



ERS

EUROPEAN RESPIRATORY SOCIETY

# INTERNATIONAL CONGRESS 2017

MILAN italy, 9–13 september

HELP SHAPE THE FUTURE OF RESPIRATORY SCIENCE AND MEDICINE

# CONGRESS GUIDE



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## WELCOME FROM THE ERS PRESIDENT GUY JOOS



Professor Guy Joos  
ERS PRESIDENT

The 27<sup>th</sup> International Congress of the European Respiratory Society will be hosted in Milan for the first time this year.

As ERS President, I am proud to welcome you to the world's largest meeting in the respiratory world.

The Chairs of the Scientific and Educational Councils, together with all our Officers, are working hard to bring you a programme that addresses the needs of all respiratory professionals, from scientists to clinicians and allied health professionals. I am confident that the 2017 programme will stimulate debate and shed new light on advances in the field.

Alongside the programme, the Congress provides the perfect opportunity for our members and other delegates to network with peers from across the world. Knowledge is deepened when it is shared and by meeting together, discussing experiences and debating varying approaches to key topics, we can work towards a better future for respiratory health.

I look forward to welcoming you to Milan for the most exciting event in the respiratory calendar.

## WELCOME FROM THE CONGRESS CHAIRS



Francesco Blasi  
CONGRESS CHAIR

We are delighted to welcome friends and colleagues to our home city of Milan for the ERS International Congress 2017.

Milan is a fitting choice for the largest respiratory meeting in the world as it has for a long time been an important scientific centre in Europe. From 1452, Leonardo Da Vinci spent over 23 years in the city. Renowned for his contributions to human anatomy, it was during Da Vinci's time in Milan that he reached new heights of scientific discovery and deepened his understanding of human anatomy.

Visitors to Milan can enjoy at first hand Leonardo's Last Supper, a highlight of the Italian Renaissance, the Sforzesco Castle, the late gothic cathedral Duomo and the Scala Opera house, which are just a few examples of the enchanting treasures of a city founded in the 4th century BC.

As an early-industrialised city in Italy, Milan became one of the so-called 'laboratory cities' during the late-19 and early-20th centuries. It was during this time that it started to develop an advanced technological and scientific sector, and began to found numerous academies and institutions.

Today, Milan and the wider Lombardy region plays host to over 800,000 enterprises divided into 16 industrial districts covering a variety of areas including fashion, electronics and robotics. Embedded within this industry is the value of research and innovation as the region invests 1.4% of its GDP in research, making it one of the most innovative regions in Europe. Academia is also at the heart of the region with 12 universities in Lombardy and 7 in Milan itself.

Covering key topics in respiratory medicine from across the spectrum of disease areas including TB, lung cancer, pneumonia, cystic fibrosis, COPD, and asthma amongst others, the Congress programme is set to deliver the best advances in both science and education.

We look forward to welcoming you to the ERS International Congress where we will continue our mission to promote lung health and drive standards in respiratory medicine.



Stefano Centanni  
CONGRESS CO-CHAIR

## PRACTICAL INFORMATION A-Z

### Abstracts on USB keys

Sponsored by *GlaxoSmithKline - GSK*



With the financial support of GSK, ERS is offering delegates access to an electronic copy of the ERS Congress abstracts via USB keys, which can be collected for free from the GSK exhibition stand (M.01, located in the exhibition hall) in exchange for a voucher found in the badge holder. The USB keys will be distributed on a “first come, first served” basis.

### ERS International Congress App (Main App Sponsor)

Sponsored by *Novartis Pharmaceuticals and Sandoz*



For the sixth time, the final programme for the ERS International Congress will be available on an interactive smartphone application, compatible with iPhone and Android devices. The app can be downloaded free of charge and will enable you to plan your Congress, search by room, time, speaker, disease group, etc., and also provides practical information such as floor plans, exhibitors' lists and maps.

Due to the large amount of data required to run the Congress App, we recommend that you download it before you come to Congress. Once downloaded, the app does not require an internet connection to run, but it includes extra features that require you to connect to WiFi, which will be available for free throughout the Congress centre. Delegates can access the app on their own devices or via the Congress Resource Areas, where iPads are available for consulting the programme.

### App - Sessions and programme page

Sponsored by *Actelion*



The programme pages of the ERS app will provide delegates with an extensive searching tool. All of the sessions from the Congress programme will be displayed and will be easy to track down.

### Business Centre

The Business Centre is located in MiCo South Level 1 – Office 14; Business Centre Services are used at the delegates' own expense.

The business centre will be open from September 9 to 12 from 8:00 to 18:00. On September 13, it will be open from 8:00 to 14:00.

### Cash dispensers

Many cash dispensers are located inside MiCo:

- Pavillon 3 – balcony – ATM machine + Bank
- MiCo South – balcony – Level 1 – ATM Machine
- MiCo North – foyer – Level 1 – ATM Machine

### Childcare

Please note that no childcare service will be provided in Milan.

### Children and members of the public

Children and members of the public are not permitted in the exhibition area or any room hosting an industry activity. Children are permitted in the registration area only but must be accompanied by an adult at all times - they may not attend scientific sessions or practical sessions. In the event that a member of public is invited to participate in the ERS Congress scientific programme, they should be accompanied by a qualified healthcare professional or ERS representative observing the ERS restrictions where appropriate.

### Cloakroom

A cloakroom service for coats and reasonably sized luggage is available during the opening hours of the Congress. The cloakroom service is at the delegates' own expense (please see the pricelist).

### Congress Resources Area and charging points

Sponsored by *CSL Behring*



Biotherapies for Life™

This year, the Congress app, abstracts and e-posters will be accessible in the Congress Resources Areas; there will be 8 designated areas located throughout the Congress centre that are available to all delegates.

The Congress Resources Areas will also provide delegates with the means to charge their Apple and Android devices for free.

### Data scanning system

Congress badges will contain a barcode, which serves as an electronic business card, to enable visitors to leave their contact details for exhibitors quickly and easily.

## Dates and opening hours

Date	Congress Centre	Registration	Speakers' preview Room	ERS Sessions	Evening Symposia	Exhibition
Saturday, 9 Sept	07:00-21:00	07:00-18:15	07:30-17:30	08:30-17:30		
Sunday, 10 Sept	06:30-19:30	06:30-17:30	07:30-17:30	07:00-16:45	17:15-19:15	08:00-17:00
Monday, 11 Sept	06:30-19:30	06:30-17:30	07:30-17:30	07:00-16:45	17:15-19:15	08:00-17:00
Tuesday, 12 Sept	06:30-19:30	06:30-17:30	07:30-17:30	07:00-16:45	17:15-19:15	08:00-17:00
Wednesday, 13 Sept	06:30-13:30*	06:30-14:00	08:00-11:00	07:00-12:45		08:00-12:00

\*No afternoon sessions/ All timings are subject to change

### Dress code

Dress code will be informal throughout the Congress. ERS reserves the right to refuse access when deemed necessary for the comfort and safety of all delegates.

### ERS Central

Sponsored by Menarini



ERS will build and service a lounge and meeting area for the Congress delegates. This area will be located in the middle of the ERS World Village. The seating area will cover a total of 450sqm and will offer delegates the possibility to work, meet up, network or simply rest with a cup of coffee. An information desk will also be available where delegates will be able to charge their electronic devices.

### Exhibition access

Access to the exhibition will be limited to participants over the age of 16 years who are respiratory professionals.

### Hotel desk

During Congress opening hours, from Saturday 9 September to Wednesday 13 September, a hotel desk will be available in the ERS Registration Area, located in Hall 4.

### Insurance and disclaimer

ERS accepts no liability for injuries and/or losses of whatever nature incurred by participants and/or accompanying persons, nor for loss or damage to their luggage and/or personal belongings. Please check the validity of your own insurance.

### Language

The official language of the Congress is English and no translation will be provided. *Information regarding dedicated language sessions can be found on the Congress website.*

### Lost and found

The lost and found will be located in the Business Centre, please see above for more information.

### Lunch and refreshments

No official meals will be provided. Meal facilities at the Congress centre include cafeterias and restaurants. A number of bars and coffee/snack points serve sandwiches and snacks.

### Mobile phone policy

Please respect your fellow colleagues and friends by switching off your mobile phone in all meeting and poster rooms.

### Parking

Delegate roof car parking is available at a cost of €15.00 per day (flat rate). Parking is only available during the opening hours of the Congress. Overnight parking is forbidden.

### Programme-at-a-glance

Sponsored by Boehringer Ingelheim



The educational, scientific and industry programme of the Congress will highlight state-of-the-art clinical practice, recent advances, new data and views from different stakeholders and international organisations, all of which can be found in the programme-at-a-glance, conveniently placed in every badge holder.

### Security

Please pay special attention to your personal belongings, especially when walking around the city centre and on public transport. Any security problems or concerns within the Congress centre should be reported to a uniformed member of staff. MiCo Fire Marshall will handle any emergency situation and all delegates will be asked to follow the instructions announced on the loudspeaker. Emergency exits are marked with exit signs.

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### Smoking

MiCo is a smoke free venue, the smoking ban applies to all buildings, including the catering locations and loading areas. As smoking is a major cause of lung disease, ERS asks Congress participants and exhibitors not to smoke in MiCo or any area within 100 metres of the building.

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### Special accessibility needs

Depending on availability, MiCo can provide wheelchairs or mobility scooters as aid of internal mobility. Please follow this link:

<http://www.mobilitycenter.it/milano-congressi/>

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### Taxis

Taxis will be available outside the entrance of MiCo during Congress opening hours. When in Milan, please note that you can ask any restaurant or hotel to call a taxi for you; they should give you a receipt of confirmation and the taxi name to ensure you get the correct one.

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### Tourist information

The Milan City Desk, located in the Registration Area (Hall 4), will be available to provide further information about the city and your visit. For additional tourist information, please write to the following address:  
[ers2017.dmc@micodmc.it](mailto:ers2017.dmc@micodmc.it)

No Room	Session 3	09:45 - 10:30
Public: Opening of the HLfL event in Milan - intersection of Via Beltrami - Piazza Castello		
No Room	Session 2	10:00 - 18:00
Public: Healthy Lungs for Life - public lung function testing(location: Piazza Luca Beltrami)		



## Green 2 (North) Session 19 09:30 - 17:30

Registration for this session is additional to the congress registration fee and is €122.

### Professional development workshop: PDW1 Spirometry training programme: Become a programme organiser

**Aims :** To provide participants with the knowledge and tools to teach high quality spirometry, specifically to those participants who would like to train and certify participants for the European Spirometry Driving Licence Parts 1 and 2 within Europe.

**Tag(s) :** Clinical

**Chairs :** Brendan Cooper (Edgbaston, Birmingham, United Kingdom), Felip Burgos Rincon (Barcelona, Spain)

	<b>ONLINE MATERIALS Principles of teaching and learning &amp; Principles of assessment</b> Tiuri van Rossum (Maastricht, Netherlands)	<b>110</b>
<b>09:30</b>	<b>Welcome</b> Speaker to be confirmed	
<b>10:00</b>	<b>Overview of the European Spirometry Driving License training programme</b> Brendan Cooper (Edgbaston, Birmingham, United Kingdom)	<b>111</b>
<b>10:20</b>	<b>Presentation and facilitation skills</b> Vera Habes (Utrecht, Netherlands), Odile Van Eck (Waalre, Netherlands)	<b>112</b>
<b>11:00</b>	<b>Break</b>	<b>113</b>
<b>11:20</b>	<b>Presentation by participants</b> Speaker to be confirmed	
<b>11:45</b>	<b>Providing effective feedback</b> Tiuri van Rossum (Maastricht, Netherlands)	<b>114</b>
<b>12:45</b>	<b>Discussion and feedback regarding the practical session</b> Speaker to be confirmed	
<b>13:00</b>	<b>Lunch</b>	<b>115</b>
<b>13:30</b>	<b>Organising a European spirometry training programme</b> Brendan Cooper (Edgbaston, Birmingham, United Kingdom), Felip Burgos Rincon (Barcelona, Spain), Julie Lloyd (Birmingham, United Kingdom)	<b>116</b>
<b>14:00</b>	<b>Delivery of Part 1. Teaching and learning &amp; Assessment</b> Felip Burgos Rincon (Barcelona, Spain), Brendan Cooper (Edgbaston, Birmingham, United Kingdom), Julie Lloyd (Birmingham, United Kingdom), Jellien Makonga-Braaksma (Woudenberg, Netherlands)	<b>117</b>
<b>15:00</b>	<b>Break</b>	<b>118</b>
<b>15:30</b>	<b>Workbooks - All faculty</b>	<b>120</b>
<b>16:00</b>	<b>Delivery of Part 2. Teaching and learning &amp; Assessment</b> Brendan Cooper (Edgbaston, Birmingham, United Kingdom), Felip Burgos Rincon (Barcelona, Spain), Julie Lloyd (Birmingham, United Kingdom), Jellien Makonga-Braaksma (Woudenberg, Netherlands)	<b>119</b>
<b>17:00</b>	<b>Question and answer session - all faculty members</b>	

## Amber 7 + 8 (South) Session 15 09:30 - 17:30

Registration for this session is additional to the congress registration fee and is €268 on site, €244 standard

### Postgraduate Course: PG1 Re-defining the role of chest physicians in lung cancer: new opportunities in diagnostics and therapy

**Aims :** Access educational materials here

To highlight the most recent advances in diagnostics and therapy which every chest physician should be aware of when piloting and tailoring personalised care for lung cancer patients in a multi-professional setting; to provide an overview of the rapidly evolving lung cancer care with the goal of chronifying a so far almost devastating disease.

**Track(s) :** Lung cancer**Tag(s) :** Clinical**Target audience :** Allied health professional, Clinician, Emergency medicine doctor, Fellow, General practitioner, Immunologist, Intensivist/critical care physician, Junior member, Lung function technician, Nurse, Oncologist, Pathologist, Patient, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, Thoracic endoscopist, Thoracic surgeon, Trainee, Pharmaceutical industry representative**Chairs :** Matthew Evison (Manchester, United Kingdom), Joanna Chorostowska-Wynimko (Warszawa, Poland), Klimentini Bostantzoglou (Athens, Greece), Otto Chris Burghuber (Vienna, Austria)

09:30	<b>Can lung cancer become a chronic disease? An update in lung cancer biology</b> Sam Janes (London, United Kingdom)	74
10:00	<b>The chest physician as the lung cancer patient's guide: defining the role of the modern day chest physician throughout the lung cancer continuum</b> Torsten Gerriet Blum (Berlin, Germany)	75
10:30	<b>Group assignment</b>	76
11:00	<b>Break</b>	77
11:30	<b>Non-invasive diagnostics: modern measures for screening and diagnosis</b> David Baldwin (Nottingham, United Kingdom)	78
12:00	<b>Invasive diagnostics and endoscopic interventions: the chest physician's arsenal</b> Ales Rozman (Golnik, Slovenia)	79
12:30	<b>Group assignment</b>	80
13:00	<b>Lunch</b>	81
14:00	<b>From staging to therapy: implications of the new staging system with a focus on multi-modal treatment options</b> Jan van Meerbeeck (Edegem (Antwerp), Belgium)	82
14:30	<b>Fitness for radical treatment modalities: efficient functional assessment, improving fitness and fitness-adapted therapy concepts including the elderly</b> Matthew Evison (Manchester, United Kingdom)	83
15:00	<b>Group assignment</b>	84
15:30	<b>Break</b>	85
16:00	<b>Pathology meets clinic: translating lung cancer pathology into personalised care</b> Françoise Galateau-Salle (Caen, France)	86
16:30	<b>Systemic therapies: optimising the sequences of chemotherapies, targeted therapies and immunotherapies</b> Thierry Berghmans (Bruxelles, Belgium)	87
17:00	<b>Group assignment</b>	88

**Turquoise 1 (North)****Session 18****09:30 - 13:00***Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.***Postgraduate Course: PG2 Multidrug-resistant tuberculosis management in settings with a low tuberculosis incidence****Clinical guidance on MDR-TB****Aims :** To bridge the knowledge gap on MDR-TB existing in high income countries frequently causing misdiagnosis and inaccurate treatment and therefore increasing the possibility of MDR-TB transmission; to describe the most advanced diagnostic and therapeutic tools that are currently available in countries with a low TB incidence, including molecular techniques and new anti-TB drugs.**Track(s) :** Respiratory infections**Tag(s) :** Clinical**Target audience :** Clinician, Junior member, Microbiologist, Public health official, Pulmonologist, Respiratory physician, Scientist, TB specialist**Chairs :** Onn Min Kon (London, United Kingdom)

<b>09:30</b>	<b>Epidemiology of MDR-TB in high income countries</b> Dennis Falzon (Geneva, Switzerland)	<b>103</b>
<b>10:00</b>	<b>Basic elements of MDR-TB diagnosis</b> Alberto Matteelli (Geneva, Switzerland)	<b>104</b>
<b>10:30</b>	<b>Group assignment</b>	<b>105</b>
<b>11:00</b>	<b>Break</b>	<b>106</b>
<b>11:30</b>	<b>New and repurposed drugs for MDR-TB patients</b> Payam Nahid (San Francisco, United States of America)	<b>107</b>
<b>12:00</b>	<b>Management of contact of patients with MDR-TB</b> Rob van Hest (Groningen, Netherlands)	<b>108</b>
<b>12:30</b>	<b>Group assignment</b>	<b>109</b>

## Brown 1 + 2 (South) Session 12 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.

### Postgraduate Course: PG3 Bronchiectasis

**Aims :** Access educational materials here

To provide up-to-date information about the daily management of non-cystic fibrosis patients with bronchiectasis during the stable state.

**Track(s) :** **Chronic airway diseases** **Respiratory infections**

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Clinician, Emergency medicine doctor, Fellow, General practitioner, Immunologist, Junior member, Microbiologist, Nurse, Pathologist, Patient, Pharmaceutical industry representative, Physiotherapist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, Thoracic surgeon, Trainee

**Chairs :** Stefano Aliberti (Milan, Italy), Anne O'Donnell (Washington, United States of America)

<b>09:30</b>	<b>Immunodeficits in bronchiectasis</b> Tom Fardon (Dundee, United Kingdom)	<b>54</b>
<b>10:00</b>	<b>Long-term antibiotic therapy</b> Anne O'Donnell (Washington, United States of America)	<b>55</b>
<b>10:30</b>	<b>Anti-inflammatory treatment</b> Conroy Wong (Auckland, New Zealand)	<b>56</b>
<b>11:00</b>	<b>Break</b>	<b>57</b>
<b>11:30</b>	<b>Physiotherapy and pulmonary rehabilitation</b> Jordi Vilaro Casamitjana (Barcelona, Spain)	<b>58</b>
<b>12:00</b>	<b>Group assignment</b>	<b>59</b>

## Space 3 + 4 (South) Session 10 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.

### Postgraduate Course: PG4 Noninvasive ventilation in respiratory failure

**Aims :** Access educational materials here

To review the physiological rationale for providing noninvasive support in patients with hypercapnia and hypoxemic failure; to present a state-of-the-art overview of the usefulness of NIV in specific patient categories (including COPD, weaning from invasive ventilation, and congestive heart failure); to discuss the limitations of noninvasive ventilation; to discuss new developments in noninvasive ventilator support.

**Track(s) :** **Acute and chronic respiratory failure/sleep** **Exercise, rehabilitation and physiology**

**Tag(s) :** Clinical

**Target audience :** Anaesthesiologist, Clinician, Emergency medicine doctor, Fellow, Intensivist/critical care physician, Junior member, Nurse, Pharmaceutical industry representative, Physiologist, Physiotherapist, Pulmonologist, Resident, Respiratory physician, Respiratory therapist, Trainee

**Chairs :** Mark W. Elliott (Leeds, United Kingdom), Lara Pisani (Bologna, Italy)

<b>09:30</b>	<b>Using physiology to set the ventilator during NIV</b> Leo M.A. Heunks (Amsterdam, Netherlands)	<b>40</b>
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10:00	<b>NIV in hypercapnic failure</b> Michael Dreher (Aachen, Germany)	41
10:30	<b>Group assignment</b>	42
11:00	<b>Break</b>	43
11:30	<b>NIV in hypoxemic failure and difficult weaning</b> Elise Morawiec (Paris, France)	44
12:00	<b>Role of ventilator mode and interface in optimising patient-ventilator interactions under NIV</b> Paolo Navalesi (Milan, Italy)	45
12:30	<b>Group assignment</b>	46

## Amber 5 + 6 (South) Session 14 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.

### Postgraduate Course: PG5 Pleural disease management

**Aims :** Access educational materials here

To provide an up-to-date and comprehensive overview of the best published evidence for the management of a range of pleural problems; to discuss difficult presentations of common pleural problems and to understand which investigations and treatment strategies are appropriate.

**Track(s) :** Respiratory infections Lung cancer

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Clinician, Emergency medicine doctor, Fellow, General practitioner, Immunologist, Intensivist/critical care physician, Lung function technician, Nurse, Oncologist, Pathologist, Patient, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, Thoracic endoscopist, Thoracic surgeon, Trainee

**Chairs :** Philippe Astoul (Marseille, France), Rahul Bhatnagar (Bristol, United Kingdom)

09:30	<b>Pleural infection</b> Najib M. Rahman (Oxford, United Kingdom)	67
10:00	<b>Malignant pleural effusions: diagnosis and management</b> Julius P. Janssen (Nijmegen, Netherlands)	68
10:30	<b>Group assignment</b>	69
11:00	<b>Break</b>	70
11:30	<b>Modern management of pneumothorax</b> Nick Maskell (Bristol, United Kingdom)	71
12:00	<b>Difficult pleural effusion management (e.g., chylothorax, trapped lung and rheumatoid effusions)</b> Gary Yc Lee (Perth, WA, Australia)	72
12:30	<b>Group assignment</b>	73

## Beige (South) Session 7 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.

### Postgraduate Course: PG6 Assessing and monitoring airway inflammation in asthma and chronic obstructive pulmonary disease

**Aims :** Access educational materials here

To provide an update on the methodologies that are used to evaluate airway inflammation in both asthma and COPD; to discuss direct and indirect ways of evaluating airway inflammation; to compare new and old biomarkers to clarify their clinical and research usefulness.

**Track(s) :** Chronic airway diseases

**Tag(s) :** Clinical

**Target audience :** Allergologist, Clinician, Fellow, General practitioner, Immunologist, Junior member, Lung function technician, Pulmonologist, Researcher, Respiratory physician, Scientist, Student

**Chairs :** Christopher E. Brightling (Leicester, United Kingdom), Stylianos Loukides (Voula, Greece)

09:30	<b>Overview and history of different ways of assessing and monitoring inflammatory airway diseases</b> Peter J. Barnes (London, United Kingdom)	23
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<b>10:00</b>	<b>Blood biomarkers in asthma and COPD</b> Ian Douglas Pavord (Oxford, United Kingdom)	<b>24</b>
<b>10:30</b>	<b>Group assignment</b>	<b>25</b>
<b>11:00</b>	<b>Break</b>	<b>26</b>
<b>11:30</b>	<b>Applications of induced sputum</b> Antonio Spanevello (Milan, Italy)	<b>27</b>
<b>12:00</b>	<b>Measurement of exhaled gases in chronic airway diseases</b> Ildikó Horváth (Budakeszi, Hungary)	<b>28</b>
<b>12:30</b>	<b>Group assignment</b>	<b>29</b>

## Space 1 + 2 (South) Session 9 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.

### Postgraduate Course: PG7 Paediatric asthma

**Aims :** Access educational materials here

To provide a thorough overview of (1) the pathogenesis of asthma in children (a basic presentation), (2) the diagnosis of asthma (clinical and translational), (3) preschool wheezing (clinical), and (4) severe asthma (clinical and future perspectives).

**Track(s) :** Chronic airway diseases

**Tag(s) :** Paediatric

**Target audience :** Allergologist, Clinician, Fellow, General practitioner, Junior member, Lung function technician, Nurse, Paediatrician, Pulmonologist, Researcher, Respiratory physician, Student, Trainee, Emergency medicine doctor

**Chairs :** Erol Gaillard (Leicester, United Kingdom), Angela Zacharasiewicz (Vienna, Austria)

<b>09:30</b>	<b>Pathogenesis of asthma in children</b> Daniel Jackson (Madison, United States of America)	<b>34</b>
<b>10:00</b>	<b>Diagnosis of asthma in children</b> Marielle W.H. Pijnenburg (Rotterdam, Netherlands)	<b>35</b>
<b>10:30</b>	<b>Preschool wheezing: what is new?</b> Angela Zacharasiewicz (Vienna, Austria)	<b>36</b>
<b>11:00</b>	<b>Break</b>	<b>37</b>
<b>11:30</b>	<b>New treatments in severe paediatric asthma</b> Jonathan Grigg (London, United Kingdom)	<b>38</b>
<b>12:00</b>	<b>Group assignment</b>	<b>39</b>

## Blue 1 (North) Session 16 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.

### Postgraduate Course: PG8 High-resolution computed tomography for pulmonologists: basics and beyond

**Aims :** Access educational materials here

To provide a detailed review of the various patterns that are seen on high-resolution CT chest imaging; to review the sizing, appearance, and distribution of lung opacities in relation to the various differential diagnoses in the clinical setting; to provide guidelines for basic differential diagnosis on the basis of clinical history, the distribution of various patterns, and the presence of associated abnormalities.

**Tag(s) :** Clinical

**Target audience :** Clinician, Fellow, Junior member, Pathologist, Pulmonologist, Radiologist, Resident, Respiratory physician

**Chairs :** Aleksandar Grgic (Homburg, Germany), Laura Fregonese (London, United Kingdom)

<b>09:30</b>	<b>HRCT of nodular disease</b> Johan Coolen (Leuven, Belgium)	<b>89</b>
<b>10:00</b>	<b>HRCT of cystic lung diseases</b> Aleksandar Grgic (Homburg, Germany)	<b>90</b>
<b>10:30</b>	<b>Group assignment</b>	<b>91</b>

11:00	<b>Break</b>	92
11:30	<b>HRCT of idiopathic interstitial pneumonias, including linear and reticular opacities</b> Simon Walsh (London, United Kingdom)	93
12:00	<b>HRCT of drug-induced lung diseases</b> Sara Piciocchi (Forlì, Italy)	94
12:30	<b>Group assignment</b>	95

## Pink (South) Session 11 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.

### Postgraduate Course: PG9 Interventional pulmonology

**Aims :** Access educational materials here

To describe the major indications and therapeutic modalities in interventional pulmonology and to discuss its possibilities and limitations.

**Tag(s) :** Clinical

**Target audience :** Clinician, Fellow, Junior member, Pathologist, Pulmonologist, Respiratory physician, Student, Trainee

**Chairs :** Stefano Gasparini (Ancona, Italy), Nicolas Kahn (Heidelberg, Germany)

09:30	<b>Endobronchial ultrasound</b> Jouke T. Annema (Amsterdam, Netherlands)	47
10:00	<b>Endoscopic lung volume reduction</b> Daniela Gompelmann (Heidelberg, Germany)	48
10:30	<b>Group assignment</b>	49
11:00	<b>Break</b>	50
11:30	<b>Cryobiopsy</b> Venerino Poletti (Forlì, Italy)	51
12:00	<b>Central airway obstruction</b> Pallav L. Shah (London, United Kingdom)	52
12:30	<b>Group assignment</b>	53

## Blue 2 (North) Session 17 09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.

### Postgraduate Course: PG10 Dysfunction of the diaphragm

**Aims :** Access educational materials here

To stress the importance of diaphragmatic dysfunction by describing its main causes and natural history; to provide new knowledge on assessing diaphragmatic dysfunction, with particular emphasis on ultrasound techniques; to discuss new insights on the diaphragm dysfunction that arises from mechanical ventilation; to describe how to treat diaphragm dysfunction.

**Track(s) :** Exercise, rehabilitation and physiology

**Tag(s) :** Clinical

**Target audience :** Allergologist, Clinician, Engineer, General practitioner, Lung function technician, Paediatrician, Physiologist, Physiotherapist, Pulmonologist, Researcher, Respiratory physician, Respiratory therapist, Scientist

**Chairs :** Paolo Palange (Rome, Italy), J. Alberto Neder (Kingston, ON, Canada)

09:30	<b>Diaphragmatic dysfunction: causes and natural history</b> Michael Polkey (London, United Kingdom)	96
10:00	<b>Evaluation of diaphragm dysfunction by ultrasound imaging</b> Andrea Aliverti (Milan, Italy)	97
10:30	<b>Group assignment</b>	98
11:00	<b>Break</b>	99
11:30	<b>Ventilator-induced dysfunction of the diaphragm</b> Alexandre Demoule (Paris, France)	100

<b>12:00</b>	<b>New treatment approaches to diaphragmatic dysfunction in COPD</b> Esther Barreiro Portela (Barcelona, Spain)	<b>101</b>
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<b>12:30</b>	<b>Group assignment</b>	<b>102</b>
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<b>Amber 3 + 4 (South)</b>	<b>Session 13</b>	<b>09:30 - 13:00</b>
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*Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.*

### Postgraduate Course: PG11 Acute interstitial lung diseases (ILD)

#### ILD in intensive care units

**Aims :** Access educational materials here

To describe the pathobiological basis, imaging features, diagnostic work-up, and ventilatory and non-ventilatory therapeutic strategies for acute ILDs.

**Track(s) :** Acute and chronic respiratory failure/sleep

**Tag(s) :** Clinical

**Target audience :** Clinician, Emergency medicine doctor, Intensivist/critical care physician, Pathologist, Pulmonologist, Radiologist, Respiratory physician, Scientist

**Chairs :** António Manuel Martins Morais (Maia, Portugal), Raffaele Scala (Arezzo, Italy)

<b>09:30</b>	<b>Acute lung injury and ILDs: biological and pathological bases</b> Alessandra Dubini (Forlì, Italy)	<b>60</b>
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<b>10:00</b>	<b>Imaging features of ILDs that present with rapidly progressive respiratory failure</b> Gilbert R Ferretti (Grenoble, France)	<b>61</b>
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<b>10:30</b>	<b>Group assignment</b>	<b>62</b>
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<b>11:00</b>	<b>Break</b>	<b>63</b>
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<b>11:30</b>	<b>Diagnostic work-up in patients with acute ILDs</b> Sissel Kronborg-White (Lystrup, Denmark)	<b>64</b>
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<b>12:00</b>	<b>Mechanical ventilation and beyond</b> Philipp Lepper (Homburg/Saar, Germany)	<b>65</b>
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<b>12:30</b>	<b>Group assignment</b>	<b>66</b>
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<b>Brown 1 + 2 (South)</b>	<b>Session 33</b>	<b>14:00 - 17:30</b>
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*Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.*

### Postgraduate Course: PG12 Life-threatening pulmonary infections

**Aims :** To discuss host susceptibility to severe lung infections, the usefulness of biomarkers for the clinical management of pneumonia, the role of NIV in supporting patients with severe pneumonia, and the measures that can prevent ventilator-associated pneumonia.

**Track(s) :** Acute and chronic respiratory failure/sleep Respiratory infections

**Tag(s) :** Clinical

**Target audience :** Clinician, Emergency medicine doctor, Intensivist/critical care physician, Microbiologist, Pulmonologist, Radiologist, Respiratory physician, Thoracic endoscopist

**Chairs :** Menno M. van der Eerden (Rotterdam, Netherlands)

<b>14:00</b>	<b>Host susceptibility to severe pneumonia</b> Martin Witzernath (Berlin, Germany)	<b>172</b>
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<b>14:30</b>	<b>Biomarkers for clinical management</b> Marcus Schultz (Amsterdam, Netherlands)	<b>173</b>
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<b>15:00</b>	<b>Group assignment</b>	<b>174</b>
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<b>15:30</b>	<b>Break</b>	<b>175</b>
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<b>16:00</b>	<b>Noninvasive ventilation in severe pneumonia</b> Stefano Nava (Bologna, Italy)	<b>176</b>
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16:30	<b>Preventing ventilator-associated pneumonia</b> Gianluigi Li Bassi (Barcelona, Spain)	177
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17:00	<b>Group assignment</b>	178
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Space 3 + 4 (South)	Session 31	14:00 - 17:30
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*Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.*

### Postgraduate Course: PG13 Sleep-disordered breathing: diagnosis and therapy

**Aims :** To make aware of the different clinical entities related to sleep-disordered breathing and the tools that can be used for its screening and diagnosis; to provide insights into the consequences of sleep-disordered breathing and the treatment modalities.

**Track(s) :** Acute and chronic respiratory failure/sleep

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Fellow, General practitioner, Junior member, Lung function technician, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Sleep specialist/technologist, Trainee

**Chairs :** Winfried J. Randerath (Solingen, Germany), Dries Testelmans (Leuven, Belgium)

14:00	<b>Diagnosis and treatment of sleep-disordered breathing: the patient's point of view</b> Piet-Heijn van Mechelen (Heemstede, Netherlands)	158
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14:30	<b>Diagnosis of sleep-related breathing disorders: questionnaires, screening, and sleep studies</b> Johan Verbraecken (Edegem (Antwerp), Belgium)	159
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15:00	<b>Group assignment</b>	160
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15:30	<b>Break</b>	161
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16:00	<b>Sleep apnoea and hypoventilation syndromes: pathophysiological consequences</b> Stefan Andreas (Immenhausen, Germany)	162
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16:30	<b>Sleep apnoea and hypoventilation syndromes: management and therapies</b> Jean-Louis Pépin (Grenoble, France)	163
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17:00	<b>Group assignment</b>	164
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Turquoise 1 (North)	Session 38	14:00 - 17:30
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*Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.*

### Postgraduate Course: PG14 Smoking cessation in patients with respiratory diseases

**Aims :** This course will: (1) provide respiratory professionals with smoking cessation knowledge and tools to apply in their everyday practice, (2) provide an update on smoking cessation guidelines; (3) raise awareness of the positive impact of smoking cessation measures in the treatment of lung diseases; and (4) explain the specific factors to take into account when treating specific groups of patients.

**Track(s) :** Chronic airway diseases

**Tag(s) :** Clinical, Smoking prevention and cessation (HLfL)

**Target audience :** Allergologist, Allied health professional, Cardiologist, Clinician, Educationalist, Epidemiologist, Fellow, General practitioner, Junior member, Nurse, Occupational therapist, Oncologist, Patient, Physiotherapist, Psychologist, Public health official, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Student, Trainee

**Chairs :** Sofia Belo Ravara (Covilhã, Portugal), Philip Tønnesen (Glostrup, Denmark)

14:00	<b>Behavioural counselling for smoking cessation in respiratory patients and other interventions to reduce harm</b> Dimos Fotopoulos (Athens, Greece)	207
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14:30	<b>Smoking cessation in COPD patients (with comorbidities)</b> Carlos Andres Jimenez Ruiz (Madrid, Spain)	208
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15:00	<b>Group assignment</b>	209
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15:30	<b>Break</b>	210
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16:00	<b>Smoking cessation in lung cancer patients</b> Keir E. Lewis (Llanelli, United Kingdom)	211
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16:30	<b>Smoking cessation in asthma patients</b> Paraskevi Katsaounou (Athens, Greece), David Candlish (Nantwich, United Kingdom)	212
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17:00 Group assignment

213

## Beige (South)

## Session 29

14:00 - 17:30

*Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.*

## Postgraduate Course: PG15 Asthma stratification

**Aims :** To present the innovations in asthma stratification that facilitate personalised therapeutic strategies. The specific aims are to highlight the importance of stratifying asthma patients for correct therapeutic approaches, explain the importance of both clinical and biomarker assessment in patient stratification, indicate the value of molecular stratification for understanding disease-driving mechanisms and how this may translate to new therapies particularly for non-T2 asthma.

**Track(s) :** Chronic airway diseases**Tag(s) :** Basic translational science

**Target audience :** Allergologist, Clinician, Fellow, General practitioner, Immunologist, Junior member, Lung function technician, Occupational therapist, Pathologist, Pharmaceutical industry representative, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Student, Trainee

**Chairs :** Kian Fan Chung (London, United Kingdom), Fabio L. M. Ricciardolo (Orbassano (To), Italy)

14:00 The need for asthma phenotyping

Louise Fleming (London, United Kingdom)

144

14:30 Biomarker-high patients, compliance, and steroid responsiveness

Liam Heaney (Belfast, United Kingdom)

145

15:00 Group assignment

146

15:30 Break

147

16:00 Unbiased approaches to asthma stratification: the road to novel therapies

Peter J. Sterk (Amsterdam, Netherlands)

148

16:30 Patient stratification and targeted drug therapy: T2 asthma and beyond

Gary P. Anderson (Parkville, VIC, Australia)

149

17:00 Group assignment

150

## Amber 3 + 4 (South)

## Session 34

14:00 - 17:30

*Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.*

## Postgraduate Course: PG16 Transition of children and adolescents into adult care

**Aims :** To discuss the barriers that hamper the transition of children and adolescents into adult healthcare in respiratory diseases, including asthma, primary ciliary dyskinesia, neuromuscular diseases, and cystic fibrosis; to identify the gaps that still exist in our knowledge; to review practical approaches, including the models and principles of transition; to investigate transition outcomes.

**Track(s) :** Chronic airway diseases Respiratory infections**Tag(s) :** Clinical, Paediatric

**Target audience :** Clinician, Fellow, General practitioner, Junior member, Microbiologist, Nurse, Paediatrician, Patient, Physiotherapist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Student, Trainee, Epidemiologist

**Chairs :** Fabio Midulla (Roma, Italy), Harry G.M. Heijerman (Den Haag, Netherlands)

14:00 Early origins of chronic respiratory diseases and transition into adult care

Eugenio Baraldi (Padova, Italy)

179

14:30 Transition in cystic fibrosis

Harry G.M. Heijerman (Den Haag, Netherlands)

180

15:00 Group assignment

181

15:30 Break

182

16:00 Transition in primary ciliary dyskinesia

Kirsten Boisen (Copenhagen, Denmark)

183

16:30 Transition in neuromuscular diseases

Brigitte Fauroux (Paris, France)

184

17:00 Group assignment

185

## Blue 2 (North)

## Session 37

14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €49 on site, €43 standard.

### Postgraduate Course: PG17 Infectious disease challenges in community-acquired pneumonia and tuberculosis: improving your clinical practice

**Aims :** To provide the clinical multidisciplinary team with the latest evidence-based advice on diagnosing and managing community-acquired pneumonia and pulmonary tuberculosis; to describe the current developments in influenza, surveillance, vaccination and dissemination to target groups.

This is a joint ERS/PREPARE/ECDC course funded by the European Union's 7th Framework Programme.

**Track(s) :** Respiratory infections

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Clinician, General practitioner, Microbiologist, Public health official, Respiratory physician, TB specialist, Trainee

**Chairs :** Anita Simonds (London, United Kingdom), Tobias Welte (Hannover, Germany)

14:00	<b>Update on therapeutic strategies in community-acquired pneumonia</b> Gernot G.U. Rohde (Frankfurt am Main, Germany)	200
14:30	<b>Multidrug-resistant bacteria in community-acquired pneumonia</b> Stefano Aliberti (Milan, Italy)	201
15:00	<b>Group assignment</b>	202
15:30	<b>Break</b>	203
16:00	<b>Influenza surveillance and vaccination: new developments</b> Rene Snacken (Solna, Sweden)	204
16:30	<b>Key considerations in the diagnosis and management of pulmonary tuberculosis</b> Giovanni Sotgiu (Porto Torres, Italy)	205
17:00	<b>Group assignment</b>	206

## Space 1 + 2 (South)

## Session 30

14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.

### Postgraduate Course: PG18 Targeting the locomotor and respiratory muscles in chronic obstructive pulmonary disease: novel interventional tools and rehabilitation strategies Innovation in pulmonary rehabilitation

**Aims :** To update on the benefits of exercise training and other multimodal therapeutic strategies that aim to combat skeletal muscle wasting in COPD patients; to instruct on the currently available non-pharmacological therapeutic strategies that optimise the benefits of lower limb and respiratory muscle training and nutritional support when they are selectively applied to COPD patients with specific phenotypes; to learn about new advances in the diagnosis of COPD locomotor and respiratory muscle dysfunction; to familiarise participants with novel devices available that are used to mitigate dynamic lung hyperinflation and dyspnoea sensations during rehabilitation exercise training.

**Track(s) :** Exercise, rehabilitation and physiology

**Tag(s) :** Basic translational science

**Target audience :** Allied health professional, Clinician, Educationalist, Engineer, Fellow, General practitioner, Junior member, Lung function technician, Nurse, Patient, Physiologist, Physiotherapist, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, Trainee

**Chairs :** Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Esther Barreiro Portela (Barcelona, Spain)

14:00	<b>Muscular and functional effects of partitioning exercising muscle mass in COPD</b> Andre Nyberg (Umeå, Sweden)	151
14:30	<b>The relevance of respiratory muscle dysfunction and novel treatment options in COPD</b> Daniel Langer (Leuven, Belgium)	152
15:00	<b>Group assignment</b>	153
15:30	<b>Break</b>	154
16:00	<b>Targeted pulmonary rehabilitation and nutritional support in patients with COPD: do phenotypic differences matter?</b> Frits M.E. Franssen (Horn, Netherlands)	155

<b>16:30</b>	<b>Novel diagnostic tools and interventions for COPD locomotor and respiratory muscle dysfunction</b> Ioannis Vogiatzis (Athens, Greece)	<b>156</b>
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<b>17:00</b>	<b>Group assignment</b>	<b>157</b>
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### Amber 5 + 6 (South) Session 35 14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.

#### Postgraduate Course: PG20 Lung transplantation

**Aims :** Joint ERS-ESOT course to highlight the current practice guidelines and management recommendations in lung transplantation in terms of patient referral and selection, bridging the time on the waiting list before transplantation, peri-operative management and anaesthesia, post-operative ICU management, and early and late post-transplantation care.

**Track(s) :** **Interstitial lung disease and vascular disease** **Acute and chronic respiratory failure/sleep**

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Anaesthesiologist, Clinician, Fellow, General practitioner, Immunologist, Intensivist/critical care physician, Junior member, Lung function technician, Microbiologist, Nurse, Paediatrician, Pathologist, Physiotherapist, Psychologist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Sleep specialist/technologist, Social worker, Student, Thoracic surgeon, Trainee

**Chairs :** Christian Benden (Zürich, Switzerland), Federica Meloni (Pavia, Italy)

<b>14:00</b>	<b>Patient referral and selection</b> Are Martin Holm (Oslo, Norway)	<b>186</b>
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<b>14:30</b>	<b>Bridging the time on the waiting list and ICU care before lung transplantation</b> Clemens Aigner (Essen, Germany)	<b>187</b>
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<b>15:00</b>	<b>Group assignment</b>	<b>188</b>
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<b>15:30</b>	<b>Break</b>	<b>189</b>
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<b>16:00</b>	<b>Peri-operative management and anaesthesia</b> Arne Neyrinck (Leuven, Belgium)	<b>190</b>
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<b>16:30</b>	<b>Early and late post-transplantation care</b> Claus Neurohr (Munich, Germany)	<b>191</b>
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<b>17:00</b>	<b>Group assignment</b>	<b>192</b>
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### Pink (South) Session 32 14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €171 on site, €153 standard.

#### Postgraduate Course: PG21 Self-management in chronic respiratory diseases

**Aims :** To provide an overview of the evidence for and the applicability of self-management interventions in patients with respiratory diseases, particularly those with asthma and COPD; to discuss different self-management intervention components, with particular focus on behavioural change techniques, tele-health devices and advance care planning.

**Track(s) :** **Chronic airway diseases**

**Tag(s) :** Clinical

**Target audience :** Allied health professional, General practitioner, Junior member, Nurse, Occupational therapist, Patient, Physiotherapist, Psychologist, Pulmonologist, Researcher, Respiratory physician, Respiratory therapist

**Chairs :** Job van der Palen (Enschede, Netherlands), Jean Bourbeau (Montreal, Canada)

<b>14:00</b>	<b>Self-management in COPD patients</b> Tanja Effing-Tijdhof (Adelaide, SA, Australia)	<b>165</b>
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<b>14:30</b>	<b>Self-management in asthma patients</b> Hilary Pinnock (Edinburgh, United Kingdom)	<b>166</b>
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<b>15:00</b>	<b>Behavioural change techniques</b> Paul Cafarella (Adelaide, Australia)	<b>167</b>
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<b>15:30</b>	<b>Break</b>	<b>168</b>
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<b>15:45</b>	<b>Group assignment</b>	<b>169</b>
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<b>16:45</b>	<b>Implementation of self-management interventions</b> Hilary Pinnock (Edinburgh, United Kingdom)	<b>170</b>
<b>17:00</b>	<b>Advance care planning</b> Carlo Barbetta (Ferrara, Italy)	<b>171</b>

<b>Red (North)</b>	<b>Session 5</b>	<b>08:30 - 10:40</b>
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**Session: Chinese Programme 2017****A joint ERS/CTS session (part I)**

**Aims :** The session will present and discuss the new advances in respiratory medicine presented by experienced speakers from the ERS leadership and Chinese leaders in respiratory medicine. The session will offer an overview on respiratory airway disorders, lung cancer, COPD, noninvasive ventilation and the possibility to discuss similarities and differences in Europe and China. Note that the presentations will be conducted in English with dual projection of slides in Chinese and English.

**Chairs :** Carlos Manuel Da Silva Robalo Cordeiro (Coimbra, Portugal), Nanshan Zhong (Guangzhou, China)

<b>08:30</b>	<b>Recent advance in long term maintenance management strategy of COPD</b> Nanshan Zhong (Guangzhou, China)	<b>1</b>
<b>08:55</b>	<b>Reflex testing is crucial for treatment decisions in advanced non small cell lung cancer (NSCLC)</b> Otto Chris Burghuber (Vienna, Austria)	<b>2</b>
<b>09:20</b>	<b>Burden and current management status of chronic respiratory airway disorders in China</b> Chen Wang (Beijing, China)	<b>3</b>
<b>09:45</b>	<b>Application and investigation of noninvasive ventilation in China</b> Rong-Chang Chen (Guangzhou, China)	<b>4</b>
<b>10:10</b>	<b>Break</b>	<b>5</b>

<b>Auditorium (South)</b>	<b>Session 6</b>	<b>09:00 - 16:30</b>
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**Session: ERS Italian Day programme**

**Aims :** The session aims at presenting the Italian latest data on epidemiology, diagnosis and treatment of the major respiratory diseases. During the afternoon session the Italian young fellows of ERS/SIP/AIPO will present and discuss the results of their fellowships. La sessione è indirizzata a presentare i più recenti dati italiani sulla epidemiologia, diagnosi e trattamento delle principali malattie respiratorie. Durante la sessione pomeridiana i giovani che hanno beneficiato di fellowship ERS/AIPO/SIP presenteranno e discuteranno i risultati dei propri studi.

**Target audience :** Clinician, Epidemiologist, General practitioner, Paediatrician, Nurse, Fellow, Thoracic surgeon

**Chairs :** Francesco Blasi (Milan, Italy), Stefano Centanni (Milan, Italy)

<b>09:00</b>	<b>Introduction and welcome</b> <b>Introduzione e benvenuto</b> Guy F Joos (Ghent, Belgium)	<b>6</b>
<b>09:27</b>	<b>COPD: the Italian recommendation</b> <b>BPCO: le raccomandazioni Italiane</b> Stefano Centanni (Milan, Italy)	<b>7</b>
<b>09:54</b>	<b>Severe asthma: the SANI project</b> <b>Asma Grave: il progetto SANI</b> Giorgio Walter Canonica (Milan, Italy)	<b>8</b>
<b>10:21</b>	<b>Bronchiectasis: the IRIDE and EMBARC projects</b> <b>Bronchiectasie: i progetti IRIDE e EMBARC</b> Francesco Blasi (Milan, Italy)	<b>9</b>
<b>10:48</b>	<b>Break</b> <b>Pausa</b>	<b>10</b>
<b>11:12</b>	<b>Cystic Fibrosis: how to manage the adults in Italy</b> <b>Fibrosi Cistica: come gestire l'adulto in Italia</b> Carlo Castellani (VERONA, VR, Italy)	<b>11</b>
<b>11:39</b>	<b>Asthma in children: an update</b> <b>Asma nel bambino: un update</b> Fernando Maria De Benedictis (Ancona, AN, Italy)	<b>12</b>

12:06	<b>Lung transplantation in Italy: can we do something better?</b> <b>Il trapianto polmonare in Italia: possiamo fare di meglio?</b> Federica Meloni (Pavia, Italy)	13
12:33	<b>ILD update: the Italian experience</b> <b>ILD update: l'esperienza italiana</b> Luca Richeldi (Southampton, United Kingdom)	14
13:00	<b>Break</b> <b>Pausa</b>	15
14:00	<b>Presentation from Italian Fellowship recipient "Endothelial aggregation in pulmonary arterial hypertension"</b> Paolo Pozzi (Cantù, CO, Italy)	16
14:18	<b>Presentation from Italian Fellowship recipient "The burden of sinus disease in cystic fibrosis lung transplant recipients"</b> Letizia Corinna Morlacchi (Milan, Italy)	18
14:36	<b>Presentation from Italian Fellowship recipient "Inflammatory and functional biomarkers of the T2-low endotype in exercise-induced asthma"</b> Matteo Bonini (London, United Kingdom)	19
14:54	<b>Presentation from Italian Fellowship recipient "Viral factors in determining clinical manifestations of infants with bronchiolitis"</b> Raffaella Nenna (Roma, Italy)	20
15:12	<b>Presentation from Italian Fellowship recipient "Diffuse lung disease in children"</b> Nicola Ullmann (Rome, Italy)	21
15:30	<b>Panel discussion</b>	22

### Black (North) Session 8 09:30 - 11:15

#### Session: Primary Care programme 2017 (part I)

Transforming healthcare to optimise management of long-term respiratory disease

**Aims :** Using the framework of the chronic care model, this Primary Care programme will address how to optimise the management of people with long-term respiratory disease.

**Tag(s) :** Clinical

**Target audience :** Clinician, General practitioner, Allied health professional, Patient, Pulmonologist, Respiratory physician

**Chairs :** Janwillem W. H. Kocks (Groningen, Netherlands), Karin Lisspers (Gagnef, Sweden)

09:30	<b>Transforming care for chronic conditions</b> António Jaime Correia De Sousa (PORTO, Portugal)	30
10:00	<b>Organisation of healthcare: implementing effective care</b> Antonio Caviglia (Saronno, Italy)	31
10:30	<b>Organisation of healthcare: clinical information systems</b> Aziz Sheikh (Edinburgh, United Kingdom)	32
11:00	<b>Panel discussion</b>	33

### Yellow (North) Session 20 10:00 - 17:30

#### Patient: ELF Patient Organisation Networking Day

**Aims :** To bring together patient organisations and primary healthcare professionals to share experiences and promote collaboration.

**Chairs :** Chair to be confirmed

### No Room Session 21 10:00 - 18:00

Public: Healthy Lungs for Life - public lung function testing (Piazza Luca Beltrami)

### Silver (North) Session 10:30 - 11:30

HERMES examination: HERMES Exam preparations

## Red (North)

## Session 22

10:40 - 13:00

## Session: Chinese Programme 2017

## A joint ERS/CTS session (part II)

**Aims :** The session will present and discuss the new advances in respiratory medicine presented by experienced speakers from the ERS leadership and Chinese leaders in respiratory medicine. The session will offer an overview on respiratory airway disorders, lung cancer, COPD noninvasive ventilation and the possibility to discuss similarities and differences in Europe and China.

Note that the presentations will be conducted in English with dual projection of slides in Chinese and English.

**Chairs :** Carlos Manuel Da Silva Robalo Cordeiro (Coimbra, Portugal), Chen Wang (Beijing, China)

10:40	<b>Lung cancer screening</b> Mina Gaga (Athens, Greece)	121
11:10	<b>Diagnosis and treatment of community-acquired pneumonia in adults: 2016 clinical practice guidelines by the Chinese Thoracic Society, Chinese Medical Association</b> Jie-Ming Qu (Shanghai, China)	122
11:40	<b>Severe asthma: from inflammatory phenotype to treatment</b> Guy F Joos (Ghent, Belgium)	123
12:10	<b>Pneumonia: how to reduce the still tremendous mortality</b> Tobias Welte (Hannover, Germany)	125
12:40	<b>Closure</b>	126

## Black (North)

## Session 23

11:30 - 13:00

## Session: Primary Care programme 2017 (part II)

## The key triad: patient, healthcare system and the community

**Aims :** Using the framework of the chronic care model, this Primary Care programme will address how to optimise the management of people with long-term respiratory disease.

**Tag(s) :** Clinical

**Chairs :** Hilary Pinnock (Edinburgh, United Kingdom), Augusto Zaninelli (Florence, Italy)

11:30	<b>An informed and motivated healthcare team</b> Sinthia Bosnic-Anticevich (Sydney, NSW, Australia)	127
11:55	<b>An informed and supportive community</b> Klaus Phanareth (Gentofte, Denmark)	128
12:20	<b>An informed and activated patient</b> Steph Taylor (London, United Kingdom)	129
12:45	<b>The patient perspective</b> Mikaela Odemyr (BRUXELLES, Belgium)	130

## Silver (North)

## Session 24

12:00 - 14:00

## HERMES examination: HERMES Exam preparations - pre-Exam

## Bronze (Hall 4)

## Session 25

13:30 - 15:20

## Session: Russian Programme 2017

## Pulmonary hypertension / a joint ERS, RRS, ARSRM session (part I)

**Aims :** The session will discuss of the problematic of pulmonary hypertension.

Note that the presentations will be conducted in Russian and English with dual projection of slides in Russian and English.

**Target audience :** Pulmonologist, General practitioner, Allied health professional

**Chairs :** Alexander G. Chuchalin (Moscow, Russian Federation), Marc Humbert (Paris, France)

13:30	<b>Welcome and introduction (new approach for NO-therapy)</b> Alexander G. Chuchalin (Moscow, Russian Federation)	131
13:50	<b>Definitions and diagnosis</b> Nazzareno Galiè (Bologna, BO, Italy)	132
14:15	<b>Treatment algorithm</b> Marc Humbert (Paris, France)	133

<b>14:40</b>	<b>General and standard therapy of pulmonary arterial hypertension</b> Natalia Tsareva (Moscow, Russian Federation)	<b>134</b>
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<b>15:05</b>	<b>Break</b>	<b>135</b>
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<b>Purple (North)</b>	<b>Session 26</b>	<b>13:30 - 15:40</b>
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**Session: French Programme 2017****Actualités (news) / A joint ERS/SPLF session (part I)**

**Aims :** L'objectif de cette session est de présenter un large panorama des actualités dans divers domaines de la pneumologie. Cette session couvrira notamment des actualités thérapeutiques dans ces différents domaines.  
The aim of this session is to present a wide range of the latest news in various fields of pneumology. This session will cover therapeutic news among these.

Note that the presentations will be conducted in French with dual projection of slides in French and English.

**Target audience :** Clinician, Researcher

**Chairs :** Guy F Joos (Ghent, Belgium), François Chabot (Vandoeuvre-Les-Nancy, France)

<b>13:30</b>	<b>Maladie thrombo-embolique aiguë et cancers</b> Acute thrombo-embolism disease and cancers Guy Meyer (Paris, France)	<b>136</b>
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<b>13:57</b>	<b>Prise en charge de l'aspergillose pulmonaire chronique</b> Chronic pulmonary aspergillosis care Jacques Cadranet (Paris, France)	<b>137</b>
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<b>14:25</b>	<b>Innovations thérapeutiques dans le mésothéliome</b> Therapeutic innovation in mesothelioma Arnaud Scherpereel (Lille, France)	<b>138</b>
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<b>14:52</b>	<b>La médecine 4P</b> The 4Ps medicine Antoine Magnan (Nantes, France)	<b>139</b>
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<b>15:20</b>	<b>Break</b>	<b>140</b>
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<b>Red (North)</b>	<b>Session 27</b>	<b>13:30 - 15:00</b>
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**Session: Spanish and Portuguese Programme 2017****A joint ERS / ALAT / SBPT / SEPAR / SPP session (part I)**

**Aims :** The aim of this session is to discuss key issues in respiratory medicine, providing the opportunity to hear about the latest scientific developments by representatives of these societies. Note that the presentations will be conducted in Portuguese or Spanish, and in English, with dual projection of slides in either Spanish or Portuguese and English.

**Chairs :** Andrés Palomar Lever (Mexico, Mexico), FERNANDO LUIZ CAVALCANTI LUNDGREN (Pernambuco, Brazil)

<b>13:30</b>	<b>Instrumentation of spirometry programs and the detection of COPD in Latin America</b> Instrumentación de programas de espirometría y la detección de la EPOC en Latinoamérica Juan Carlos Vazquez García (México D.F, Mexico)	<b>141</b>
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<b>14:00</b>	<b>Advances in the treatment of severe asthma</b> (Avancos no tratamento da asma severa) Daiana Stolz (Basel, Switzerland)	<b>142</b>
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<b>14:30</b>	<b>Break</b>	<b>143</b>
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<b>Silver (North)</b>	<b>Session 28</b>	<b>14:00 - 17:00</b>
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**HERMES examination: HERMES Examinations in Adult and Paediatric Respiratory Medicine**

**Chairs :** Chair to be confirmed

<b>Blue 1 (North)</b>	<b>Session 36</b>	<b>14:00 - 17:30</b>
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**Postgraduate Course: PG19 In vitro models of the pulmonary epithelium: beyond simple culture**

**Aims :** To provide an introduction to the latest developments in in vitro lung research techniques, with a particular focus on the epithelial cells of the lung.

**Track(s) :** Chronic airway diseases

**Tag(s) :** Basic translational science

**Target audience :** Engineer, Fellow, Immunologist, Junior member, Microbiologist, Pathologist, Researcher, Scientist, Student

**Chairs :** Colin Bingle (Sheffield, United Kingdom), Robbert J. Rottier (Rotterdam, Netherlands)

<b>14:00</b>	<b>Creating the human alveolar air-liquid interface in vitro</b> Terry Tetley (London, United Kingdom)	<b>193</b>
<b>14:30</b>	<b>In vitro models of the fully differentiated human large airway epithelium</b> Susan D. Reynolds (Denver, United States of America)	<b>194</b>
<b>15:00</b>	<b>Group assignment</b>	<b>195</b>
<b>15:30</b>	<b>Break</b>	<b>196</b>
<b>16:00</b>	<b>Generation of lung cells using stem cells and patient induced pluripotent stem cells</b> Martin Ulrich (Hannover, Germany)	<b>197</b>
<b>16:30</b>	<b>Lung on a chip-based model for studying lung disease</b> Remi Villenave (Boston, United States of America)	<b>198</b>
<b>17:00</b>	<b>Group assignment</b>	<b>199</b>

## Red (North)

## Session 39

15:00 - 17:30

## Session: Spanish and Portuguese Programme 2017

A joint ERS / ALAT / SBPT / SEPAR / SPP session (part II)

**Aims :** The aim of this session is to discuss key issues in respiratory medicine, providing the opportunity to hear about the latest scientific developments by representatives of these societies. Note that the presentations will be conducted in Portuguese or Spanish, and in English, with dual projection of slides in either Spanish or Portuguese and English.

**Chairs :** Venceslau José Coelho Pinto Hespagnol (PORTO, Portugal), Inmaculada Alfageme Michavila (Sevilla, Spain)

<b>15:00</b>	<b>Impact of Clinical and Pathological assessment on IPF treatment and prognosis</b> <b>Impacto da Clínica e avaliação patológica em tratamento e prognóstico IPF</b> António Manuel Martins Morais (Maia, Portugal)	<b>214</b>
<b>15:30</b>	<b>Spanish registry of bronchiectasis: update and results</b> <b>Registro Español de Bronquiectasias: actualización y resultados</b> Miguel Ángel Martínez García (Valencia, Spain)	<b>215</b>
<b>16:00</b>	<b>Introduction keynote lecturer</b> Carlos Manuel Da Silva Robalo Cordeiro (Coimbra, Portugal)	<b>216</b>
<b>16:15</b>	<b>Would new drugs and regimens permit shorter TB treatments? Up to date</b> <b>Novos fármacos e regimes permitiriam tratamentos mais curtos? Atualizar</b> Margareth Maria Pretti Dalcolmo (Rio De Janeiro/Rj, Brazil)	<b>217</b>
<b>17:00</b>	<b>Panel discussion</b>	<b>218</b>

## Bronze (Hall 4)

## Session 40

15:20 - 17:00

## Session: Russian Programme 2017

Pulmonary hypertension / a joint ERS, RRS, ARSRM session (part II)

**Aims :** The session will discuss of the problematic of pulmonary hypertension.

Note that the presentations will be conducted in Russian and English with dual projection of slides in Russian and English.

**Target audience :** Pulmonologist, General practitioner, Allied health professional

**Chairs :** Irina Chazova (Moscow, Russian Federation), Stephan Rosenkranz (Cologne, Germany)

<b>15:20</b>	<b>Russian recommendation and registry of pulmonary hypertension</b> Irina Chazova (Moscow, Russian Federation)	<b>219</b>
<b>15:45</b>	<b>Chronic thromboembolic pulmonary hypertension</b> Alexander Edemskiy (Novosibirsk, Russian Federation)	<b>220</b>
<b>16:10</b>	<b>Pulmonary hypertension due to lung disease</b> Sergey Avdeev (Moscow, Russian Federation)	<b>221</b>
<b>16:35</b>	<b>Pulmonary hypertension to left heart disease</b> Stephan Rosenkranz (Cologne, Germany)	<b>222</b>



## Purple (North)

## Session 41

15:40 - 17:30

## Session: French Programme 2017

Innovations et perspectives dans les maladies des bronches (Bronchial diseases: innovations and perspectives) / A joint ERS/SPLF session (part II)

**Aims :** L'objectif de la session a pour objet de dresser un tableau des innovations et des perspectives dans les maladies des bronches, grâce aux progrès récents de la recherche. Les exposés seront présentés et discutés par des experts de renommée internationale. The aim of the session is to picture the innovations and perspectives in bronchial diseases and recent research progresses. Presentations from international reputation will discuss this discoveries.

Note that the presentations will be conducted in French with dual projection of slides in French and English.

**Target audience :** Clinician, Researcher

**Chairs :** Guy Brusselle (Ghent, Belgium), Nicolas Roche (Paris, France)

15:40	<b>Régulation de l'inflammation dans l'asthme : IL37 vs IL17</b> Inflammatory regulation in asthma: IL37 vs IL17 Agnès Hamzaoui (Tunis, Tunisia)	223
16:07	<b>La thermoplastie dans l'asthme : corrélation clinique et histopathologique</b> Asthma thermoplasty: clinical and histopathological correlation Camille Taillé (Paris, France)	224
16:35	<b>De l'hypothèse hygiéniste à l'hypothèse microbiotique</b> From the hygienist hypothesis to the microbiotic hypothesis Erika von Mutius (Munich, Germany)	225
17:02	<b>Génétique et épigénétique de la BPCO</b> COPD genetics and epigenetics Guy Brusselle (Ghent, Belgium)	226

## Silver (North)

## Session 42

17:00 - 18:30

HERMES examination: HERMES Exam - follow-up

## Turquoise 2 (North)

## Session 44

17:45 - 18:35

Group members' meeting: Group 7.1 Paediatric respiratory physiology and sleep

**Chairs :** Graham Hall (Perth, WA, Australia), Refika Hamutcu Ersu (Istanbul, Turkey)

**Purple (North) Session 45 07:00 - 08:15***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Challenging clinical cases: CC1 Life-threatening mediastinitis and TB****Aims :** Access educational materials here

(1) to describe how lung TB can worsen rapidly and lead to unfavourable outcomes, and how such cases require close collaboration between pulmonologists and surgeons and timely referral of the patient to a surgeon; and (2) to present the need for a multidisciplinary team that can provide an adequate initial treatment for descending mediastinitis, and to describe the diagnostic and therapeutic algorithm that is essential for adequately treating this life-threatening infection.

**Track(s) :** Interstitial lung disease and vascular disease**Tag(s) :** Clinical**Target audience :** Clinician, General practitioner, Junior member, Pulmonologist, Radiologist, Respiratory physician, Thoracic surgeon, Trainee**Chairs :** Kalliopi Athanassiadi (Athens, Greece)

<b>Lung TB: from easy to treat to nightmare</b> Peter Yablonsky (St Petersburg, Russian Federation)	<b>227</b>
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<b>Life-threatening descending mediastinitis: is there space for conservative treatment?</b> Stefano Elia (Rome, Italy)	<b>228</b>
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**Amber 1 + 2 (South) Session 46 07:00 - 08:15***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Challenging clinical cases: CC2 Interstitial lung diseases****Aims :** Access educational materials here

In this session, complex cases will be presented and discussed in an interactive fashion. These cases were clinically very difficult, and the session will describe how the diagnosis was made, the radiological and pathological patterns in the case, and the pathogenetic mechanisms that were identified. The aim is to increase knowledge about the modalities that were used to build up the clinical reasoning and the biological mechanisms that may connect different disorders.

**Track(s) :** Interstitial lung disease and vascular disease Acute and chronic respiratory failure/sleep**Tag(s) :** Clinical**Target audience :** Clinician, Educationalist, Fellow, Pathologist, Pulmonologist, Radiologist, Researcher, Respiratory physician, Thoracic endoscopist, Thoracic surgeon, Trainee**Chairs :** Jan C. Grutters (Nieuwegein, Netherlands)

<b>A patient with adenocarcinoma and a progressive predominant upper lobe disease</b> Claudia Ravaglia (Brisighella, Italy)	<b>229</b>
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<b>A patient with sand-storm lungs</b> Elisabeth Bendstrup (Vejle, Denmark)	<b>230</b>
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**Green 3 (North) Session 53 08:00 - 10:20***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Skills workshop: SW2 Thoracic ultrasound****Aims :** Access educational materials here

To provide participants with an update on thoracic ultrasound knowledge and an opportunity to practise basic hands-on skills using training models, simulators, volunteers and patients.

**Tag(s) :** Clinical**Target audience :** Fellow, Pulmonologist, Radiologist, Resident, Thoracic surgeon, Respiratory physician, Respiratory therapist**Chairs :** Nick Maskell (Bristol, United Kingdom)

<b>Introduction</b>	<b>236</b>
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<b>Workstation 1: the normal human thoracic cavity</b> Valentina Pinelli (Brescia, Italy), Christian B. Laursen (Odense, Denmark)	<b>237</b>
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<b>Workstation 2: pleural effusion and/or pleural thickening</b> Paolo Ceruti (Cremona, Italy), Horia Grosu (Houston, United States of America)	<b>238</b>
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<b>Workstation 3: case studies</b> Najib M. Rahman (Oxford, United Kingdom)	<b>239</b>
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**Workstation 4: guided pleural aspiration and lymph node biopsy using models**

Coenraad Frederik Nicolaas Koegelenberg (Cape Town, South Africa), Nick Maskell (Bristol, United Kingdom), Rahul Bhatnagar (Bristol, United Kingdom)

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**Green 1 (North)****Session 77****10:40 - 13:00***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Skills workshop: SW3 Minimally invasive thoracic surgery****Video-Assisted-Thoracoscopic-Surgery (VATS) lobectomy****Aims :** Access educational materials here

To present the advantages of VATS, its applications in thoracic operations and technique advancements in the field of minimally invasive thoracic surgery; to acquire basic skills to build up confidence and to feel at ease with thoracoscopic techniques; to train on a simulator and improve orientation, eye-hand coordination and manual skills; to practice an accurate usage of surgical instruments such as dissectors, vessel loops and staplers.

**Track(s) :** Lung cancer**Tag(s) :** Clinical**Target audience :** Educationalist, Epidemiologist, Fellow, Junior member, Nurse, Resident, Student, Thoracic endoscopist, Thoracic surgeon**Chairs :** Stefano Elia (Rome, Italy)**Introduction**

427

**Interactively guided case**

Alessandro Brunelli (Leeds, United Kingdom)

428

**Basic skills**

Marco Scarci (London, United Kingdom)

429

**Hands-on case #1**

Benedetta Bedetti (Bonn, Germany)

430

**Hands-on case #2**

Xavier Benoit D'Journo (Marseille, France)

431

**Green 3 (North)****Session 78****10:40 - 13:00***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Skills workshop: SW4 Thoracic ultrasound****Aims :** Access educational materials here

To provide participants with an update on thoracic ultrasound knowledge and an opportunity to practise basic hands-on skills using training models, simulators, volunteers and patients.

**Tag(s) :** Clinical**Target audience :** Fellow, Pulmonologist, Radiologist, Resident, Respiratory physician, Respiratory therapist, Thoracic surgeon**Chairs :** Najib M. Rahman (Oxford, United Kingdom)**Introduction**

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**Workstation 1: the normal human thoracic cavity**

Konstantina Kontogianni (Heidelberg, Germany), Valentina Pinelli (Brescia, Italy)

433

**Workstation 2: pleural effusion and/or pleural thickening**

Paolo Ceruti (Cremona, Italy), Ioannis Psallidas (Oxford, United Kingdom)

434

**Workstation 3: case studies**

John Wrightson (Oxford, United Kingdom)

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**Workstation 4: guided pleural aspiration and lymph node biopsy using models**

Najib M. Rahman (Oxford, United Kingdom), Rahul Bhatnagar (Bristol, United Kingdom), Giovanni Volpicelli (Torino, Italy)

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**Green 1 (North)****Session 164****14:30 - 16:50***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Skills workshop: SW5 Minimally invasive thoracic surgery****Video-Assisted-Thoracoscopic-Surgery (VATS) lobectomy**

**Aims :** To present the advantages of VATS, its applications in thoracic operations and technique advancements in the field of minimally invasive thoracic surgery; to acquire basic skills to build up confidence and to feel at ease with thoracoscopic techniques; to train on a simulator and improve orientation, eye-hand coordination and manual skills; to practice an accurate usage of surgical instruments such as dissectors, vessel loops and staplers.

**Track(s) :** Lung cancer

**Tag(s) :** Clinical

**Target audience :** Educationalist, Epidemiologist, Fellow, Junior member, Nurse, Resident, Student, Thoracic endoscopist, Thoracic surgeon

**Chairs :** Stefano Elia (Rome, Italy)

<b>Introduction</b>	<b>1416</b>
<b>Interactively guided case</b> Piergiorgio Solli (Cambridge, United Kingdom)	<b>1417</b>
<b>Basic skills</b> Luca Bertolaccini (Ravenna, Italy)	<b>1418</b>
<b>Hands-on case #1</b> Francesco Sellitri (Plymouth, United Kingdom)	<b>1419</b>
<b>Hands-on case #2</b> Maria Elena Cufari (London, United Kingdom)	<b>1420</b>

### Green 3 (North) Session 166 14:30 - 16:50

*Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.*

#### Skills workshop: SW6 Thoracic ultrasound

**Aims :** To provide participants with an update on thoracic ultrasound knowledge and an opportunity to practise basic hands-on skills using training models, simulators, volunteers and patients.

**Tag(s) :** Clinical

**Target audience :** Fellow, Respiratory physician, Respiratory therapist, Thoracic surgeon, Pulmonologist, Radiologist, Resident

**Chairs :** Nick Maskell (Bristol, United Kingdom)

<b>Introduction</b>	<b>1426</b>
<b>Workstation 1: the normal human thoracic cavity</b> Konstantina Kontogianni (Heidelberg, Germany), Christian B. Laursen (Odense, Denmark)	<b>1427</b>
<b>Workstation 2: pleural effusion and/or pleural thickening</b> Ioannis Psallidas (Oxford, United Kingdom), Horianna Grosu (Houston, United States of America)	<b>1428</b>
<b>Workstation 3: case studies</b> John Wrightson (Oxford, United Kingdom)	<b>1429</b>
<b>Workstation 4: guided pleural aspiration and lymph node biopsy using models</b> Coenraad Frederik Nicolaas Koegelenberg (Cape Town, South Africa), Nick Maskell (Bristol, United Kingdom), Giovanni Volpicelli (Torino, Italy)	<b>1430</b>

### Green 2 (North) Session 99 10:45 - 12:45

*Registration for this session is additional to the congress registration fee and is €49 on site, €43 standard.*

#### Professional development workshop: PDW2 How to deal with difficult people

**Aims :** Access educational materials here

To increase the ability of the attendees (1) to develop effective approaches to dealing with challenging situations; (2) to use effective communication skills to raise concerns; and (3) to identify difficult personality types and utilise specific strategies to deal with them.

**Target audience :** Allied health professional, Clinician, Fellow, Junior member, Patient, Public health official, Respiratory physician, Trainee, Student, Nurse, Physiotherapist, Researcher, Social worker, Respiratory therapist, Educationalist

**Chairs :** Nicolino Ambrosino (Livorno, Italy)

<b>Introduction by the chair</b>	<b>619</b>
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**What makes a situation challenging? - Remembering that impact may differ from intent - How perception impacts your view - Gaining psychological distance as you prepare an approach - Recognising that emotions may cloud your judgment and behaviour - Small group discussion: What types of behaviour are most challenging for you and why?** 620  
Louellen N. Essex (Wayzata, United States of America)

**When you want to use a communication approach: a step-by-step template - Describing the problem without using judgmental terms - Owning your own point of view - Explaining the impact of the problem - Listening carefully to the response - Negotiating solutions - What to do if you cannot reach an agreement - Skills practise in communicating with difficult people in small groups** 621  
Louellen N. Essex (Wayzata, United States of America)

**Applying the communication approach to common difficult situations - Case discussion in small groups: what would you say/do?** 622  
Louellen N. Essex (Wayzata, United States of America)

**When you want to use a coping approach: - If communication does not work, managing the situation "in the moment" - Examples of what to say and do when certain behaviours occur - Skills practise in triads** 623  
Louellen N. Essex (Wayzata, United States of America)

**In summary: Commit-Own-Notice-Frame-Identify-Determine-Evaluate-Negotiate-Collaborate-Experiment = CONFIDENCE** 624  
Louellen N. Essex (Wayzata, United States of America)

**Questions and answers** 625

## Green 2 (North) Session 165 14:30 - 16:50

Registration for this session is additional to the congress registration fee and is €49 on site, €43 standard.

### Professional development workshop: PDW3 Motivational interviewing for smoking cessation

**Aims :** Motivational interviewing is a patient-centred, collaborative, and goal-oriented method that is designed to strengthen the personal motivation for and commitment to a specific goal by eliciting and exploring the person's own reasons for wanting a change within an atmosphere of acceptance and compassion. In motivational interviewing, it is appropriate to provide information and advice, but only if the patient gives permission to receive it. The goal of the healthcare provider is to understand the patient's perspective of the topic and their needs, and to help the patient to draw their own conclusion about the relevance of any information provided.

**Track(s) :** Chronic airway diseases

**Tag(s) :** Clinical, Smoking prevention and cessation (HLfL)

**Target audience :** Allergologist, Cardiologist, Clinician, Educationalist, Epidemiologist, Fellow, Junior member, Lung function technician, Nurse, Occupational therapist, Oncologist, Otolaryngologist, Paediatrician, Patient, Physiologist, Physiotherapist, Psychologist, Public health official, Pulmonologist, Resident, Respiratory physician, Respiratory therapist, Student, Trainee

**Chairs :** Paraskevi Katsaounou (Athens, Greece), Chair to be confirmed

**Introduction** 1421

**Motivational interviewing: definition, objectives, and the transtheoretical model of change** 1422  
Gian Paolo Guelfi (GENOVA, GE, Italy)

**Motivational interviewing: principles** 1423  
Tim Anstiss (London, United Kingdom)

**Motivational interviewing core skills: motivational strategies** 1424  
Lynne Johnston (Sunderland, United Kingdom)

**Strategies for information exchange: play roles** 1425  
Paraskevi Katsaounou (Athens, Greece)

## Amber 7 + 8 (South) Session 151 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.

### Meet the expert: ME1 Treating obstructive sleep apnoea syndrome in children

#### Lessons from recent multicentre studies

**Aims :** Access educational materials here

To summarise the results of recent multicentre studies (CHAT from the USA and NANOS from Spain) on the efficacy of treatment interventions for OSAS in childhood; to discuss indications for treating OSAS in children, even in settings where polysomnography is not available.

**Track(s) :** Acute and chronic respiratory failure/sleep**Tag(s) :** Paediatric**Target audience :** Clinician, Fellow, Paediatrician, Pulmonologist, Respiratory physician, Sleep specialist/technologist, Anaesthesiologist, Intensivist/critical care physician, Junior member, Neonatologist**Chairs :** Melania Evangelisti (Rome, Italy)**13:00** **Treating OSAS in children**  
Athanasios G. Kaditis (Athens, Greece)**1389****Suite 9 (South)****Session 154****13:00 - 14:00***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Meet the expert: ME2 Transbronchial cryobiopsy in diffuse parenchymal lung disease****Aims :** Transbronchial cryobiopsy is a new modality that is used to obtain enough lung parenchyma tissue for diagnosing a variety of diffuse parenchymal lung diseases. Although the diagnostic yield is about 80%, this method associates with a significantly lower rate of complications than surgical lung biopsy. Its introduction into clinical practice could significantly improve the diagnosis and treatment of patients with these disorders.**Track(s) :** Interstitial lung disease and vascular disease**Tag(s) :** Clinical**Target audience :** Anaesthesiologist, Clinician, Educationalist, Epidemiologist, Fellow, Immunologist, Intensivist/critical care physician, Junior member, Pathologist, Pulmonologist, Radiologist, Resident, Scientist, Thoracic endoscopist, Thoracic surgeon**13:00** **Transbronchial cryobiopsy in diffuse parenchymal lung disease**  
Venerino Poletti (Forli, Italy)**1392****Suite 7 (South)****Session 152****13:00 - 14:00***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Meet the expert: ME3 Genetics, pathology and therapy of neuroendocrine tumours of the lung****Aims :** Recently, knowledge about the genetics, pathology, and therapy of neuroendocrine lung tumours has increased hugely. This session is based on the 2015 WHO classification of tumours of the lung and other recent publications and will discuss (1) the genetic findings in typical and atypical carcinoids, (2) the pathological and differential diagnoses of pulmonary neuroendocrine tumours, (3) the genetic alterations in high grade carcinomas (SCLC and LCNEC), and (4) the treatment regimens for patients with lung neuroendocrine tumours.**Track(s) :** Lung cancer**Tag(s) :** Clinical**Target audience :** Allied health professional, Anaesthesiologist, Clinician, Epidemiologist, Fellow, General practitioner, Junior member, Nurse, Oncologist, Pathologist, Patient, Pharmaceutical industry representative, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Scientist, Student, Thoracic endoscopist, Thoracic surgeon**Chairs :** Daan W. Loth (Breda, Netherlands)**13:00** **Genetics, pathology, and therapy of neuroendocrine tumours of the lung**  
Giulio Rossi (Modena, Italy)**1390****Suite 8 (South)****Session 153****13:00 - 14:00***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Meet the expert: ME4 Chronic cough - FULLY BOOKED****Update on diagnosis and treatment****Aims :** Chronic cough is a troublesome symptom in many airways diseases including COPD, asthma and IPF and is associated with adverse outcomes and has a negative impact on quality of life. The pathogenesis of chronic cough is not well understood and treatment options are limited. The aim of this session is raise awareness of the importance of chronic cough, to demonstrate the importance of promoting good management strategies, appreciate the need to develop new effective treatments and to consider the educational and support needs of patients with chronic cough.**Track(s) :** Chronic airway diseases**Tag(s) :** Clinical**Target audience :** Clinician, Fellow, Paediatrician, Pulmonologist, Respiratory physician**Chairs :** Imran Satia (Blackburn, United Kingdom)**13:00** **Chronic cough diagnosis and treatment**  
Alyn Hugh Morice (Cottingham, United Kingdom)**1391**

**Blue 1 (North) Session 47 07:30 - 08:20****Group members' meeting: Group 1.4 Interventional pulmonology****Chairs :** Jouke T. Annema (Amsterdam, Netherlands), Prashant Nemichand Chhajed (Mumbai (Maharashtra), India)**Turquoise 2 (North) Session 48 07:30 - 08:20****Group members' meeting: Group 3.3 Mechanisms of lung injury and repair****Chairs :** Melanie Koenigshoff (Denver, United States of America), Agnes W. Boots (Maastricht, Netherlands)**Suite 5 (South) Session 49 07:30 - 08:20****Group members' meeting: Group 1.6 General practice and primary care****Chairs :** Hilary Pinnock (Edinburgh, United Kingdom), Janwillem W. H. Kocks (Groningen, Netherlands)**Suite 7 (South) Session 50 07:30 - 08:20****Group members' meeting: Group 5.3 Allergy and immunology****Aims :** During this meeting, Assoc Prof Lenna Uller will give a talk on "Lung Structural cells in immune regulation during airway inflammation"**Chairs :** Apostolos Bossios (Stockholm, Sweden), Marco Idzko (Freiburg, Germany)**Suite 9 (South) Session 51 07:30 - 08:20****Group members' meeting: Group 1.1 Clinical problems****Chairs :** Mohankumar Thekkinkattil (Coimbatore (Tamil Nadu), India), Laura Fregonese (London, United Kingdom)**Amber 5 + 6 (South) Session 192 07:30 - 08:20****Group members' meeting: Group 1.5 Diffuse parenchymal lung disease****Chairs :** Katerina Antoniou (Heraklion, Crete, Greece), Francesco Bonella (Dusseldorf, Germany)**Amber 7 + 8 (South) Session 219 07:30 - 08:20****Group members' meeting: Group 5.2 Monitoring airway disease****Chairs :** Jose Luis Lopez-Campos Bodineau (Sevilla, Spain), Florence Schleich (Liège, Belgium)**Gold (South) Session 54 08:30 - 10:30****Grand Round: GR1 Imaging Grand Round**

- Aims :**
1. To update about the technology and the different imaging opportunities disease related
  2. To inform about benefits as well the limitations of the different options
  3. To give a holistic approach in imaging possibilities

**Track(s) :** **Interstitial lung disease and vascular disease** Acute and chronic respiratory failure/sleep Lung cancer**Tag(s) :** Clinical**Target audience :** Clinician, Educationalist, Emergency medicine doctor, Epidemiologist, Fellow, General practitioner, Intensivist/critical care physician, Junior member, Lung function technician, Occupational therapist, Oncologist, Patient, Physiologist, Physiotherapist, Public health official, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, Thoracic endoscopist, Thoracic surgeon, Trainee**Chairs :** Aleksandar Grgic (Homburg, Germany), Arschang Valipour (Wien, Austria)

<b>08:30</b>	<b>Imaging and interstitial lung disease</b> Claus Peter Heussel (Heidelberg, Germany)	<b>241</b>
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<b>09:00</b>	<b>Functional imaging</b> Sam Bayat (Grenoble, France)	<b>242</b>
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<b>09:30</b>	<b>Imaging without radiation- When and in which indications</b> Helmut Prosch (Wien, Austria)	<b>243</b>
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<b>10:00</b>	<b>Imaging and lung cancer</b> Cornelia Schaefer-Prokop (Amersfoort, Netherlands)	<b>244</b>
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**Auditorium (South) Session 55 08:30 - 10:30****Symposium: State of the art session: "Respiratory infections"**

**Aims :** The audience will have an up-to-date review on special topic in respiratory infections, including diagnosis and management of sepsis and fungal infections, as well as current practice for influenza and pneumococcal vaccination. At the end, we will also offer a critical look at old and new anti-TB drugs.

**Track(s) :** Respiratory infections

**Target audience :** Allied health professional, Clinician, Emergency medicine doctor, Fellow, General practitioner, Intensivist/critical care physician, Junior member, Microbiologist, Nurse, Paediatrician, Pharmaceutical industry representative, Public health official, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, TB specialist

**Chairs :** Giovanni Sotgiu (Porto Torres, Italy), Antoni Torres (Barcelona, Spain)

08:30	<b>Sepsis</b> Tobias Welte (Hannover, Germany)	245
09:00	<b>Influenza and pneumococcal vaccination</b> Charles Dela Cruz (New Haven, United States of America)	246
09:30	<b>Fungal respiratory infections</b> Matteo Bassetti (Udine, Italy)	247
10:00	<b>Anti-tuberculosis drugs</b> Payam Nahid (San Francisco, United States of America)	248

### Silver (North) Session 56 08:30 - 10:30

#### Year in review: Paediatric year in review: update on paediatric pulmonology

#### Update on the most important studies in paediatric pulmonology

**Aims :** The audience will receive an update in four topics in paediatric respiratory medicine. The most recent and significant literature and developments relating to these topics will be highlighted.

**Track(s) :** Respiratory infections Chronic airway diseases

**Tag(s) :** Paediatric

**Target audience :** Clinician, Epidemiologist, Fellow, Immunologist, Junior member, Neonatologist, Paediatrician, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Student

**Chairs :** Fernando Maria De Benedictis (Ancona, AN, Italy), Ernst Eber (Graz, Austria)

08:30	<b>Chronic interstitial lung disease in children</b> Matthias Griesse (München, Germany)	249
08:55	<b>Viral infections in wheezing disorders</b> Peter Le Souef (Perth, WA, Australia)	250
09:20	<b>Pulmonary vascular development in relation to congenital lung disease</b> Robbert J. Rottier (Rotterdam, Netherlands)	251
09:45	<b>Lung imaging in paediatric pulmonology</b> Harm Tiddens (Rotterdam, Netherlands)	252
10:10	<b>ERS Statement on Interventional bronchoscopy in children</b> Ernst Eber (Graz, Austria)	253

### Bronze (Hall 4) Session 57 08:30 - 10:30

#### Session: Pathophysiology and emerging therapies for severe asthma

#### A joint ERS/Canadian Thoracic Society session

**Aims :** At the conclusion of the session participants will describe recent progress in identifying pathophysiological and biomarkers for severe asthma endotypes; describe clinical features that distinguish poorly controlled asthma; and identify and understand the effectiveness of emerging biologic therapies for steroid refractory poorly controlled asthma. This session is jointly organised by the Canadian Thoracic Society and the European Respiratory Society.

**Target audience :** Clinician, Scientist, Student

**Chairs :** Catherine Lemiere (Montreal, Canada), Ian M. Adcock (London, United Kingdom)

08:30	<b>Diagnostic approach to and phenotyping of severe asthma</b> Elisabeth H.D. Bel (Amsterdam, Netherlands)	254
09:00	<b>Factors driving airway eosinophilia in prednisone-dependent severe asthma</b> Parameswaran Nair (Hamilton, ON, Canada)	255



09:30	<b>Pathophysiology of non-eosinophilic severe asthma</b> Ratko Djukanovic (Southampton, United Kingdom)	256
10:00	<b>Emerging biologic approaches for the treatment of difficult to control asthma</b> J. Mark Fitzgerald (Vancouver, BC, Canada)	257

## Beige (South) Session 58 08:30 - 10:30

### Symposium: Tobacco Control in Europe: research and policy

**Aims :** We aim to learn from experts and high level policy makers on the new developments and initiatives to fulfil the evidence base gap, and address hot issues, such as e-cigarettes, from a multidisciplinary, translational perspective. This type of session (especially around the hot issue of e-cigarettes) traditionally fills the room beyond its seating capacity, and fits directly within this year's conference theme.

**Track(s) :** Chronic airway diseases

**Tag(s) :** Paediatric, Smoking prevention and cessation (HLfL)

**Target audience :** Allergologist, Allied health professional, Anaesthesiologist, Cardiologist, Clinician, Educationalist, Epidemiologist, Fellow, General practitioner, Immunologist, Junior member, Lung function technician, Neonatologist, Nurse, Occupational therapist, Oncologist, Otolaryngologist, Paediatrician, Patient, Physiotherapist, Psychologist, Public health official, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Social worker, Student, TB specialist, Thoracic surgeon, Trainee

**Chairs :** Joan B Soriano (Madrid, Spain), Paraskevi Katsaounou (Athens, Greece)

08:30	<b>Outdoor second-hand cigarette smoke, air quality and their measurement</b> Ario Alberto Ruprecht (Bareggio, Italy)	258
09:00	<b>Second-hand smoking or health in children and other highly susceptible human groups</b> Israel Agaku (Atlanta, United States of America)	259
09:30	<b>The EU-efforts on tobacco research and potential future opportunities in H2020</b> Athanasios Gerakis (Bruxelles, Belgium)	260
10:00	<b>E-cigarettes in 2017 – an update of the evidence and European regulatory steps</b> Constantine Vardavas (Athens, Greece)	261

## Black (North) Session 59 08:30 - 10:30

### Symposium: Rational strategies for specific treatment situations in lung cancer

#### Latest evidence meets longstanding eminence

**Aims :** Lung cancer is a very heterogeneous group of malignancies that often presents clinicians with major challenges. This symposium focuses on four specific treatment situations in lung cancer in which the treatment strategies are still being debated. Experienced speakers will present the latest evidence and combine it with their longstanding experience to yield rational treatment strategies.

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Clinician, Fellow, General practitioner, Immunologist, Junior member, Nurse, Oncologist, Pathologist, Patient, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, Thoracic endoscopist, Thoracic surgeon, Trainee

**Chairs :** Matthew Evison (Manchester, United Kingdom), Gilbert Massard (Strasbourg, France)

08:30	<b>Stage I NSCLC: the extent of surgical resection needed, or, better yet, radiotherapy?</b> Paul E. Van Schil (Edegem (Antwerp), Belgium)	262
09:00	<b>Stage IIIA/B NSCLC: rationale for multimodal diversity</b> Wilfried Ernst Erich Eberhardt (Essen, Germany)	263
09:30	<b>Stage IV NSCLC, oligometastatic disease: meaningful patient selection and multimodal treatment approaches</b> Isabelle Opitz (Zurich, Switzerland)	264
10:00	<b>Relapsed NSCLC and SCLC: benefits and limitations of systemic treatments beyond the second line</b> Torsten Gerriet Blum (Berlin, Germany)	265

## Purple (North) Session 60 08:30 - 10:30

### Symposium: New developments in respiratory physiotherapy and pulmonary rehabilitation

Impact of non-respiratory symptoms (pain and fatigue) and impaired postural control on physical function in chronic respiratory disease: an update on diagnostic tests and rehabilitative treatment options

**Aims :** The audience will gain insights into the impact of non-respiratory symptoms (pain and fatigue) on physical function in chronic respiratory disease. The relationship between respiratory muscle function, postural control, and symptoms of back pain in patients with chronic respiratory disease will be discussed. A variety of functional assessment methods (including balance tests) and their responsiveness to rehabilitative interventions will be described. The scientific background and rationale for four different innovative exercise modalities will be described. This session is meant to be of high practical use. After this session, the audience should be able to implement the insights that are presented directly into their daily practice with patients.

**Tag(s) :** Clinical

**Target audience :** Allied health professional, General practitioner, Junior member, Occupational therapist, Patient, Physiologist, Physiotherapist, Pulmonologist, Researcher, Scientist, Student, Trainee

**Chairs :** Chris Burtin (Diepenbeek, Belgium), Jennifer Alison (Killara, Australia)

08:30	<b>Patient testimonial</b> Dominique Hamerlijck (Amsterdam, Netherlands)	266
08:42	<b>How pain, dyspnoea, and fatigue interfere with the daily living and physical performance of people with COPD</b> Wendy Darlene Reid (Vancouver, Canada)	267
09:09	<b>The diaphragm, postural control, and low back pain in patients with COPD</b> Paul Hodges (Brisbane, QLD, Australia)	268
09:36	<b>Assessing the impact of pulmonary rehabilitation on functional status and postural control</b> William Man (Harefield, United Kingdom)	269
10:03	<b>Innovative exercise modalities in COPD</b> Rainer Gloeckl (Schoenau am Koenigssee, Germany)	270

## Red (North) Session 61 08:30 - 10:30

### Hot topics: The circadian molecular clock in respiratory diseases and associated interventions

**Aims :** This hot topic symposium will disseminate recent advances in circadian biology/molecular clock that have implications for the pathogenesis and treatments of lung disease, asthma/COPD exacerbations, infections, critical illness and disorders of sleep.

**Track(s) :** Acute and chronic respiratory failure/sleep Chronic airway diseases

**Tag(s) :** Basic translational science

**Target audience :** Sleep specialist/technologist, Clinician, Researcher

**Chairs :** Jan A. Hedner (Gothenburg, Sweden), Hannah Durrington (Manchester, United Kingdom)

08:30	<b>The lung epithelial clock and its role in lung inflammation</b> David Ray (Manchester, United Kingdom)	271
09:00	<b>Sleep disorders/disruption and circadian rhythm - molecular clock</b> Henrik Oster (Lübeck, Germany)	272
09:30	<b>Influenza virus mediated molecular clock disruption in COPD pathobiology and exacerbations</b> Irfan Rahman (Rochester, United States of America)	273
10:00	<b>Circadian molecular clock and immune system in asthma exacerbations</b> Jeffrey Haspel (St. Louis, United States of America)	275

## Space 1 + 2 (South) Session 62 08:30 - 10:30

### Oral Presentation: Novel mechanisms and treatments for asthma

**Chairs :** Leif Bjermer (Lund, Sweden)

OA276	<b>Late Breaking Abstract - The duration of anti-inflammatory action of fluticasone furoate (FF) assessed via exhaled nitric oxide (FeNO) in asthmatics following administration of FF/vilanterol (VI).</b> Peter Daley-Yates (Greenford, United Kingdom), Amanda Baines, Kylie Riddell, Shashidhar Joshi, Philippe Jean Bareille, George Bardsley, Richard Beasley, James Fingleton
OA277	<b>A randomized trial of AZD7594 a novel non-steroidal anti-inflammatory drug in asthma patients</b> Ajay Aggarwal (Wellesley, United States of America), Mary Brown, Rainard Fuhr, Hong-Lin Su, Yingxue Chen, Henrik Forsman, Helen Jackson
OA278	<b>Molecular evidence of Group 1 innate lymphoid cell activation in the U-BIOPRED cohort</b> Stelios Pavlidis (London, United Kingdom), Yike Guo, Kai Sun, Christos Rossios, Anthony Rowe, Matt Loza, Frederic Baribaud, Urju Hoda, Ana Sousa, Julie Corfield, Ratko Djukanovic, Peter J. Sterk, Ian Adcock, Fan Chung, Charles Auffray

- OA279 MUC5AC expression decrease correlates with the decline in rates of severe asthma exacerbations post bronchial thermoplasty**  
Jamila Chakir (Québec, QC, Canada), Ikhlass Haj Salem, Delphine Gras, Philippe Joubert, Louis-Philippe Boulet, Sophie Plante, Sabrina Biardel, Noel Lampron, simon Martel, Pascal Chanez, Michel Laviolette
- OA280 Pharmacological characterization of CHF6162, a novel long acting inhaled corticosteroid for the treatment of asthma**  
Gessica Marchini (Parma, Italy), Chiara Carnini, Valentina Cenacchi, Paola Caruso, Anna Rita Pisano, Annalisa Murgo, Eleonora Ghidini, Anna Maria Capelli, Maurizio Civelli, Gino Villetti, Fabrizio Facchinetti, Riccardo Patacchini
- OA281 Pharmacological properties of novel LTC4 synthase inhibitor**  
Pernilla Glader (Mölnådal, Sweden), Fanyi Jiang, Ann Aurell Holmberg, Corinne Hamblet, Eva Lamm Bergström, Kristensson Lisbeth, Fredrik Wågberg, Anders Lundqvist, Linda Swedin, Mattias Rohman, Johanna Vinblad, Britt-Marie Wissing, Theresa Andreasson, Louise Hafsten, Henrik Bergquist, Magnus Munck af Rosenschöld, Andy Davis
- OA282 Nicotinic alpha-7 receptor stimulation (  $\alpha 7$ nAChR) inhibited NF- $\kappa$ B/STAT3/SOCS3 pathways in a murine model of asthma.**  
Fernanda Paula Roncon Santana (Diadema, Brazil), Sergio Festa Tomari, Claudia Jeane Claudino de Pontes Miranda, Nathália Montouro Pinheiro, Luciana Chagas Caperuto, Iolanda de Fátima Lopes Calvo Tibério, Marco Antônio Maximo Prado, Milton de Arruda Martins, Vânia Ferreira Prado, Carla Maximo Prado
- OA283 Fevipiprant reduces airway smooth muscle mass in asthmatics via PGD2 receptor antagonism**  
Ruth Saunders (Leicester, United Kingdom), Himanshu Kaul, Rachid Berair, Amisha Singapuri, Igor Chernyavsky, Latifa Chachi, Michael Biddle, Amanda Sutcliffe, Marie Laurencin, Gerald Bacher, Michelle Bourne, Ian D. Pavord, Andrew J. Wardlaw, Salman H. Siddiqui, Richard Kay, Bindi S. Brook, Rod Smallwood, Chris E. Brightling

## Space 3 + 4 (South)

## Session 63

08:30 - 10:30

## Oral Presentation: New Mechanistic Findings in COPD

Chairs : H. Irene Heijink (Groningen, Netherlands), Mark Gjomarkaj (Palermo, PA, Italy)

- OA284 Late Breaking Abstract - 17-oxo-DHA inhibits the NLRP3 inflammasome downstream of mitochondrial ROS and ERK pathway**  
Chiara Cipollina (Palermo, Italy), Serena Di Vincenzo, Doriana Lo Piparo, Elisabetta Pace
- OA285 Role of lamin B1 in COPD pathogenesis**  
Nayuta Saito (Tokyo, Japan), Jun Araya, Saburo Ito, Tsukasa Kadota, Masahiro Yoshida, Akihiro Ichikawa, Yusuke Kurita, Kazuya Tsubouchi, Nahoko Sato, Kenji Kobayashi, Shunsuke Minagawa, Hiromochi Hara, Hironori Kawamoto, Akihiko Ito, Hirofumi Utsumi, Haruhiko Yanagisama, Mitsuo Hashimoto, Hiroshi Wakui, Takeo Ishikawa, Takanori Numata, Yumi Kaneko, Katsutoshi Nakayama, Kazuyoshi Kuwano
- OA286 Human rhinovirus 16 infection of human macrophages significantly impairs their phagocytic and regulatory functions: implications in understanding chronic inflammatory lung disease**  
Jamil Jubrail (Paris, France), Kshanti Africano Gomez, Pierre Regis Burgel, Gaell Mayer, Nisha Kurian, Florence Niedergang
- OA287 RNA-binding protein HuR inhibits the expression of sirtuin-1 in patients with COPD**  
Jonathan R. Baker (London, United Kingdom), Chaitanya Vuppusetty, Kazuhiro Ito, Peter Barnes, Kizawa Yasuo
- OA288 Alpha-1 antitrypsin (AAT) polymerization in alveolar macrophages of AAT deficient individuals and in smokers.**  
Erica Bazzan (Padova, PD, Italy), Mariaenrica Tinè, Riccardo Benetti, Elena Miranda, Davide Biondini, Graziella Turato, Chiara Rigobello, Manuela Sgambato, Federico Rea, Fiorella Calabrese, Simonetta Baraldo, David A Lomas, Marina Saetta, Manuel G Cosio
- OA289 MicroRNA-34a drives small airway fibroblast cellular senescence in COPD**  
Catherine Wrench (London, United Kingdom), Jonathan Baker, Peter Fenwick, Louise Donnelly, Peter Barnes
- OA290 Bromodomain And Extra-Terminal (BET) proteins regulate metabolic and redox function in COPD airway smooth muscle cells**  
Charalambos Michaeloudes (London, United Kingdom), Sharon Mumby, Kian Fan Chung, Ian Adcock
- OA291 2D cross-omics integrated enrichment analysis reveals insights into COPD pathogenesis**  
Julian Dorer (Neuherberg, München, Germany), Thomas M Conlon, Jörg Bartel, Martina Häckl, Fabian J. Theis, Oliver Eickelberg, Ali Önder Yildirim, Jan Krumsiek

## Pink (South)

## Session 64

08:30 - 10:30

## Oral Presentation: Pleural disease and mesothelioma: from the bench to the bedside

Chairs : Marios E. Froudarakis (Alexandroupolis, Greece), Kevin Blyth (Glasgow, United Kingdom)

OA292	<b>Late Breaking Abstract - Prognostic and therapeutic markers of malignant pleural effusion – The PROMISE study</b> Ioannis Psallidas (Oxford, United Kingdom), Nikolaos Kanellakis, Marie Thezenas, Phil Charles, Anastasia Samsonova, Herbert Schiller, Rachelle Aschiak, Rob Hallifax, Rachel Mercher, Benedikt Kessler, Gary Collins, Stephen Gerry, Najib Rahman
OA293	<b>LSC - 2017 - KRAS &amp; TP53 mutations cause malignant mesothelioma</b> Anthi Krontira (Patras, Greece), Antonia Marazioti, Malamati Vreka, Marianthi Iliopoulou, Ioannis Lilis, Georgia Giotopoulou, Magda Spella, Helen Petrou, Georgios Stathopoulos
OA294	<b>The role of conservative management in traumatic pneumothoraces: an observational study</b> Steven Walker (BRISTOL, United Kingdom), Shaney Barratt, Nick Maskell, Julian Thompson
OA295	<b>Imaging more frequently drives decision to increase treatment in pleural infection than clinical condition</b> Candice Wilshire (Seattle, United States of America), Carson Fuller, Christopher R. Gilbert, Brian E. Louie, Ralph W. Aye, Alexander S. Farivar, Eric Eric Vallières, Jed Gorden
OA296	<b>Ultrasonographic predictors of spontaneous pleurodesis in malignant pleural effusion with pleural tunnelled catheters</b> Erick Joel Rendon Ramirez (Monterrey, N.L., Mexico), Erick Joel Rendón Ramírez, Hector Cedillo, Erick Renpenning, Juan Francisco Gonzalez, Claudia Paola Rivera, Roberto Mercado, Perla Rocio Colunga, Jose Felipe Villegas, Erika Cristina Cazares
OA297	<b>A prospective study using serum mesothelin to monitor mesothelioma.</b> David Arnold (Bristol, United Kingdom), David Arnold, Duneesha de Fonseka, Louise Stadon, Emma Keenan, Lynne Armstrong, Nick Maskell, Michael Darby
OA298	<b>BAP1 expression and treatment outcomes in malignant mesothelioma.</b> Neelam Kumar (London, United Kingdom), Krishna Kolluri, Elizabeth Sage, Elaine Borg, Mary Falzon, Andrew Nicholson, Sam Janes
OA299	<b>MTH-1 inhibition retards mesothelioma progression</b> Sophia Magkouta (ATHENS, Greece), Apostolos Pappas, Chrysavgi Kosti, Marianthi Iliopoulou, Katherina Psarra, Ioannis Kalomenidis

## Brown 1 + 2 (South) Session 65 08:30 - 10:30

### Oral Presentation: New insights into acute critical care

**Chairs :** Cesare Gregoretti (Turin, Italy), Ezgi Özyilmaz (Adana, Turkey)

OA300	<b>Angiotensin-(1-7) effects in a rat model of ventilator-induced diaphragmatic dysfunction (VIDD)</b> Vanessa Zambelli (Monza, Italy), Laura Rizzi, Letizia Zucca, Anna Sigurtà, Paolo Delvecchio, Elena Bresciani, Antonio Biagio Torsello, Giacomo Bellani
OA301	<b>Differential regulation of skeletal muscle myofilament protein expression in sepsis</b> Sabah Hussain (Montréal, QC, Canada), Vanessa Moarbes, Philippe Leblanc, Laurent Huck, Anna Perez, Flavia Stana, Dominique Mayaki
OA302	<b>Electrical Impedance Tomography for the assessment of spontaneous breathing trials in patients with prolonged weaning</b> Michael Dreher (Aachen, Germany), Christian Cornelissen, Johannes Bickenbach, Michael Czaplak
OA303	<b>Variability of tidal volume in assisted mechanical ventilation in ARDS: a bench study</b> Sophie Perinel Ragey (Cellieu, France), Loredana Baboi, Claude Guerin
OA304	<b>Small airway closure studied in vivo by synchrotron CT imaging in injured lung</b> Ludovic Broche (Uppsala, Sweden), Pauline Pisa, Luca Fardin, Gaetano Perchiazzi, Liisa Porra, Angela Tannoia, Mariangela Pelligrini, Savino Derosa, Alessandra Sindaco, Göran Hedenstierna, Anders Larsson, Sam Bayat, João Batista Borges
OA305	<b>Laryngeal ultrasound as a bedside tool in detecting post-extubation stridor in patients with respiratory illness</b> Lamia Shaaban (Assiut, Egypt), Ashraf Zin, Shereen Farghaly, Hosam Glal Eldein, Maiada Kamal
OA306	<b>PEEP's effect on Energy Load in obese, ARDS and control patients</b> Mariateresa Guanziroli (milan, Italy), Davide Chiumello, Miriam Gotti, Antonella Marino, Massimo Cressoni, Chiara Chiurazzi, Luciano Gattinoni

## Yellow (North) Session 66 08:30 - 10:30

**Oral Presentation: Best abstracts in pulmonary rehabilitation and chronic care**  
(grants sponsored by INVACARE)

**Chairs :** Ioannis Vogiatzis (Athens, Greece), Frits M.E. Franssen (Horn, Netherlands)

<b>OA307</b>	<b>The effects of pulmonary rehabilitation in patients with non-cystic fibrosis bronchiectasis- A randomised controlled trial</b> Rohit Kumar (Delhi (New Delhi), India), Randeep Guleria, Gopi Chand Khilnani, Anant Mohan, Karan Madan, Vijay Hadda, R. M. Pandey
<b>OA308</b>	<b>Unsupervised home-based versus supervised outpatient pulmonary rehabilitation (PR) in COPD: a propensity-matched, non-inferiority analysis</b> Djeja P Kaliraju (Uxbridge, United Kingdom), William D-C Man, Claire M Nolan, Suhani Patel, Ruth E Barker
<b>OA309</b>	<b>Relationship between stair climbing test and locomotor parameters after Pulmonary Rehabilitation</b> Patricia Coertjens (Porto Alegre, Brazil), Marcelo Coertjens, Hugo Goulart de Oliveira, Marli Maria Knorst, Leonardo Alexandre Peyré-Tartaruga
<b>OA310</b>	<b>Effect of high intensity interval exercise rehabilitation in cystic fibrosis</b> Georgios Kaltsakas (Athens, Greece), Nikolaos Anastasopoulos, Nikolaos Chynkiamis , Pinielopi Zeliou, Vasiliki Karapatoucha, Konstantinos Kotsifas, Filia Diamantea , Ilias Inglezos, Nickolaos G. Koulouris, Ioannis Vogiatzis
<b>OA311</b>	<b>Response to pulmonary rehabilitation (PR) in bronchiectasis and COPD: a propensity matched analysis</b> Aaron Cole (Harefield, United Kingdom), Claire M Nolan, Suhani Patel, Ruth E Barker, William D-C Man
<b>OA312</b>	<b>Cerebral cortex blood flow response to exercise in COPD patients with and without cognitive impairment</b> Vasileios Andrianopoulos (Schönau a. Königssee, Germany), Ioannis Vogiatzis, Rainer Gloeckl, Robert Bals, Klaus Kenn
<b>OA313</b>	<b>Effects of mean pulmonary arterial pressure and supplemental oxygen on exercise capacity in IPF patients with exercise-induced hypoxemia</b> Shinichi Arizono (Hamamatsu/Shizuoka, Japan), Hiroyuki Taniguchi, Yasuhiro Kondoh, Tomoki Kimura, Kensuke Kataoka, Taiki Furukawa , Tomoya Ogawa, Fumiko Watanabe, Ryo Kozu

### Brown 3 (South)

### Session 67

08:30 - 10:30

#### Oral Presentation: Asthma and ACOS: predictors and clinical characteristics

**Tag(s) :** Smoking prevention and cessation (HL1L)

**Chairs :** Anne Lindberg (Boden, Sweden), Giovanni Viegi (Pisa, PI, Italy)

<b>OA314</b>	<b>Late Breaking Abstract - Cluster analysis of treatable traits in the U-BIOPRED adult severe asthma cohort</b> Andrew Simpson (Manchester, United Kingdom), Pieter-Paul Hekking, Dominick Shaw, John Riley, Ana Sousa, Louise Fleming, Graham Roberts, Aruna Bansal, Scott Wagers, Ratko Djukanovic, Per Bakke, Florian Singer, Ildiko Horvath, Massimo Caruso, Norbert Krug, Pascal Chanez, Jacek Musial, Sven-Erik Dahlen, Jorgen Vestbo, Kian Fan Chung, Peter Sterk, Stephen Fowler, Thomas Sandstrom, Paolo Montuschi
<b>OA315</b>	<b>Parental asthma and the risk of early-onset transient, early-onset persistent, and late-onset asthma in the offspring</b> Xiaoqin Liu (Aarhus, Denmark), Vivi Schläunssen
<b>OA316</b>	<b>Characteristics of adult onset vs. late onset asthma - a multinational database cohort study</b> Katia Mc Verhamme (Rotterdam, Netherlands), Marjolein Engelkes, Maria de Ridder, Elisabeth Svensson, Klara Klara Berencsi, Daniel Prieto-Alhambra, Francesco Lapi, Carlo Giaquinto, Gino Picelli, Nada Boudiaf, Frank Albers, Sarah M. Cockle, Eric Bradford, Melissa K. Van Dyke, Peter Rijnbeek, Guy Brusselle, Miriam Sturkenboom, Esmé Baan
<b>OA317</b>	<b>Asthma and COPD overlap syndrome (ACOS) is related to a high burden of sleep disturbance and respiratory symptoms: results from the RHINE and Swedish GA2LEN surveys.</b> Stephanie Mindus (Stockholm, Sweden), Andrei Malinowski, Linda Ekerljung, Bertil Forsberg, Thorarinn Gislason, Rain Jögi, Eva Lindberg, Karl A Franklin, Mathias Holm, Ane Johannessen, Roelinde Middelveld, Vivi Schläunssen, Cecilie Svanes, Kjell Torén, Christer Janson
<b>OA318</b>	<b>Determinants of incident asthma-COPD overlap compared to asthma and COPD alone: A prospective study of 55,110 middle-aged adults</b> Charlotte Suppli Ulrik (Virum, Denmark), Camilla Boslev Baaarnes, Zorana J Andersen, Kim Overvad, Anne Tjønneland
<b>OA319</b>	<b>Ten years evolution of cluster-based asthma phenotypes</b> Valerie Siroux (La Tronche, France), Anne Boudier, Sebastien Chanoine, Simone Accordini, Josep M Anto, Xavier Basagagna, Jean Bousquet, Pascal Demoly, Judith Garcia-Aymerich, Frederic Gormand, Joachim Heinrich, Christer Janson, Nino Kunzli, Régis Matran, Christophe Pison, Chantal Raheison, Jordi Sunyer, Raphaëlle Varraso, Deborah Jarvis, Bénédicte Leynaert, Isabelle Pin
<b>OA320</b>	<b>Blood eosinophils and lung function decline in young adults.</b> Robert Hancox (Dunedin, New Zealand), Ian Pavord, Malcolm Sears

**OA321 Oral microbiome and associations with chemical exposure, asthma and lung function**  
Randi Bertelsen (Bergen, Norway), Tamar Ringel-Kulka, Shyamal Peddada, Abhishek Kaul, Francisco G. Real, Cecilie Svanes

**Amber 1 + 2 (South) Session 68 08:30 - 10:30**

**Poster Discussion: Risk factors: symptomatology and diagnostic approaches for obstructive sleep apnoea**

**Chairs :** Josep Maria Montserrat Canal (VALENCIA, Spain), Walter McNicholas (Dublin, Ireland)

**PA322 Late Breaking Abstract - Effect of custom made vs thermoplastic heat-molded mandibular advancement devices (MADs) for Obstructive Sleep Apnea (OSA): A randomized non-inferiority trial**  
Jean-Louis Pépin (Grenoble, France), Thibault VINCENT, Nathalie Raymond, Olivier Lacaze, Nathalie Aisenberg, Jérôme Forcioli, Eric Bonte, Arnaud Bourdin, Sandrine Launois, Renaud Tamisier, Nicolas Molinari

**PA323 Late Breaking Abstract - Effectiveness of multimodal remote patient monitoring at CPAP initiation in Obstructive Sleep Apnea (OSA) with high cardiovascular risk: A randomized trial**  
Jean-Louis Pépin (Grenoble, France), Marc Sapène, Meriem Benmerad, Sébastien Bailly, Yves Grillet, Bruno Stach, Philippe Richard, Jean François Muir, Renaud Tamisier

**PA324 Genetic relationship between obstructive sleep apnea and lumbar disc degeneration: results from a twin study.**  
Ádám Domonkos Tárnoki (Budapest, Hungary), Ádám Domonkos Tárnoki, David Laszlo Tárnoki, Daniel Tamas Kovacs, Bianka Forgo, Marcell Szily, Marina De Barros Pinheiro, Paulo Ferreira, Laszlo Kostyal, Csaba Olah, Laszlo Kunos, Andras Bikov

**PA325 Obstructive sleep apnea, cardiometabolic risk, and levels of physical activity in Chilean adults**  
Juan Carrillo (SANTIAGO, Chile), Sandra Mahecha-Matsudo, Guillermo Droppelmann, Fernando Yañez, Patricia Fernández, Ariel Cisternas, Maria Belen Fernandez

**PA326 Obstructive Sleep Apnoea is a Pulmonary Embolism severity risk factor.**  
Núria Toledo Pons (PALMA DE MALLORCA, Spain), Maria Cerdà, Alberto Alonso-Fernández, José María Sanchez-Raga, Angela García Suquía, Mónica De la Peña, Raquel Casitas, Javier Pierola, María Paloma Giménez, Miguel Carrera, Antonia Barceló, Joan Soriano, Margarita Bosch, Catalina Gutiérrez, Concepción Piñas, Carmen Fernández-Capitán, Alicia Lorenzo, Francisco García-Río, Juan Andrés Mejía Núñez

**PA327 Prevalence and characteristics of insomnia phenotype in mild sleep apnoea patients from the ESADA study population.**  
Izolde Bouloukaki (Heraklion, Crete, Greece), Paschalis Steiropoulos, Maria Bonsignore, Jan Hedner, Athanasia Pataka, Ludger Grote, Oreste Marrone, Johan Verbraecken, Ozen Basoglu, Carlo Lombardi, Sophia Schiza

**PA328 Association between sleep disordered breathing and objective sleep duration: the Nagahama study**  
Takeshi Matsumoto (Kyoto, Japan), Kimihiko Murase, Yasuharu Tabara, Takuma Minami, Ryo Tachikawa, Kiminobu Tanizawa, Morito Inouchi, Toru Oga, Shunsuke Nagashima, Tomoko Wakamura, Naoko Komenami, Kazuya Setoh, Takahisa Kawaguchi, Yoshimitsu Takahashi, Takeo Nakayama, Toyohiro Hirai, Fumihiko Matsuda, Kazuo Chin

**PA329 Validation of the OSA50 questionnaire among patients referred for suspected obstructive sleep apnea**  
Teresa Pequito (Charneca de Caparica, Portugal), Marco Pereira, Ana Cristina Lutas, João Valença, Mónica Grafino, Richard Staats, Sofia Furtado

**PA330 Minimum clinically important difference of the Epworth Sleepiness Scale**  
Suhani Patel (Harefield, United Kingdom), Samantha SC Kon, Claire M Nolan, Anita K Simonds, Mary J Morrell, William D-C Man, Ruth E Barker

**PA331 The NoSAS score as screening tool for obstructive sleep apnea syndrome in depressive disorder.**  
Kelly Guichard (Bordeaux, France), Helena Marti-Soler, Martin Preisig, José Haba-Rubio, Raphael Heinzer

**PA332 Development and validation of the Maugeri Sleep Quality and Distress Inventory (MaSQDI-17)**  
Elisa Morrone (Pavia, Italy), Cinzia Sguazzin, Giorgio Bertolotti, Andrea Giordano, Ines Giorgi

**PA333 High negative predictive value of BMI for obstructive sleep apnea in the lateral sleeping position**  
Agata Gabrylska (Gdansk, Poland), Lukasz Mokros, Lukasz Franczak, Wojciech Kuczynski, Aneta Gruchala, Aleksandra Debicka, Jakub Spalka, Magdalena Oset, Karolina Wisniewska, Kacper Reszka, Piotr Bialasiewicz

**PA334 Validation of ASA scoring algorithm for perioperative risk of complications from OSA**  
Vladimir Macavei (London, United Kingdom), Lily Dimitrov, Sarah Stewart, Jelka Mitic, Otto Mohr, Terry O' Shaughnessy

- PA335 Validation of apneas and hypopneas detection by an implantable cardioverter defibrillator impedance-based respiration sensor: AIRLESS study**  
Jean-Louis Pépin (Grenoble, France), Jean-Louis Pépin, Renaud Tamisier, Peggy Jacon, Sandrine Venier, Nathalie Arnol, Pascal Defaye
- PA336 Are patients referred for sleep studies similar in different parts of Europe?>**  
Tarja Saaresranta (Littainen, Finland), Ingo Fietze, Ludger Grote, Renata Riha, Silke Ryan, Richard Staats, Jan Hedner, Ulla Anttalainen
- PA337 Quality review of a polygraphy service**  
James Stockley (Birmingham, United Kingdom), Jodie Hunt, Liam O'Reilly, Judith Savage, Maxine Jones, Geljit Johal, Stephanie Gunn, Tasmin Sharley, Harry Griffin, Brendan Cooper

## Amber 3 + 4 (South)

## Session 69

08:30 - 10:30

**Poster Discussion: Anti-inflammatory and pro-repair mediators in acute lung injury**

Chairs : Gunilla Westergren-Thorsson (Lund, Sweden), Olivier Burgy (Aurora, United States of America)

- PA338 Late Breaking Abstract - Endothelial Cell-Specific Anticoagulation Reduces Inflammation in a Mouse Model of ALI**  
Jian Lou (, China), Songmin Ying, Zhihua Chen, Wen Li, Daxin Chen, Anthony Dorling, Huahao Shen
- PA339 Coagulation factor XII regulates inflammatory responses in human lungs**  
Malgorzata Wygrecka (Giessen, Germany), Rosanna Hess, Lukasz Wujak, Christina Hesse, Katherina Sewald, Steven De Maat, Coen Maas, Francesco Bonella, Klaus T. Preissner, Philipp Markart
- PA340 Novel protective role of alveolar macrophages in adaptation to lung injury.**  
Benoit Allard (TALENCE, France), Alice Panariti, Erwan Pernet, Jeffrey Downey, Satoshi Ano, Marieme Dembele, William S Powell, Maziar Divangahi, James G Martin
- PA341 Effects of hypercapnic acidosis on the primary cells relevant to ARDS pathophysiology and the therapeutic potential of mesenchymal stem cells**  
Nicola Fergie (Belfast, United Kingdom), Danny McAuley, Cecilia O'Kane, Anna Krasnodembskaya
- PA342 Tim-3 regulates Tregs' ability to resolve the inflammation and proliferation of acute lung injury by polarizing M2c macrophages**  
Lunxian Tang (Shanghai, China), Yanli Yan, Jianwen Bai
- PA343 Lung-derived mesenchymal stem cells induce the secretion of hepatocyte growth factor in fibroblasts**  
Katrin Esther Hostettler (Basel, Switzerland), Amiq Gazdhar, Petra Khan, Spasenija Savic, Didier Lardinois, Michael Roth, Michael Tamm, Thomas Geiser
- PA344 Neither P-selectin nor PSGL-1 are critical for lung platelet accumulation following LPS inhalation**  
Simon Cleary (London, United Kingdom), Stephanie Arnold, Carl Hobbs, Clive Page, Simon Pitchford
- PA345 RAGE deficiency improves alveolar fluid clearance in LPS-induced acute lung injury by preventing downregulation of Na-K-ATPase and ENaC**  
Tao Wang (Chengdu, China), Hao Wang, Zhicheng Yuan, Fuqiang Wen
- PA346 Effects of anti-IL17 on acute lung injury induced by LPS in mice**  
Renato Fraga Righetti (Sao Paulo/Sp, Brazil), Tabata Maruyama dos Santos, Leandro do Nascimento Camargo, Luciana Ritha de Cássia Rolim Barbosa Aristóteles, Silvia Fukuzaki, Flávia Castro Ribas de Souza, Maysa Mariana Cruz, Maria Isabel Cardoso Alonso-Vale, Beatriz Manguiera Saraiva-Romanholo, Edna Aparecida Leick, Milton de Arruda Martins, Carla Máximo Prado, Iolanda de Fátima Lopes Calvo Tibério
- PA347 Inhibition of neutrophil elastase contributes to attenuation of lipopolysaccharide-induced acute lung injury during neutropenia recovery in mice**  
Jin Woo Kim (Uijeongbu, Republic of Korea), Hyun Hee Kang, Yong Hyun Kim
- PA348 Role of alveolar macrophages in acute lung injury model**  
Marta Camprubí-Rimblas (Molins de Rei, Spain), Marta Camprubí-Rimblas, Raquel Guillamat-Prats, Neus Tantinyà, Josep Bringué, M<sup>a</sup> Nieves Gómez, Antonio Artigas
- PA349 The effects of tpl2 inhibition in Ventilator-induced lung injury**  
Nikolas Manitsopoulos (ATHENS, Greece), Vassilis Aidinis, Kostantinos Perreas, Stylianos Orfanos, Anastasia Kotanidou
- PA350 Ventilator-induced lung injury is aggravated by intestinal microbiome disruption in mice**  
Sandra-Maria Wienhold (Berlin, Germany), Mario Macri, Geraldine Nouailles, Bastian Opitz, Kristina Dietert, Achim Dieter Gruber, Norbert Suttorp, Holger Müller-Redetzky, Martin Witzenzrath, Markus M Heimesaat

**PA351 The circadian rhythm regulates the severity of ventilator-induced lung injury**  
Matthias Felten (Berlin, Germany), Luiz Gustavo Teixeira-Alves, Catherine Chaput, Eleftheria Letsiou, Holger Müller-Redetzky, Norbert Suttorp, Martin Witzentrath

**PA352 The NS1A binding protein in alveolar epithelial cells as centerpiece of Influenza virus A lung injury mechanism mediated via AhR/Arnt signaling pathway**  
Irina Shur (Scarsdale, United States of America), Ilya Tsyrllov, Vladimir Roumak

**Amber 5 + 6 (South)****Session 70****08:30 - 10:30****Poster Discussion: Best clinical practice for the management of chronic lung diseases****Chairs :** Philippe Camus (Dijon, France), Michael Kreuter (Heidelberg, Germany)

**PA353 Phase angle by bioelectrical impedance vector analysis as predictor of prolonged hospital stay**  
Dulce Gonzalez-Islas (Mexico City, Mexico), Leslie Verdeja-Vendrell, Arturo Orea-Tejeda, Ana Grecia Navarrete-Penalosa, Rocio Sanchez-Santillan, Abril Jimenez-Cepeda, Guillermo Karey Perez-Cortes, Luis Felipe Castillo-Aguilar, Viridiana Pelaez-Hernandez, Francisco Figueroa-Herrera, Sonia Catalina Torres-Montiel, Bernardo Robles-Uribe, Rafael Hernandez-Zenteno

**PA354 Impact of fat mass on spirometric parameters and physical exercise tolerance in obese women**  
Khadija Ayed (Nabeul, Tunisia), Ines Gizani, Salma Mokaddem, Sana Ben Jemaa, Islem Bel Hadj Khalifa, Syrine Riahi, Dorra Elguiche, Saloua Ben Khamsa Jameleddine

**PA355 Airway inflammation in patients with chronic cough caused by gastroesophageal reflux**  
Jaromir Zatloukal (Olomouc, Czech Republic), Vitezslav Kolek

**PA356 Quality of life in patients with bronchiolitis obliterans**  
Emine Atag ( STANBUL, Turkey), Nilay Bas Ikizoglu, Pinar Ergenekon, Yasemin Gökdemir, Ela Erdem Eralp, Fazilet Karakoc, Refika Ersu, Bulent Karadag

**PA357 Impact of depression on patients with Idiopathic Pulmonary Fibrosis**  
Argyris Tzouveleakis (Athens, Greece), Sofia Kourtidou, Evangelos Bouros, Theodoros Karampitsakos, Chrisoula Antonou, Nikolaos Koulouris, Demosthenes Bouros

**PA358 Incidence of cancer in patients with IPF.A retrospective multicenter study**  
Argyris Tzouveleakis (Athens, Greece), Lykourgos Kolilekas, Evangelos Bouros, Thodoris Karampitsakos, Vasilios Tzilas, Asimina Gaga, Nikolaos Koulouris, Demosthenes Bouros, Rodoula Tringidou

**PA359 Lung involvement in patients with rheumatoid arthritis**  
Sermin Borekci (Istanbul, Turkey), Sermin Börekçi, Gizem Senkardesler, Ersan Atahan, Benan Musellim

**PA360 Timing of cardiac sarcoidosis in patients with sarcoidosis>**  
Oriana Salamo (Aventura, United States of America), Michael Schweitzer, Miguel Pardinias Gutierrez, Loula Asharhan, Michael Campos, Mehdi Mirsaedi, Rafael Calderon-Candelario

**PA361 Increased risk of sarcoidosis among breast cancer patients; Breast cancer – sarcoidosis syndrome**  
Oriana Salamo (Aventura, United States of America), Michael Schweitzer, Mehdi Mirsaedi, Gregory Holt, Elio Donna, Miguel Pardinias Gutierrez, Loula Asharhan

**PA362 Pulmonary lesions in patients with inflammatory bowel disease – the baseline and under anti-tumor necrosis factor therapy.**  
Sergejj Evgenievich Borisov (Moscow, Russian Federation), Ksenia Frolova

**PA363 The significance of addind rheumatological assessment to the multidisciplinary team in the diagnosis of interstitial lung disease.**  
Gali Epstein Shochet (Kfar-Saba, Israel), Lilach Israeli-Shani, Yair Levi, Michael Kuchuk, Matthew Koslow, David Shitrit

**PA365 The diagnostic role of pleural fluid and serum Pentraxin-3 levels in the determination of the etiology of pleural effusion**  
Fatma Çiftci (Ankara, Turkey), Fatma Çiftci, Gulden Bilgin, Ayse Naz Ozcan, Ozlem Dogan, Aycan Yuksel, Serhat Erol, Aydin Ciledag, Akin Kaya

**PA367 Obstructive sleep apnea and cardiovascular risk in Chinese population: a Meta-analysis**  
Jingying Ye (Beijing, China), Jingjing Li, Jinkun Xu, Guoping Yin, Siyan Zhan

**PA368 Role of angiotensin receptors in the preclinical cardiovascular risk in obstructive sleep apnea patients**  
Sadaf Want (Dublin, United States of America), Rami Khayat, Kyle Porter, Angela Sow, David Jarjoura, Jay Zweier

**PA369 Underestimation of bronchial obstruction in patients with coronary heart disease and cardiac insufficiency**  
Alona Riazhska (Kyiv, Ukraine), Liudmyla Shvayko



**PA370** **Diaphragm Dysfunction in Patients with Stable Myasthenia Gravis and Myastenic Crisis**  
Aylin Pihtili (Konya, Turkey), Zuleyha Bingol, Gulfer Okumus, Esen Kiyan

Amber 7 + 8 (South)

Session 71

08:30 - 10:30

**Poster Discussion: Novel molecular and genetic targets in COPD**

Chairs : Sukhwinder Singh Sohal (Launceston, TAS, Australia), Isabelle Vachier (Montpellier, France)

**PA371** **Late Breaking Abstract - Role of HIF2a oxygen sensing pathway in bronchial epithelium biology**  
María del Mar Torres-Capelli (Madrid, Spain), Glenn Marsboom, Qilong Oscar Yang Li, Daniel Tello, Florinda Melendez Rodriguez, German Peces Barba, Francisco Garcia-Rio, Julián Aragonés, Julio Ancochea, Tamara Alonso

**PA372** **Late Breaking Abstract - Functional investigation of the corticosteroid resistance candidate FKBP5 using a CRISPR-Cas9 knockout model**  
Alen Faiz (Groningen, Netherlands), Marissa Wisman, Pieter S. Hiemstra, Wim Timens, Prescott Woodruff, Stephanie Christenson, Maarten Van Den Berge, Irene H. Heijink, Gerard H Koppelman

**PA373** **Does urinary peptide content differ between COPD patients with and without inherited alpha1-antitrypsin deficiency?**  
Joanna Chorostowska-Wynimko (Warszawa, Poland), Alfonso Carleo, Thomas Koeck, Mateusz Florczuk, Harald Mischak, Ma gorzata Czajkowska-Malinowska, Adriana Rozy, Tobias Welte, Sabina Janciauskiene

**PA374** **Transcriptomic and epigenetic changes in the lung of patients with severe COPD**  
Maria Rosa Faner Canet (Barcelona, Spain), Guillaume Noell, Alejandra López-Giraldo, Maria Pilar Armengol, Alvar Agusti

**PA375** **Non-targeted integrative multi-omics approaches on sputum reveal potential diagnostic and monitoring biomarkers for respiratory diseases**  
Luis Mur (Aberystwyth, United Kingdom), Adrian Mironas, Rachel Paes , Keiron O'Shea, Keir Lewis

**PA376** **PARK2-regulated mitophagy in COPD pathogenesis**  
Nahoko Sato (Kumamoto, Japan), Kazuya Tsubouchi, Jun Araya, Shunsuke Minagawa, Hiromichi Hara, Nayuta Saito, Masahiro Yoshida, Yusuke Kurita, Kenji Kobayashi, Saburo Ito, Takeo Ishikawa, Takanori Numata, Yumi Kaneko, Katsutoshi Nakayama, Hirotsugu Kohrogi, Kazuyoshi Kuwano

**PA377** **Dual-phenotype mouse model of COPD study suggest combined therapy targeting G-CSF and IL-17A could treat COPD.**  
Wei Loon Lau (Melbourne, VIC, Australia), Evelyn Tsantiskos , Gary Anderson, margaret hibbs

**PA378** **The microbiome of COPD in protected, bronchoscopic airway samples**  
Rune Grønseth (Morvik, Norway), Rune Grønseth, Christine Drengenes, Harald Wiker, Per Bakke, Ingvild Haaland, Tomas Eagan

**PA379** **Type 2 diabetes-related “pulmonary insulin resistance” as a novel mechanism that complicates COPD phenotypes in mice**  
Hirofumi Nohara (kumamoto, Japan), Shunsuke Kamei, Haruka Fujikawa, Ryunosuke Nakashima, Kasumi Maruta, Taisei Kawakami, Mary Ann Suico, Naomi Nakagata, Junji Saruwatari, Hirofumi Kai, Tsuyoshi Shuto

**PA380** **Serum neopterin and IL-6 as biomarkers in patients with COPD.**  
Yanitsa Zhelyazkova (Stara Zagora, Bulgaria), Tanya Tacheva, Donika Ivanova, Dimo Dimov, Gospodinka Prakova, Tatyana Vlaykova

**PA382** **Telomere shortening and oxidative stress in patients with COPD**  
Elizabeth Cordoba-Lanus (Santa Cruz De Tenerife, Spain), Sara Cazorla-Rivero, Adriana Espinoza-Jimenez, Pedro Abreu, Delia González-Almeida, Armando Aguirre-Jaime, Bartolomé Celli, Ciro Casanova

**PA383** **Integration at the network- and pathway level of multi-omics data from multiple anatomical locations facilitate COPD sub-phenotyping in small cohorts**  
Asa Wheelock (Stockholm, Sweden), Vincenzo Lagani, Chuan-xing Li

**PA384** **Increased fatty acid oxidation impairs myoblast differentiation in hypercapnia**  
Jacob Iasha Sznajder (Chicago, United States of America), Emilia Lecuona, Ermelinda Ceco, Samuel Weinberg, Masahiko Shigemura, Lynn Welch, Diego Celli, Lena Volpe, Navdeep Chandel

**PA385** **Exome sequencing in diseased and healthy subjects with -1 antitrypsin deficiency**  
Chiara Rigobello (Padova, Italy), Simonetta Baraldo, Maria Enrica Tinè, Iliaria Ferrarotti, Angelo Corsico, Davide Biondini, Donato Lacedonia, Giovanna Elisiana Carpagnano, Maria Pia Foschino Barbaro, Giorgio Valle, Marina Saetta, Manuel Cosio

**PA386** **Transforming growth factor alpha produces airway remodelling and reduces airway distensibility**  
Kimberley Wang (Southern River, Australia), Timothy Le Cras, Alexander Larcombe, Graeme Zosky, Alan James, Peter Noble

**PA387** **Comparison of HSP mRNA relative levels in sputum of COPD patients and subjects exposed to wood smoke and/or cigarette smoke.**  
Ramces Falfán Valencia (Mexico, Mexico), Enrique Ambrocio Ortiz, Alejandra Ramírez-Venegas, Gloria Pérez-Rubio, Ma. Elena Ramírez-Díaz, Filiberto Cruz-Vicente, Adrián Aranda-Chavez, Nicolás Guzmán-Bouilloud, Rosario Amaya Flores, Raúl Sansores

## Blue 1 (North)

## Session 72

08:30 - 10:30

## Poster Discussion: Current challenges in COPD evaluation

Chairs : Charlotte Suppli Ulrik (Virum, Denmark), Eduardo Márquez Martín (Sevilla, Spain)

**PA388** **The effect of changing GOLD severity stage on long-term mortality in COPD**  
James D. Chalmers (Dundee, United Kingdom), Robert Flynn, Thomas MacDonald, Stuart Schembri

**PA389** **The value of FENO50 measurement in COPD – results from the TIE-study**  
Alexandra Thornadsson (Gävle, Sweden), Andrei Malinovski, Karin Lisspers, Björn Stållberg, Kristina Bröms, Christer Janson, Marieann Högman

**PA390** **Feasibility and clinical impact of deploying a digital health intervention in a Medicare population with COPD**  
Jessica Chen (, ), Shelanda Jones-Ford, Shannon Goeldi, Michael Tuffli, Meredith Barrett, David Van Sickle, David Stempel

**PA391** **Assessment of cytokine mRNA expression in patients with COPD exacerbations**  
Csilla Páska (Budapest, Hungary), Csilla Páska, Imre Barta, Orsolya Drozdovszky, Balazs Antus

**PA392** **Association of inflammatory biomarkers with comorbidity in chronic obstructive pulmonary disease – results from the COSYCONET cohort**  
Frederik Seiler (Saarbrücken, Germany), Franziska C. Trudzinski, Mohammad Alquadrh, Sebastian Fährndrich, Henrik Watz, Rudolf A. Jörres, Armin Koch, Tobias Welte, Claus F. Vogelmeier, Frank Biertz, Robert Bals

**PA393** **Disease activity in long-term survivors of COPD: 10-years' follow-up data from the Hokkaido COPD cohort study**  
Masaharu Nishimura (Sapporo, Japan), Hironi Makita, Msaru Suzuki, Kaoruko Shimizu, Satoshi Konno

**PA394** **Modelling peripheral blood eosinophils to identify response to budesonide in COPD: a post-hoc analysis**  
Mona Bafadhel (Oxford, United Kingdom), Stefan Peterson, Miguel De Blas, Peter Calverley, Stephen Rennard, Kai Richter, Malin Fagerås

**PA395** **Longitudinal change of COPD assessment test (CAT) in a telehealthcare cohort is associated with exacerbation risk**  
Frank Rassouli (St. Gallen, Switzerland), Florent Baty, Sandra Widmer, Martin H Brutsche

**PA396** **Distal airspace radius estimated by nanoparticle deposition reflects lung density**  
Laura Aaltonen (Malmö, Sweden), Simon Kindvall, Jonas Kf Jakobsson, Jakob Londahl, Lars-Erik Olsson, Sandra Diaz, Sophia Zackrisson, Per Wollmer

**PA397** **A systematic review of the accuracy of microspirometry for screening of adults for COPD**  
Lancelot Pinto (Montréal, QC, Canada), Radhika Banka

**PA398** **Predicting future development of COPD (MARKO study)**  
Marina Labor (Zagreb, Croatia), Iva Juric, Zarko Vrbica, Ivan Gudelj, Slavica Labor, Davor Plavec

**PA399** **Longitudinal measurement of airway inflammation relates to a higher risk of exacerbation in COPD.**  
Bernardino Alcazar Navarrete (Cájar, Spain), Francisca Castellano-Miñán, Oliverio Ruiz Rodriguez, Pedro J Romero Palacios

**PA400** **Malnutrition and sarcopenia in chronic obstructive pulmonary disease according to the new ESPEN definition and EWGSOP criteria**  
Francesca de Blasio (Pozzuoli, NA, Italy), Luca Scalfi, Paola Alicante, Giulia Miracco Berlingieri, Barbara Bellofiore, Francesco de Blasio

**PA401** **Echocardiography and N-terminal-pro-brain natriuretic peptide in assessment of left ventricular diastolic dysfunction in stable COPD in relation to disease severity**  
Gehan Hassan Ali Abo E-Magd (Tanta, Egypt), Timoor Hassan, Mohamed Aly, Maaly Mabrouk

**PA402** **Decline in health status in alpha1 antitrypsin deficiency**  
Robert Andrew Stockley (Birmingham, United Kingdom), Ross Edgar, Sian Hughes, Alice Turner

- PA403** **Exacerbations and duration of smoking abstinence are associated with the annual decline in lung function in individuals with PiZZ alpha-1-antitrypsin deficiency**  
Sebastian Fährdrich (Homburg/Saar, Germany), Sebastian Fährdrich, Nikolas Bernhard, Philipp M. Lepper, Claus Vogelmeier, Martina Seibert, Stefan Wagenpfeil, Robert Bals
- PA404** **Exhaled breath temperature in patients with severe asthma starting treatment with omalizumab**  
Tanya Kralimarkova (Sofia, Bulgaria), Diana Hristova, Kalina Bacheva, Todor Popov
- PA405** **Soluble urokinase-type plasminogen activator receptor in monitoring of treatment response in acute exacerbation of chronic obstructive pulmonary disease**  
Gehan Hassan Ali Abo E-Magd (Tanta, Egypt), Maaly Mabrouk

## Blue 2 (North)

## Session 73

08:30 - 10:30

## Poster Discussion: Shared exposures related to interstitial disease and airflow obstruction

Tag(s) : Smoking prevention and cessation (HLFL)

Chairs : Dennis Nowak (München, Germany), Kristin Cummings (Morgantown, United States of America)

- PA406** **Pubmed mining for occupational idiopathic pulmonary fibrosis papers**  
Carl Reynolds (London, United Kingdom), Sara De Matteis, Paul Cullinan, Joanna Szram
- PA407** **Progression of Idiopathic Pulmonary Fibrosis in patients with past occupational exposure to dusts**  
Filippo Liviero (Padova, Italy), Paola Mason, Gabriella Guarnieri, Maria Cristina Scarpa, Elisabetta Balestro, Piero Maestrelli
- PA408** **An observational study on the effect of air pollution on the incidence of idiopathic pulmonary fibrosis in Italy**  
Sara Conti (Monza (MB), Italy), Sergio Harari, Antonella Caminati, Antonella Zanobetti, Joel David Schwartz, Pietro Alberto Bertazzi, Giancarlo Cesana, Fabiana Madotto
- PA409** **Occupational exposures associated with pulmonary alveolar proteinosis**  
Kristin Cummings (Morgantown, United States of America), Carl Reynolds, Isabella Annesi-Maesano, John Balmes, David Fishwick, David Miedinger, Nicola Murgia, Rajen Naidoo, Carrie Redlich, Torben Sigsgaard, Kjell Toren, Denis Vinnikov, Paul Blanc
- PA410** **Chest ultrasonography in health surveillance of asbestos related pleural disease**  
Simone Scarlata (Roma, Rm, Italy), Panaiotis Finamore, Gilda Giannunzio, Simona Santangelo, Raffaele Antonelli Incalzi
- PA411** **Compensation of pleural mesothelioma in construction workers in France**  
Jean-Claude Pairon (Creteil, France), Soizick Chamming's, Mireille Matrat, Philippe Astoul, Sabyne Audignon, Laurence Chérié-Challine, Stéphane Ducamp, Patrick Brochard, Céline Gramond, Françoise Galateau-Sallé, Marcel Goldberg, Daniele Luce, Annabelle Gilg Soit Ilg
- PA412** **Asbestos and mesothelioma in Portugal – an inconvenient truth?**  
Cátia Santos (LISBOA, Portugal), Cátia Santos, Ema Sacadura-Leite, Philippe Astoul, António Sousa Uva
- PA413** **The rate of occupational and environmental reasons of asbestos related diseases in Turkey**  
Mehmet Bayram (Istanbul, Turkey), Didem Özkan, Muhammed Emin Akkoyunlu, Fatmanur Okyaltırk, Esat Hayat, Sabriye İnnur Bilgin
- PA414** **Asbestos exposure causes small airway obstruction among asbestosis patients**  
Qiao Ye (Beijing, China), Xiaoli Yang, Yongji Yan, Changjiang Xue, Xuqin Du
- PA415** **Factors associated to airway obstruction development in asbestos exposed workers in Navarra.**  
Pablo Antonio Sanchez Salcedo (Pamplona (Navarra), Spain), Belen Marin Martinez, Dunibel Morillo Vanegas, Tamara Gutierrez Urrea, Izaskun Jimenez Setuain, Vega García López, Pilar Cebollero Rivas, Javier Hueto, Debora Jorge García
- PA416** **Clinical and inflammatory features of exacerbations of occupational chronic obstructive pulmonary disease**  
Lyubov Shpagina (Novosibirsk, Russian Federation), Olga Kotova, Ilya Shpagin, Oksana Gerasimenko
- PA417** **The occupations at increased risk of COPD in the UK Biobank Cohort**  
Sara De Matteis (London, United Kingdom), Deborah Jarvis, Andrew Darnton, David Fishwick, Lesley Rushton, Paul Cullinan
- PA418** **Occupational COPD and HMOX1 repeats in a Danish population**  
Else Würtz (Tjele, Denmark), Else Würtz, Charlotte Brasch-Andersen, Rudi Steffensen, Jens Georg Hansen, Tine H. Malling, Øyvind Omland, Vivi Schlüsslen
- PA419** **Association between lung function decline and occupational exposures in patients with COPD**  
Ji Hyun Kim (Chuncheon, Republic of Korea), Jin Seon Jeong, Jinkyong Park, Young Ju Jung, Yoonki Hong, Woo Jin Kim

PA420	<b>Comparison of serum cytokine profiles among biomass- and tobacco smoke induced chronic obstructive pulmonary disease (COPD) patients in a South Indian population: A pilot study</b> Tania Ahalya Thimraj (CHENNAI (TAMIL NADU), India), Sangeetha Vishweswaraiah, SK Chaya, KS Lokesh, BS Jayaraj, Koustav Ganguly, PA Mahesh, Leema George
PA421	<b>Characterisation of COPD exacerbations using personal environmental exposure monitoring</b> Benjamin Barratt (London, United Kingdom), Lia Chatzidiakou, Elizabeth Moore, Jennifer Quint, Sean Beevers, Sefki Kolozali, Frank Kelly, Roderic Jones, Liam Smeeth
PA422	<b>Knowledge, attitude and practices regarding cotton dust exposure among textile workers in Karachi, Pakistan</b> Natasha Shaukat (Karachi, Pakistan), Hasan Tahir, Asaad Nafees
PA423	<b>Respiratory symptoms related to occupational exposure to dust</b> Sandra Saleiro Ferreira (Porto, Portugal), Luís Rocha, João Bento, Luís Antunes, José Torres da Costa

## Gold (South) Session 79 10:45 - 12:45

### Grand Round: GR2 Lung Cancer Grand Round

An expert MDT board discussing four challenging cases provided by the Thoracic Oncology Assembly members

**Aims :** This Grand Round will test your clinical knowledge in lung cancer. Four cases will address current hot lung cancer topics: handling of the solitary pulmonary nodule as a result of CT screening, pre-therapeutic fitness assessment and improvement, best diagnostic-therapeutic sequences in molecular altered NSCLC, and successful strategies for oligometastatic patients.

These highly instructive cases have been carefully selected out of many thrilling cases which were kindly sent in by members of the Thoracic Oncology Assembly and other related Assemblies. They will be presented by the treating physicians in front of an expert MDT board guaranteeing vivid discussions on stage and together with the audience.

**Track(s) :** Lung cancer

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Clinician, Fellow, General practitioner, Immunologist, Junior member, Nurse, Oncologist, Pathologist, Patient, Physiologist, Psychologist, Public health official, Pulmonologist, Radiologist, Resident, Respiratory physician, Respiratory therapist, Social worker, Student, Thoracic surgeon, Thoracic endoscopist, Trainee

**Chairs :** Nir Peled (Hod Hasharon, Israel), Paul E. Van Schil (Edegem (Antwerp), Belgium), Paul Martin Putora (St. Gallen, Switzerland), Claus Peter Heussel (Heidelberg, Germany), Françoise Galateau-Salle (Caen, France)

10:45	<b>Benign or malignant ? - a tricky solitary pulmonary nodule in a patient at high risk for lung cancer</b> Mina Gaga (Athens, Greece)	437
11:15	<b>Pushing the limits, real benefit for the patient ? – a curative treatment approach in an unfit lung cancer patient</b> Matthew Evison (Manchester, United Kingdom)	438
11:45	<b>Eminence or evidence based ? – personalised diagnostic-therapeutic sequences in a molecular altered advanced NSCLC patient</b> Nir Peled (Hod Hasharon, Israel)	439
12:15	<b>Ubi tumour, ibi evacua ? – seeking cure in an oligo-metastatic NSCLC patient</b> Gilbert Massard (Strasbourg, France)	440

## Auditorium (South) Session 80 10:45 - 12:45

### Symposium: State of the art session: "Rehabilitation, interventional pulmonology and surgery"

**Aims :** Based on the published evidence form the last year the most interesting papers will be presented and discussed. The audience will receive a commented update on the actual literature

**Track(s) :** Exercise, rehabilitation and physiology

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Clinician, Fellow, General practitioner, Intensivist/critical care physician, Nurse, Physiologist, Physiotherapist, Psychologist, Radiologist, Student

**Chairs :** Momen Wahidi (Durham, United States of America), Geert Verleden (Leuven, Belgium)

10:45	<b>Rehabilitation- a must!</b> Frits M.E. Franssen (Horn, Netherlands)	441
11:15	<b>Interventional pulmonology: a solution for every airway diseases</b> Maren Schuhmann (Heidelberg, Germany)	442
11:45	<b>Interventional pulmonology: a solution for pleural diseases</b> Coenraad Frederik Nicolaas Koegelenberg (Cape Town, South Africa)	443

12:15	<b>Lung transplantation the actual and future situation</b> Christian Benden (Zürich, Switzerland)	444
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### Silver (North) Session 81 10:45 - 12:45

#### Session: Sadoul Lecture: "Airway hyperresponsiveness: the riddle of asthma and COPD" and related topics

**Aims :** To revive the interest to clarify the underlying mechanisms of airway hyperresponsiveness (AHR). AHR is a risk factor for both asthma and COPD, and is central to the diagnosis and severity of asthma, and to disease progression and mortality in COPD. The same phenotype of AHR may have different underlying mechanisms in asthma and COPD, but how and why?

**Chairs :** Stephen T. Holgate (Southampton, United Kingdom), Peter J. Sterk (Amsterdam, Netherlands)

10:45	<b>Airway hyperresponsiveness: the riddle of asthma and COPD</b> Dirkje S. Postma (Groningen, Netherlands)	445
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11:25	<b>Interpreting hyperresponsiveness in asthma</b> Paul O'Byrne (Hamilton, ON, Canada)	446
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11:51	<b>Genetics and epigenetics of hyperresponsiveness in asthma and full asthma remission</b> Gerard H. Koppelman (Groningen, Netherlands)	447
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12:18	<b>Small airways and hyperresponsiveness in asthma and COPD</b> Gregory King (Sydney, NSW, Australia)	448
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### Bronze (Hall 4) Session 82 10:45 - 12:45

#### Symposium: COPD and comorbid cardiovascular diseases

**Aims :** The objectives of this symposium are (1) to learn about the correlation between COPD and cardiovascular disorders and the importance of this correlation for the healthcare system; (2) to understand the aetiology and pathogenesis of COPD and cardiovascular comorbidity; (3) to improve knowledge about the diagnostic modalities (thoracic ultrasound, CT, MRI, arterial stiffness, ECG, and echocardiography) for COPD with cardiovascular comorbidities and their benefits and disadvantages for patients; (4) to improve knowledge about the therapeutic procedures for COPD patients with cardiovascular comorbidities; and (5) to understand the importance of non-invasive ventilation in patients with COPD and heart failure.

**Track(s) :** Chronic airway diseases

**Tag(s) :** Clinical

**Target audience :** Cardiologist, Clinician, Emergency medicine doctor, Epidemiologist, General practitioner, Intensivist/critical care physician, Junior member, Pharmaceutical industry representative, Physiologist, Physiotherapist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Sleep specialist/technologist, Trainee

**Chairs :** Hilary Pinnock (Edinburgh, United Kingdom), Enrico Maria Clini (Modena, Italy)

10:45	<b>The association between COPD and cardiovascular disorders</b> Leonardo Michele Fabbri (Modena, Italy)	449
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11:15	<b>Biomarkers in COPD and cardiovascular diseases</b> Daiana Stolz (Basel, Switzerland)	450
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11:45	<b>Drugs for COPD with cardiovascular diseases: Musts and No-go's</b> Claus Vogelmeier (Marburg, Germany)	451
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12:15	<b>Smoking cessation: key for both COPD and cardiovascular disease, but how to manage it?</b> Stefan Andreas (Immenhausen, Germany)	452
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### Beige (South) Session 83 10:45 - 12:45

#### Symposium: Repair of the emphysematous lung: mesenchymal stromal cell and matrix interactions

**Aims :** Abnormal alveolar regeneration has emerged as the driving force of emphysema pathogenesis and progression, and research on lung tissue regeneration has developed rapidly in recent years. However, regenerative medicine in emphysema faces considerable challenges because of the complex architecture of the normal lung, and because of our limited understanding of the mechanism of abnormal lung repair in COPD and the role the extracellular matrix (ECM) plays in this mechanism. This session will increase the attendees' understanding of (1) the mechanisms of abnormal repair in emphysema and the deficiencies in the mesenchymal stromal cells of emphysema patients; (2) the role that the ECM plays in lung repair; (3) the usefulness of ECM molecules for delivering mesenchymal stromal cells; and (4) the novel clinical approaches that use mesenchymal stromal cells and tissue engineering to induce lung repair.

**Track(s) :** Chronic airway diseases Interstitial lung disease and vascular disease**Tag(s) :** Basic translational science**Target audience :** Clinician, Fellow, Junior member, Pathologist, Pharmaceutical industry representative, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Student**Chairs :** Janette K. Burgess (Groningen, Netherlands), Darcy Wagner (Lund, Sweden)

10:45	<b>The extracellular matrix: the stromal cell niche plays a central role in the quest to induce lung repair in emphysema</b> Gunilla Westergren-Thorsson (Lund, Sweden)	453
11:15	<b>Impaired tissue repair in emphysema: intrinsic defects in mesenchymal stromal cells or defects in the matrix?</b> H. Irene Heijink (Groningen, Netherlands)	454
11:45	<b>Aerosolised delivery of mesenchymal stromal cells to the lungs: towards a novel therapy</b> Wojciech Chrzanowski (Sydney, NSW, Australia)	455
12:15	<b>Mesenchymal stromal cells in clinical trials: implications for emphysema</b> Daniel Weiss (Burlington, United States of America)	456

## Black (North) Session 84 10:45 - 12:45

### Symposium: Translating “evidence-based behaviour change” and “e-health” interventions into practice: what works in smoking cessation and smoking prevention?

**Aims :** Aims: The aims of this symposium are to describe the evidence-based knowledge on clinical cessation skills and effective health system approaches to smoking cessation; to promote the systematic implementation of evidence-based clinical interventions and effective technological cessation aids; and to discuss the role of mass media campaigns and the need for evidence-based and adequately funded interventions, for both smoking prevention and cessation.

**Track(s) :** Chronic airway diseases**Tag(s) :** Smoking prevention and cessation (HLfL)

**Target audience :** Allergologist, Allied health professional, Anaesthesiologist, Cardiologist, Clinician, Educationalist, Epidemiologist, General practitioner, Immunologist, Junior member, Neonatologist, Nurse, Occupational therapist, Oncologist, Otolaryngologist, Paediatrician, Patient, Physiotherapist, Psychologist, Public health official, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Social worker, Student, TB specialist, Thoracic surgeon, Trainee

**Chairs :** Paraskevi Katsaounou (Athens, Greece), Sofia Belo Ravara (Covilhã, Portugal)

10:45	<b>Implementing evidence-based health behaviour change in smoking cessation: what works?</b> Kim Lavoie (Montréal, QC, Canada)	457
11:12	<b>Weight gain and smoking cessation: how to manage expectations and how to manage weight gain</b> Serena Tonstad (Hvalstad, Norway)	458
11:39	<b>Novel approaches to smoking cessation: effectiveness of e-health cessation aids and the preferences and attitudes of users</b> Asl Görek Dilekta 1 (Bursa, Turkey)	459
12:06	<b>Patient's testimonial</b> Manuela Leonardi (Catania, Italy)	460
12:18	<b>Mass media campaigns: what works in smoking prevention and cessation?</b> Tessa Langley (Nottingham, United Kingdom)	461

## Purple (North) Session 85 10:45 - 12:45

### Symposium: Multidisciplinary management of sleep apnoea

**Aims :** The aim of this session is to discuss the current therapeutic options for breathing disturbances during sleep. While continuous and automated positive airway pressure is the treatment of choice for the majority of sleep apnoea patients, and mandibular advancement devices are now broadly accepted, there are controversies about the optimal treatment in special situations or disease entities. The role that adaptive pressure support ventilators play in central sleep apnoea or hypoventilation disorders requires critical re-analysis. The evidence and efficacy in clinical practice of positional therapy, hypoglossus nerve stimulation, and oxygen therapy will be discussed critically. Thus, this symposium will present the current evidence and indications for treatment in specific situations.

**Track(s) :** Acute and chronic respiratory failure/sleep

**Target audience :** Fellow, General practitioner, Intensivist/critical care physician, Nurse, Otolaryngologist, Physiotherapist, Public health official, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Sleep specialist/technologist, Trainee

**Chairs :** Konrad E. Bloch (Zurich, Switzerland), Silke Ryan (Dublin 14, Ireland)

10:45	<b>Sleep apnoea and heart disease: association, causality, and therapeutic implications?</b> Virend Somers (Rochester, United States of America)	462
11:15	<b>From CPAP to non-invasive ventilation: a personalised approach to sleep-disordered breathing</b> Winfried J. Randerath (Solingen, Germany)	463
11:45	<b>Advances in the surgical treatment of obstructive sleep apnoea</b> Georges Bettega (Epagny Metz-Tessy, France)	464
12:15	<b>Mandibular advancement and positional therapy</b> Marie Marklund (Umea, Sweden)	465

**Red (North) Session 86 10:45 - 12:45**

**Oral Presentation: Update on community acquired pneumonia**

**Chairs :** Antoni Torres (Barcelona, Spain), Tobias Welte (Hannover, Germany)

**OA466** **Late Breaking Abstract - Reduction in frequency of pulmonary exacerbations (PE) with inhaled ARD-3150 in non-cystic fibrosis bronchiectasis (NCFB) patients is independent of Pseudomonas aeruginosa (PA) susceptibility at baseline**  
Juergen Froehlich (Hayward, United States of America), Janice Dahms, David Cipolla, Igor Gonda

**OA467** **Prolonged effect of air pollution on pneumonia: a nationwide cohort study**  
Wonjun Ji (Seoul, Republic of Korea), Yu Rang Park, Hae Reong Kim, Hwan-Cheol Kim, Chang-Min Choi

**OA468** **Time to Blood Culture Positivity as a Predictor of Clinical Outcomes and Severity in Adults with Bacteremic Pneumococcal Pneumonia**  
Catia Cilloniz Campos (Barcelona, Spain), Adrian Ceccato, Cristina de la Calle, Albert Gabarrus, Carolina Garcia-Vidal, Manel Almela, Alex Soriano, Francesc Marco, Antoni Torres

**OA469** **Admission lactate predicts poor prognosis independently of the CRB/CURB-65 scores in community-acquired pneumonia.**  
Martin Kolditz (Dresden, Germany), Frederik Frenzen, Ulrike Kutschan, Nils Meiswinkel, Bernhard Schulte-Hubbert, Santiago Ewig

**OA470** **Oxy-Met score: a new physiological index to predict mortality in community-acquired pneumonia**  
Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Estrella Fernández Fabrellas, Eusebi Chiner, María Luisa Briones, María del Carmen Aguilar, Ángela Cervera, Ruben Lera, José Blanquer

**OA471** **Risk factors associated with "PES pathogens" in community-onset pneumonia: 16S rRNA gene analysis of BALF.**  
Toshinori Kawanami (Kitakyushu City, Japan), Shingo Noguchi, Kentarou Akata, Keisuke Naito, Tsutomu Takaki, Keishi Oda, Minako Hanaka, Takashi Kido, Hiroshi Mukae, Kazuhiro Yatera

**OA472** **Azithromycin is associated with improved survival in patients with healthcare-associated pneumonia**  
Eric Mortensen (Simsbury, United States of America), Antonio Anzueto

**OA473** **Antimicrobial Treatment of CAP. Is there a higher benefit of macrolides combination in patients with pneumococcal CAP?**  
Adrian Ceccato (Ituzaingo, Buenos Aires, Argentina), Otavio Ranzani, Catia Cilloniz, Albert Gabarrus, Adamanthia Liapikou, Miquel Ferrer, Antoni Torres

**Space 1 + 2 (South) Session 87 10:45 - 12:45**

**Oral Presentation: Interstitial lung diseases (ILDs): novel pathogenetic pathways**

**Chairs :** Francesco Bonella (Dusseldorf, Germany), Bruno Crestani (Paris, France)

**OA474** **Late Breaking Abstract - Evaluation of the JNK inhibitor, CC-90001, in a phase 1b pulmonary fibrosis trial.**  
Steven Greenberg (Westfield, United States of America), Gerald Horan, Brydon Bennett, Kate Blease, Ying Ye, Ada Azaryan, Francisco Ramirez-Valle, Ralph Ceres, Peter Schafer

**OA475** **LSC - 2017 - Hippo-YAP/TAZ signaling is deranged in IPF**  
Darcy Wagner (Lund, Sweden), Hani Alsafadi, Kathrin Mutze, Rita Costa, Marlene Stein, Herbert Schiller, Naftali Kaminski, Melanie Koenigshoff

**OA476** **Retrospective analysis of microbiome in idiopathic pulmonary fibrosis.**  
Youhei Takahashi (Sapporo, Japan), Astushi Saito, Kimiyuki Ikeda, Koji Kuronuma, Tomofumi Kobayashi, Yuichiro Asai, Hirotaka Nishikiori, Gen Yamada, Hirofumi Chiba, Yasushi Sasaki, Hiroki Takahashi, Mitsuo Otsuka, Mamoru Takahashi

**OA477 A genetic landscape of familial predisposition to sarcoidosis identified by whole exome sequencing**  
Alain Calender (LYON, France), Yves Pacheco, Pierre Rollat Farnier, Claire Bardel, Pascal Seve, Gilles Devouassoux, Vincent Cottin, Azzaz Bentaher, JFrançois Bernaudin, Diane Bouvry, Dominique Israel Biet, Hilario Nunes, Dominique Valeyre, Nadia Nathan

**OA478 The pathomechanistic role of autophagy in lung fibrosis**  
Poornima Mahavadi (GIESSEN, Germany), VidyKesireddy Vidyasagar, Ahuja Saket, Chillappagari Shashi, Knudsen Lars, Henneke Ingrid, Ruppert Clemens, Korfei Martina, Matthias Ochs, Seeger Werner, Guenther Andreas

**OA479 Nuclear miRNA/exosome-mediated transcriptional silencing within the context of TGFB1 signaling and Idiopathic Pulmonary Fibrosis.**  
Guillermo Barreto (Bad Nauheim, Germany), Karla Rubio, Indrabahadur Singh, Julio Cordero, Stephanie Dobersch, Stephan Günther, Pouya Sarvari, Soni Pullamsetti, Andreas Günther, Marcus Krüger, Klaus T Preissner, Werner Seeger, Gergana Dobreva, Thomas Braun

**OA480 The expression of miR185, miR29a and their targets in IPF and lung cancer (LC). A BALF study.**  
Eleni Bibaki (Heraklion, Crete, Greece), Theodora Georgopoulou, Chara Koutoulaki, Eliza Tsitoura, Eirini Vasarmidi, Nikolaos Tzanakis, Katerina Antoniou

## Space 3 + 4 (South)

## Session 88

10:45 - 12:45

## Oral Presentation: Silicosis has not gone away

Tag(s) : Smoking prevention and cessation (HLfL)

Chairs : Paul Cullinan (London, United Kingdom), Elizabeth Fireman (Tel-Aviv, Israel)

**OA481 Late Breaking Abstract - Silicosis in Spain: a 2016 point prevalence overview in employed workers**  
Anselmo Lopez Guillen (Sabadell (Barcelona), Spain), Mikel Uña Gorospe, Sergio Rovira Sans, Alan López-López

**OA482 Lung transplantation survival in silicosis**  
Vania Catarina Pereira Caldeira (Azueira, Portugal), Vânia Catarina Pereira Caldeira, Tiago Sá, Nídia Caires, Sara Silva, João Reis, Ricardo Coelho, Ana Santos, Nicole Murinello, Ivan Bravio, Fernando Martelo, Luísa Semedo, João Cardoso, José Fragata

**OA483 Rapid clinical progression of silicosis in quartz conglomerate workers in Southern Spain**  
Antonio Leon Jimenez (Cádiz, Spain), Antonio Hidalgo Molina, Jose Morales Morales, Miguel Angel Conde Sanchez, Inmaculada Sanchez Romero, Aranzazu Perez Alonso, Juan Antonio Cordoba Doña

**OA484 Artificial stone associated silicosis with rapid lung function decline**  
Ryan Hoy (Melbourne, VIC, Australia)

**OA485 Silicosis In Denim Sandblasters: Aftershocks Of An Epidemic**  
Turkan Nadir Ozis (Ankara, Turkey), Nur Safak Alici, Ibrahim Onur Alici, Dilek Ergun, Emine Avci, Nevin Taci Hoca, Omer Hinc Yilmaz

**OA486 Pulmonary tuberculosis: 40-year trends in South African gold miners, an autopsy study**  
Jill Murray (Johannesburg, South Africa), Ntombizodwa Ndlovu

**OA487 Silicomicobacteriosis (SM), diagnosis and prognosis, follow up 2,5 years**  
Galina P. Orlova (St Petersburg, Russian Federation), Vera A. Kartavova

**OA488 Serum KL-6, SP-D and MMP-2 as diagnostic biomarkers in asbestosis and silicosis**  
Changjiang Xue (BEIJING, China), Na Wu, Xue Li, Meihua Qiu, Xuqin Du, Qiao Ye

## Pink (South)

## Session 89

10:45 - 12:45

## Oral Presentation: Innovation in COPD: techniques and facts

Chairs : Arschang Valipour (Wien, Austria), Pierre-Régis Burgel (Paris, France)

**OA489 Late Breaking Abstract - Capnography for ultimately simple diagnostics of COPD**  
Linnea Jarenbäck (Gantofta, Sweden), Ellen Tufvesson, Björn Jonson, Leif Bjermer

**OA490 Late Breaking Abstract - Nano-mechanical properties of bronchial wall biopsies as a potential remodeling marker in obstructive lung disease - preliminary findings.**  
Tomasz Stachura (Kraków, Poland), Joanna Zemla, Jerzy Soja, Iwona Gross-Sondej, Malgorzata Lekka, Krzysztof Sladek

**OA491 Multi-omics analysis of the healthy smoker airway reveals smoking related impacts on the lung microenvironment**  
Brian Keller (Columbus, United States of America), Ann Gregory, Chandni Desai, Benjamin Wu, Jose Clemente, Matthew Sullivan, Leopoldo Segal, Guoyan Zhao



<b>OA492</b>	<b>Blood eosinophils in COPD: long term variability and clinical outcomes</b> Graziella Turato (Padova, PD, Italy), Umberto Semenzato, Maria Martinez, Davide Biondini, Mariaenrica Tinè, Jose M Marin , Marina Saetta, Manuel G Cosio
<b>OA493</b>	<b>Clustering approach and effects of inhaled therapy on breath-fingerprint of newly diagnosed COPD patients: an e-nose based study</b> Panaiotis Finamore (Rome, Italy), Simone Scarlata, Simona Santangelo, Gilda Giannunzio, Simone Grasso, Claudio Pedone, Giorgio Pennazza, Marco Santonico, Raffaele Antonelli Incalzi
<b>OA494</b>	<b>Mucosal cryobiopsies: A novel method for studying obstructive airways disease?</b> Morten Hvidtfeldt (København V, Denmark), Alexis Pulga, Morten Hostrup Nielsen, Caroline Sanden, Klaus Richter Larsen, Ole Bækgaard Nielsen, Jonas Erjefält, Celeste Porsbjerg
<b>OA495</b>	<b>Early life origins of adult chronic diseases</b> Guillaume Noell (BARCELONA, Spain), Josep Brugada, Rosa Faner, Alvar Agustí
<b>OA496</b>	<b>Lung clearance index (LCI) in pulmonary disease and healthy controls – can fewer measurements eventually be more?</b> Frederik Trinkmann (Mannheim, Germany), Johannes Goetzmann, Daniel Saur, Michele Schroeter, Ibrahim Akin, Martin Borggreffe, Joachim Saur, Julia D. Michels

**Brown 1 + 2 (South) Session 90 10:45 - 12:45**

**Oral Presentation: Determinants of childhood asthma and atopy**

**Tag(s) :** Smoking prevention and cessation (HLfL)

**Chairs :** Bülent Taner Karadag (Istanbul, Turkey), Stephen Turner (Aberdeen, United Kingdom)

<b>OA497</b>	<b>Maternal iron status during pregnancy and respiratory and atopic outcomes in the offspring: a Mendelian randomization approach</b> Annabelle Bédard (LONDON, United Kingdom), Sarah Lewis, Seif Shaheen, A John Henderson
<b>OA498</b>	<b>RSV increases the risk of first paediatric asthma hospitalisation: whole-of-population cohort study</b> Nusrat Homaira (Sydney, NSW, Australia), Mark Hanly, Nancy Briggs, Christopher Parry, Ju-Lee Oei, Lisa Hilder, Barbara Bajuk, Kei Lui, William Rawlinson, Tom Snelling, Adam Jaffe
<b>OA499</b>	<b>Early-life respiratory tract infections and the risk of lower lung function and asthma: a meta-analysis of 154,492 children.</b> Evelien R. van Meel (Rotterdam, Netherlands), Herman Den Dekker, Tarunveer Singh Ahluwalia, Isabella Annesi-Maesano, Syed Hasan Arshad, Nour Baiz, Henrique Barros, Andrea Von Berg, Philippa Bird, Klaus Bonnelykke, Maribel Casas, Leda Chatzi, Sylvaine Cordier, Gerdien Dalmeijer, Carol Dezateux, Karel Duchon, Merete Eggesbø, Kors Van Den Ent, Maria Pia Fantini, Claudia Flexeder, Urs Frey, Francesco Forastiere, Ulrike Gehring, Davide Gori, Raquel Granell, Lucy Griffiths, Wojciech Hanke, A John Henderson, Hazel Inskip, Anne M. Karvonen, Thomas Keil, Cecily Kelleher, Manolis Kogevinas, Gudrun Koppen, Claudia Kuehni, Nathalie Lambrechts, Susanne Lau, Irina Lehmann, Johnny Ludvigsson, Maria Christine Magnus, Erik Mélen, John Mehegan, Monique Mommers, Anne-Marie Nybo Andersen, Wenche Nystad, Juha Pekkanen, Fabienne Pelé, Ville Peltola, Katy Pike, Costanza Pizzi, Kinga Polanska, Maja Popovic, Daniela Porta, Alban Ramette, Graham Roberts, Ana Cristina Santos, Erica Schultz, Jet Smit, Marie Standl, Jordi Sunyer, Carel Thijs, Laura Toivonen, Eleonora P. Uphoff, Jakob Usemann, Johan de Jongste, Vincent Jaddoe, Liesbeth Duijts, Hans Bisgaard
<b>OA500</b>	<b>Birth cohort studies on farm-like indoor microbiota and asthma: the importance of composition and taxonomic resolution</b> Juha Pekkanen (Helsingin yliopisto, Finland), Anne Karvonen, Martin Täubel, Anne Hyvärinen, Rachel Adams, Erika von Mutius, Pirkka Kirjavainen
<b>OA501</b>	<b>Lean body mass is positively associated with lung function at age 15</b> Gabriela P. Peralta (Barcelona, Spain), Elaine Fuertes, Judith Garcia-Aymerich, John Henderson, Debbie Jarvis
<b>OA502</b>	<b>Atmospheric ammonia, ammonium and incident asthma - A nationwide case-control study in Danish preschool children</b> Gitte Juel Holst (Århus C, Denmark), Malene Thygesen, Carsten B. Pedersen, Robert G. Peel, Jørgen Brandt, Jesper H. Christensen, Jakob Bønløkke, Ole Hertel, Torben Sigsgaard
<b>OA503</b>	<b>Is there a genetic association between atopic disease and internalizing disorders in children?</b> Bronwyn Brew (Stockholm, Sweden), Tong Gong, Cecilia Lundholm, Henrik Larsson, Catarina Almqvist

**Yellow (North) Session 91 10:45 - 12:45**

**Oral Presentation: Towards personalised medicine in COPD: biological and clinical phenotypes**

**Chairs :** Renaud Louis (Liège, Belgium), Marina Saetta (Padova, PD, Italy)

OA504	<b>Basal membrane biomarkers in stable and exacerbated COPD</b> Desiree Schumann (Basel, Switzerland), Diana Leeming, Eleni Papakonstantinou, Francesco Blasi, Konstantinos Kostikas, Wim Boersma, Renaud Louis, Branislava Milenkovic, Joachim Aerts, Jannie M.B. Sand, Emiel F.M. Wouters, Gernot Rohde, Christina Prat, Antoni Torres, Tobias Welte, Michael Tamm, Morten Karsdal, Daiana Stolz
OA505	<b>Blood biomarker algorithms to guide COPD assessment and risk stratification</b> Brett Masters (Billerica, United States of America), Surya Bhatt, Gerard Criner, Fernando Martinez, Thomas Siler, Julio Herrera, Martin Latterich, Michael Miller, Karen Copeland, Lyndal Hesterberg
OA506	<b>IFNL3 polymorphisms are associated with COPD severity and outcomes</b> Daiana Stolz (Basel, Switzerland), Desiree M. Schumann, Adrian Egli, Jyotshna Mandal, Michael Roth, Brad Thomas, Lorne Tyrrell, Francesco Blasi, Kostantinos Kostikas, Wim Boersma, Branislava Milenkovic, Alicia Lacoma, Gernot G.U. Rohde, Renaud Louis, Joachim Aerts, Tobias Welte, Antoni Torres, Michael Tamm, Daiana Stolz
OA507	<b>Increased expression of Lysosomal-associated membrane protein 1 (LAMP-1) found in small airway epithelium of COPD may have functional consequence and role in autophagy.</b> Mathew Eapen (Hobart, TAS, Australia), Elizabeth Tan, Haydn Walters, Sukhwinder Singh Sohal, Chris Ward
OA508	<b>Lung core-predominant emphysema is associated with higher symptom burden in COPD: analysis of the COPD Gene cohort</b> Meilan Han (, Canada), Carlos Martinez, Charles Hatt, Wassim Labaki, Jeffrey Curtis, Victor Kim, Surya Bhatt, Alejandro Diaz, David Lynch, Eric Hoffman, Craig Galban, Brian Ross, Ella Kazerooni, Fernando Martinez, MeiLan Han
OA509	<b>Sensitisation to Aspergillus fumigatus as a risk factor for bronchiectasis in COPD</b> Stephanie Everaerts (LEUVEN, Belgium), Katrien Lagrou, Adriana Dubbeldam, Natalie Lorent, Kristina Vermeersch, Xavier Bossuyt, Erna Van Hoeyveld, Lieven Dupont, Bart Vanaudenaerde, Wim Janssens
OA510	<b>Influence of bronchiectasis in patients hospitalized due to acute exacerbation of COPD.</b> Laura Rarmirez Garcia (MADRID, Spain), Javier de Miguel Díez, Jose Terán Tinedo , Rodrigo Jimenez García, Valentin Hernández Barrera, Alicia Cerezo Lajas, Gema Sanchez Muñoz, Luis Puente Maestu, Ana López de Andrés
OA511	<b>Serum Levels of Club-Cell Protein 16 (CC-16), Surfactant Protein D (SPD), soluble Receptor of Glycation End-products (sRAGE), Fibrinogen and C-Reactive Protein (CRP) and FEV1 Decline, Exacerbations and Mortality in SUMMIT</b> Bartolome R. Celli Croquer (Boston, United States of America), Julie Anderson, Robert Brook, Courtney Crim, Peter Calverley, Ian Dixon, Victor Kim, Fernando Martinez, Andrea Morris, David Newby, Julie Yates, Jørgen Vestbo
<b>Brown 3 (South) Session 92 10:45 - 12:45</b>	
<b>Oral Presentation: The importance of physical activity in patients with COPD</b> Chairs : Thierry Troosters (Leuven, Belgium), Samantha Harrison (Middlesbrough, United Kingdom)	
OA512	<b>The survival effect of physical activity in patients with COPD: every step counts.</b> Heleen Demeyer (Barcelona, Spain), Benjamin Waschki, Michael Polkey, Karina Furlanetto, David Donaire-Gonzalez, Josep Maria Anto, Fabio Pitta, Nicholas Hopkinson, Thierry Troosters, Henrik Watz, Judith Garcia-Aymerich
OA513	<b>Effectiveness of an intervention of Urban Training in patients with COPD: a randomized controlled trial</b> Judith Garcia Aymerich (Barcelona, Spain), Ane Arbillaga Etxarri, Elena Gimeno-Santos, Eva Balcells, Anael Barberan-Garcia, Marta Benet, Nuria Celorrio, Anna Delgado, Carme Jané, Alicia Marín, Pilar Ortega, Diego A Rodríguez, Robert Rodriguez-Roisín, Mónica Monteagudo, Nuria Montellà, Laura Muñoz, Pere Torà, Jaume Torrent-Pallicer, Pere Simonet, Carlos Martín-Cantera, Eulàlia Borrel, Pere Vall-Casas, Jordi Vilaró
OA514	<b>Efficacy of an integrated internet community program after pulmonary rehabilitation for COPD patients: a pilot randomized control trial</b> Jordi Vilaro Casamitjana (Barcelona, Spain), Begoña Jiménez Reguera, Eva Maroto López, Marta López Martín, Lourdes Juarros Monteagudo, Nuria García Gutiérrez, Marta Sánchez, José Luis Rodríguez Hermosa, Alfonso Montero Pacios
OA515	<b>Effects of an internet based tool for self-management in patients with COPD—a controlled pragmatic pilot trial</b> Andre Nyberg (Umeå, Sweden), Malin Tistad, Karin Wadell
OA516	<b>Relationship between muscle mass and function and physical activity levels in patients with COPD – a longitudinal study</b> Leandro Mantoani (Edinburgh, United Kingdom), Judith Garcia-Aymerich, Thierry Troosters, Ioannis Vogiatzis, Zafeiris Louvaris, Nicholas Hopkinson, Yogini Raste, Elena Gimeno-Santos, Heleen Demeyer, William MacNee, Roberto Rabinovich
OA517	<b>Sedentary behavior and physical inactivity in patients with COPD: two sides of the same coin?</b> Karina Couto Furlanetto (Londrina/Pr, Brazil), Lorena P. Schneider, Antenor Rodrigues, Jose R. Lopes, Mariana P. Bertoche, Loana M. Oliveira, Nidia A. Hernandez, Fabio Pitta

- OA518 Identification of phenotypes in COPD patients: influence of physical activity in daily life, body composition and skeletal muscle strength**  
Rafaella Xavier (Sao Paulo/Sp, Brazil), Aline Lopes, Ana Carolina Pereira, Regina Maria Carvalho Pinto, Alberto Cukier, Rafael Stelmach, Ercy Mara Ramos, Celso Carvalho

## Amber 1 + 2 (South)

## Session 93

10:45 - 12:45

## Poster Discussion: Pulmonary drug and devices delivery

Chairs : Omar S. Usmani (London, United Kingdom), Federico Lavorini (FIRENZE, Italy)

- PA519 Formoterol Aerolizer inhaler technique in patients with Asthma and COPD**  
Martin Balzan (Tal Qroqq, Malta), Kyra Bartolo, Yanika Gatt, Lara Angelle Micallef, James A. Farrugia
- PA520 Safety, Tolerability (S&T) and Pharmacokinetics (PK) of Single and Repeat Inhaled Doses of Phosphoinositide-3-Kinase Delta Inhibitor (PI3K ) GSK2269557, Delivered via the ELLIPTATM Device to Healthy Subjects in a Phase I Trial, Including Charcoal Block.**  
Robert Wilson (London, United Kingdom), Emily Jarvis, Mickael Montembault, Nicole Hamblin, Edith M. Hessel, Anthony Cahn
- PA521 Extrafine compared to non-extrafine particle ICS in smokers and ex-smokers with asthma**  
Claire A. Cox (Groningen, Netherlands), Ilse M. Boudewijn, Sebastiaan J. Vroegop, Siebrig Schokker, Anne J. Lexmond, Erik W. Frijlink, Paul Hagedoorn, Judith M. Vonk, Martijn P. Farenhorst, Nick T.H. ten Hacken, Huib A.M. Kerstjens, Dirkje S. Postma, Maarten van den Berge
- PA522 Lung deposition of fluticasone propionate/formoterol administered via a breath-triggered inhaler**  
Prashant Dalvi (CAMBRIDGE, United Kingdom), Dominik Kappeler, Knut Sommerer, Claudius Kietzig, Bärbel Huber, Jo Woodward, Mark Lomax
- PA523 Relative pulmonary bioavailability (BA) of fluticasone propionate/formoterol (FP/FORM) via pressurised metered-dose inhaler (pMDI) and a novel breath-triggered inhaler (BTI)**  
Tim Overend (Cambridge, United Kingdom), David Bell, Gill Mundin, Mark Lomax, Jo Woodward, Sanjeeva Dissanayake
- PA524 Plume spray force of three HFA-propelled ICS/LABA combination inhalers**  
Jonathan Marshall (Cambridge, United Kingdom), John Tuohy, Helen Danagher
- PA525 Assessment of the technique in different inhalation devices and investigating the factors associated with inhaler misuse in COPD patients**  
Chia-Lin Yang (Douliu, Taiwan), Shu-Hua Chang, Yen-Fu Chen, Chung-Yu Chen
- PA526 Do dry powder inhalers (DPIs) have a ‘Goldilocks Zone’ of inhalation? In vitro lung deposition of Budesonide/Formoterol (BUD/FORM) DPI with different inhalation profiles**  
Wim Vos (Heist-op-den-Berg, Belgium), Cedric Van Holsbeke, Jan De Backer, Jonathan Marshall
- PA527 In vitro evaluation of aerosolized delivery of various medications during mechanical ventilation**  
Hui-Ling Lin (Taoyuan, Taiwan), Tang-Pei Fang, Gwo-Hwa Wan, Ying-Huang Tsai, Szu-Hui Wang
- PA528 Impact of asthmatic patient satisfaction with the inhaler upon adherence, disease control and quality of life. Results of the ASCONA study**  
Fernando Gutierrez Pereyra (BARCELONA, Spain), Vicente Plaza, Victor Bustamante, Myriam Calle, Francisco Javier Contreras, Jordi Giner, Luis Maíz, Antonio Parra, Paula Ribó, Antonio Valero
- PA529 Pressurised metered dose inhalers (pMDIs) with integrated flow rate guidance.**  
Mark Sanders (Harlow, Essex, United Kingdom), Ronald Bruin, Cuong Tran
- PA530 Compared Aerosol Drug Delivery Efficacy of Two Types Nebulizer in Adult Mechanical Ventilator**  
Yu-yao Kao (Taoyuan, Taiwan), Chia-Chen Huang, Chi-Shan Hung, Eric Chen, Hui-Ling Lin
- PA531 Pharmacokinetics (PK) of a single dose AZD7594 administered intravenously (IV), orally, and inhaled via two dry powder inhalers (DPI) and a pressurized metered-dose inhaler (pMDI)**  
Yingxue Chen (Waltham, United States of America), Susanne Prothon, Ulf Eriksson, Henrik Forsman, Hong-lin Su, Mary Brown, Ajay Aggarwal, Helen Jackson
- PA532 Tools with inhalation technique feedback to improve and maintain pMDI use in asthma patients**  
Wesam Ammari (Amman, Jordan), Nathir Obeidat, Abed Rahman Anani, Reem AlKalbani, Mark Sanders
- PA533 CHF5993 pMDI (extrafine Beclometasone Dipropionate:BDP, Formoterol Fumarate:FF, Glycopyrronium Bromide:GB) reduces Clinically Important Deteriorations (CID) in COPD: post-hoc analysis of TRILOGY study.**  
Mario Scuri (PARMA, PR, Italy), Dave Singh, Alberto Papi, Stefano Vezzoli, Monica Spinola, Annamaria Muraro, Stefano Petruzzelli, Jorgen Vestbo

- PA534 Control of asthma, adherence to inhaled therapy and usefulness of the Test of Adherence to Inhalers (TAI). Results of the ASCONA study**  
Fernando Gutierrez Pereyra (BARCELONA, Spain), Vicente Plaza, Victor Bustamante, Myriam Calle, Francisco Javier Contreras, Jordi Giner, Luis Luis Maíz, Antonio Parra, Paula Ribó, Antonio Valero
- PA535 Never enough training – patient mistakes during inhalation therapy are repetitive.**  
Katarzyna uczak (Warszawa, Poland), Marta D browska, Marta Mischczuk, Izabela Domaga a, Wojciech Luba ski, Andrzej Leszczy ski, Marta Maskey-Warz chowska, Rafa Krenke
- PA536 Impact of short training of inhalation technique on the course of asthma and COPD**  
Marta D browska (Warszawa, Poland), Katarzyna uczak, Marta Mischczuk, Izabela Domaga a, Wojciech Luba ski, Andrzej Leszczy ski, Marta Maskey-Warz chowska, Renata Rubinsztajn, Joanna Hermanowicz-Salamon, Rafa Krenke

## Amber 3 + 4 (South)

## Session 94

10:45 - 12:45

## Poster Discussion: Pulmonary infection and inflammation

Chairs : Jayesh M. Bhatt (Nottingham, United Kingdom), Andrew Wilson (Perth, WA, Australia)

- PA537 Clinical characteristics differ in infants with bronchiolitis from RSV-A NA1, A ON1 and B strains**  
Raffaella Nenna (Roma, Italy), Antonella Frassanito, Alessandra Pierangeli, Carolina Scagnolari, Laura Petrarca, Carmelinda Di Matteo, Serena Arima, Fabio Midulla
- PA538 Adaptive immune response in RSV and RV bronchiolitis infants**  
Raffaella Nenna (Roma, Italy), Antonella Frassanito, Ilaria Schiavoni, Laura Petrarca, Teresa Arcuri, Alessandra Pierangeli, Carolina Scagnolari, Fedele Giorgio, Fabio Midulla
- PA539 BRONCHIOLITIS ASSOCIATED WITH VIRAL COINFECTIONS AND ASTHMA DEVELOPMENT**  
Maria Luz Garcia Garcia (Madrid, Spain), SERGIO QUEVEDO, CRISTINA CALVO, MERCEDES NAVARRO, LAURA REMEDIOS, NADIA ALVAREZ, MARIA MUÑOZ, ARACELI MARQUES, GERMAN VALERO, PATRICIA ALONSO, SARA BELLON, FRANCISCO POZO, INMACULADA CASAS, ANA TELLEZ
- PA540 Severity of respiratory syncytial virus bronchiolitis is increased in children with passive smoking exposure.**  
Clemens Maedel (WIEN, Austria), Katharina Kainz, Angela Zacharasiewicz , Thomas Frischer
- PA541 Reduced chemokine responses in human neonatal cells upon infection with RSV.**  
Martin Wetzke (Hannover, Germany), Sybille Haid, Lena Meyer-Decking, Thomas Pietschmann, Gesine Hansen, Christine Happle
- PA542 Accuracy of the primary care chest X-rays interpretation in children, hospitalized for acute respiratory infection.**  
Snezhina Lazova (Sofia, Bulgaria), Iren Tsocheva, Snezhana Parina, Evgenia Elencheva, Penka Perenovska
- PA543 Development of a short-term whole blood intracellular staining assay to characterize the immune profile of pediatric patients**  
ilaria schiavoni (Rome, Italy), antonella frassanito, raffaella nenna, pasqualina leone, fabio midulla, giorgio fedele
- PA544 Clinical and microbiological status in asthmatic preschool children during a severe exacerbation: the VIRASTHMA 2 study**  
Stéphanie Lejeune (Lille, France), Philippe Gosset, Ilka Engelman, Anny Dewilde, Rodrigue Dessenin, Guillaume Pouessel, Heloise Ducoin, Sarah Mitha, Céline Delvert, Sophie Boileau, Armelle Le Mee, Cecile Bonnel, Caroline Thumerelle, Clemence Mordacq, Muriel Pichavant, Antoine Deschildre
- PA545 Thrombocytopenia as a predictor of mortality in pediatric community acquired pneumonia.**  
Anubha Jain (VARANASI (UTTAR PRADESH), India), shally awasthi
- PA547 Pulmonary manifestations in patients with ataxia - telangiectasia [A-T].**  
Hanna Dme ska (Warszawa, Poland), Barbara Pietrucha, Edyta Heropolita ska - Pliszka
- PA548 Pediatric echinococcosis at high altitude: biggest pediatric case series study in the Peruvian Andes**  
Jorge Gustavo Hernandez Cordova (Lima 4, Peru), Ovidio Flores Quispe, Virgilio Failoc Rojas, Oscar Gayoso Cervantes
- PA549 Intersitial lung disease in children with mutation in the SFTPC and SFPTB gene: A two case report**  
Ly Diem (Ho Chi Minh, US Virgin Islands)
- PA550 The impact of national recommendations on antibiotic treatment of community acquired pneumonia. Do pediatricians follow the national guidelines?**  
Gra yna Kraj (Grójec, Poland), Katarzyna Krenke, Joanna Peradzy ska, Julita Ch dzy ska, Krystian Wo oszyn, Teresa Jackowska, Maria Krajewska, Anna Mo doch- ukasik, Agnieszka Czubik-Przyby a, Aneta Kot, Marek Kulus
- PA551 Epidemiologic and etiologic factors of progression from croup to laryngotracheobronchopneumonitis**  
Yong-Han Sun (Incheon, Republic of Korea)

**PA552 Attitudes And Knowledge Regarding Tuberculosis In High School Students, A Cross Sectional Survey In Northwest Peru**  
Jorge Gustavo Hernandez Cordova (Lima 4, Peru), Virgilio Efrain Failoc Rojas

**PA553 Giant pulmonary hydatid cyst in children**  
Alaa Aqqad (tunis, Tunisia), Besma Hamdi, Anissa Berraies, Khoulood Abdmouleh, Baraa Bdira, Jamel Ammar, Agnès Hamzaoui

Amber 5 + 6 (South)

Session 95

10:45 - 12:45

**Poster Discussion: Prognostic factors and outcomes in pulmonary embolism**

Chairs : David Jiménez Castro (Madrid, Spain), Olivier Sanchez (Paris, France)

**PA554 Age-Adjusted D-Dimer Cut Off: Could this prove cost-effective and safe for our Emergency Units? Authors: Mills M, Downey C, Townley S, Kasis A, Dutt T, Gautam M.** Introduction: A D-dimer test result (conventionally up to 500 g/L) is an important component of the diagnostic work-up for patients with suspected VTE, however, it is well known that D-Dimer levels rise with age. Although a negative D-Dimer in conjunction with a clinical probability score can be effective at excluding DVT/PE, studies have proposed that the use of an age-adjusted cut off can increase the number of patients excluded from further testing with a low likelihood of subsequent VTE. This study looked at unselected D-dimer requests from the Emergency department (ED) for patients with suspected DVT/PE to assess the potential impact of introducing age-adjusted D-dimer cut off limits.  
Azam Kasis (Liverpool, United Kingdom), Manish Gautam

**PA555 Is it really save to apply the age-adjusted D-dimer cutoff for ruling out pulmonary embolism?**  
Eveline van de Stadt (Enschede, Netherlands), Timon M. Fabius, Jennita Slomp, Leontine Mulder, Michiel M.M. Eijsvogel

**PA556 Pulmonary Embolism Lysis Team (PELT): Guiding thrombolysis in Sub-Massive PE (SMPE)**  
Thomas Mason (London, United Kingdom), Natalie Holmes, Boris Lams, Beverley Hunt, Karen Breen, Narayan Karunanithy, Gihan Hettiarachchi, Alex West

**PA557 Short-term mortality in patients with acute symptomatic pulmonary embolism**  
Ana Jaureguizar Oriol (MADRID, Spain), Pedro Ruiz Artacho, Deisy Diana Barrios Barreto, Raquel Morillo Guerrero, Beatriz Martín García, David Jiménez Castro, Manuel Monreal Bosch

**PA558 High prevalence of chronic breathlessness following submassive pulmonary embolism**  
Patrick Flood-Page (CARDIFF, United Kingdom)

**PA559 In patients with intermediate-low risk pulmonary embolism: cardiac enzyme or right ventricle dysfunction or sPESI**  
Funda Öztuna (Trabzon, Turkey), Sava Özsu, Mustafa Bugra Coskuner, Yılmaz Bulbul, Tevfik Özlü

**PA560 Incidence of Chronic Thromboembolic Pulmonary Hypertension (CTEPH) at six months of a Pulmonary Embolism (PE). OSIRIS Study**  
Raquel López, José Luis Lobo, David Jimenez, Alfonso Muriel, Carmen Fernández-Capitán, María Alfonso, Aitor Ballaz, Ana Nuñez, Consolación Rodríguez-Matute, Javier de Miguel, Manuel Monreal, Diego Agustin, Mercedes Alcalde, Fernando García-Bragado, Luis Manuel Hernández, Fernando Uresandi, Ramon Aguero, Remedios Otero Candelera, Fatima Del Molino

**PA561 Prognostic value of right ventricular dilatation in patients with low risk pulmonary embolism**  
Benoit Côté (Québec, Canada), Benoit Côté, Guy Meyer, Benjamin Planquette, Olivier Sanchez, David Jiménez

**PA562 Pulmonary embolism in England 1998-2015: increasing incidence and declining mortality.**  
Stephen Wort (Hampton, United Kingdom), Aleksander Kempny, Konstantinos Dimopoulos, Laura Price, Colm McCabe, Michael Gatzoulis

**PA563 Clinical and Epidemiological Features of Tumor and Non-tumor Patients Complicated with Pulmonary Embolism**  
Yavuz Havlucu (Manisa, Turkey), Pinar Celik, Tugba Göktaay, Aysın Sakar Coskun, Arzu Yorgancioglu

**PA564 Different mortality, recurrence and bleeding between cancer and non cancer patients with pulmonary embolism (PE): 1 year follow-up.**  
Letizia Marconi (Pisa, PI, Italy), Federica Restivo, Laura Carrozzi, Ferruccio Aquilini, Antonio Palla

**PA565 Half - dose of recombinant tissue-type plasminogen activator in the treatment of acute pulmonary embolism: long term outcomes**  
Habibe Oflaz Hezer (ANKARA, Turkey), Hatice Köklü, Osama Abuzaina, Canan Hasanoğlu, Aytegin Karalezli

**PA566 Prevalence and clinical predictors of persistent perfusion defects after acute pulmonary embolism**  
PURIFICACION RAMIREZ MARTIN (, Spain), Rossella D Amato

Amber 7 + 8 (South)

Session 96

10:45 - 12:45

## Poster Discussion: "Alarming" immunological patterns in asthma

Chairs : Marco Idzko (Freiburg, Germany), Alberto Papi (Ferrara, Italy)

- PA567 IL-33 augments rhinovirus-induced type 2 immune responses in asthma via selective upregulation of one chain of the IL-33 receptor.**  
John Upham (Brisbane, QLD, Australia), Lisa Jurak, Yang Xi
- PA568 Chronic persistence of human  $\gamma$ -herpesviruses and regulatory cells phenotypes in severe bronchial asthma.**  
Anna Konishcheva (Moscow, Russian Federation), Valentina Gervazieva, Schodova Svetlana
- PA569 T17 gene asthma signature characterized by sputum neutrophilia and regular use of antibiotics**  
Jörgen Östling (Möln dal, Sweden), Marleen van Geest, Zala Rojnik, Ratko Djukanovic, Peter Sterk, Fan Chung, Outi Vaarala, U Biopred Study Group
- PA570 The features of cellular immunity in patients with treatment-resistant asthma**  
Zhanna Antanovich (MINSK, Belarus), Natalia Goncharova
- PA571 Epithelial derived cytokines IL-25, IL-33 and TSLP in obstructive lung diseases**  
Patrycja Nejman-Gryz (Warszawa, Poland), Katarzyna Gór ska, Magdalena Papli ska-Goryca, Ma gorzata Proboszcz, Rafa Krenke
- PA572 IL-33 in patients with severe uncontrolled allergic asthma**  
Elena Janeva (Skopje, FYROM (Macedonia)), Biserka Kaeva, Gorica Breskovska, Zlatica Goseva, Gjorcev Angelko, Marija Zdraveska, Deska Dimitrievska, Zoran Arsovski, Dejan Trajkov, Magdalena Dimitrova G
- PA573 Development of IL-33-induced asthmatic airway inflammation in human IL-3/GM-CSF/IL-5-transgenic NOG mice**  
Shuichiro Maruoka (Tokyo, Japan), Ryoji Ito, Mamoru Ito, Satoshi Nunomura, Kenji Izuhara, Yasuhiro Gon, Kaori Soda, Shu Hashimoto, Shoichiro Ota
- PA574 Eosinophils Stimulate Airway Sensory Nerve Growth in Asthma**  
Matthew Drake (Portland, United States of America), Emily Blum, Allison Fryer, David Jacoby, Gregory Scott, James Lee, Nancy Lee, Richard Costello
- PA575 Association between triclosan exposure levels and gut microbiota in asthmatic mice.**  
RYOJI HIROTA (NANKOKU, Japan), YUKIHIRO OHYA, KIWAKO YAMAMOTO, YUMA FUKUTOMI, GO MUTOH, TAKESHI NAKAMURA, HIROYUKI NAKAMURA
- PA576 Involvement of apoptosis signal-regulating kinase-1 in house dust mite-induced allergic asthma in mice**  
Shinichi Okamoto (Tokyo, Japan), Shuichiro Maruoka, Kota Tsuya, Yasuhiro Gon, Kenji Mizumura, Shu Hashimoto, Kaori Soda, Isao Naguro, Hidenori Ichijo
- PA577 Smoking in early developmental windows selectively affects male flies**  
Karolina-Theresa Neumann (Borstel, Germany), Karin Uliczka, Sebastian Reuter, Susanne Krauss-Etschmann, Christina Wagner
- PA578 The effect of montelukast during allergen sensitization period in house dust mite mouse model**  
Ji Won Lee (seoul, Republic of Korea), Hyun seung Lee, Woo Jung Song, Da Eun Park, Bo ram Bae, Heung Woo Park, Yoon Seok Chang, Sang Heon Cho, Ha kyeong Won, Sung Yoon Kang
- PA579 Monitoring the inflammatory heterogeneity in asthma with multiple biomarkers for multidimensional endotyping**  
Ioana Agache (Brasov/Brasov, Romania), Daniel S Strasser, Gabin M Pierlot, Hervé Farine, Kenji Izuhara, Cezmi A Akdis
- PA580 Increased serum MMP-3 in severe asthma is associated with oral steroid use; data from U-BIOPRED and BIOAIR cohorts**  
Richard Knowles (Stevenage, United Kingdom), Anna James, . on behalf of U-BIOPRED and BIOAIR study groups, Johan Kolmert, Craig Wheelock, Sven-Erik Dahlén, John-Olof Thörngren, Magnus Ericsson, Cristina Gomez
- PA582 Comprehensive characterization of asthma patients using the Bayesian Network Model**  
Ioana Agache (Brasov/Brasov, Romania), Daniel S Strasser, Gabin M Pierlot, Bernard Deffarges, Peter MA Groenen, Cezmi A Akdis
- PA584 Possible role of IL-25 in eosinophilic lung inflammation in patients with eosinophilic pneumonia**  
Shigeki Katoh (Okayama, Japan), Masaki Ikeda, Nobuhiro Matsumoto, Hiroki Shimizu, Mikio Oka

Blue 1 (North)

Session 97

10:45 - 12:45

## Poster Discussion: Paediatric asthma: treatment modalities and behavioural issues

Chairs : Alexander Möller (Zürich, Switzerland), Bart L. Rottier (Groningen, Netherlands)

PA585	<b>Pharmacokinetics of tiotropium administered by Respimat in adolescent asthma patients</b> Ashish Sharma (Biberach an der Riß, Germany), René Aalbers, Eckard Hamelmann, Stanley Goldstein, Petra Moroni-Zentgraf, Michael Engel, Christian Vogelberg
PA586	<b>Once-daily tiotropium Respimat add-on therapy improves lung function in children with moderate symptomatic asthma, independent of the degree of airflow obstruction</b> Christian Vogelberg (Dresden, Germany), David Halpin, Birgit Voelker, Michael Engel, Reinhold Luehmann, Eckard Hamelmann
PA587	<b>Omalizumab treatment reduces asthma exacerbations in children with moderate or severe persistent asthma</b> Jenya Antonova (South San Francisco, United States of America), Stanley Szeffler, Benjamin Trzaskoma, Benjamin Ortiz, Brandee Paknis, Ahmar Iqbal, Stanley Goldstein
PA588	<b>Comparative effectiveness of therapies for preschool children with recurrent wheezing</b> Jonathan Grigg (London, United Kingdom), Anjan Nibber, Elizabeth Hillyer, Alison Chisholm, David Price
PA589	<b>Relationship of recurrent wheezing with vitamins A,D,E metabolism in children with bronchiolitis under the age of three years</b> Ozge Yilmaz (Manisa, Turkey), Derya Sarilar, Hasan Yuksel, Cevval Ulman, Yurda Simsek, Raziye Yildiz, Esra Toprak Kanik
PA590	<b>Effect of treatment with positive airway pressure in bronchial hyper responsiveness in asthmatic children and adolescents.</b> Evelim Gomes (SAO PAULO/SP, Brazil), Maryjôse Mello, Maisi David, Dirceu Costa
PA591	<b>The effect of asthma on cardiorespiratory endurance (CRE) in children</b> Carlo De Pieri (Mogliano Veneto, Italy), Michele Arigliani, Maria Pia Francescato, Michael Vidoni, Maria Elena Ferrari, Paola Cogo, Mario C. Canciani
PA592	<b>The British Lung Foundation asthma management programme - improving children's asthma control</b> Will Carroll (Staffordshire, United Kingdom), Francis Gilchrist, Sadie Clayton, Warren Lenney
PA593	<b>Prenatal stress challenge in mice affects fetal lung development in a sex-specific manner.</b> Dimitra Zazara (Hamburg, Germany), Clara V Perani, Maria Emilia Solano, Petra C Arck
PA594	<b>Maternal depression affects child asthma, mediated by insecure attachment and autonomic dysregulation (vagal bias)</b> Beatrice L. Wood (Buffalo, United States of America), ChiunYu Hsu, Bruce Miller
PA595	<b>The relationship between childhood asthma and mental health conditions</b> Joshua Lawson (Saskatoon, SK, Canada), Donna Rennie, Roland Dyck, Don Cockcroft, Anna Afanasieva
PA596	<b>Temporal behavior of respiratory symptoms during infancy and associations with asthma at school age</b> Jakob Usemann (Basel, Switzerland), Binbin Xu, Edgar Delgado-Eckert, Insa Korten, Anne Schmidt, Pinelopi Anagnostopoulou, Olga Gorlanova, Elena Proietti, Claudia Kuehni, Martin Rösli, Philipp Latzin, Urs Frey
PA597	<b>Genome-wide association study of asthma symptoms despite inhaled corticosteroids use in Dutch children.</b> Niloufar Farzan (Utrecht, Netherlands), Susanne J Vijverberg, Natalia Hernandez-Pacheco, Maria Pino-Yanes, Anke-Hilse Maitland-van der Zee
PA598	<b>Assessing the utility of asthma medication monitoring sensors in a group of high risk asthmatic children</b> Heather Hoch (Denver, United States of America), Allison Kempe, John Brinton, Stanley Szeffler
PA599	<b>The pharmacist's role in managing and ameliorating childhood's asthma care: A descriptive and transversal study about 104 pharmacists in the city of Rabat in Morocco</b> Bousayna Iraqi (harhoura, Morocco), Imane Jroundi, Amina Iraqi, Chafiq Mahraoui
PA600	<b>Impact of antiviral therapy for acute obstructive bronchitis in preschool children</b> Elena Kondiurina (Novosibirsk, Russian Federation), Irina Tyuleneva, Elena Burtseva, Svetlana Trushakova, Mark Zak
PA601	<b>Nonadherence with asthma medication in teenagers</b> Kate Harris (London, United Kingdom), Gioia Mosler, Jonathan Grigg

Blue 2 (North)

Session 98

10:45 - 12:45

**Poster Discussion: Nursing practice across respiratory care pathways****Chairs :** Anne-Marie Russell (London, United Kingdom), Katleen Leceuvre (KESSEL-LO, Belgium)

PA602	<b>Increasing awareness among professional caregivers concerning palliative care needs of patients with COPD</b> Camilla Askov Mousing (Randers SØ, Denmark), Kirsten Lomborg, Helle Timm, Marit Kirkevold
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PA603	<b>Advance Care Planning (ACP) for end stage respiratory patients identified using the Hospital One year Mortality Rating (HOMR) tool</b> Trudy Hopkins (Sydney, NSW, Australia), Sarah-Jane Messum, Louise Deady, Andrew Dimitri, Linda Soars, Blanca Gallego-Luxan, David McKenzie, Meg Sands
PA604	<b>Advance care planning education in Pulmonary Rehabilitation – results from an Irish nationwide survey of Pulmonary Rehabilitation Programmes</b> Bettina Korn (Dublin, Ireland), Maria Baily-Scanlan, Leo Ribeiro, Julie Broderick
PA605	<b>Planning for the future - addressing the information gaps for people living with COPD</b> Bettina Korn (Dublin, Ireland), Damien Peelo, Deidre Shanagher
PA606	<b>A qualitative study of factors affecting nurses' referral of patients with COPD to a telemedicine intervention</b> Hanne Svenningsen (Rudkøbing, Denmark)
PA607	<b>Patients and families realizing their future with chronic obstructive pulmonary disease - a qualitative study</b> Gudrun Hlin Bragadottir (Kópavogur, Iceland), Bryndis S. Halldorsdottir, Þ. Soley Ingadottir, Helga Jonsdottir
PA608	<b>Outcomes of NIV in acute exacerbation of COPD in a stand alone nurse led Unit</b> Gail Miles (Chesterfield, Derbyshire, United Kingdom), Alison Phillips, Tracy Ward
PA609	<b>Quality of life of patients after lung transplantation</b> Tanja Žovko (Zagreb, Croatia), Sandra Karabatic, Andreja Sajnic, Senka Repovecki, Latinka Basara, Gordana Pavlisa, Marko Jakopovic, Miroslav Samarzija
PA610	<b>PERCEPTION OF CAREGIVERS ON THE CARE OF PATIENTS WITH COPD IN USE OF LTOT</b> Ilda de Godoy (Botucatu/Sp, Brazil), Giovanna Hass Bueno, IRMA Godoy
PA611	<b>The experience of patients with cystic fibrosis during pulmonary exacerbations: a mixed-method study</b> Gabriela Schmid-Mohler (Zürich, Switzerland), Ann-Louise Caress, Rebecca Spirig, Christian Benden, Janelle Yorke
PA612	<b>Severe asthma, the impact on intimacy and relationships: patients' perceptions of the role of health care professionals</b> Leanne Jo Holmes (Manchester, United Kingdom), Dorothy Ryan, Janelle Yorke
PA613	<b>Developing a specialist nurse telephone support line for patients with Interstitial Lung Disease.</b> Muhunthan Thillai (Cambridge, United Kingdom), Luis Matos, Emma Harris, Nicola Simler, Christine Fiddler, Helen Parfrey
PA614	<b>PhotoVoice – a reflection through the lens by people with respiratory illnesses</b> Bettina Korn (Dublin, Ireland), Maria Kane, Estibaliz Errazquin, Niki Byrne, GERALYN HYNES
PA615	<b>Nursing performance during bronchodilator testing: A multicenter descriptive study in Madrid, Spain.</b> Silvia Arranz Alonso (Madrid, Spain), Maria Enriquez Jimenez, Luisa Pareja Hernandez, Lidia Perera Lopez, Almudena Batanero Rodríguez, Yolanda Ramos Quispe, Paz Vaquero Lozano, Susana Alvarez Lopez, Carmen Mata Hernandez, Ana Frías Moreno, Ana Campillo Palomo, Marta Padilla Bernáldez, Victor Manuel Martinez Viola, Cristina Villar Laguna, Alicia Gomez Ramón
PA616	<b>Nurses' caring mind and self-management supports for patients with chronic pulmonary diseases</b> Mayumi Ueda (Kaga, Japan), Tomoko Hasegawa, Yoshiko Uehara, Kanae Kitano, Rika Tonami, Yoshimi Demura
PA617	<b>A Comparison of 2% lidocaine viscous versus 2% lidocaine solution for improving discomfort and satisfaction in patients undergoing flexible bronchoscopy</b> lavan sorasitrungsakun (Bangkok, Thailand), Napplika Kongpolprom, Daorong Ailachamroon, Khwanruean Wongmanee
PA618	<b>Significance of breathing exercises in bronchoscopy</b> Aleksandra Trupkovic (Duga Resa, Croatia), Andreja Sajnic, Vida John

TP-01 (Hall 4)

Session 102

12:50 - 14:40

**Thematic Poster: Clinical points to ponder in asthma**

Chairs : Michael Portelli (Nottingham, United Kingdom), Mariel Slater (East Yorkshire, United Kingdom), Laura Fregonese (London, United Kingdom)

PA628	<b>A novel hybrid approach to real-world data capture in a mepolizumab study</b> Sally Worsley (Stevenage, Hertfordshire, United Kingdom), Carys Bettinson, Namhee Kwon, Necdet B Gunsoy, Nirali Kotowsky, Hana Müllerová, Donny Chen, Margaret Richards, Keele Wurst, Frank Albers
PA629	<b>Longitudinal impact of depressive disorders on asthma control in adult patients</b> Valery Legris-Falardeau (Montréal, Canada), Simon L. Bacon, Kim L. Lavoie



PA630	<b>Proportion and exacerbation of asthma-COPD overlap syndrome in China: an interim non-interventional study</b> Fu-Qiang Wen (Chengdu, Sichuan, China), Jian Kang, Wanzhen Yao, Baiqiang Cai, Ping Chen, Jinping Zheng, Xia Ling, Hongyan Shang
PA631	<b>The effect of tiotropium bromide on lung function parameters in patients with asthma-COPD overlap syndrome</b> Ksenia Nazarenko (Kyiv, Ukraine), Yuriy Feschenko, Liudmyla Iashyna, Marina Polianskaja, Svitlana Moskalenko
PA632	<b>The prevalence of severe asthma in specialist care –identifying eligible candidates for biological therapies</b> Anna von Bülow (Kgs. Lyngby, Denmark), Vibeke Backer, Uffe Bodtger, Niels Ulrik Søes-Petersen, Susanne Vest, Ida Steffensen, Celeste Porsbjerg
PA633	<b>Associations of blood cytokines and eosinophils in severe asthma</b> Hana Müllerová (Uxbridge, Middlesex, United Kingdom), Hana Müllerová, Stewart Bates, Necdet Gunsoy, Peter Howarth, Frank Albers
PA634	<b>Adjustable maintenance dosing with budesonide/formoterol reduces asthma exacerbations compared with fixed dosing – 3-month study</b> Olha S. Tolokh (Lviv, Ukraine)
PA635	<b>Efficiency of potash mine (Sylvine) microclimate in bronchial asthma</b> Pavel Levchenko (Soligorsk, Belarus), Nataly Dubovik, Halina Baradzina, Dzmitry Zhurkin
PA636	<b>Economic costs of severe asthma in omalizumab-treated patients. FENOMA Study</b> Ana Gomez-Bastero (Sevilla, Spain), José Gregorio Soto-Campos, Paloma Campo, Ana Moreira , Ignacio DáVila
PA637	<b>Chronic cough: health status assessment with EQ-5D-5L questionnaire</b> Peter Siu Pan Cho (London, United Kingdom), Hannah Fletcher, Deokhee Yi, Richard Douglas Turner, Surinder Singh Biring, Irene Higginson
PA638	<b>A systematic review of the efficacy of proton pump inhibitors on refractory adult asthma.</b> Peijun Li (CHENGDU, China), Zongan Liang
PA639	<b>A study to define the microbiome of the asthmatic airway.</b> Eoin Hunt (Cork, Ireland), Chris Ward, Susan Laphorne, Joe Eustace, Paul O'Byrne, Barry Plant, John MacSharry, Desmond Murphy, Ashley Sullivan
PA640	<b>Elderly women and asthma: Findings from Korea national health investigations and asthma cohort</b> So-Young Park (Seoul, Democratic People's Republic of Korea), Jung-Hyun Kim, Hyouk-Soo Kwon, Tae-Bum Kim, Hee-Bom Moon, You Sook Cho, Hyo-Jung Kim
PA642	<b>Asthma in pregnant women</b> Dilyara Mazinova (Tashkent, Uzbekistan), Rustem Hayaliev
PA643	<b>The relationships between sarcopenia and decreased bone mineral density in each obstructive airway disease phenotype of Korea.</b> Dong won Lee (Andong, Republic of Korea), Jun hong Ahn, Hyun jung Jin, Kyung chul Shin, Jin hong Chung, Kwan ho Lee
PA644	<b>Excessive gestational weight gain in first trimester is a risk factor for exacerbation of asthma during pregnancy: A prospective study of 1,283 pregnancies</b> Zarqa Ali (Herlev, Denmark), Charlotte Suppli Ulrik, Lisbeth Nilas
PA645	<b>Evaluation of postoperative pulmonary complications in FEV1/FVC</b> Yu Mikami (Tokyo, Japan), Hirotaka Matsuzaki, Taro Ishimori, Minako Saito, Yukiyo Sakamoto, Yutaka Yatomi, Daiya Takai, Takahide Nagase, Taisuke Jo, Yasuhiro Yamauchi
PA646	<b>Asthma Control, Quality of Life and Emotional Feelings in a Real Life Setting - A Cross-sectional Study of Adult Asthma Patients in Japan: ACQUIRE-2</b> Soichiro Hozawa (Hiroshima, Japan), Mitsuru Adachi, Masanori Nishikawa, Atsushi Yoshida, Tatsunori Jinnai, Gen Tamura
PA647	<b>Once-daily tiotropium Respimat add-on therapy improves lung function and asthma control in moderate symptomatic asthma, independent of baseline characteristics</b> Thomas B. Casale (Tampa, United States of America), Eric Bateman, René Aalbers, Eugene Bleecker, Eli Meltzer, Birgit Voelker, Ralf Sigmund, Alberto de la Hoz, Huib Kerstjens

TP-02 (Hall 4)

Session 103

12:50 - 14:40

Thematic Poster: Bronchial asthma management

**Chairs :** Arnaud Bourdin (Montpellier Cédex 5, France), Mohankumar Thekkinkattil (Coimbatore (Tamil Nadu), India), K. Suresh Babu (Portsmouth, United Kingdom)

<b>PA648</b>	<b>Safety of airway clearance techniques, sputum induction and bronchoscopy in severe asthma</b> Reyenna Sheehan (Manchester, United Kingdom), Gael Tavernier, Sarah Diver, Robert Niven, Dorothy Ryan
<b>PA649</b>	<b>Efficacy of once-daily tiotropium Respimat in adults with asthma based on GINA Steps 2–5</b> Eugene R. Bleecker (Winston-Salem, United States of America), Roland Buhl, Mark FitzGerald, Eli Meltzer, Alberto de la Hoz, Ralf Sigmund, Huib Kerstjens
<b>PA650</b>	<b>The correlation between IL-16-295 T/C polymorphism and susceptibility to asthma</b> Jing Han (Guiyang, China), Xiangyan Zhang, Hong Fan
<b>PA652</b>	<b>The emotional impact of severe asthma upon intimacy and relationships</b> Leanne Jo Holmes (Manchester, United Kingdom), Janelle Yorke, Dorothy Ryan
<b>PA653</b>	<b>Presence of Aspergillus in the asthmatic airway and its relationship to disease severity</b> Ashley Sullivan (Cork, Ireland), Eoin B Hunt, Susan Laphorne, Chris Ward, Joseph Eustace, Paul M O'Byrne, Barry J Plant, John MacSharry, Desmond M Murphy
<b>PA654</b>	<b>Impact of mepolizumab on work productivity and activity impairment in severe eosinophilic asthma</b> Necdet B Gunsoy (London, United Kingdom), Sarah M Cockle, Frank C Albers, Scott Doyle, Rafael Alfonso Cristancho
<b>PA655</b>	<b>Sputum galactomannan in COPD patients with and without bronchiectasis</b> Stephanie Everaerts (LEUVEN, Belgium), Katrien Lagrou, Lieven Dupont, Bart Vanaudenaerde, Wim Janssens
<b>PA656</b>	<b>OSACO: an observational study in asthma-COPD overlap syndrome (ACOS)</b> Nicola Scichilone (Palermo, PA, Italy), Angelo Corsico, Chiara Allegrini, Marco Basile, Alida Benfante, Gianna Camiciottoli, Federica Albicini, Amelia Grosso, Massimo Pistolesi
<b>PA657</b>	<b>A new budesonide/formoterol inhalation therapy in patients with asthma, COPD and ACOS</b> Lilla Tamási (Budapest, Hungary), Gabriella Gálffy
<b>PA658</b>	<b>Effect of optimized anti-inflammatory treatment in patients with asthma and eosinophilic otitis media</b> Etsuko Tagaya (Tokyo, Japan), Hiroko Hara, Osamitsu Yagi, Tomohide Hanawa, Yoshihide Atsumi, Mitsuko Kondo, Jun Tamaoki
<b>PA659</b>	<b>The ARIETTA study: baseline demographics in a real-world setting in patients with severe asthma</b> Roland Buhl (Mainz, Germany), Stephanie Korn, Andrew Menzies-Gow, Michel Aubier, Ken Chapman, Giorgio Canonica, Cesar Picado, Margarita Donica, Peter Button, Klaus Kuhlbusch, Stephan Korom, Nicola Hanania
<b>PA660</b>	<b>Investigation of co-morbid factors in patients with vocal cord dysfunction (VCD)</b> Claire Slinger (Clitheroe, United Kingdom), Aash Vyas, Richard Slinger
<b>PA661</b>	<b>Asthma-COPD overlap (ACOS): what are the consequences of 40-year age limit?</b> Minna Tommola (Seinäjoki, Finland), Pinja Ilmarinen, Leena Tuomisto, Hannu Kankaanranta
<b>PA662</b>	<b>The impact of asthma on quality of life, anxiety and depression scores</b> Ângelo Cunha (Ipatinga/Mg, Brazil), Ângelo Cunha, Maria do Patrocínio Nunes, Maria Aparecida Ribeiro Paula, Felipe Dias Wanderley Carvalho, Thiago Gonçalves Brasil, Augusto Zbonik Mendes
<b>PA663</b>	<b>Asthma and chronic rhinosinuitis: comparative evaluation of IgE plasma level, CD23+ and blood eosinophils</b> Nathalia Chichkova (Moscow, Russian Federation), Vladimir Fisenko, Evgenii Gitel
<b>PA664</b>	<b>Baseline Control and Management of First Year University Students' Asthma</b> Hassan Burhan (Liverpool, United Kingdom), Jeehan Saleh, Lowri Evans, Helen Rigg, Nadja Van Ginnekin, Ian Sinha, Gareth Jones, Diane Exley, Theresa Nuttal
<b>PA665</b>	<b>Asthma exacerbations in the emergency department (ED): re-audit of PEFr recording, severity grading and primary care follow-up after the introduction of a staff education program</b> Harriet Protheroe (Birmingham, United Kingdom), Grace Cooper, Duncan Wilson, Ben Sutton
<b>PA666</b>	<b>Pulmonary artery remodeling in an equine model of severe asthma.</b> Serena Ceriotti (Dairago, Italy), Michela Bullone, Francesco Ferrucci, Jean-Pierre Lavoie
<b>PA667</b>	<b>Asthma Control and the Influence of Valved Holding Chamber (VHC) Type: Results from a Real World, Retrospective Study</b> Jason Suggett (London, ON, Canada), Vlad Kushnarev, Chakkarin Burudpakdee

TP-03 (Hall 4)

Session 104

12:50 - 14:40

**Thematic Poster: COPD management**

**Chairs :** Franziska Trudzinski (Homburg/Saar, Germany), Matthias Held (Wuerzburg, Germany), Frits M.E. Franssen (Horn, Netherlands), Evgeni Mekov (Sofia, Bulgaria)

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- PA668** **Development of a COPD model of care in a rural District General Hospital in Highland Scotland**  
Lorna Murray (London, United Kingdom), Kay Cordiner, Michelle Duffy, Darrell Sutherland, Shellie Hamilton, Judith Colligan, Heidi May, Georgia O'Haire, Gavin Hookway
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- PA669** **Adherence to inhaled therapies in COPD patients from 7 Latin America countries: the LASSYC study**  
Maria Montes De Oca (Caracas, Venezuela), Ana Menezes, Luis Ugalde, Victorina Lopez, Filip Surmont, Alejandra Ramirez\_Venegas, Alejandro Casas, Laura Mendoza, Ana López, Marc Miravittles
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- PA670** **Simulated-use study of inhaler usability in patients with COPD**  
Bo Ding (Mölnådal, Sweden), Shahid Siddiqui, Michael DePietro, Gunilla Petersson, Ubaldo Martin
- 
- PA671** **Misuse of inhalers devices in clinical practice**  
António Manuel Silva Duarte De Araújo (Braga, Portugal), António Manuel Silva Duarte De Araújo, Pedro Teixeira, Maria Figueiredo, Venceslau Hespagnol, Jaime Correia-de-Sousa
- 
- PA672** **Understanding patient' adherence to inhaled medication: the social representations of COPD**  
António Manuel Silva Duarte De Araújo (Braga, Portugal), António Manuel Silva Duarte De Araújo, Pedro Teixeira, Maria Figueiredo, Venceslau Hespagnol, Jaime Correia-de-Sousa
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- PA674** **Clinical audit of COPD in outpatient respiratory clinics in Spain. Effect of specialized COPD clinics and general respiratory clinics: the EPOCONSUL study**  
Gianna Vargas Centanaro (MADRID, Spain), Juan Rigual Bobillo, Joan B. Soriano, José Luis López-Campos, Juan J. Soler-Cataluña, Bernardino Alcázar Navarrete, José Miguel Rodríguez González-Moro, Jose Luis Rodríguez Hermosa, Myriam Calle Rubio
- 
- PA675** **Effect of erdosteine on the rate and duration of COPD exacerbations: the RESTORE study (Reducing Exacerbations and Symptoms by Treatment with ORal Erdosteine).**  
Roberto Walter Dal Negro (Verona, Vr, Italy), Jadwiga A. Wedzicha, Martin Iversen Iversen, Giovanni Fontana, Clive Page, Arrigo F. Cicero, Edoardo Pozzi, Peter M.A. Calverley
- 
- PA676** **Association of COPD inhaled medication adherence with hospitalization for acute exacerbation of COPD (AECOPD)**  
Maurizio Moretti (Modena, Italy), Sara Balestracci, Anna Porcu, Tiziana Pianta, David Mignani, Biagio Marsiglia
- 
- PA677** **Inhaled corticosteroids in stable COPD – international recommendations and reality in Bulgaria**  
Bilyana Stancheva (SOFIA, Bulgaria), Ventsislava Pencheva, Daniela Petrova, Ognian Georgiev, Maria Kamusheva, Guenka Petrova, Maria Dimitrova
- 
- PA678** **Chinese subgroup results from a study comparing single-inhaler triple therapy with dual therapy in COPD**  
du Xin ( ), Cindy Liu, Linda Luo, Lochy Xiao, Aik Han Goh
- 
- PA679** **Efficacy of aclidinium/formoterol: pooled post hoc analysis of patients naïve to COPD maintenance therapy**  
Dave Singh (Manchester, United Kingdom), Anthony D D'Urzo, James F Donohue, Edward Kerwin, Eduard Molins, Ferran Chuecos, Anna Ribera, Diana Jarreta
- 
- PA680** **Degree of control in COPD patients at Primary Care and Pulmonology clinics: Study SINCON**  
Jose Miguel Rodriguez Glez-Moro (Alcalá de Henares, Spain), Adolfo Baloira, Estefanía Sanjuan, Juan Antonio Trigueros, Ricard Casamor
- 
- PA681** **Effect of olodaterol once-daily on heart rate in GOLD 2–4 COPD patients**  
Stefan Andreas (Immenhausen, Germany), Matthias Trampisch, Michaela Haensel, Ulrich Bothner, Roland Buhl
- 
- PA682** **Treatment of COPD Exacerbation in Switzerland - results and recommendations of the European COPD Audit**  
Desiree Schumann (Basel, Switzerland), Michael Buess, Daniel Schilter, Tino Schneider, Marc Maurer, Heinz Borer, Robert Thurnheer, Erich KöHler, Lilian Junker, Kathleen Jahn, Michael Grob, Jochen Rüdiger, Thomas Geiser, Erich Helfenstein, Markus SolèR, René Fiechter, Thomas Sigrist, Patrick Brun, Jürg Barandun, Eva Koltai, Jose Luis Lopez-Campos, Sylvia Hartl, Michael Roberts, Michael Tamm, Daiana Stolz
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- PA683** **LABA/LAMA combination, exercise and lung hyperinflation in COPD: a meta-analysis**  
Mario Cazzola (Roma, Rm, Italy), Luigino Calzetta, Josuel Ora, Francesco Cavalli, Denis E. O'Donnell, Paola Rogliani
- 
- PA684** **Oxygen compared to air driven nebulisers for acute exacerbations of COPD: a randomised controlled trial.**  
George Bardsley (Hornsea, United Kingdom), Steve McKinstry, Janine Pilcher, James Fingleton, Mark Weatherall, Richard Beasley
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**PA685 Erdosteine is effective as a treatment for acute exacerbation of COPD: a systematic review of clinical trials**  
Maurizio Moretti (Modena, Italy), Edoardo Pozzi

**PA686 E-health technologies in pneumonia and COPD patients mortality decreasing**  
Vitaly Mishlanov (Perm, Russian Federation)

**PA687 ACTIVATE: effect of acclidinium/formoterol on physical activity in patients with COPD**  
Henrik Watz (Großhansdorf, Germany), Thierry Troosters, Kai M Beeh, Judith Garcia-Aymerich, Pierluigi Paggiaro, Eduard Molins, Massimo Notari, Diana Jarreta, Esther Garcia Gil

TP-04 (Hall 4)

Session 105

12:50 - 14:40

**Thematic Poster: Extrapulmonary comorbidities in COPD**

**Chairs :** Miriam Barrecheguren Fernandez (BARCELONA, Spain), Wouter H. van Geffen (Leeuwarden, Netherlands), David M. G. Halpin (Exeter Devon, United Kingdom), Anders Løkke (Højbjerg, Denmark)

**PA688 Use of heart failure medications in outpatients with COPD and congestive heart failure: a Danish nationwide cohort study**  
Daniel Rasmussen (Glumsø, Denmark), Uffe Bodtger, Peter Lange, Magnus Jensen

**PA689 Effects of nebivolol and ivabradine on myocardial ischemia in patients (pts) with COPD and stable angina during 24-hour ambulatory Holter ECG monitoring.**  
Oleksandr Fesenko (Slobozhanske, Ukraine), Tetyana Pertseva

**PA690 Chronic obstructive pulmonary disease and erectile dysfunction: a missed relationship**  
Maria Aurora Pinto Mendes (Penafiel, Portugal), Margarida Dias, Maria João Oliveira, Pedro Oliveira, Inês Ladeira, Ricardo Lima, Miguel Guimarães

**PA691 Sarcopenia in Japanese patients with COPD: prevalence, relationship with COPD severity.**  
Hiroyuki Nakamura (kagawa, Japan), Takuya Inoue, Kiyotaka Tanimoto, Chiaki Kunikata

**PA692 The effect of obesity on dyspnea, 6 minute walk distance, walk work and workload in patients with COPD**  
Hülya Do an ahin (Istanbul, Turkey), Hülya Do an ahin, Iknur Naz, Yelda Varol, Berna Kömürçüo lu

**PA693 Effects of Roflumilast on subclinical atherosclerosis in COPD - a randomized controlled trial**  
Matthias Urban (WIEN, Austria), Matthias Urban, Nicole Kreibich, Georg-Christian Funk, Otto Chris Burghuber

**PA694 Determination of the optimal questionnaire to identify mental disorders COPD in patients (pts)**  
Yuliia Huba (Dnipropetrovsk, Ukraine), Lyudmyla Konopkina

**PA695 Comparison of severity of clinical, functional signs of COPD with the frequency and severity of mental disorders**  
Yuliia Huba (Dnipropetrovsk, Ukraine), Lyudmyla Konopkina, Tetyana Pertseva

**PA696 The types and frequency of mental disorders in COPD patients (pts) according to severity of COPD**  
Yuliia Huba (Dnipropetrovsk, Ukraine), Lyudmyla Konopkina

**PA697 Role of skeletal muscle dysfunction in the deterioration of life quality in patients with COPD**  
Vitalii Poberezhets (Vinnytsia, Ukraine), Yuriy Mostovoy, Hanna Demchuk

**PA698 Disease-specific medication, patient-reported diagnoses and their relation to COPD severity for common comorbidities in COPD**  
Peter Alter (MARBURG, Germany), Tanja Lucke, Ronald Herrera, Margarethe Wacker, Rolf Holle, Frank Biertz, Dennis Nowak, Kathrin Kahnert, Rudolf M Huber, Sandra Söhler, Claus Vogelmeier, Joachim H Ficker, Rudolf A Jörres

**PA699 Reactive hyperemia peripheral arterial tonometry as a measure of endothelial dysfunction in COPD**  
Desiree Schumann (Basel, Switzerland), Andreas Scherr, Werner Strobel, Michael Zellweger, Michael Tamm, Daiana Stolz

**PA700 Association between percentage of fat mass and endothelial function in patients with chronic obstructive pulmonary disease**  
Abril Jimenez Cepeda (saltillo, Mexico), Arturo Orea-Tejeda, Dulce Gonzalez-Islas, Guillermo Perez-Cortes, Leslie Verdeja-Vendell, Ana Penaloza-Navarrete, Luis Felipe Castillo-Aguilar, Viridiana Pelaez-Hernandez, Rocio Sanchez-Santillan, Sonia Torres-Montiel, Alejandro Figueroa-Herrera, Bernardo Robles-Urbe

**PA701 The presence and impact of chronic kidney disease in COPD patients, data from the German COSYCONET cohort**  
Franziska Trudzinski (Homburg/Saar, Germany), Mohammad Alqudrah, Frederik Seiler, Franz Biertz, Armin Koch, Claus Vogelmeier, Tobias Welte, Henrik Watz, Sebastian Fähndrich, Robert Bals, Jörres Rudolf

- PA702 Endothelial function in patients with tobacco and biomass smoke-related COPD**  
Guillermo Karey Perez Cortes (Mexico City, Mexico), Arturo Orea-Tejeda, Dulce Gonzalez-Islas, Luis Felipe Castillo-Aguilar, Abril Jimenez-Cepeda, Leslie Verdeja-Vendrell, Ana Grecia Navarrete-Penalosa, Rocio Sanchez-Santillan, Viridiana Pelaez-Hernandez, Bernardo Robles-Urbe, Sonia Catalina Torres-Montiel, Alejandro Figueroa-Herrera, Alejandra Ramirez-Venegas
- PA703 COPD and Metabolic Syndrome: correlations between smoking, insulin resistance and vitamin D levels**  
Maria Rosaria Vulpi (Toritto, Italy), Vito Liotino, Anna Castrovilli, Giuseppina Piazzolla, Cosimo Tortorella, Emanuela Resta, Carlo Sabbà, Onofrio Resta
- PA704 The cardiovascular comorbidity and the risk of stroke by means of CHADS2- VASc scale in patients with chronic obstructive pulmonary disease.**  
Ekaterina Kochetova (Petrozavodsk, Republic of Karelia, Russian Federation)
- PA705 Pathophysiological features of chronic obstructive pulmonary disease in obese patients**  
Alaa Aqqad (tunis, Tunisia), Hela kamoun, Ikbelle Khalfallah, Chirine Moussa, Dorra Greb, Ines Akrouf, Hejar Abdelghaffar, Hela Hassen, Hanen Smadhi, Leila Fekih, Mohammed Lamine Megdiche

## TP-05 (Hall 4)

## Session 106

12:50 - 14:40

## Thematic Poster: Clinical challenges in chronic lung diseases

**Chairs :** Maurizio Marvisi (Cremona, Italy), Sara Ramponi (Cingia de' Botti CR, Italy), Michael Kreuter (Heidelberg, Germany), Dario Olivieri (Parma, Pr, Italy)

- PA706 Pulmonary disease in intermediate alpha1-antitrypsin deficient patients**  
Ana Filipa Cruz e Costa (taveiro, Portugal), Raquel Saraiva, Mariana Asseiro
- PA707 Physician perspectives: barriers to diagnosing and treating severe AATD**  
Gabriel Thabut (PARIS, France), Maria Canotilho, Jan Chlumsky, Joanna Chorostowska-Wynimko, Luciano Corda, Eric Derom, Joachim H. Ficker, Ildikó Horváth, Meinhard Kneussl, Marc Miravittles, Karin Schmid-Scherzer, Maria Sucena, Alice Turner, Emily Van 't Wout, N. G. McElvaney
- PA708 Alfa1-antitrypsin deficiency (AATD) newborn screening in Province of Bolzano: first investigation of the screened subjects at the age over than 18 years old.**  
Christine Seebacher (Bolzano, Italy), Ilaria Ferrarotti, Giulio Donazzan, Angelo Guido Corsico
- PA709 Physician perspectives: monitoring severe AATD and optimising treatment**  
Ildikó Horváth (Budakeszi, Hungary), Ildikó Horváth, Maria Canotilho, Jan Chlumský, Joanna Chorostowska-Wynimko, Luciano Corda, Eric Derom, Joachim H. Ficker, Meinhard Kneussl, Marc Miravittles, Karin Schmid-Scherzer, Maria Sucena, Gabriel Thabut, Alice Turner, Emily Van 'T Wout, N. G. McElvaney
- PA710 Safety of bi-weekly intravenous therapy with alpha-1 antitrypsin**  
Timm Greulich (Marburg, Germany), Jan Chlumsky, Marion Wencker, Oliver Vit, Michael Fries, Thomas Chung, Claus Vogelmeier, Kenneth R. Chapman, N. G. McElvaney
- PA711 Phenotyping Adults with Non-Cystic Fibrosis Bronchiectasis:A 5-Year Cohort Study in a Azerbaijan medical University Center**  
Alizamin Sadigov (Baku, Azerbaijan), Ibrahim Isayev, Jabrail Mammadov
- PA712 A follow up Study of TB patients put on DOTS from South India**  
Venugopal Kunjupillai (Alappuzha (Kerala), India), P.R Sreelatha, R.S NISHA
- PA713 Identification of high risk factors for development of active tuberculosis in children with latent tuberculosis infections**  
Anna Starshinova (St Petersburg, Russian Federation), Semion Ananiev, Ulia Ovchinnikova, Irina Dovgaluk, Piotr Yablonskiy
- PA714 The spectrum of drug susceptibility of slow-growing nontuberculous mycobacteria (MAC, M. kansasii, M. xenopi)**  
Marina Makarova (Moscow, Russian Federation), Vitalii Litvinov, Elena Khachatourians, Maria Krasnova, Lydia Guntupova
- PA715 Health related quality of life among adult patients with non cf bronchiectasis:the role of psychological status and disease severity**  
Berrin Ceyhan (Istanbul, Turkey), Melahat Bekir, Sehnaz Olgun Yildizeli, Derya Kocakaya, Emel Eryuksel
- PA716 The adventure of bronchiectasis patients through 13 years: clinical follow-up, microbiology, surgery and mortality**  
Fatma Isil Uzel (Istanbul, Turkey), Sedat Altın, Esin Tuncay, Feyma Özden, Derya Çenger, Ali Cevat Kutluk, Celalettin Kocatürk

PA717	<b>Chronic cough: Are we integrating non-pharmacological therapies into treatment plans?</b> Bashar Al-Sheklly (Manchester, United Kingdom), Imran Satia, Huda Badri, Saif Khalid, Ashley Woodcock, Jacky Smith, Jemma Haines
PA718	<b>Chronic cough: sensitivity and specificity of symptom scales in screening for high cough frequency</b> Peter Siu Pan Cho (London, United Kingdom), Hannah Fletcher, Richard Douglas Turner, Surinder Singh Birring
PA719	<b>The role of Fiberoptic Bronchoscopy (FOB) in the evaluation of chronic cough</b> Muthu Thirumaran (Wakefield, United Kingdom), Akshay Dwarakanath, Ahsan Iftikhar, Louise Flint
PA720	<b>Hand strength as a predictor of prolonged hospital stay days in patients with chronic obstructive pulmonary disease</b> Leslie Verdeja Vendrell (Mexico, Mexico), Arturo Orea Tejeda, Dulce González Islas, Ana Grecia Navarrete Peñaloza, Rafael de Jesús Hernández Zenteno, Abril Guadalupe Jiménez Cepeda, Guillermo Karey Pérez Cortés, Luis Felipe Castillo Aguilar, Viridiana Peláez Hernández, Francisco Alejandro Figueroa Hernández, Sonia Torres Montiel, Bernardo Robles Uribe, Rocío Nayelly Sánchez Santillán
PA721	<b>Caregiver health behaviours of patients with cardiorespiratory failure</b> Bernardo Robles Uribe (Ciudad de Mexico, Mexico), Arturo Orea Tejeda, Viridiana Pelaez Hernandez, Dulce Gonzalez Islas, Alejandro Figueroa Herrera, Sonia Torres Montiel, Rocio Sanchez Santillan, Guillermo Karey Perez Cortes, Abril Jimenez Cepeda, Ana Navarte Penaloza, Leslie Vendrell Verdeja
PA722	<b>Evaluation of the relationship between COPD and osteoporosis in Japanese patients</b> Hiroyuki Ohbayashi (Kitanagoya City, AICHI. PREF., Japan)
PA723	<b>Is response to ambulatory oxygen associated with survival in hypoxemic respiratory patients</b> Ahmed Sadaka (Alexandria, Egypt), MI Polkey, NS Hopkinson, Andrew Montgomery
PA724	<b>Indacaterol/glycopyrronium (IND/GLY) improves lung function, health status and rescue medication use vs salmeterol/fluticasone (SFC) independent of symptom response: The FLAME study</b> Nicolas Roche (Paris, France), Kenneth Chapman, Stefan- Marian Frent, Michael Larbig, Francesco Patalano, Steven Shen, Robert Fogel, Donald Banerji
PA725	<b>Changing in the content of antiphospholipid antibodies during exacerbation of chronic simple bronchitis caused by reactivation of chronic cytomegalovirus infection (CMVI) in women in the second trimester of pregnancy</b> Igor Gorikov (Blagoveshchensk, Amur Oblast, Russian Federation), Mikhail Lutsenko, Leonid Nakhamchen

TP-06 (Hall 4)

Session 107

12:50 - 14:40

**Thematic Poster: Clinical problems in lung diseases**

**Chairs :** Enrico Maria Clini (Modena, Italy), Jelle Rindert Miedema (Rotterdam, Netherlands), Wim Wuyts (Rotselaar, Belgium), Nikolaos M. Siafakas (Heraklion, Crete, Greece)

PA726	<b>Treatment of idiopathic pulmonary fibrosis (IPF) with nintedanib: an experience from the compassionate use program (CUP) in Estonia</b> Alan Altraja (Tartu, Estonia), Pille Mukk, Anneli Poola, Pilleriin Liiva, Marget Savisaar, Eve Rannu, Kaija Tammekivi, Kai Kliiman
PA727	<b>Accuracy of a clinical diagnosis of idiopathic pulmonary fibrosis. A study of 404 pulmonologists from 57 countries.</b> Simon Walsh (London, United Kingdom), David Hansell, Toby Maher, Richard Nusser, Margaret Wilsher, Venerino Poletti, Carlo Vancheri, Luca Richeldi, Paolo Spagnolo, Sara Tomassetti, Vincent Cottin, Bruno Crestani, Dominiue Valeyre, Hilario Nunes, Kevin Brown, Brett Ley, Fernando Martinez, Ganesh Raghu, Kevin Flaherty, Jan C. Grutters, Marlies Wijnsenbeek, Hiroyuki Taniguchi, Yoshikazu Inoue, Yasuhiro Kondoh, Moises Selman, Tamera Corte, Ian Glaspole, Martin Kolb, Kerri Johannson, Chris Ryerson, Elisabeth Bendstrup, António Morais, Maria Molina Molina, Wim Wuyts, Juergen Behr, Michael Kreuter, Katerina Antoniou, Athol Wells, George Margaritopoulos, Maria Kokosi, Vasilis Kouranos, Eoin Judge
PA728	<b>Diagnosis of lung diseases based on proteomic analysis of exhaled breath condensate</b> Eldar Anaev (Moscow, Russian Federation), Miyasat Kushaeva, Kristina Fedorchenko, Anna Ryabokon`, Alexey Kononikhin, Oleg Pikin, Evgeny Nikolaev, Sergey Varfolomeev, Alexander Chuchalin
PA729	<b>Severe sarcoidosis: a comparative study</b> Rana Fessi (tunis, Tunisia), Haifa Zaibi, Jihen Ben Amar, Sarra Maazaoui, Mohamed Ali Baccar, Salwa Azzabi, Besma Ourari, Hichem Aouina
PA730	<b>Effects of a standard hyperbaric oxygen treatment protocol on pulmonary functions and diaphragm</b> SEVDA COMERT (Istanbul, Turkey), Selin Gamze Sumen, Benan Caglayan
PA731	<b>A Nationwide Structure for Valid Long-Term Oxygen Therapy: 29 year prospective data in Sweden</b> Zainab Ahmadi (Lund, Sweden), Hillevi Larsson, Tove Nilsson, Josefin Wahlberg, Kerstin Ström, Bengt Midgren, Magnus Ekström

PA732	<b>The Regional Respiratory Programme and key outcomes in Kent Surrey &amp; Sussex</b> Jo Congleton (Hove, United Kingdom), Tom D'Auvergne, Emma Cox, Julia Bott
PA733	<b>Assessment of the probability of lung cancer diagnosis using authorial predictive scale. Pilot study.</b> Szymon Skoczyński (Katowice, Poland), Ewelina Tobaczyk, Marta Wierczyńska, Adam Barczyk
PA734	<b>Sensitive and specific detection of lung cancer DNA in bronchial washing by a novel methylation-specific droplet digital PCR</b> Elena Miotto (Ferrara, Italy), Gian Luca Casoni, Elena Saccenti, Susanna Mascetti, Debora Rasio, Irene Marchi, Rosa Rinaldi, Giovanni Lanza, Alberto Papi, Silvia Sabbioni, Franco Ravenna, Massimo Negrini
PA735	<b>Ambulatory Chest Drainage: Assessment of Efficacy, Safety and Outcome in Pleural Diseases</b> Prajay Lunia (MUMBAI (MAHARASHTRA), India), UNNATI DESAI, JYOTSNA JOSHI
PA736	<b>Swyer-James-Macleod syndrome: report of three cases</b> Daniela Patrícia Cunha Machado (Rio Tinto, Portugal), Daniela Patrícia Cunha Machado, Filipa Lima, Catarina Marques, Regina Monteiro
PA737	<b>Family matters – Birt-Hogg-Dubé is a rare but important cause of pneumothorax</b> Laurits Frøssing (Copenhagen V, Denmark), Laurits Frøssing, Lars Pedersen, Saher Shaker
PA738	<b>Lung damages in adult patients with Common Variable Immunodeficiency and X-linked agammaglobulinemia.</b> Marina Karakina (Ekaterinburg, Sverdlovsk Oblast, Russian Federation)
PA739	<b>Radiological and pathological features of intrapulmonary lymph nodes.</b> Yoko Kida (Kobe, Japan), Syuji Yamashita, Masahiro Kaneko, Hiromi Tomioka, Nobuyuki Katakami, Eiji Katsuyama, Masahiko Takeo
PA740	<b>Extraesophageal reflux (EER)--diagnostics and therapy in respiratory patients</b> Miloš Pešek (Plzeň, Czech Republic), Lucie Zdrhova, Radka Bittenglova, Terezie Turkova-Sedlackova, Karel Balihar, Peter W. Dettmar
PA741	<b>The Associations among Responses during Mechanical Ventilator Weaning and its Outcomes in Adult ICU: A Prospective Study</b> Yu-Ju Chen (Taipei, Taiwan), Kun-Lun Huang, Ching-Yi Lee
PA742	<b>The Analysis Of Pulmonary Risk Factors In Preoperative Evaluation</b> Muzaffer Onur Turan (Izmir, Turkey), Funda Uluorman
PA743	<b>Management of Pulmonary Carcinoid</b> Neena Patel (Birmingham, United Kingdom), Anitha Vijayasingham, William Ricketts

**TP-07 (Hall 4) Session 108 12:50 - 14:40**

**Thematic Poster: Best abstracts in pulmonary rehabilitation in patients with chronic lung diseases**

**Tag(s) :** Smoking prevention and cessation (HLFL)

**Chairs :** Rachael A. Evans (Market Harborough, United Kingdom), Vasileios Andrianopoulos (Schönau a. Königssee, Germany), Elena Gimeno-Santos (Barcelona, Spain)

PA744	<b>Compare the safety of constant-load or intensity interval training for clinically stable patients with moderate and severe asthma</b> Ronaldo Aparecido Da Silva (Sao Paulo/Sp, Brazil), Patrícia Gonçalves Leite Rocco, Flávio Mazzucatto, Douglas Silva Queiros, Rafael Stelmach, Regina Maria de Carvalho-Pinto, Milton Arruda Martins, Celso Ricardo Fernandes Carvalho
PA745	<b>High Intensity Resistance Training Improves Respiratory, Peripheral, Quality of Life and Emotional Response in Elderly with Parkinson Disease</b> Erik Artur Cortinhas Alves (Belém, Brazil), Wilson Mateus Gomes da Costa Alves, Thiago Gonçalves Gibson Alves, Tiago Alencar de Lima, Renilson Moraes Ferreira, Evitom Correa de Sousa, Rodolfo Paula Vieira
PA746	<b>Adherence to exercise training in Pulmonary Arterial Hypertension (PAH) and impact of concurrent health problems</b> Joanna Ford (Glasgow, United Kingdom), Alison MacKenzie, Fiona Kennedy, Val Irvine, Karon Carson, Rachel Thomson, Andrew Peacock, Colin Church, Martin Johnson
PA747	<b>Does pulmonary hypertension exclude pulmonary rehabilitation in patients with COPD?</b> Anastasios Kallianos (Athens, Greece), Maria Charikiopoulou, LEMONIA VELENTZA, Evaggelos Bekas, Alexis Kokolios, Eleni Rekliti, Maria Bletsas, Georgia Trakada, Aggeliki Rapti

<b>PA748</b>	<b>Echographic assessment of diaphragm and rectus femoris in COPD patients before and after a pulmonary rehabilitation program</b> Sebastian Ferri (Catania, CT, Italy), Teresa Augelletti, Raffaele Campisi, Enrico Heffler, Ramona Sorrentino, Nunzio Crimi
<b>PA749</b>	<b>The hand-held fan &amp; the Calming Hand for people with chronic breathlessness: a feasibility trial.</b> Flavia Swan (Hull, United Kingdom), Miriam Johnson
<b>PA750</b>	<b>The effects of two different education programs in patients with asthma</b> Aysel Yildiz ( STANBUL, Turkey), Begum Unlu, Ufuk Yurdalan, Ilksan Demirbuken, Semra Oguz
<b>PA751</b>	<b>Postoperative rehabilitation in COPD patients with lung cancer</b> Alina Ionela Croitoru (Sos. Viilor, Sector 5, Romania), Daniela Jipa, Marius Sava, Monica Chirea, Irina Pele, Ciprian Bolca, Irina Strambu, Stefan Dumitrache-Rujinski, Claudia Toma, Miron Bogdan
<b>PA752</b>	<b>Post-pulmonary rehabilitation exercise adherence and exercise performance in COPD and ILD</b> William Bulman (New York, United States of America), Byron Thomashow, Robert Basner, Nichole Pieszchata, Ashley Goodman, Aimee Layton
<b>PA753</b>	<b>Supervised exercise training program in subjects with congenital heart disease: effects on aerobic capacity and functional mobility</b> Alessandra Favoriti (Terni, Italy), Giancarlo Tancredi, Valeria Tromba, Desiree Mollicone, caterina Iambiase, Paola Sbriccoli, francesca morelli, ilaria rosati, davide puglisi
<b>PA754</b>	<b>Pre- and post-lung transplant pulmonary rehabilitation in Hungary.</b> Janos Tamas Varga (Budapest, Hungary), János Tamás Varga, Krisztina Kelemen, Aniko Bohacs, Krisztina Czebe, George Victor Agathou, Maria Kerti, Zsuzsanna Balogh, Judit Petro, Eszter Csiszer, Gyorgy Lang
<b>PA755</b>	<b>IMPACT OF A COMMUNITY-BASED EXERCISE PROGRAM ON PULMONARY FUNCTION IN MIDDLE-AGE AND OLDER PATIENTS WITH TYPE 2 DIABETES</b> Joelma Clotilde Costa Da Silva (Vila Nova de Gaia, Portugal), Cláudia Pinto, Carlos Vasconcelis, António Almeida, Paulo Subtil, Romeu Mendes
<b>PA756</b>	<b>Assessment of pulmonary rehabilitation (PR) safety in patients with chronic respiratory diseases</b> Francesco Gigliotti (Firenze, Italy), Elisabetta Maria Romano, Emanuele Vulpio, Alessio Lazzeri, Carla Castellani, Isabella Romagnoli, Barbara Lanini, Francesca Gandi
<b>PA757</b>	<b>Effects of pulmonary rehabilitation in asthma patients</b> Ana Raquel Caldas Marçôa (Matosinhos, Portugal), Rita Linhas, Inês Ladeira, Ricardo Lima, Regina Monteiro, Ivone Pascoal, Aurora Carvalho
<b>PA758</b>	<b>High intensity interval training increases aerobic fitness, health related quality of life and clinical control in patients from moderate to severe asthma</b> Ronaldo Aparecido Da Silva (Sao Paulo/Sp, Brazil), Patricia Gonçalves Leite Rocco, Flavio Mazzucato, Thiago Fernandes, Alberto Cukier, Rafael Stelmach, Regina Maria de Carvalho-Pinto, Milton Arruda Martins, Celso Ricardo Fernandes Carvalho
<b>PA759</b>	<b>Healthcare professionals (HCPs) attitudes towards referring patients to pulmonary rehabilitation (PR); a cross sectional exploratory survey</b> Rachel Tuffnell (Sevenoaks, United Kingdom), Daniel Davis, Victoria Lord, Lynda Haggis, Irem Patel, Alex Harvey
<b>PA760</b>	<b>Pulmonary rehabilitation in COPD exacerbator phenotype</b> Paulo José Zimmermann Teixeira (Porto Alegre/Rs, Brazil), Ivo Bohn Jr., Álvaro Huber dos Santos, Cassia Cinara Costa, Rafael Machado de Souza, Paulo José Zimmermann Teixeira
<b>PA761</b>	<b>Early pulmonary rehabilitation after acute exacerbation of COPD</b> Jakob Lyngby Kjaergaard (Brønshøj, Denmark), Jakob Lyngby Kjærgaard, Carsten Juhl, Torgny Wilcke
<b>PA762</b>	<b>Bundling' COPD Care</b> Shyam Krishnan (Kolkata (West Bengal), India), Tarang Kulkarni, Alope Ghoshal, Raja Dhar
<b>PA763</b>	<b>Effectiveness of a community based pulmonary rehabilitation (PR) programme for patients with chronic obstructive pulmonary disease (COPD): A retrospective review</b> samantha perryman (GILLINGHAM, United Kingdom), Suraj Rajput, Sandip Banerjee

TP-08 (Hall 4)

Session 109

12:50 - 14:40

Thematic Poster: Latest insights into functional capacity, muscle weakness and physical activity in chronic lung diseases

Tag(s) : Smoking prevention and cessation (HLfL)



**Chairs :** Maurice Hayot (Montpellier Cédex 5, France), Maria Koulopoulou (London, United Kingdom), Mara Paneroni (Mazzano, Italy)

<b>PA765</b>	<b>Comparison of 6-minute walking distance test due to different oxygen conserving devices.</b> Tomomi Ichiba (Tokyo, Japan), Tetsuo Miyagawa, Naoki Miyao
<b>PA767</b>	<b>Electrical stimulation therapy in children with muscle dysfunction: a systematic review</b> Paulo Magalhaes (Recife, Brazil), Bárbara Silva, Alanna Vasconcelos, Erika Andrade, Armêle Dornelas, Cyda Reinaux, Joaquim Malta
<b>PA768</b>	<b>Inspiratory muscle performance predicts response to physical therapy in patients with chronic low back pain</b> Marlon Wong (Coral Gables, United States of America), Magno Formiga, Neil Spielholz, Samuel Cheng, Lawrence Cahalin
<b>PA769</b>	<b>CHARACTERIZATION AND SURVIVAL OF PATIENTS WITH SPINAL MUSCLE ATROPHY TYPE 1 ON HOME MECHANICAL VENTILATION PROGRAM OF MINISTRY OF HEALTH, CHILE</b> Roberto Vera Uribe (Santiago, Chile), Rodrigo Torres-Castro, Rebeca Paiva Reinerio, Carolina Suranyi Gonzalez, Daniela Valdés Sepulveda, Luis Vasconcello, Marisol Barros Poblete, Javiera Rosales, Raul Valenzuela, Paola Pontoni
<b>PA770</b>	<b>Cardiopulmonary exercise test to predict pulmonary rehabilitation outcome in chronic obstructive pulmonary disease (COPD)</b> Dario Nieri (Pisa, Italy), Maria Adelaide Roggi, Giovanna De Cusatis, Marzia Pedreschi, Sabrina Santerini, Romina Vargiu, Barbara Vagaggini, Pierluigi Paggiaro, Sandra Antonelli
<b>PA771</b>	<b>Can we stratify our approach on physical activity and exercise in patients with COPD?</b> Ne e Merve Kartal (MAN SA, Turkey), Neil J. Greening, Mark Orme, Katy Mitchell, Theresa C Harvey-Dunstan, Sally J.Singh
<b>PA772</b>	<b>Is psychological stress associated with smoking and physical activity levels in patients in the CanCOLD Study?</b> Simon Bacon (Montreal, Canada), Kim Lavoie, Nicola Paine, Wan Tan, Pei Li, Laura Labonte, Shawn Aaron, Andrea Benedetti, Kenneth Chapman, Brandie Walker, Mark Fitzgerald, Paul Hernandez, Fancois Maltais, Darcy Marciniuk, Denis O'Donnell, Don Sin, Jean Bourbeau, . CanCOLD Collaborative Research Group, . Canadian Respiratory Research Network
<b>PA773</b>	<b>Effect of pedometer education on daily physical activities in patients with stable COPD.</b> Yuko Sano (Tokyo, Japan), Rokuro Matsuoka, Yoko Sato, Shinobu Kimura, Shyoji Mihara, Hajime Kurosawa
<b>PA774</b>	<b>Systemic inflammation and the time spent moving by COPD patients with weight loss</b> Atsuyoshi Kawagoshi (Akita city, Japan), Kohko Yamada, Masahiro Iwakura, Kazuki Ohkura, Noritaka Kiyokawa, Keiyu Sugawara, Hitomi Takahashi, Masahiro Satake, Takanobu Shioya
<b>PA775</b>	<b>Physical inactivity and sedentary time in severe asthma: prevalence and associations.</b> Laura Cordova-Rivera (New Lambton, Australia), Peter Gibson, Paul Gardiner, Vanessa McDonald
<b>PA776</b>	<b>Physical Activity patients following lung resection for non-small cell lung cancer</b> Yorihide Yanagita (Hamamatsu, Japan), Masaki Oomagari, Hikaru Machiguchi, Takaya Ogawa, Shinichi Arizono, Ryo Kozi
<b>PA777</b>	<b>Home based pulmonary rehabilitation with pedometers in Indonesian COPD patients.</b> Kiki Widyastuti (Tanjung Enim, Indonesia), Dewi Nurul Makhbah, Ana Rima, Yusup Subagio Sutanto, Suradi Suradi, Nicolino Ambrosino
<b>PA778</b>	<b>THE IMPACT OF PULMONARY REHABILITATION ON PHYSICAL ACTIVITY AND PHYSICAL FITNESS LEVELS IN LUNG TRANSPLANT CANDIDATES; PRELIMINARY STUDY RESULTS</b> Esra Pehlivan ( STANBUL, Turkey), Fatma Mutluay, Lütfiye K l ç, Erdo an Kunter, Candan Algun
<b>PA779</b>	<b>Correlation between exercise capacity and different functional markers as an effectiveness of pulmonary rehabilitation in COPD. Kerti M, Balogh Zs, Kelemen K, Varga J</b> National Koranyi Institute for TB and Pulmonology, Department of Pulmonary Rehabilitation Mária Kerti (Budapest, Hungary), Zsuzsanna Balogh, Krisztina Kelemen, Janos Varga
<b>PA780</b>	<b>Is pulmonary rehabilitation impact different regarding the 6 minute walk test distance in hypercapnic COPD patients?</b> Leonor Meira (Leça da Palmeira, Portugal), Rita Boaventura, Vanessa Santos, David Araújo, Paulo Viana, Emília Araújo, Paula Martins, Luís Gaspar, Isabel Gomes
<b>PA781</b>	<b>Will the gains related to pulmonary rehabilitation continue in the first month after rehabilitation?</b> Elif Özar Y ld r m (Istanbul, Turkey), Elif Özar Y ld r m, pek Ozmen, Ozgur Y lmaz, Murat Ozturk, Ruya Ayd n, Nurgul Yer
<b>PA782</b>	<b>Influence of body mass index in exercise capacity in patients with chronic obstructive pulmonary disease under pulmonary rehabilitation</b> Eva Filipa de Sousa Antunes Dias Padrão (Braga, Portugal), Eva Filipa de Sousa Antunes Dias Padrão, Boaventura Rita, Meira Leonor, Santos Vanessa, Luís Gaspar, Paula Martins, Emília Araújo, Paulo Viana, Isabel Gomes

- PA783 Effectiveness of pulmonary rehabilitation on exercise capacity among different groups of patients with chronic obstructive pulmonary disease**  
Maria Kryfti (Nicosia, Cyprus), Tonia Adamide, Stella Fkiara, Andreas Georgiou

TP-09 (Hall 4)

Session 110

12:50 - 14:40

**Thematic Poster: Imaging markers for COPD and asthma**

**Chairs :** Reinhard Kubale (Pirmasens, Germany), Wim Vos (Heist-op-den-Berg, Belgium), Eric Hoffman (Iowa City, United States of America), Alejandro A Diaz (Arlington, United States of America)

- PA784 Value of CT in patients with bronchiectasis for detection of PCD**  
Jessica Rademacher (Hannover, Germany), Felix Ringshausen, Amir Faschkami, Jan Fuge, Hoen-oh Shin, Jens Vogel-Claussen, Tobias Welte, Frank Wacker, Sabine Dettmer
- PA785 18F-fluorodeoxyglucose (18F-FDG) PET/CT assessment of aortic inflammation and calcification in COPD**  
Susan Fernandes (Edinburgh, United Kingdom), Gourab Choudhury, Aleksander Marin, Martin Connell, John Murchison, Edwin van Beek, William MacNee
- PA786 Ultrasonographic assessment of diaphragm dysfunction in acute exacerbations of COPD**  
Andrea Smargiassi (Roma, Rm, Italy), Gioacchino Schifino, Bruno Iovene, Linda Tagliaboschi, Giuseppe Maria Corbo, Riccardo Inchingolo, Luca Richeldi
- PA787 Reproducibility of the main pulmonary artery to ascending aorta ratio (PA:A) in real-world, non-research chest CT scans**  
Henry Jason Biem (Beaconsfield, Canada), Sandra Biem, Fadi Aris, Henry Jay Biem, Ronald Dandurand
- PA788 Relationship of quantitative CT with clinical and biological measures in COPD**  
Kristoffer Ostridge (Southampton, United Kingdom), Nicholas Williams, Viktoriya Kim, Stephen Harden, Karl Staples, Emmanuel Aris, Mathieu Peeters, Jeanne-Marie Devaster, Simon Bourne, Tom Wilkinson
- PA789 Considering the value of initial CT scans in COPD patients referred to the pulmonologists.**  
Gamida Ismailova (Zwolle, Netherlands), Erwin de Boer, Martijn F. Boomsma, Jan Willem van den Berg
- PA790 The Effects Of Bronchiectasis Severity On Outcomes Of Chronic Obstructive Pulmonary Disease Exacerbation**  
Nurdan Köktürk (Ankara, Turkey), Zeynep I kdo an, Nurdan Köktürk, Dilek Yapar, P nar Karkaku , H. Koray K l ç, Gonca Erba
- PA791 Repeatability of real world, non-research chest CT scan-based lung density metrics**  
Ronald Dandurand (Beaconsfield, Canada), Myriam Dandurand, Raúl San José Estépar, Jean Bourbeau, David Eidelman
- PA792 Analysis of blood eosinophil levels in relation to CT measured airway wall thickness and emphysema in end-stage COPD**  
Hubertus D. Luijk (Utrecht, Netherlands), Esther Pompe, Joost Jansen, Erik-Jan Oudijk, Johanna M. Kwakkel-van Erp, Ed A. van de Graaf , Pim A. de Jong, Firdaus A. Mohamed Hoesein
- PA793 Longitudinal changes in structural abnormalities using MDCT in chronic obstructive pulmonary disease**  
Naoko Kawata (Chiba, Japan), Shin Takayanagi, Yuji Tada, Jun Ikari, Yukiko Matsuura, Shin Matsuoka, Shoichiro Matsushita, Noriyuki Yanagawa, Yasunori Kasahara, Koichiro Tatsumi
- PA794 A predictive model for classifying COPD patients according to CT emphysema extent by using functional data and BMI**  
Mariaelena Occhipinti (Firenze, Italy), Matteo Paoletti, Francesca Bigazzi, Marco Palazzi, Viola Bonti, Gianna Camiciottoli, Massimo Pistolesi, Kanoe Russell
- PA795 GOLD-associated shape variations in central airway tree assessed via QCT**  
Juerg Tschirren (Coralville, United States of America), Stephen McEleney, Jered Sieren, Amin Motahari, Meilan Han, Graham Barr, Eugene Bleecker, Alejandro Comellas, Christopher Cooper, David Couper, Nadja Hansel, Richard Kanner, Fernando Martinez, John Newell, Prescott Woodruff, Eric Hoffman
- PA796 Desaturation on exertion is associated with emphysema severity on CT**  
Kristoffer Ostridge (Southampton, United Kingdom), Nicholas Williams, Viktoriya Kim, Karl Staples, Emmanuel Aris, Mathieu Peeters, Jeanne-Marie Devaster, Simon Bourne, Tom Wilkinson, Stephen Harden
- PA797 The variable relationship between changes in lung density and FEV1 in smokers**  
Alejandro A Diaz (Arlington, United States of America), Matthew Strand, Harvey Coxson, James Ross, Raul San Jose , David Lynch, Eva Van Rikxoort, Gregory Kinney, John Hokanson, Edwin Silverman, James Crapo, George Washko
- PA798 Spectrum of pulmonary Parametric Response Maps in Asthmatic patients: defining asthma subtypes**  
Mariaelena Occhipinti (Firenze, Italy), Charles Hatt, Leonello Fuso, Martina Sbarra, Carola Condoluci, Giuseppe Macis

PA799	<b>Five-year MRI study of ventilation heterogeneity in asthma</b> Rachel L. Eddy (London, Canada), Sarah Svenningsen, David McCormack, Grace Parraga
PA800	<b>Fourier-decomposition of free-breathing pulmonary proton MRI in asthma</b> Dante Capaldi (London, Canada), Khadija Sheikh, Rachel Eddy, Sarah Svenningsen, David McCormack, Grace Parraga
PA801	<b>The impact of a high fine particle fraction inhaled long acting <math>\beta_2</math> agonist (Formoterol) on airway function in asthma: evaluation with oxygen enhanced MRI and multiple breath washout.</b> Marcia Soares (LEICESTER, United Kingdom), Jose Ulloa, Joanne Wormleighton, Barnes Daniel, Parker Geoff, Salman Siddiqui
PA802	<b>Functional respiratory imaging demonstrates heterogeneous alterations in airway mechanics and airflow during bronchoconstriction.</b> Emily Dunn (Newcastle West, Australia), Wim Vos, Jan De Backer, John Brannan, Barry Soans, Chris Grainge
PA803	<b>MDCT Parametric Response Mapping Identifies Loss of Lung Terminal Bronchioles in COPD</b> Meilan Han (, Canada), Dragos Vasilescu, Nathaniel Marchetti, Craig Galban, Kevin Heist, Amir Lagstein, Rishindra Reddy, Catherine Meldrum, Brian Ross, Carlos Martinez, Wassim Labaki, Ella Kazerooni, Gerard Criner, Fernando J Martinez, James C Hogg, MeiLan Han

**TP-10 (Hall 4) Session 111 12:50 - 14:40**

**Thematic Poster: Endoscopic lung volume reduction (EVLV) and targeted lung denervation (TLD)**  
**Chairs :** Dirk-Jan Slebos (Groningen, Netherlands), Arschang Valipour (Wien, Austria), Maren Schuhmann (Heidelberg, Germany), Daniela Gompelmann (Heidelberg, Germany)

PA804	<b>Endoscopic valve removal &gt;180 days since implantation in patients with severe emphysema</b> Daniela Gompelmann (Heidelberg, Germany), Vasiliki Gerovasili, Konstantina Kontogianni, Nilab Sarmand, Maren Schuhmann, Felix JF Herth, Ralf Eberhardt
PA805	<b>Low flow phenotype during Chartis assessment: correlation with fissure integrity</b> Ralf-Harto Huebner (Berlin, Germany), Eva M Van Rikxoort, Theilig D, Christoph Ruwwe-Glosenkamp, Pierre Grandjean, Sri Radhakrishnan, Ryan Oliveira, Christa Niehaus, Frank Reichenberger, Wolfgang Gesierich
PA806	<b>Role of pulmonary rehabilitation after bronchoscopic treatment of emphysema</b> Luca Bianchi (Lumezzane (Brescia), Italy), Michela Bezzi, Giordano Bozzola, Alessandra Montini, Mara Paneroni, Mauro Novali, Alma Berlendis, Gundi Steinhilber, Michele Vitacca, Simona Marino
PA807	<b>Comparative efficacy and safety of surgical and bronchoscopic approaches to lung volume reduction</b> William Bulman (New York, United States of America), Patricia Jellen, Maureen Carroll, Joshua Sonett, Mark Ginsburg, Byron Thomashow, Roger Maxfield
PA808	<b>Ability for dynamic hyperinflation increases after bronchoscopic lung volume reduction in patients with severe emphysema.</b> Karin Klooster (Groningen, Netherlands), Jorine E. Hartman, Nick H.T. ten Hacken, Dirk-Jan Slebos
PA809	<b>Patient-specific goals significantly improve after endobronchial coil treatment in emphysema</b> Jorine Hartman (Groningen, Netherlands), Karin Klooster, Nick ten Hacken, Dirk-Jan Slebos
PA810	<b>The effect of endobronchial valves on body composition in patients with advanced emphysema</b> Karin J. C. Sanders (Maastricht, Netherlands), Karin Klooster, Annemie M. W. J. Schols, Dirk-Jan Slebos
PA811	<b>Impact of lung volume reduction coils on patient's physical activity</b> Carmen Pizarro (BONN, Germany), Sophia Hollmann, Izabela Tuleta, Georg Nickenig, Dirk Skowasch
PA812	<b>Clinical and quantitative CT (QCT) predictors of response to lung volume reduction treatment using coils (LVRC)</b> Konstantina Kontogianni (Heidelberg, Germany), Kanoe Russell, Daniela Gompelmann, Feiran Jiao, Susan Wood, Ralf Eberhardt, Felix Herth
PA813	<b>New bacterial growth in bronchial secretions after bronchoscopic valve implantation</b> Nilab Sarmand (Heidelberg, Germany), Konstantina Kontogianni, Daniela Gompelmann, Felix Herth, Ralf Eberhardt
PA814	<b>CT derived emphysema sub-lobar phenotype distribution: perspectives for endoscopic approach</b> Diogo Oliveira (PORTO ALEGRE/RS, Brazil), Joschua Schirm, Jered Sieren, Juerg Tschirren, Feiran Jiao, Amarilio Macedo-Neto, Hugo Oliveira
PA815	<b>Development of bulla in the ipsilateral untreated lobe following Endoscopic Lung Volume Reduction (ELVR) with valves</b> Jane Winantea (ESSEN, Germany), Kedar Hibare, Kaid Darwiche

<b>PA816</b>	<b>The effect of bronchoscopic lung volume reduction treatment on pulmonary ventilation and perfusion: comparison of valve and coil methods</b> Yavuz Selim Intepe (Yozgat-Merkez, Turkey), Bayram Metin, Seyhan Karacavus, Eylem Y ld r m, Sener Y ld r m
<b>PA817</b>	<b>Interventional endobronchial valve placement in major hemoptysis – a case series</b> Kathleen Jahn (Basel, Switzerland), Mirjam Osthoff, Peter Grendelmeier, Michael Tamm
<b>PA818</b>	<b>Targeted Lung Denervation improves COPD symptoms and health related quality of life at 6-months</b> Dirk-Jan Slebos (Groningen, Netherlands), Arschang Valipour, Pallav L Shah, Christophe Pison, GaëTan Deslee
<b>PA819</b>	<b>Improved pulmonary resistance in healthy sheep following Targeted lung denervation (TLD)</b> Philip J. Johnson (Plymouth, United States of America), Martin Mayse, James P. Hummel, Kristina Rouw
<b>PA820</b>	<b>Demonstration of pulmonary denervation using the Hering-Breuer reflex following Targeted lung denervation (TLD)</b> Philip J. Johnson (Plymouth, United States of America), Martin Mayse, Kristina Rouw
<b>PA821</b>	<b>Targeted lung denervation; an evaluation of power dose effect</b> Philip J. Johnson (Plymouth, United States of America), Martin Mayse, Kristina Rouw

## TP-11 (Hall 4)

## Session 112

12:50 - 14:40

## Thematic Poster: EBUS

**Chairs :** Artur Szlubowski (Kraków, Poland), Jouke T. Annema (Amsterdam, Netherlands), Rocco Trisolini (Bologna, BO, Italy), Laurence M.M.J. Crombag (Huizen, Netherlands)

<b>PA822</b>	<b>Combined endosonography by use of single ultrasound bronchoscope for non-small cell lung cancer staging with use of 25 gauge needles</b> Artur Szlubowski (Kraków, Poland), Maciej Gnass, Anna Filarecka, Stanis aw Orzechowski, Ewa Pasko, Jerzy Soja, Joanna W grzyn, Juliusz Pankowski, Lucyna Rudnicka, Adam miel
<b>PA823</b>	<b>Comparison of diagnostic performance of 19-gauge and 21-gauge needles during endobronchial ultrasound-guided transbronchial needle aspiration</b> Ilias Porfyridis (Nicosia, Cyprus), Frangiskos Frangopoulos, Paris Vogazianos , Panayiota Kara, Michalis Michael, Alexis Papadopoulos , Tonia Adamide, Andreas Georgiou
<b>PA824</b>	<b>Prospective single center study: predicting lymph node malignancy through EndoBronchial Ultrasound Strain Elastography</b> Roel Verhoeven (Vinkel, Netherlands), Chris de Korte, Erik van der Heijden
<b>PA825</b>	<b>PET-CT high-SUV mediastinal lymph nodes (MLN) in primary or treated extrathoracic malignancy – “Not all that lights up is malignant”</b> Pavankumar Biraris (DHULIA (M.S. ), India), Pavan Yadav, Kumar Kallur, Satyanarayana Gowda, Ravindra Mehta
<b>PA826</b>	<b>Randomized trial to evaluate the utility of suction and inner-stylet of EBUS-TBNA</b> Chengshui Chen (Wenzhou, Zhejiang, China), Min Ye, Xiaoxiao Lin, Yuping Li, Ko-Pen Wang
<b>PA827</b>	<b>Adequacy of endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) sampling for molecular testing in pulmonary adenocarcinoma</b> Faheem Khan (Dublin 24, Ireland), Neena Kalsi, Muhammad Tufail, Rakesh Panchal, Jonathan Bennett
<b>PA828</b>	<b>Elastography in the diagnosis of hilar and mediastinal lymph nodes</b> Daniela Gompelmann (Heidelberg, Germany), Konstantina Kontogianni, Nilab Sarmand, Philine Kaukel, Ralf Eberhardt, Felix JF Herth
<b>PA829</b>	<b>Do sonographic features of lymph nodes predict the anthracotic benign pathology in ex-coalminers with PET positive lymph nodes?</b> Müge Meltem Tor (Istanbul, Turkey), Müge Meltem Tor, Bulent Altinsoy, Fatma Erboy
<b>PA830</b>	<b>Optimize efficiency of EBUS-TBNA: Prospective evaluation of the aspiration on site by a non-pathologist – About 1325 procedures</b> Youcef Douadi (Amiens, France), Charles Dayen, Charlotte Trouve, Remi Suguenot, Isabelle Rault, Houcine Bentayeb, Emmanuelle Lecuyer, Faouzi Amirats, Vincent Jounieaux, claire Andrejak, Laure André
<b>PA831</b>	<b>Endobronchial ultrasound (EBUS) characteristics of benign and malignant mediastinal lymph nodes</b> Marco Damin (Padova, PD, Italy), Silvia Zagallo, Umberto Fantoni, Graziella Turato, Davide Biondini, Manuel G Cosio, Marina Saetta
<b>PA832</b>	<b>The effect of 19G EBUS-TBNA biopsies on characterisation of malignant and benign disease</b> Rachel Jones (BRISTOL, United Kingdom), Andrew Medford

<b>PA833</b>	<b>Pneumomediastinum following EBUS-TBNA in patients with Pulmonary Fibrosis</b> Louise Brockbank (LIVERPOOL, United Kingdom), Jennifer Marlow, Colin Smyth, Binukrishnan Sukumaran, Gemma Bates, Martin Walshaw, Kamlesh Mohan
<b>PA834</b>	<b>Morphometric analysis of cell blocks obtained by endobronchial ultrasound-guided needle aspiration in lung cancer</b> Patricia Azahara Raya Marquez (Barcelona, Spain), Carmen Angela Centeno Clemente, Felipe Andreo Garcia, Marta Avila, Enric Carcereny, AM Muñoz, Jose Ramirez, Maria del Pilar Armengol, Mohamed Torkey, Juan Ruiz Manzano
<b>PA835</b>	<b>Endobronchial Ultrasound-Guided Transbronchial Needle Aspiration is useful for the Diagnosis of malignant lymphoma</b> Yu-Deok Choi (Gwangju, Republic of Korea), Sang-Yun Song, Chul-Kyu Park
<b>PA836</b>	<b>Diagnostic performance and complications of 396 EBUS-TBNA procedures performed under bronchoscopist-directed conscious sedation</b> Giorgio Crosta (Cardano al Campo, Va, Italy), Maria Cattoni, Silvia Casale, Cinzia Gambarini, Elisa Nardecchia, Dino La Salvia, Andrea Imperatori, Lorenzo Dominioni, Nicola Rotolo
<b>PA837</b>	<b>Adequacy of EBUS-TBNA specimens for molecular testing in lung adenocarcinoma</b> Leonello Fuso (Roma, Rm, Italy), Daniele Magnini, Francesco Varone, Antonietta Pecoriello, Ettore D'Argento, Salvatore Corallo, Guido Fadda, Maurizio Martini, Damiano Arciuolo
<b>PA838</b>	<b>Does rapid onsite cytology provided by a biomedical scientist (BMS) affect the diagnostic yield of endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA)? A repeat audit of the experience of a UK general hospital.&gt;</b> Alexandra Ewence (Salisbury, United Kingdom), Jonathan Macintyre, Timothy Ho, John Seymour, Alexandra Higton
<b>PA839</b>	<b>EBUS-TBNA in isolated mediastinal/hilar lymphadenopathy: diagnostic performance in a high volume UK center</b> Sasiharan Sithamparanathan (Beaconsfield, United Kingdom), Richard Harrison, Vandana Jeebun
<b>PA840</b>	<b>Per-Esophageal Needle Aspiration of Parenchymal Lung Lesions and mediastinal lymph node using an endobronchial ultrasound (EBUS) Bronchoscope</b> Yochai Adir (Haifa, Israel), Amir Abramovich, Omar Hakrush, Sonia Schneer

## TP-12 (Hall 4)

## Session 113

12:50 - 14:40

## Thematic Poster: ILDs: clinical aspects

**Chairs :** Sara Tomassetti (Forlì, FO, Italy), Nazia Chaudhuri (Sheffield, United Kingdom), Carlo Vancheri (Catania, CT, Italy), António Manuel Martins Morais (Maia, Portugal)

<b>PA841</b>	<b>Quantitative assessment of erector spinae muscles by CT in patients with idiopathic pulmonary fibrosis</b> Hirotosugu Ohkubo (Nagoya, Japan), Hiroyuki Taniguchi, Yasuhiro Kondoh, Yoshihiro Kanemitsu, Taiki Furukawa, Akio Niimi
<b>PA842</b>	<b>Translation and initial validation of the Saint George's Respiratory Questionnaire, IPF-specific version</b> Thomas Skovhus Prior (Århus N, Denmark), Janelle Yorke, Ole Hilberg, Elisabeth Bendstrup
<b>PA843</b>	<b>Respiratory comorbidities and risk of mortality in hospitalized patients with idiopathic pulmonary fibrosis.</b> Keishi Oda (Fukuoka, Japan), Takashi Kido, Toshinori Kawanami, Kazuhiro Yatera
<b>PA844</b>	<b>Adjustment of GAP model for Japanese patients with idiopathic pulmonary fibrosis</b> Hirotaka Nishikiori (Sapporo, Japan), Hirofumi Chiba, Shun Kondoh, Yuichiro Asai, Atsushi Saito, Kimiyuki Ikeda, Koji Kuronuma, Mamoru Takahashi, Mitsuo Otsuka, Gen Yamada, Ken-ichi Kamo, Hiroki Takahashi, Yohei Takahashi
<b>PA846</b>	<b>Patient journey to diagnosis of idiopathic pulmonary fibrosis (IPF) in the US</b> Timothy Whelan (Charleston, United States of America), Craig S. Conoscenti, Kevin R. Flaherty, Colin H. Holtze, Megan L. Neely, Eric Yow, Laurie D. Snyder, Joao A. de Andrade
<b>PA847</b>	<b>Analysis of baseline characteristics by emphysema extent in patients with idiopathic pulmonary fibrosis (IPF)</b> Vincent Cottin (Lyon, France), Nicola Sverzellati, Derek Weycker, Katerina M Antoniou, Mark Atwood, Gerry Oster, Klaus-Uwe Kirchgaessler, Athol U Wells
<b>PA848</b>	<b>Anxiety and depression in idiopathic pulmonary fibrosis (IPF): prevalence and clinical correlates</b> Claire M. Nolan (London, United Kingdom), Suhani Patel, Ruth E Barker, Peter George, Matthew M Maddocks, Paul Cullinan, Toby M Maher, William D-C Man
<b>PA850</b>	<b>The Value of 18F-FDG PET/CT in evaluating disease severity in idiopathic pulmonary fibrosis</b> Uiwon Ko (Seoul, Republic of Korea), Hee-young Yoon, Suk Hyun Lee, Sejin Ha, Jisun Lee, Dong Soon Kim, Jin-Sook Ryu, Jin Woo Song

PA851	<b>Value of 18F-FDG PET/CT for predicting postoperative acute exacerbation in idiopathic pulmonary fibrosis</b> Uiwon Ko (Seoul, Republic of Korea), Hee-young Yoon, Suk Hyun Lee, Sejin Ha, Jisun Lee, Dong Soon Kim, Jin Woo Song, Jin-Sook Ryu
PA852	<b>Disease progression at 12 months does not predict future outcomes in IPF patients: Analysis from the Australian IPF Registry</b> Helen Jo (Sydney, NSW, Australia), Ian Glaspole, Christopher Grainge, Nicole Goh, Peter Hopkins, Yuben Moodley, Paul Reynolds, Sally Chapman, Haydn Walters, Christopher Zappala, Heather Allan, Gregory Keir, Andrew Hayen, Wendy Cooper, Annabelle Mahar, Samantha Ellis, Sacha Macansh, Tamera Corte
PA853	<b>Short term Quantitative Lung Fibrosis (QLF) change predicts rapid rate of FVC decline in patients with IPF</b> Jonathan Goldin (Santa Monica, United States of America), Grace Kim, Peiyun Lu, Seth Porter, Eduard Gorina, Matt Brown
PA854	<b>Idiopathic pulmonary fibrosis in Finland and Sweden: differences in the performance of two similar health care systems</b> Ida Pesonen (Stockholm, Sweden), Giovanni Ferrara, Magnus Sköld, Lisa Carlson, Susanna Larsson, Marjukka Myllärniemi
PA855	<b>Idiopathic pulmonary fibrosis (IPF) patients in Poland – preliminary cohort analysis of EMPIRE registry</b> Katarzyna B. Lewandowska (Warszawa, Poland), Jan Kus, Beata Zolnowska, Malgorzata Sobiecka, Magdalena Martusewicz-Boros, Pawel Sliwinski, Sebastain Majewski, Amelia Szymanowska-Narloch, Marzena Trzaska-Sobczak, Jana Strenkova, Martina Vasakova
PA856	<b>Predictive factors of idiopathic pulmonary fibrosis (IPF) in patients with a possible or inconsistent with usual interstitial pneumonia (UIP) pattern on high resolution computed tomography (HRCT)</b> Lucile Sese (PARIS, France), Cécile Rotenberg, Dean Kassam, Olivia Freynet, Florence Jeny, Morgane Didier, Pierre-Yves Brillet, Diane Pivert, Marianne Kambouchner, Dominique Valeyre, Hilario Nunes
PA857	<b>Diagnostic agreement of usual interstitial pneumonia (UIP) on chest CT between chest radiologists using current guidelines.</b> Onofre Moran Mendoza (Kingston, ON, Canada), Rob Dhillon, Justin Flood, Muhannad Hawari, Katarina Janic, Sami Alyami
PA858	<b>Bronchoalveolar lavage findings and disease progression in hypersensitivity pneumonitis</b> Sara Elisabet Marta Oliveirada Silva Freitas (Coimbra, Portugal), Carolina Pessoa De Matos Cabo, Maria Joana Catarata
PA859	<b>Effect of metformin on clinically relevant outcomes in patients with idiopathic pulmonary fibrosis (IPF)</b> Paolo Spagnolo (Liestal, Switzerland), Michael Kreuter, Toby M Maher, Wim Wuyts, Francesco Bonella, Tamera J Corte, Derek Weycker, Klaus-Uwe Kirchgassler, Christopher J Ryerson
PA860	<b>Transbronchial Criobiopsy (TCB) In Two Lung Lobes- Diagnostic Accuracy</b> António Manuel Martins Morais (Maia, Portugal), António Manuel Martins Morais, Natália Melo, Patrícia Mota, Adriana Magalhães, Susana Guimarães, Conceição Souto Moura

## TP-13 (Hall 4)

## Session 114

12:50 - 14:40

## Thematic Poster: ILDs: clinical problems

**Chairs :** Marlies S. Wijsenbeek (Rotterdam, Netherlands), Simon Hart (Cottingham, United Kingdom), Carlo Albera (Orbassano (To), Italy), Manuela Funke-Chambour (Bern, Switzerland)

PA861	<b>Evaluation of FVC/DLCO ratio as a predictor for pulmonary hypertension in patients with interstitial lung diseases</b> doaa eid (Egypt, Egypt), Hoda , Aliae AR Mohamed-Hussein
PA862	<b>Interstitial lung abnormalities in smokers are associated with increased mortality</b> Nils Hoyer (København S, Denmark), Laura Hohwu Thomsen, Mathilde Marie Winkler Wille, Torgny Wilcke, Jesper Holst Pedersen, Zaigham Saghir, Haseem Ashraf, Saher Burhan Shaker, Asger Dirksen
PA863	<b>Clinical significance of combined pulmonary fibrosis and emphysema</b> Honglyeol Lee (Incheon, Republic of Korea), Cheol Woo Kim
PA864	<b>Does enhanced respiratory support affect clinical outcomes in ILD Patients with acute Respiratory failure?</b> Andrew Achaiah (Portsmouth, United Kingdom), Matthew Quint, Lili Shaw, Olivia Bird, Suresh Babu
PA865	<b>Correlation between lung sounds and HRCT signs of pulmonary fibrosis: a blinded prospective study.</b> Giacomo Sgalla (Modena, Italy), Simon Walsh, Nicola Sverzellati, Sophie Fletcher, Stefania Cerri, Magdy El-Gohari, Borislav Dimitrov, Dragana Nikolic, Anna Barney, Fabrizio Luppi, Mark Jones, Donna Davies, Luca Richeldi, David Hansell

PA866	<b>Transbronchial biopsy adequacy and sample size in a multidisciplinary team approach to interstitial lung disease diagnosis: one-year Padova experience</b> Francesca Lunardi (Padova, PD, Italy), Federica Pezzuto, Marco Damin, Elisabetta Balestro, Umberto Fantoni, Paolo Spagnolo, Fiorella Calabrese, Stefania Vuljan
PA867	<b>Interstitial pneumonia vs. hypersensitivity pneumonitis with autoimmune features</b> Martina Sterclova (Praha, Czech Republic), Jelena Skibova, Martina Vasakova
PA868	<b>Romanian Registry for Interstitial Lung Diseases (REGIS): inclusion of patients in 3 years</b> Irina Ruxandra Strambu (Bucuresti 5, Romania), Teodor Salmen, Daniel Traila, Alina Croitoru
PA869	<b>Small airways impairment and air-trapping distinguish chronic hypersensitivity pneumonitis (CHP) from idiopathic pulmonary fibrosis (IPF)</b> Matteo Bonini (London, United Kingdom), Alessio Pacini, Ilaria Menichini, Simon Ward, Simon Walsh, Cecile Daccord, Marco Brunori, Omar Usmani, Athol Wells, Felix Chua, Cosetta Minelli
PA870	<b>Clubbing in patients with fibrotic interstitial lung diseases</b> Mirjam J.G. van Manen (Rotterdam, Netherlands), Laura C. Vermeer, C.C. Karen Moor, Robin Vrijenhoef, Jan C. Grutters, Marcel Veltkamp, Marlies S. Wijzenbeek
PA871	<b>Combined pulmonary fibrosis and emphysema (CPFE): How does cohabitation affect respiratory functions?</b> Fatma Çiftci (Ankara, Turkey), Basak Gulpinar, Cetin Atasoy, Oya Kayacan, Sevgi Saryal
PA872	<b>Concordance analysis of cells present in bronchoalveolar lavage in patients with interstitial lung diseases by type of readings and pulmonary location</b> Mikel Sarasate Azkona (Barcelona, Spain), Ana Villar, Margarita Herrera, Marian Ramon, Maria Jesus Cruz, Xavier Muñoz, Iñigo Ojanguren, Mario Culebras, Maria Dolores Untoria, Ferran Morell
PA873	<b>Ultrasonographic features of typical HRCT signs of interstitial lung diseases</b> Ai Cui (Beijing, China), Rui Wang, Wen-Jing Li, Jun Zhao, Fei Xie, Xue-Yan Yuan
PA874	<b>EXHALED NITRIC OXIDE MEASUREMENTS IN PATIENTS WITH ACUTE-ONSET INTERSTITIAL LUNG DISEASE</b> Keiji Oishi (Ube, Japan), Tsunahiko Hirano, Ryo Suetake, Syuichiro Ohata, Yoshikazu Yamaji, Kosuke Ito, Nobutaka Edakuni, Kazuto Matsunaga, Masakazu Yano
PA875	<b>Spectrum of diffuse parenchymal lung diseases at a tertiary care center in India</b> Digambar Behera (Chandigarh (U.T.), India), Sahajal Dhooria, Ritesh Agarwal, Inderpaul Singh Sehgal, Mandeep Garg, Amanjit Bal, Ashutosh Nath Aggarwal
PA876	<b>The role of transbronchial biopsy (TBB) in the multidisciplinary diagnosis of interstitial lung disease (ILD)</b> Federico Fracasso (Isola Vicentina, Italy), Elisabetta Balestro, Paolo Spagnolo, Davide Biondini, Elisabetta Cocconcelli, Umberto Fantoni, Marco Damin, Fiorella Calabrese, Francesca Lunardi, Roberta Polverosi, Marina Saetta, Manuel Cosio, Giulio Barbiero
PA877	<b>Hypoxic challenge test (HCT) in patients with interstitial lung disease (ILD)</b> Muthu Thirumaran (Wakefield, United Kingdom), Akshay Dwarakanath, Adnan Amir, Owen Johnson
PA878	<b>Exhaled nitric oxide in idiopathic and non-idiopathic interstitial lung disease</b> Paolo Cameli (Certaldo, Italy), David Bennett, Rosa Metella Refini, Piersante Sestini, Paola Rottoli, Maria Grazia Pieroni
PA879	<b>Epidemiological profile of chronic interstitial lung diseases in Tunisian patients</b> Samira Aouadi (Ariana, Tunisia), chema hadj sassi, najla ghairi, sabrine Majdoub, houda gharsalli, sonia maalej, leila douik elgharbi
PA880	<b>Bronchoalveolar lavage fluid protein concentrations define phenotypically distinct populations within group of patients with hypersensitivity pneumonitis (HP)</b> Peter Paluch (Praha, Czech Republic), Marie Droesslerova, Martina Sterclova, Magdalena Smetakova, Martina Kolbekova, Jelena Skibova, Marina Vasakova

TP-14 (Hall 4)

Session 115

12:50 - 14:40

**Thematic Poster: The spectrum of CTDs: from pathogenesis to treatment**

**Chairs :** Martina Bonifazi (Ancona, AN, Italy), Julia Wälscher (Heidelberg, Germany), Argyris Tzouvelekis (Athens, Greece), Demosthenes Bouros (Athens, Greece)

PA881	<b>Late Breaking Abstract - ND-L02-s0201 treatment leads to efficacy in preclinical IPF models</b> Sonya Zabudoff (San Diego, United States of America), Yun Liu, Jian Liu, Jun Zhang, Fengcheng Xia, Alistair Quimbo, Jiping Yao, Jean-Pierre Clamme, Annie Pham Siegmund, Kageshi Maruyama, Wenbin Ying
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<b>PA882</b>	<b>Comorbid interstitial lung diseases and collagen vascular diseases in pulmonary alveolar proteinosis: a nationwide surveillance in Japan</b> Yoshikazu Inoue (Osaka, Japan), Toru Arai, Masanori Akira, Koh Nakata, Etsuro Yamaguchi, Yasuhiko Setoguchi, Toshio Ichiwata, Masahito Ebina, Kazutoshi Cho, Ryushi Tazawa, Haruyuki Ishii, Kanji Uchida, Hiroshi Kida, Chikatoshi Sugimoto, Akiko Matsumuro, Masaki Hirose, Yoko Imai, Takahiko Kasai, Masanori Kitaichi
<b>PA883</b>	<b>Association of serum KL-6 levels with interstitial lung disease in patients with connective tissue disease (CTD-ILD): a cross-sectional study and longitudinal study</b> GUO ZIJUN (Guangzhou, China)
<b>PA884</b>	<b>Anti-synthetase syndrome associated Interstitial Lung Disease (ASS-ILD): Clinical, serological and radiological heterogeneity</b> Amila Rathnapala (Minuwangoda, Sri Lanka), D Addala, B Ng, S Mahesh, J David, RK Hoyles, T Nicholson
<b>PA885</b>	<b>Anti-synthetase syndrome associated Interstitial Lung Disease (ASS-ILD): clinical heterogeneity and outcome</b> Amila Rathnapala (Minuwangoda, Sri Lanka), D Addala, B Ng, S Mahesh, J David, RK Hoyles
<b>PA886</b>	<b>DIFFUSING CAPACITY (DLCO) AS A POTENTIAL SURROGATE MARKER FOR SCLERODERMA RELATED LUNG DISEASE- DATA FROM THE GERMAN NETWORK FOR SYSTEMIC SCLEROSIS</b> Michael Kreuter (Heidelberg, Germany), Francesco Bonella, Norbert Blank, Elise Siegert, Jörg Henes, Margitta Worm, Cord Sunderkoetter, Marc Schmalzing, Alexander Kreuter, Iudith Guenther, Laura Susok, Gabriele Zeidler, Ina Koetter, Ulf Mueller-Ladner, Thomas Krieg, Aaron Juche, Tim Schmeiser, Gabriele Riemenkasten, Elisabeth Aberer, Noemi Gaebelein-Wissing, Jörg HW Distler, Miklos Sardy, Christiane Pfeiffer, Kathrin Kuhr, Hanns-Martin Lorenz, Pia Moinszadeh, Nicolas Hunzelmann
<b>PA887</b>	<b>Male gender and fibrosis score on high-resolution computed tomography are independent poor prognostic factors of survival in patients with rheumatoid arthritis-related interstitial lung disease.</b> Yuhei Ito (Kurashiki, Japan), Machiko Arita, Shogo Kumagai, Reoto Takei, Maki Noyama, Fumiaki Tokioka, Keisuke Nishimura, Tadashi Koyama, Tadashi Ishida
<b>PA888</b>	<b>Mortality and clinical features in rheumatoid arthritis and interstitial lung disease</b> M <sup>a</sup> Asuncion Nieto Barbero (Madrid, Spain), Cristina Vadillo Font, Judit Font Urgelles, Mariara Calderón Alcalá, Juan Rigual Bobillo, Dalifer Freites Nuñez, Lydia Abasolo Alcazar
<b>PA889</b>	<b>Clinical Features and Prognosis of Acute exacerbation of Connective Tissue Diseases Associated Pulmonary Fibrosis----- Comparision with Idiopathic Pulmonary Fibrosis</b> Mengshu Cao (Nanjing, China), Jian Sheng
<b>PA890</b>	<b>Extensive interstitial lung disease in inflammatory myopathy is a strong predictor of mortality</b> Deborah Assayag (Montréal, QC, Canada), Andrew Hirsch, Murray Baron, Evelyne Vinet, Alexandra Albert, Paul Fortin, Marie Hudson
<b>PA891</b>	<b>Management of ANCA-associated vasculitis (AAV): A single-centre perspective from respiratory clinic.</b> Thapas Nagarajan (Cheshire, United Kingdom), Sarah McCloskey, James Lordan
<b>PA892</b>	<b>Risk factors for lung involvements in patients with Sjögren's syndrome</b> Tomoyuki Kakugawa (Nagasaki, Japan), Noriho Sakamoto, Hiroshi Ishimoto, Toshimasa Shimizu, Hideki Nakamura, Aya Nawata, Chiyo Ito, Shuntaro Sato, Tetsuya Hanaka, Keishi Oda, Takashi Kido, Shota Nakashima, Takatoshi Aoki, Yasushi Obase, Kazuyoshi Saito, Kazuhiro Yatera, Yuji Ishimatsu, Toshiyuki Nakayama, Yukunori Korogi, Yoshiya Tanaka, Atsushi Kawakami, Hiroshi Mukae
<b>PA893</b>	<b>Rituximab improves interstitial lung disease in rheumatoid arthritis patients</b> M <sup>a</sup> Asuncion Nieto Barbero (Madrid, Spain), M <sup>a</sup> Asuncion Nieto Barbero, Cristina Vadillo Font, Mariara Calderon Alcala, Judit Font Urgelles, Juan Rigual Bobillo, Dalifer Freites Nuñez, Lydia Abasolo Alcazar
<b>PA894</b>	<b>Cardiovascular comorbidity in Danish patients with scleroderma-associated interstitial lung disease</b> Gitte Anna Madsen (Aarhus, Denmark), Charlotte Hyldgaard, Elisabeth Bendstrup
<b>PA895</b>	<b>The basic helix-loop-helix transcription factor scleraxis (Scx) is overexpressed in systemic and lung fibrosing diseases</b> Criselda Mendoza-Milla (MEXICO, Mexico), Ana Lilia Torres Machorro, Gael Guitrón Castillo, Tatiana Sofía Rodríguez-Reyna, Joaquín Zúñiga Ramos, Ivette Buendía Roldán
<b>PA896</b>	<b>Idiopathic and secondary usual interstitial pneumonia: is there a real difference?</b> Maria Aurora Pinto Mendes (Penafiel, Portugal), Carla Nogueira, Sofia Neves, Agostinho Sanches, Filomena Costa, Sérgio Campainha
<b>PA897</b>	<b>Immunosuppressor therapy effectiveness in Interstitial Lung Disease (ILD) associated Connective Tissue Disease(CTD).</b> Maria Alonso (Montevideo, Uruguay), Veronica Torres, Carolina Diaz, Adriana Berez, Pablo Curbelo, Sandra Consani



**PA898 Rituximab in the management of idiopathic inflammatory myopathies complicated by interstitial lung disease**  
Peter Riddell (Dublin, Ireland), Ann O'Mahony, Grainne Murphy, John Ryan, Sinead Harney, Vincent Tormey, Michael Henry

**PA899 Autoantibodies in interstitial lung disease**  
Adelle S Jee (Sydney, NSW, Australia), Stephen Adelstein, Jane Bleasel, Gregory Keir, Helen Jo, Edmund Lau, Lauren Troy, Susanne Webster, Tamera J Corte

**PA900 Serum anti DFS70 antibody titer and lung functional impairment in patients with interstitial lung disease (ILD)**  
Francesco Bonella (Dusseldorf, Germany), Yan Lyu, Ulrich Costabel, Michael Kreuter, Josune Guzman, Eda Boerner, Dirk Theegarten, Thomas Wessendorf

TP-15 (Hall 4)

Session 116

12:50 - 14:40

**Thematic Poster: Lung fibrosis: basic science**

**Chairs :** Ulrich Costabel (Essen, Germany), Zoe Daniil (Larisa, Greece), Elisabetta Renzoni (London, United Kingdom), Irina Ruxandra Strambu (Bucuresti 5, Romania)

**PA901 Naftopidil, a selective  $\alpha_1$  adrenoceptor antagonist, inhibits the growth of lung fibroblasts and attenuates bleomycin-induced lung fibrosis in mice**  
Hirokazu Urushiyama (Tokyo, Japan), Yasuhiro Terasaki, Shinya Nagasaka, Yasuhiro Yamauchi, Nariaki Kokuho, Shinobu Kunugi, Hirotaka Matsuzaki, Yoshihisa Hiraishi, Yu Mikami, Satoshi Noguchi, Masafumi Horie, Takahide Nagase

**PA902 Effect of NF- $\kappa$ B inhibitor IMD-1041 on BLM-induced pulmonary fibrosis in mice**  
Yajuan Chen (Chongqing, China), yasuhiko Nishioka, Hiroyasu Okazaki, Seidai Sato, Shuliang Guo, Hong Chen

**PA903 Nintedanib inhibits pro-fibrotic mediators from T cells with relevance to connective tissue disease-associated interstitial lung disease**  
Lutz Wollin (Biberach an der Riß, Germany), Angela Ostermann, Cara Williams

**PA904 The expression of TLRs and TRP channel in pulmonary sensory neuron in bleomycin induced fibrosis model.**  
Sang Yeub Lee (Seoul, Republic of Korea), Won Jai Jung, Sue In Choi, Eun Joo Lee, Min Goo Lee, Kwang Ho In

**PA905 Concentrations of IL4R $\alpha$  and TNF $\alpha$  in bronchoalveolar lavage fluid can distinguish hypersensitivity pneumonitis from other fibrosing interstitial lung diseases**  
Martina Kolbeková (Praha, Czech Republic), Martina Kolbeková, Martina Šterclová, Peter Paluch, Martina Vašáková, Magdalena Smátková, Jelena Skibova

**PA906 Therapeutic benefits of exosomes derived from mesenchymal stromal cells in bleomycin-induced pulmonary fibrosis in aged mice.**  
Marilyn K. Glassberg (Miami, United States of America), Sharon Elliot, Gustavo Rubio, Xiaomei Xia, Paola Catanuto, Simone Pereira-Simon, Joshua Shapiro, Irena Pastar, Marjana Tomic-Canic, George Glinos

**PA907 Late Breaking Abstract - Pharmacokinetics (PK) of nintedanib with add-on pirfenidone in patients with idiopathic pulmonary fibrosis (IPF): results from INJOURNEY**  
Wim Wuyts (Rotselaar, Belgium), Jan C Grutters, Michael Kreuter, Luca Richeldi, Christopher J Ryerson, Dominique Valeyre, Sabrina Wiebe, Wibke Stansen, Manuel Quaresma, Susanne Stowasser, Carlo Vancheri

**PA908 Therapeutic pamrevlumab (FG-3019) is more effective than pirfenidone or nintedanib in a mouse radiation-induced lung fibrosis model**  
Kenneth Lipson (San Francisco, United States of America), Mahmoud Moustafa, Mahdi Akbarpour, Shaun Fouse, Mark Kriegsmann, Cheng Zhou, Kaijing Liu, Felix Lasitschka, Wilko Weichert, Todd Seeley, Jürgen Debus, Amir Abdollahi

**PA909 Correlation of Nintedanib efficacy on fibrotic lesion deposition and lung function within a rat IPF model**  
Robert Carrington (Huntingdon, United Kingdom), Stephen Jordan, Mark Anderson, Lorcan Sherry, Ken Meecham

**PA910 PBI-4425, a novel first-in-class anti-inflammatory/anti-fibrotic compound, reduces pulmonary emphysema and cutaneous hyperplasia in tight-skin (Fbn-1) mouse**  
Lyne Gagnon (Laval, QC, Canada), Brigitte Grouix, Pierre Laurin, Marie-Pier Cloutier, Lilianne Geerts, Mikaël Tremblay, François Sarra-Bournet, Alexandra Felton

**PA911 Deterioration of regulatory B cells and activation of follicular helper T cells in idiopathic interstitial pneumonias patients**  
Yuichiro Asai (Sapporo, Japan), Hirofumi Chiba, Syun Kondoh, Hirotaka Nishikiori, Mamoru Takahashi, Koji Kuronuma, Mitsuo Otsuka, Gen Yamada, Ryuta Kamekura, Shingo Ichimiya, Hiroki Takahashi

**PA912 A phenotypic cell-based extracellular matrix deposition assay for target validation and drug discovery**  
Michael Gerckens (München, Germany), Katharina Heinzemann, Oliver Eickelberg, Gerald Burgstaller

<b>PA913</b>	<b>Rescue of mutant ABCA3 by small molecular correctors</b> Susanna Kinting (München, Germany), Stefanie Höppner, Thomas Wittmann, Ulrike Schindlbeck, Jacqueline Harfst, Matthias Griese, Ralf Zarbock
<b>PA914</b>	<b>Spectrum of Diffuse parenchymal lung disease (DPLD)– Results from a regional referral center in Germany-</b> Frank Reichenberger (Gauting, Germany), Juliane Herpich, Wolfgang Gesierich, Alicia Morresi-Hauf, Michael Lindner, Kerstin Pfeiffer, Juergen Behr
<b>PA915</b>	<b>Prevalence of Latent Infection with Mycobacterium Tuberculosis in Interstitial Lung Diseases Using Interferon Gamma Release Assay</b> Burcu Uysaler (izmir, Turkey), Nesrin Mogulkoc, Cengiz Cavusoglu, Paul Bishop
<b>PA916</b>	<b>Bile acid receptor mediates TGF- 1-induced activation of lung fibroblasts</b> Xueqing Liu (Shanghai, China), Bi Chen, Handong Jiang, Wenjie You, Shan Xue, Maowei Zhang, Wenjing liu, Shuyang Zhu, Jiechen Zhu, Yuanqin Li
<b>PA917</b>	<b>Development of an integrative approach to identify key molecular targets involved in bleomycin-induced pulmonary fibrosis in rats.</b> Vanessa Pitozzi (PARMA, Italy), Barbara Pioselli, Maria Gloria Pittelli, Paola Caruso, Martina Bonatti, Maria Laura Faietti, Simone Ottonello, Barbara Montanini, Gino Villetti, Maurizio Civelli, Silvia Catinella, Marcello Trevisani
<b>PA918</b>	<b>Ghrelin protects against bleomycin-induced pulmonary fibrosis in mice</b> Yohkoh Kyomoto (Osaka, Japan), Takashi Nojiri, Takeshi Tokudome, Motofumi Kumazoe, Koichi Miura, Hiroshi Hosoda, Jun Hino, Mikiya Miyazato, Kazuya Kojima, Hiroaki Kubo, Atsuko Okamoto, Kazuhiro Yamada, Tetsuya Watanabe, Kazuhisa Asai, Kazuto Hirata, Kenji Kangawa
<b>PA919</b>	<b>Pro-fibrotic biomarkers in ex vivo lung tissue slices: A species comparison</b> Christina Hesse (HANNOVER, Germany), Samuel Mang, Heinz-Gerd Hoymann, Monika Niehof, Peter Braubach, Danny Jonigk, Mark Kühnel, Gregor Warnecke, Olaf Pfennig, Hans-Gerd Fieguth, Armin Braun, Katherina Sewald
<b>PA920</b>	<b>Whole Transcriptome Analysis of Bleomycin(BLM) Induced Pulmonary Fibrosis(PF) of Rhesus Using RNA-seq</b> Lian Liu (CHENGDU, China), Zhicheng Yuan, Tao Wang, Dan Xu, Lei Chen, Lingli Guo, Fuqiang Wen

## TP-16 (Hall 4)

## Session 117

12:50 - 14:40

**Thematic Poster: Primary care diagnosis, assessment and management of COPD****Chairs :** Patrick T. White (London, United Kingdom), Tjard Schermer (Nijmegen, Netherlands), Mike Thomas (Southampton, United Kingdom), Niels H. Chavannes (Leiden, Netherlands)

<b>PA921</b>	<b>Evaluating a simple lung monitor as a screening test for COPD in primary care</b> Andy Dickens (BIRMINGHAM, United Kingdom), Peymane Adab, David Fitzmaurice, Brendan Cooper, Martin Miller, Alice Sitch, Richard Riley, Alexandra Enocson, Rachel Jordan
<b>PA922</b>	<b>Targeting the appropriate population for COPD screening in the primary care</b> Dionisios G. Spyrtos (Thessaloniki, Greece), Anna-Bettina Haidich, Diamantis Chloros, Dionisia Michalopoulou, Ioanna Tsiouprou, Lazaros Sichletidis
<b>PA924</b>	<b>Accuracy of COPD diagnosis in primary care in Knowsley, UK</b> Dennis Wat (LIVERPOOL, United Kingdom), Sarah Sibley
<b>PA925</b>	<b>Personalised prescribing for COPD patients: a primary care audit</b> Alyn Hugh Morice (Cottingham, United Kingdom), Ghassan Hamad
<b>PA926</b>	<b>Quality of Life and Multicomponent scales in Chronic Obstructive Pulmonary Disease</b> Jaime Gonzalez Rey (Vigo (Pontevedra), Spain), Friande Susana, Kasuba Durdica, Roman Miguel, Iftode Claudia, Claveria Ana
<b>PA927</b>	<b>The distribution of COPD in UK general practice using the 2017 GOLD classification</b> John Haughney (Aberdeen, United Kingdom), Amanda Lee, Inna Pertsovskaya, Eddie McKnight, Lorcan McGarvey,
<b>PA928</b>	<b>Refined ABCD assessment tool in COPD – results from the TIE-study</b> Johanna Sulku (Gävle, Sweden), Andrei Malinovschi, Kristina Bröms, Björn Ställberg, Karin Lisspers, Christer Jansson, Marieann Högman
<b>PA929</b>	<b>Prediction of one or two years' exacerbation free time in primary care COPD patients, a validated prediction nomogram</b> Nebal Abu Hussein (Basel, Switzerland), Gerben ter Riet, Pierre-Olivier Bridevaux, Prashant N. Chhajed, Thomas Dieterle, Jean-William Fitting, Thomas Geiser, Ladina Joos Zellweger, Malcolm Kohler, David Miedinger, Lara Siebeling, Robert Thurnheer, Michael Tamm, Milo A. Puhan, Jörg D. Leuppi

PA930	<b>Prevalence of chronic obstructive pulmonary diseases related-hospitalization with acute exacerbation and its associated factors in Thailand.</b> Piyawan Kuwalairat (Chumphon, Thailand), Soodrutai Ratanaopas, Rarin Sornkate
PA931	<b>Evaluation of DECAF, CURB-65 and BAP-65 scales as predictor of mortality risk in acute exacerbation of COPD in a retrospective cohort</b> Ascensión María Vílchez Parras (Torredelcampo (Jaén), Spain), Ascensión María Vílchez Parras, Celia Lacárcel Bautista, Gerardo Pérez Chica, María López López
PA932	<b>Gender and economic aspects of COPD in a Swedish cohort: The ARCTIC study</b> Karin Lisspers (Gagnef, Sweden), Kjell Larsson, Christer Jansson, Björn Stållberg, Ioanna Tsiligianni, Florian S. Gutzwiller, Karen Mezzi, Milica Uhde, Leif Jorgensen, Gunnar Johansson
PA933	<b>Cardio-metabolic profile, function and physical activity in mild-moderate COPD patients</b> Amy Jones (Derby, United Kingdom), Lauren Sherar, Mark Orme, Mike Morgan, Michael Steiner, Andrew Kingsnorth, Rachael Evans, Dale Eslinger, Sally Singh
PA934	<b>Handgrip strength among COPD patients in the primary care</b> Dionisios G. Spyrtos (Thessaloniki, Greece), Eirini Pagkalidou, Diamantis Chloros, Dionisia Michalopoulou, Ioanna Tsiouprou, Lazaros Sichletidis
PA935	<b>Occurrence and severity of morning symptoms in chronic obstructive pulmonary disease – a cross-sectional study</b> Amanda R. van Buul (Leiden, Netherlands), Marise Kasteleyn, Niels Chavannes, Christian Taube
PA936	<b>Estimating the number of patients' needed to treat (NNT) with indacaterol/glycopyrronium to prevent COPD exacerbations: Results from the FLAME study</b> Leif Bjermer (Lund, Sweden), Nicolas Roche, Florian S Gutzwiller, Petter Olsson, Francesco Patalano, Chau Thach, Robert Fogel, Donald Banerji
PA937	<b>Real-life evaluation of budesonide/formoterol (DuoResp Spiromax) for the management of asthma and COPD in the UK</b> Nicolas Roche (Paris, France), Hicham Benhaddi, Marianka van der Tol, Jonathan Chambers, Job FM van Boven, Leif Bjermer, Marc miravittles, David Price, Jaco Voorham
PA938	<b>Efficacy and safety of Long-acting Beta-agonists+Long-acting muscarinic antagonists vs Long-acting Beta-agonists+Inhaled corticosteroids in COPD: a meta-analysis</b> Ralph Elvi Villalobos (Manila, Philippines), Aileen David-Wang
PA939	<b>Indacaterol/glycopyrronium (IND/GLY) is cost-effective compared with salmeterol/fluticasone (SFC) in Swedish chronic obstructive pulmonary disease (COPD) patients</b> Leif Bjermer (Lund, Sweden), Job F. M. van Boven, Madlaina Costa-Scharplatz, Florian S. Gutzwiller, Karin Lisspers, Ronan Mahon, Thys van der Molen, Petter Olsson, Nicolas Roche, Colin Burke
PA940	<b>Patient demographics and clinical characteristics in the UK Salford Lung Study (SLS COPD) and the European ACCESS study</b> Maurice Driessen (Brentford, United Kingdom), Isabelle Boucot, Hana Müllerová, Dominy Browning
<b>TP-17 (Hall 4) Session 118 12:50 - 14:40</b>	
<b>Thematic Poster: Primary care pulmonary rehabilitation, multimorbidity and organisation of care</b> Chairs : Esther I. Metting (Groningen, Netherlands), Ann-Britt Zakrisson (Örebro, Sweden), Frederik van Gemert (Groningen, Netherlands), Evelyn Brakema (Amsterdam, Netherlands)	
PA941	<b>The lay health worker-patient partnership promoting PR in COPD: what makes it work?</b> Patrick T. White (London, United Kingdom), Gill Gilworth, Alison J Wright, Simon Lewin
PA942	<b>Patient and Public Involvement (PPI) in TANDEM: A Tailored intervention for ANxiety and DEpression Management in COPD</b> Amy Barradell (Leicester, United Kingdom), Ratna Sohanpal, Hilary Pinnock, Stephanie Taylor
PA943	<b>A patient evaluation of performing COPD research in primary care.</b> Mona Bafadhel (Oxford, United Kingdom), Helen Jeffers, Joanne Davies
PA944	<b>Development of the TANDEM intervention for Chronic Obstructive Pulmonary Disease: reporting on the pre-pilot phase</b> Liz Steed (London, United Kingdom), Ratna Sohanpal, Karen Heslop-Marshall, Sarah Saqi-Waseem, Amy Barradell, Hilary Pinnock, Stephanie Taylor

<b>PA945</b>	<b>Prevalence and impact of depression on COPD</b> Juan Rigual Bobillo (VALLADOLID, Spain), Gianna Vargas Centanaro, Fernando Pelaez, Mariara Calderon, Juan Luis Rodríguez Hermosa, Beatriz Morales, Jose Luis Álvarez-Sala1, Myriam Calle ,
<b>PA946</b>	<b>The impact of concomitant somatopsychic disorders (SPD) on quality of life (QL) of chronCOPD patients</b> Alina Dovgan (Vinnysia, Ukraine), Tetyana Konstantynovych, Yuriy Mostovoy
<b>PA947</b>	<b>Factors associated with incongruence between patient and carer reports in advanced COPD</b> Emma Mi (Cambridge, United Kingdom), Ella Mi, Carole Gardener, Morag Farquhar
<b>PA948</b>	<b>Prevalence of co-morbidities in a Hellenic COPD population (COMPACT study)</b> Fotis Perlikos (Athens, Greece), Georgios Hillas, Georgios Pitsidianakis, Alexandros Ginis, Mina Evangeliou, Nikolaos Tzanakis
<b>PA949</b>	<b>Prevalence of co-morbidities in Greek COPD patients in relation to the stage of the disease (COMPACT study)</b> Fotis Perlikos (Athens, Greece), Georgios Hillas, Georgios Pitsidianakis, Alexandros Ginis, Nikolaos Grekas, Nikolaos Tzanakis
<b>PA950</b>	<b>Functional and inflammatory bowel diseases in patients with COPD</b> Karolina Klester (Barnaul, Russian Federation), Antonina Berdyugina, Elena Klester
<b>PA951</b>	<b>Undiagnosed COPD and overlapping obstructive sleep apnoea in coronary heart disease</b> Carmen Pizarro (BONN, Germany), Christiane Klencz, Helena Große-Ophoff, Georg Nickenig, Dirk Skowasch
<b>PA952</b>	<b>Relationship between Vitamin D and severity in COPD patients</b> Ezequiel Baran (Manuel B. Gonnet, Argentina)
<b>PA953</b>	<b>The impact of overweight and obesity on acute exacerbations of COPD - subgroup analysis of the Taiwan obstructive lung disease cohort</b> Yu-Feng Wei (Kaohsiung City, Taiwan), Ying-Huang Tsai, Ming-Shian Lin, Chin-Chou Wang, Shih-Lung Cheng, Wu-Huei Hsu, Yao-Kuang Wu, Ning-Hung Chen, Chao-Hsien Lee, Jeng-Yuan Hsu, Chi-Wei Tao, Ping-Hung Kuo
<b>PA954</b>	<b>Modeling the cost-effectiveness of stratified medicine in COPD</b> Martine Hoogendoorn (Rotterdam, Netherlands), Isaac Corro Ramos, Maureen Rutten-van Mólken
<b>PA955</b>	<b>Adherence to treatment in COPD patients followed in Disease Management Public Program in Salvador, Brazil</b> Charleston Pinto (Salvador/Ba, Brazil), Antônio Carlos Moreira Lemos, Margarete Alves Santana, Laira Lorena Lima Yamamura, Lindemberg Assunção Costa, Eduardo Martins Netto, Aramis Tupinã Alcântara, Ilka Magalhães Silva Carneiro
<b>PA956</b>	<b>Management of COPD in Australian general practices: experiences from a cluster randomised trial</b> Jenifer Liang (Doncaster East, Australia), Michael Abramson, Nicholas Zwar, Grant Russell, Anne Holland, Billie Bonevski, Ajay Mahal, Kirsten Phillips, Paula Eustace, Kate Petrie, Sally Wilson, Johnson George
<b>PA957</b>	<b>Treatment patterns of COPD patients in France: A retrospective analysis of an administrative primary care healthcare database</b> Sarah Landis (Uxbridge, United Kingdom), Rafal Jakubanis, Wilhelmine Meeraus, Robert Wood, Tim Holbrook, Johanna Despres, Geoffroy Bizouard, Yogesh Punekar, Afisi Ismaila
<b>PA958</b>	<b>Perception of primary care physicians on chronic obstructive pulmonary disease and asthma: a study in India</b> sourabh sinha (GURGAON (HARYANA), India), Priyanka Gupta, Sandeep Bhalla, Shilpa Jain, Ambrish mishra, Shruti Nair, D Prabhakaran, M Barne, S Salvi, B V Murali Mohan
<b>PA959</b>	<b>Management of COPD in primary care: an audit of NICE guidance and cost effectiveness</b> Kabir Sandhu (London, United Kingdom)
<b>PA960</b>	<b>Late Breaking Abstract - Adherence to GOLD recommendations in Italian COPD patients stratified by GOLD groups A–D: The MISTRAL study</b> Alfio Pennisi (Catania, CT, Italy), Stefano Nava, Francesco Ventrella, Guglielmo Bussoli, Gino Scalone, Marta Bartzaghi, Pasquale Alberto Porpiglia, Paolo Morini

TP-18 (Hall 4)

Session 119

12:50 - 14:40

**Thematic Poster: Current molecular and genetic understanding of lung diseases****Chairs :** Arnaud Mailleux (Paris, France), Guillaume Beltramo (DIJON, France), Sukhwinder Singh Sohal (Launceston, TAS, Australia)

<b>PA961</b>	<b>Epigenetic control of TGF induced fibrosis in COPD</b> Razia Zakarya (Marrickville, NSW, Australia), Hui Chen, Corey-Anke Brandsma, Ian M. Adcock, Brian G. G. Oliver
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- PA962** **Heterozygous genotype rs17580 AT (PiS) in SERPINA1 is associated to COPD secondary to biomass and tobacco smoke.**  
Ramces Falfán Valencia (Mexico, Mexico), Gloria Pérez-Rubio, Enrique Ambrocio-Ortiz, Ana Juárez-Martín, Luis Jiménez-Valverde, Susana Zoreque-Cabrera, Gustavo Galicia-Negrete, Rene Guevara, Manuel Castillejos-López, Citlaltepétl Salinas-Lara, Raúl Sansores, Alejandra Ramírez-Venegas
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- PA963** **HDAC2, PI3K, GR, and GR mRNA levels in lung tissue and peripheral blood of patients with severe COPD and patients with spontaneous pneumothorax**  
Anna Ulitina (St Petersburg, Russian Federation), Elena Vsevolodskaja, Zhanna Mironova, Stanislav Gorbunkov, Andrej Akopov, Vasilij Trofimov, Sofya Pchelina, Michail Dubina
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- PA964** **Airway cells exposed to wildfire smoke extract exhibit dysregulation of autophagy and changes characteristic of inflammatory airway disease.**  
Eugenio Roscioli (Adelaide, SA, Australia), Rhys Hamon, Hubertus Jersmann, Paul Reynolds, Sandra Hodge
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- PA965** **Gene expression network in PiZZ Alpha1 Antitrypsin Deficiency and its relationship with the severity of lung disease**  
Cristina Esquinas (Barcelona, Spain), Sabina Janciauskiene, Irene Belmonte, Miriam Barrecheguren, Esther Rodríguez, Francisco Rodríguez-Frias, Marc Miravittles
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- PA966** **Prevalence and phenotype of subjects carrying rare variants in Argentina for alpha1-antitrypsin deficiency**  
Victoria Lorenzon (BUENOS AIRES, Argentina), María Soledad Sáez, Mariano Fernandez Acquier, Oscar Rizzo, Maria Alejandra Pereyra, Carolina Pinchuk, osé María Oyhamburu, Patricia Beatriz Sorroche, Diego Fabián Litewka
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- PA967** **Proteinase 3 biomarker A -Val541 in whole blood; effect of fMLP stimulation**  
Paul Newby (Birmingham, United Kingdom), Robert Stockley
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- PA968** **THE ASSOCIATION ANALYSIS OF CHEMILUMINESCENCE OF NEUTROPHILS OF THE BLOOD WITH PATHOGENETIC FACTORS OF COPD**  
Igor A. Klimanov (Moscow, Russian Federation), Svetlana Soodaeva, Nailya Kubysheva, Larisa Postnikova, Tatyana Eliseeva
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- PA969** **Lung RNA-sequencing to understand the heterogeneity of COPD**  
Maria Rosa Faner Canet (Barcelona, Spain), Guerau Fernandez, Tamara Cruz, Alejandra López-Giraldo, Laureano Molins, Susana Kalko, Alvar Agustí
- 
- PA970** **Neutrophil elastase gene expression and relation with lung function in Alpha-1 Antitrypsin deficiency patients.**  
Beatriz Martínez-Delgado (MADRID, Spain), Nerea Matamala, Gema Gomez-Mariano, Beatriz Lara, Maria Teresa Martínez, Esther Rodríguez, Lourdes Lazaro, Sergio Cadenas, Sergio Curi, Francisco Javier Michel, Silvia Castillo Castillo, Ana Bustamante, Cristina Esquinas, Marc Miravittles, Ignacio Blanco, Francisco Casas, Selene Martínez
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- PA971** **A new SERPINA-1 missense mutation associated with alpha-1 antitrypsin deficiency and bronchiectasis.**  
Antonio Giuseppe Palmiotti (foggia, Italy), Giovanna Elisiana Carpagnano, Maria Pia Foschino Barbaro, Donato Lacedonia, Ernesto Giuffreda, Rosalinda Termine, Rosa Santacroce, Angelica Leccese
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- PA972** **Telomere length in blood leukocytes of patients with bronchiectasis**  
Donato Lacedonia (Molfetta, Italy), Maria Cristina Colanardi, Grazia Pia Palladino, Giovanna Elisiana Carpagnano, Maria Pia Foschino Barbaro
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- PA973** **Inflammatory response and epithelial-mesenchymal transition based on the model of co-cultured alveolar epithelial cells and monocytes induced by lipopolysaccharide.**  
Yanqin Qin (Zhengzhou, China), Yulong Chen, Jiansheng Li, Xuefang Liu, Haoran Dong, Wanchun Zheng, Suxiang Feng, Xiaoning Mao, Danrui Zhao
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- PA974** **Features of cellular structure of the induced sputum at patients of young age in sintropiya of asthma and obesity**  
Angelina Kraposhina (Krasnoyarsk, Russian Federation), Irina Soloveva, Elena Sobko, Irina Demko, Maria Loktionova, Natalia Gordeeva, Svetlana Chubarova, Marina Mamaeva
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- PA975** **Inflammatory markers of atherogenesis in patients with uncontrolled severe asthma**  
Nieves Belen Navarro Soriano (VALENCIA, Spain), Eva Martínez Moragón, Olga Salamea, María Clíment, Celia Bañuls, Silvia Ponce
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- PA976** **Changes in the Levels of Beta-thromboglobulin and Inflammatory Mediators during Extracorporeal Membrane Oxygenation Support**  
Hyeju Yeo (Yangsansí, Republic of Korea), Yun Seong Kim, Dohyung Kim, Woo Hyun Cho
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- PA977** **The most frequent ABCA3 nonsense mutation -p.Tyr1515\* (Y1515X) causing lethal neonatal respiratory failure in a term neonate**  
Alnashmi Saud Alanazi (Riyadh 11481, Saudi Arabia)

- PA978** **First identification of Krüppel-like factor 2 mutation in heritable pulmonary arterial hypertension**  
Christina Eichstaedt (Heidelberg, Germany), Jie Song, Rebecca Rodríguez Viales, Zixuan Pan, Nicola Benjamin, Christine Fischer, Katrin Hinderhofer, Marius Hoepfer, Silvia Ulrich, Ekkehard Grünig
- PA979** **Predicting prognosis of lung function decline in IPF using gene expression in peripheral blood mononuclear cells**  
guiquan Jia (San Francisco, United States of America), Alex Abbas, Maggie Neighbors, Joe Arron, Thirumalai Ramalingam
- PA980** **The role of vitamin D receptor BsmI polymorphism in the course of sarcoidosis**  
Tatjana Radjenovic Petkovic (Niš, Republic of Serbia), Tatjana Pejic, Milena Marinkovic, Desa Nastasijevic, Ivana Stankovic, Biljana Vrbic

TP-19 (Hall 4)

Session 120

12:50 - 14:40

**Thematic Poster: Infection and exacerbation science****Chairs :** Louise Donnelly (London, United Kingdom), Saeed Kolahian (Tübingen, Germany), Aaron Scott (Birmingham, United Kingdom)

- PA981** **Inhibition of dynein motors improves macrophage phagocytosis in COPD**  
Katie Anders (London, United Kingdom), Kylie BR Belchamber, Peter J Barnes, Louise E Donnelly
- PA982** **PI3 kinase Inhibition Reduces Uptake of Haemophilus Influenzae by Airway Epithelial Cells.**  
Peter Fenwick (London, United Kingdom), P J. Barnes, Louise Donnelly
- PA983** **New aspects of langerin dendritic cells in patients with COPD**  
Michiko Mori (Lund, Sweden), Premkumar Siddhuraj, Abraham B Roos, Martin R Stämpfli, Claes-Göran Löfdahl, Jonas S Erjefält
- PA984** **Proinflammatory and anti-inflammatory cytokines in the blood serum in patients with community acquired pneumonia, associated with hepatic steatosis.**  
Roman Razumnyi (Lugansk, Ukraine)
- PA985** **TLR2 Promotes Allergic Airway Inflammation through JNK signaling pathway with Activation of Autophagy**  
Rongyu Liu (Hefei, Anhui, China), Lei Fang
- PA986** **Cytokine production of leukocytes in response to Influenza A virus is increased by cigarette smoking and in COPD**  
Sarah Yanik (BOCHUM, Germany), Luisa Betke, Paul Bürger, Eike Bühlhoff, David Jungck, Juliane Kronsbein, Thomas Grunwald, Matthias Tenbusch, Andrea Koch, Jürgen Knobloch
- PA987** **Peculiarities of Immune Status among Young Patients with Community-Acquired Pneumonia (CAP) during Cytomegaloviral Persistence (CMVP)**  
Kiarina Chichirello-Konstantinovich (Vinnitsya, Ukraine), Tatiana Konstantynovych, Larisa Moroz
- PA988** **Glutathione level in community-acquired pneumonia patients.**  
Natalja Voskresenska (Riga, Latvia), Julija Voicehovska, Sergejs Babikovs, Vladimirs Voicehovskis, Aivars Lejnicks, Andrejs Skesters, Alise Silova
- PA989** **IL-6 and IL-8 production induced by Pseudomonas aeruginosa flagellin in human bronchial epithelial cells.**  
Keitaro Nakamoto (Tokyo, Japan), Masato Watanabe, Mitsuru Sada, Toshiya Inui, Masuo Nakamura, Kojiro Honda, Haruyuki Ishii, Hajime Takizawa
- PA990** **Endotoxin-induced release of the Th17-associated cytokine interleukin (IL)-26 in human neutrophils**  
Karlhans Che (Stockholm, Sweden), Anders Linden
- PA991** **Effects of mometasone and formoterol on the innate immunity of human gingival epithelial cells**  
Mahmoud Rouabhia (Quebec, Canada), Laurence Langlois, Jamila Chakir
- PA992** **Correlations between exacerbation rate and blood eosinophil levels in COPD patients**  
Giacomo Forini (Ferrara, Italy), Marco Contoli, Diego De Cassan, Martina Marchi, Alessia Pauletti, Alberto Papi
- PA993** **Impaired serum opsonisation of non typeable Haemophilus influenzae in COPD and Alpha-1 Anti-Trypsin Deficiency. A potential mechanism for reduced bacterial clearance?**  
Georgia Walton (Birmingham, United Kingdom), Aidan Butler, Robert Stockley, Louise Donnelly, Elizabeth Sapey
- PA994** **Hyaluronic acid, heparan sulfate and chondroitin sulfate are altered during exacerbations of COPD**  
Eleni Papakonstantinou (Thessaloniki, Greece), Ioannis Bonovolias, Michael Roth, Francesco Blasi, Lucas Boeck, Andreas Scherr, Janko Rakic, Michael Tamm, Daiana Stolz, Renaud Louis, Branislava Milenkovic, Wim Boersma, Konstantinos Kostikas, Joachim Aerts, Gernot Rohde, Alicia Lacom, Antoni Torres, Tobias Welte

PA995	<b>Targeting PI3K attenuates influenza virus-induced inflammation in a murine model of asthma exacerbation</b> Cataldo Martucci (PARMA, PR, Italy), Serena Bertolini, Anna Maria Capelli, Fabrizio Facchinetti, Chiara Carnini, Gino Villetti, Maurizio Civelli
PA996	<b>Rhinovirus triggers increased inflammasome activation in human bronchial epithelium in asthma.</b> Urszula Radzikowska (Davos Platz, Switzerland), Andrzej Eljaszewicz, Paulina Wawrzyniak, Anita Dreher, Anna Globinska, Sylwia Smolinska, Pawel Gajdanowicz, Michal Pirozynski, Marek Jutel, Liam O'Mahony, Cezmi A. Akdis, Milena Sokolowska
PA997	<b>Activin-A levels in sputum and serum of COPD, asthma and ACOS patients during acute exacerbation and at baseline</b> Eliza Tsitoura (Heraklion, Crete, Greece), Argyro Chatziantoniou, Eirini Apostolou, Eugenia Synolaki, Lambrini Markaki, Ioannis Gialamas, Olli Ritvos, Nikolaos M. Siafakas, Katerina M. Antoniou, Paschalis Sideras, Nikolaos Tzanakis, Athina Trachalaki
PA998	<b>Immunological characteristics of different courses of COPD</b> Sergey Fedosenko (Tomsk, Russian Federation), Natalia Kirillova, Ksenia Nevskaya, Vyacheslav Petrov, Sophia Lezhava, Julia Dorofeeva, Evgeny Kulikov, Ivan Deev, Olga Kobyakova, Sergey Fedosenko
PA999	<b>Phenotype of dendritic cells (DCs) stimulated by microbial antigens in COPD patients with frequent and infrequent exacerbations.</b> Sergey Fedosenko (Tomsk, Russian Federation), Natalia Kirillova, Ksenia Nevskaya, Vyacheslav Petrov, Sophia Lezhava, Julia Dorofeeva, Evgeny Kulikov, Ivan Deev, Olga Olga Kobyakova
PA1000	<b>Olodaterol and anti-inflammatory effects on differentiated air-liquid interface cultures of airway epithelial cells</b> Gurpreet Singhera (Vancouver, Canada), Roxana Yan, Delbert Dorscheid, Don Sin, Michael Pieper
<b>TP-20 (Hall 4) Session 121 12:50 - 14:40</b>	
<b>Thematic Poster: Systemic and airway biomarkers</b>	
<b>Chairs :</b> Clifford Taggart (Belfast, United Kingdom), Sabine Bartel (Borstel, Germany), Sinead Weldon (Belfast, United Kingdom), Silke Meiners (Munich, Germany)	
PA1002	<b>Repeat Measurements of Complement proteins C3a and C5a in COPD patients</b> Thomas Southworth (Manchester, United Kingdom), Caroline Pattwell, Helen Richardson, Pascal Deschatelets, Cedric Francois, Federico Gross, Delphine El Mehdi, Carolina Vega, Lisa Tan, Dave Singh
PA1003	<b>Bone marrow characteristics in patients with COPD and eosinophilia</b> Núria Toledo Pons (PALMA DE MALLORCA, Spain), Núria Toledo Pons, Amanda Iglesias, Andreas Jahn, Joan B. Soriano, Maria Antonia Durán, Julio Fermín Iglesias, Orlando Gigirey, Álvar Agustí, Borja G. Cosío
PA1004	<b>NOTCH-1 activation sustains hyperexpression of IL-33 in the epithelium of nasal polyps</b> Elisabetta Pace (Palermo, PA, Italy), Giuseppina Chiappara, Serafina Sciarrino, Caterina Di Sano, Salvatore Gallina, Riccardo Speciale, Serena Di Vincenzo, Claudia D'Anna, Andreina Bruno, Mark Gjomarkaj
PA1005	<b>PBI-4050 reduces expression of fibrosis biomarkers in the BioMAP SAEMyoF primary human small airway epithelial cells and lung myofibroblasts system</b> Lyne Gagnon (Laval, QC, Canada), Brigitte Grouix, Pierre Laurin, Martin Leduc
PA1006	<b>Peripheral blood Th17 and Th17/Th2 cells and their association with lung function and biomarkers in asthma-COPD overlap syndrome</b> Yongchang Sun (Beijing, China), Weihang Xu
PA1007	<b>Could Monocyte /HDL cholesterol ratio predict cardiovascular events in patients with Chronic Obstructive Pulmonary Disease ?</b> Halil Ibrahim Yakar (Istanbul, Turkey), Asiye Kanbay, Erkan Ceylan
PA1008	<b>Nanoparticles in sputum - a new window to airway inflammation</b> Amir Bar-Shai (Tel-Aviv, Israel), Michal Rotem, Shani Shenhar-Tsarfaty, Noa Ophir, Elizabeth Fireman
PA1009	<b>The relation between plasminogen activator inhibitor-1 (PAI-1) and inflammatory markers in COPD: A possible risk factor of inflammation-induced thrombosis</b> Mehmet Polatli (Aydin, Turkey), Onur Yazici, Dicle Akcan Kahvecioglu, Cigdem Yenisey, Burçin rem Abas
PA1010	<b>Mast cell subtypes in adults and children with severe asthma</b> Thais Mauad (Sao Paulo/Sp, Brazil), Bianca Bergamo de Araujo-Paulino, Miriam Cardoso Neves Eller, Karina Pierantozzi Vargani, Regina Maria Carvalho-Pinto, Rafael Stelmach, Kelly Yoshizaki, Espen Elias Groth, Joaquim Rodrigues, Marisa Dolhnikoff

- PA1011 Alveolar macrophage size is increased in COPD patients compared to controls**  
Simon Lea (Manchester, United Kingdom), Josiah Dungwa, Arjun Ravi, Dave Singh
- 
- PA1012 Blood cytokine expression in patients with chronic obstructive airway diseases (COAD)**  
Luis Pérez De Llano (Lugo, Spain), Luis Pérez De Llano, Amanda Iglesias, Juan Jose Soler-Catalunya, Jose Luis Izquierdo, Vicente Plaza, Jose Luis Lopez Campos, Alfons Torrego, Eva Martínez-Moragón, Joan Soriano, Irina Bobolea, Natividad de las Cuevas, Antolin López-Viña, Borja G.Cosío
- 
- PA1013 Sputum interleukin-25 correlates with asthma severity - a preliminary study**  
Magdalena Paplinska-Goryca (Warszawa, Poland), El bieta Grabczak, Marta D browska, Joanna Hermanowicz-Salamon, Ma gorzata Proboszcz, Patrycja Nejman-Gryz, Marta Maskey-Warz chowska, Rafa Krenke
- 
- PA1014 Blood eosinophils do not reflect lung tissue eosinophils in COPD**  
Graziella Turato (Padova, PD, Italy), Umberto Semenzato, Nerea Torrecilla, Erica Bazzan, Davide Biondini, Mariaenrica Tinè, Paula Gambo, Jose M Marin , Manuel G Cosio, Marina Saetta
- 
- PA1015 Proteasome activity profiling in peripheral blood of healthy smokers**  
Ilona Kammerl (München, Germany), Julia Schimmer, Oliver Vosyka, Stefanie Hauck, Oliver Eickelberg, Silke Meiners
- 
- PA1016 Molecular-cellular mechanisms of combined airway hyperresponsiveness in asthma**  
Victor Kolosov (Blagoveshchensk, Amur Oblast, Russian Federation), Aleksey Pirogov, Anna Prikhodko, Sergey Zinoviev, Juliy Perelman, Elena Ushakova, Galina Makarova
- 
- PA1017 Periostin in exhaled breath condensate as a biomarker of different severe asthma phenotypes.**  
Giulia Scioscia (Lucera, FG, Italy), Grazia Cotugno, Piera Soccio, Donato Lacedonia, Maria Pia Foschino Barbaro, Giovanna Elisiana Carpagnano
- 
- PA1018 Beclin1 circulating levels and accelerated ageing markers in COPD**  
Frédéric Schlemmer (Créteil Cedex, France), Frédéric Schlemmer, Laurent Boyer, Thibaud Soumagne, Audrey Ridoux, Lucie Bizard, Elisabeth Marcos, Bruno Housset, Christos Chouaid, Bernard Maitre, Sophie Lanone, Serge Adnot, Etienne Audureau, Jorge Boczkowski
- 
- PA1019 Molecular phenotyping of chronic bronchitis: mucin and inflammatory gene expression heterogeneity in COPD**  
Stephanie Christenson (San Francisco, United States of America), Samaneh Bolourchi, Gary Huffnagle, John Erb-Downward, Guido Hanauer, Marina Saetta, Klaus Rabe, Fernando J Martinez, Prescott G Woodruff
- 
- PA1020 Pulmonary and systemic cellular immune response network in patients with mild-moderate COPD**  
Maria Rosa Faner Canet (Barcelona, Spain), Tamara Cruz, Alejandra López-Giraldo, Guillaume Noell, Laureano Molins, Manel Juan, Marco Antonio Fernandez, Alvar Agusti

## TP-21 (Hall 4)

## Session 122

12:50 - 14:40

## Thematic Poster: Novel pro- and anti-fibrotic mechanisms in pulmonary fibrosis

**Chairs :** Olivier Burgy (Aurora, United States of America), Agnes W. Boots (Maastricht, Netherlands), Michael Beers (Wayne, United States of America), Gunilla Westergren-Thorsson (Lund, Sweden)

- PA1021 LSC - 2017 - Profibrotic signaling by TGF- involves NADPH oxidase 4 dependent activation of tyrosine kinase Src and mitochondrial ROS**  
Carmen Veith (Maastricht, Netherlands), Milena Hristova, Agnes Boots, Frederik-Jan van Schooten, Albert van der Vliet
- 
- PA1024 Prevention the TGF- induced epithelial-mesenchymal transition with atorvastatin in human A549 cell line**  
Fusun Öztay (Istanbul, Turkey), Merve Yıldırım, Zeynep Eda Atmaca, Ozgecan Kayalar
- 
- PA1025 Target gene identification of TGF- -induced miR-455-3p and miR-21-3p in lung fibroblasts**  
Jennie Ong (Groningen, Netherlands), Wim Timens, Vijay Rajendran, Arjan Algra, Avrum Spira, Marc Lenburg, Joshua Campbell, Maarten van den Berge, Dirkje Postma, Anke van den Berg, Joost Kluiver, Corry-Anke Brandsma
- 
- PA1027 The potential role of intracellular heat shock protein 70 deficiency in aging and pulmonary fibrosis.**  
Jacobo Sellares Torres (Barcelona, Spain), Katelynn J. J. Thiel, Nayra Cardenas, Frank Schneider, Joseph M. Pilewski, Mauricio Rojas, Carol A. Feghali-Bostwick, Kristen Veraldi
- 
- PA1028 Perlecan and heparan sulphate are abundant in fibroblast foci in Idiopathic Pulmonary Fibrosis.**  
Oskar Hallgren (Lund, Sweden), Gunilla Westergren-Thorsson, Xiao-Hong Zhou, Marie Hornfelt, Kristina Rydell-Törmänen, Leif Bjermer
- 
- PA1029 Treatment of sulfur dioxide-induced lung injury in rats**  
Sofia Jonasson (UMEÅ, Sweden), Elisabeth Wigenstam, Lina Ågren, Anders Bucht, Linda Elfsmark



- PA1030** **Bleomycin induced pulmonary fibrosis in rats: Protective effects of vitamin D**  
Fatma Erboy (Kozlu - Zonguldak, Turkey), Emine Y İmaz Sipahi, Berrak Güven, Gamze Yurdakan, Furuzan Kokturk, Füsün Comert, Figen Atalay
- PA1031** **Aerobic exercise can impair lung fibrotic and functional response in a model of bleomycin-induced lung fibrosis: a time-dependent effect**  
Rodolfo De Paula Vieira (Sao Jose Dos Campos/Sp, Brazil), Elias El-Mafarjeh, Alana Santos Dias, Manoel Carneiro Oliveira-Junior, Renata Kelly da Palma, Luis Vicente Franco de Oliveira, Ana Paula Ligeiro de Oliveira, Oliver Eickelberg
- PA1032** **Chronic kidney disease induces lung injury and mechanical alterations: gender differences and laser treatment.**  
Renata Palma (SAO PAULO/SP, Brazil), Marcos Cenedeze, Luis Vicente Franco Oliveira, Niels Olsen Saraiva Camara, Alvaro Pacheco e Silva Filho, Flávia Mafra de Lima
- PA1033** **Heat shock protein 90 inhibitors block pulmonary fibrosis and dysfunction in HCl-exposed mice.**  
John Catravas (Norfolk, United States of America), Christiana Dimitropoulou, Nektarios Barabutis, Gagan Thangjam
- PA1034** **Detrimental role for matrix metalloprotease-1 in the pathogenesis of pulmonary fibrosis**  
Janwillem Duitman (Paris, France), Cong Lin, Awen Menou, Keren S. Borensztajn, C. Arnold Spek, Bruno Crestani
- PA1035** **Expression of the MET receptor kinase is a potential functional marker of Idiopathic pulmonary fibrosis**  
Giulia Maria Stella (Pavia, Italy), Elisa Gili, Evelina Fagone, Melissa Milan, Federica Meloni, Mary Fruciano, Silvia Benvenuti, Carlo Vancheri

TP-22 (Hall 4)

Session 123

12:50 - 14:40

**Thematic Poster: Towards better treatments for lung disease: experimental pharmacology**

**Chairs :** Nelly Frossard (Illkirch, France), Anna-Karin Larsson-Callerfelt (Lund, Sweden), Sara Jane Bonvini (London, United Kingdom), Ruth Saunders (Leicester, United Kingdom)

- PA1036** **A case control study: The role of leukotriene receptor antagonist in cardiovascular risk**  
Malvina Hoxha (Tirane, Albania), Visar Malaj, GianEnrico Rovati, Marianela Vara Messler, Celia Rivilla Doce, Aurora Bueno Cavanillas
- PA1037** **Effect of salmetrol-fluticason combination and tiotropium on clinical and physiological improvement of bronchial anthracofibrosis, a double blind randomized, cross over, placebo controlled, clinical trial.**  
Majid Mirsadraei (Mashhad, Islamic Republic of Iran), Parisa Saeidi
- PA1038** **LPA1 antagonists BMS-986020 and BMS-986234 for idiopathic pulmonary fibrosis: Preclinical evaluation of hepatobiliary homeostasis**  
Glenn Rosen (Lawrenceville, United States of America), Lakshmi Sivaraman, Peter Cheng, Brian Murphy, Kristina Chadwick, Lois Lehman-McKeeman, Rose Christian, Michael Gill
- PA1039** **Effect of exendin-4 on lung function of diabetic patients: a preliminary report**  
Paola Rogliani (Roma, Rm, Italy), Luigino Calzetta, Josuel Ora, Mario Cazzola, Davide Lauro, Maria Gabriella Matera, Angelo Coppola
- PA1040** **CHF 6001 inhibits nuclear translocation of NF- $\kappa$ B in LPS-induced lung inflammation in mice**  
Fabio Stellari (Parma, Pr, Italy), Francesca Ruscitti, Andrew Allen, Alessandro Fioni, Carlo Pappani, Chiara Carnini, Andrea Dall'Ert, Francesco Amadei, Valentina Bagnacani, Gino Villetti, Maurizio Civelli
- PA1041** **Bufeï Jianpi granules decrease skeletal muscular cell apoptosis via improving mitochondrial dysfunction in rats with chronic obstructive pulmonary disease**  
Jing Mao (zhengzhou,henan,, China), Ya Li, Qingqing Bian, Junzi Li, Lanxi Zhang, Yuanyuan Hu, Huige Ji, Suyun Li, Jiansheng Li
- PA1042** **The combination of PDE4 and PDE5 inhibitors reduces YAP expression in IPF**  
Sonia Contreras (VALENCIA, Spain), Jorge Oliver, Juliette Albert, Giancarlo Forte, Julio Cortijo, Beatriz Ballester
- PA1043** **Meta-analysis of two clinical trials: Slowing respiratory decline in Duchenne muscular dystrophy (DMD)**  
Mika Leinonen (Liestal, Switzerland), Thomas Meier, Gunnar Buyse on behalf of the DELOS Study Group
- PA1044** **Dipeptide HCH-1 inhibits neutrophil activation and protects against acute lung injury by blocking FPR1**  
Tsong-Long Hwang (Taoyuan, Taiwan)
- PA1045** **VEGF induces ECM synthesis and fibroblast activity in human lung fibroblasts**  
Anna-Karin Larsson-Callerfelt (Lund, Sweden), Annika Andersson Sjöland, Oskar Hallgren, Mariam Bagher, Lena Thiman, Claes-Göran Löfdahl, Leif Bjermer, Gunilla Westergren-Thorsson
- PA1046** **Clinically-relevant computational model of airway remodelling to design and optimise interventions to treat asthma**  
Himanshu Kaul (Toronto, Canada), Chris Brightling, Rod Smallwood

- PA1047 Opioid-neurotensin hybrid influences pulmonary inflammatory process in murine model of non-atopic asthma.**  
Ewelina Kogut (Warszawa, Poland), Katarzyna Kaczyńska, Andrzej Lipkowski, Patrycja Kleczkowska
- 
- PA1048 Anti-inflammatory effects of Low Level Laser (LLL) in a murine model of asthma and its combination with the standard treatment**  
Auriléia Aparecida De Brito Léia (Vargem Grande Paulista, Brazil), Tawany Gonçalves Santos, Cintia Estefano Alves, Nicole Cristine Rigonato-Oliveira, Luana Beatriz Vitoretti, Maysa Alves Rodrigues Brandão-Rangel, Flávio Aimbire, Rodolfo de Paula Vieira, Ana Paula Ligeiro de Oliveira Ligeiro-Oliveira
- 
- PA1049 Bufei Yishen granules decrease inflammation and extracellular matrix deposition in airway remodeling in chronic obstructive pulmonary disease rats**  
Ya Li (Zhengzhou, China), Yang Wang, Jing Mao, Xuefang Liu, Zhaohuan Wu, Qingqing Bian, Junzi Li, Lanxi Zhang, Yuanyuan Hu, Huige Ji
- 
- PA1050 Anti-IL17 treatment controls airway asthmatic responses exacerbated by LPS**  
Luciana Aristoteles (Santos/Sp, Brazil), Iolanda Tiberio, Tabata Maruyama, Leandro Camargo, Flavia Ribas, Maysa Cruz, Silvia Fukuzaki, Maria Alonso, Edna Leick, Renato Fragar, Carla Prado, Milton Martins
- 
- PA1051 Anti IL-17 with or without Rho kinase inhibitor in mice with chronic allergic pulmonary inflammation**  
Tabata Santos (SAO PAULO/SP, Brazil), Renato Righetti, Luciana Aristoteles, Leandro Camargo, Silvia Fukusaki, Flávia Souza, Maysa Cruz, Maria Alonso-Vale, Beatriz Saraiva-Romanholo, Carla Prado, Milton Martins, Iolanda Tiberio, Edna Leick
- 
- PA1052 Anti-inflammatory, antioxidant and immunomodulatory effects of curcumin in sensitized rat**  
Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Farzaneh Shakeri
- 
- PA1053 Pharmacological validation of a new IPF bleomycin-induced mouse model**  
Fabio Stellari (Parma, Pr, Italy), Francesca Ruscitti, Francesca Ravanetti, Antonio Cacchioli, Gino Villetti, Maurizio Civelli
- 
- PA1054 Effect of ambroxol on whole lung mucociliary clearance in sheep.**  
Stephan Koelsch (Frankfurt, Germany), Ulrike Sent, Peter Nickolaus, William Abraham
- 
- PA1055 Interaction between tiotropium bromide and olodaterol in small human airways**  
Luigino Calzetta (Roma, Rm, Italy), Paola Rogliani, Francesco Facciolo, Maria Gabriella Matera, Mario Cazzola

## TP-23 (Hall 4)

## Session 124

12:50 - 14:40

## Thematic Poster: COPD management

**Chairs :** Bilun Gemicioglu (Istanbul, Turkey), Richard N.R. Dekhuijzen (Nijmegen, Netherlands), Maarten van den Berge (Groningen, Netherlands), Pierre-Olivier Girodet (Bordeaux, France)

- PA1056 Safety profile of COPD medications in COPD patients with concomitant diabetes mellitus**  
Stefan Krüger (Dusseldorf, Germany), Stefan Krüger, Claudia Mailaender, Steven Shen, Benjamin Ertle, Robert Fogel, Sven Glaeser
- 
- PA1057 Single inhaler triple therapy in advanced COPD patients: prior medication and disease severity FULFIL subanalyses**  
David Lipson (Wynnewood, United States of America), Helen Barnacle, Ruby Birk, Noushin Brealey, Chang-Qing Zhu, Mark Dransfield, David Lomas
- 
- PA1058 Case series of long-term macrolide therapy effect on eosinophil count in COPD**  
Rachelle Ascik (Oxford, United Kingdom), Samantha Thulborn, Mona Bafadhel
- 
- PA1059 Effect of the five-element music therapy based on the midnight-noon ebb-flow theory on Somniphathy Patients with COPD Accompanied by Anxiety.**  
Hongjing Lin (Changchun City, China), Guangwei Zhang, Jiahui Ma, Fangbo Zhao
- 
- PA1060 Risk factors for discontinuation of roflumilast in COPD patients**  
Chin Kook Rhee (Seoul, Republic of Korea), Yong Bum Park, Hyoung Kyu Yoon
- 
- PA1061 Differences in attitudes and knowledge of doctors and nurses towards oxygen prescribing in a district general hospital**  
Syed Fayyaz Hussain (Kettering, United Kingdom), Maheen Gill, Nur Najah Binti Mahmood, Stephanie Amy Brown
- 
- PA1062 The relationship between symptom scores and medication adherence in stable COPD patients**  
Derya Kocakaya (STANBUL, Turkey), ehnaz Olgun Yıldızi, Hüseyin Arkan, Yusuf Erbayat, Seyhan Hırdolu, Rezzan Gülhan, Berrin Bağcı, Ceyhan, Emel Eryüksel
- 
- PA1063 The impact of vaccination on the dynamics of bronchial and systemic inflammation in patients with COPD and CHD**  
Galina Ignatova (Chelyabinsk, Russian Federation), Galina Ignatova, Maria Belsner

- PA1064** **The importance of eosinophilic inflammation in COPD exacerbations**  
Margarida Souto Vargas-Castanho (LISBOA, Portugal), Fernando Menezes, Jorge Roldão-Vieira
- 
- PA1065** **Combined dual bronchodilator and wearable headset-based exercise training enhance daily activity monitored by wearable watch in COPD>**  
Kuan-Yuan Chen (Taipei, Taiwan), Shu-Chuan Ho, Kang-Yun Lee, Wen-Te Li
- 
- PA1066** **BLOOD EOSINOPHILS AND SMOKING HISTORY AFFECT OUTCOME WITH HIGH DOSE N-ACETYLCYSTEINE TREATMENT IN COPD**  
Alberto Papi (Ferrara, Italy), Guy Brusselle, Francesco Sergio, Marco Pannacci, Jinping Zheng, Gerard Criner
- 
- PA1067** **The significance of the adherence to the discharge criteria in patients with acute exacerbation of COPD on early readmission**  
Zaher Azzam (Haifa, Israel), Gidon Berger, Roni Nasser, Danny Epstein, Rawan Azzam, Itai Gofman, Walid Saliba, Emilia Hardak
- 
- PA1068** **Antibiotic therapy of community-acquired pneumonia in the hospital setting: national guidelines and real clinical practice.**  
Shakhboskhan Akhmedov (Tashkent, Uzbekistan), Irina Liverko, Natalya Gafner, Ziyoda Akhmedova
- 
- PA1069** **Single inhaler triple therapy in patients with advanced COPD (FULFIL): exacerbation/pneumonia composite outcomes**  
Mark Dransfield (Birmingham, United States of America), David Halpin, Helen Barnacle, Ruby Birk, Noushin Brealey, Chang-Qing Zhu, David Lipson
- 
- PA1070** **Low rate of exacerbations following initiation of LABA/LAMA fixed-dose combinations: An analysis of the DACCORD real life study**  
Claus Vogelmeier (Marburg, Germany), Roland Buhl, Carl-Peter Criée, Peter Kardos, Nadine Lossi, Heinrich Worth
- 
- PA1071** **Biomarkers in COPD: Beneficial effects of roflumilast**  
Iryna Savelikhina (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Kseniia Ostrovska, Mariana Kulynych-Miskiv, Oleksandr Varunkiv, Kostiantyn Shvets
- 
- PA1072** **The role of biomarkers and effectiveness of maintenance therapy in stable severe COPD**  
Iryna Savelikhina (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Kseniia Ostrovska, Oleksandr Varunkiv, Mariana Kulynych-Miskiv, Kostiantyn Shvets
- 
- PA1073** **Safety, tolerability, pharmacokinetics (PK), and pharmacodynamics (PD) of AZD7594 after single and multiple ascending inhaled doses in healthy Japanese males**  
Yingxue Chen (Waltham, United States of America), Hong-Lin Su, Mary Brown, Mats Bjersing, John Steele, Ajay Aggarwal
- 
- PA1074** **Rosuvastatin influence on inflammatory and anti-inflammatory cytokines in blood in patients with chronic obstructive pulmonary disease**  
Elena Samorukova (Moscow, Russian Federation), Andrew Malyavin, Tatiana Adasheva, Vladimir Zadionchenko
- 
- PA1075** **Respiratory safety profile of indacaterol/glycopyrronium (IND/GLY) versus salmeterol/fluticasone (SFC): results from the FLAME study**  
Jadwiga Wedzicha (London, United Kingdom), Claus F. Vogelmeier, Tim Ayers, Petter Olsson, Francesco Patalano, Chau Thach, Robert Fogel, Donald Banerji

TP-24 (Hall 4)

Session 125

12:50 - 14:40

**Thematic Poster: Markers of COPD progression**

**Chairs :** Eduardo Márquez Martín (Sevilla, Spain), Fabiano Di Marco (Trezzano Sul Naviglio (Mi), Italy), Otto Chris Burghuber (Vienna, Austria), Huib A.M. Kerstjens (Groningen, Netherlands)

- PA1076** **Elevated blood neutrophil levels in GOLD 2017 COPD group D – results from the TIE-study**  
Jens Ellingsen (Uppsala, Sweden), Marieann Högman, Kristina Bröms, Hans Hedenström, Björn Stållberg, Karin Lisspers, Christer Janson, Andrei Malinovsky
- 
- PA1077** **Small airways disease in asthma with-and without- fixed airflow obstruction and COPD**  
Theerasuk Kawamatawong (Bangkok, Thailand), Prapaporn Pornsuriyasak, Supattra Khiawwan, Sasivimol Rattanasiri, Nattawut Unwanatham, Tananchai Petnak
- 
- PA1078** **Short telomere length and its association with risk for COPD and emphysema severity: Korean Obstructive Lung Disease (KOLD) cohort study**  
Seong Yong Lim (Seoul, Republic of Korea), Ki-Jeong Kim, Won-Yeon Lee, Chin Kook Rhee, Hye Yoon Park, Woo Jin Kim, Yeon-Mok Oh, Sang Do Lee, Kwang Ha Yoo

- PA1079 Emphysematous phenotype is characterized by low eosinophils - a cross-sectional study**  
Andriana Papaioannou (Vrilissia, Athens, Greece), Konstantinos Kostikas, Papaporfyriou Anastasia, Angelakis Leonidas, Papatthanasiou Evgenia, Hillas Georgios, Mazioti Argyro, Bakakos Petros, Koulouris Nikolaos, Papisir Spyros, Loukides Stelios
- 
- PA1080 Serum vitamin D level is associated with emphysema progression in male patients with COPD**  
Changhwan Kim (Jeju-si, Republic of Korea), Yong Bum Park, Yousang Ko
- 
- PA1081 Frequent exacerbators among patients with COPD - prevalence and stability**  
Iliya Krachunov (Pleven, Bulgaria), Nikolay Kyuchukov, Zlatina Ivanova, Nikolay Yanev, Petkana Hristova, Plamen Pavlov, Pavlina Glogovska, Tsanya Popova, Yavor Ivanov
- 
- PA1082 Lung function reversibility as a predictor of disease progression in COPD**  
Linnea Jarenbäck (Gantofta, Sweden), Jaro Ankerst, Leif Bjermer, Ellen Tufvesson
- 
- PA1083 Evolution in the prescription of the therapy combined with ICS-LABA in COPD: TRACE STUDY**  
Michelle Andrea Espinoza Solano (SEVILLA, Spain), Laura Carrasco, Carmen Calero, Eduardo Marquez, Maria Abad, Francisco Ortega, J.L Lopez Campos
- 
- PA1084 Persistence of clinical criteria of chronic bronchitis in patients with COPD over time: A longitudinal analysis of the TRACE cohort.**  
Michelle Andrea Espinoza Solano (SEVILLA, Spain), Laura Carrasco, Carmen Calero, Eduardo Marquez, Maria Avad, Francisco Ortega, Jose Luis Lopez Campos
- 
- PA1085 Respiratory parameters predict mortality in COPD patients - data from the Czech multicentre research database of severe COPD.**  
Kristian Brat (Brno, Czech Republic), Vladimir Koblizek, Marek Plutinsky, Jaromir Zatloukal, Patrice Popelkova, Tomas Dvorak, Petr Safranek, Ondrej Sobotik, Alena Vlachova, Petr Vanik, Zuzana Liptakova, Lucie Heribanova, Blanka Snelerova, Pavlina Musilova, Maria Majerciakova, Tomas Vencalek, Eva Kocova, Barbora Novotna, Michal Kopecky, Ondrej Kudela, Katerina Neumannova, Eva Volakova, Karel Hejduk, Jan Svancara, Jiri Jarkovsky, Michal Svoboda
- 
- PA1086 Assessment of serum uric acid in COPD exacerbations**  
Balazs Antus (Budapest, Hungary), Orsolya Drozdovszky, Imre Barta, Zsuzsanna Kelemen, Janos Varga
- 
- PA1087 Assessment of nutrition and muscle mass loss in patients with severe COPD.**  
Eva Voláková (Olomouc, Czech Republic), Eva Voláková, Jaromir Zatloukal, Marek Plutinsky, Patrice Popelkova, Tomas Dvorak, Petr Safranek, Ondrej Sobotik, Alena Vlachova, Petr Vanik, Zuzana Liptakova, Lucie Heribanova, Blanka Snelerova, Pavlina Musilova, Maria Majerciakova, Tomas Vencalek, Eva Kocova, Barbora Novotna, Michal Kopecky, Ondrej Kudela, Katerina Neumannova, Kristian Brat, Karel Hejduk, Jan Svancara, Jiri Jarkovsky, Michal Svoboda, Vladimir Koblizek
- 
- PA1088 The comparison of eosinophilic and non-eosinophilic stable COPD patients**  
Gülstan Karadeniz (ZMR, Turkey), Gülstan Karadeniz, Serir Aktogu Özkan, Onur Fevzi Erer, Gülru Polat, Fatma Ücsular, Enver Yalınöz, Melih Büyükürün
- 
- PA1089 Influence of global cardiovascular risk on health related quality of life in patients with Chronic Obstructive Pulmonary Disease. Differences between frequent and infrequent exacerbator phenotype.**  
Patricia Gutierrez Castano (Malaga, Spain), Adolfo Doménech del Río, Ana Muñoz Montiel, María Jesús Prunera Pardell, Casilda Oliveira Fuster, Miguel Ángel Sánchez Chaparro
- 
- PA1090 Multidimensional assessment in severe asthma: A systematic review**  
Vanessa Clark (New Lambton Heights, Australia), Peter Gibson, Grayson Genn, Ian Pavord, Vanessa McDonald
- 
- PA1091 Cardiovascular comorbidity in severe COPD patients**  
Alexa Nuñez (Barcelona, Spain), Alexa Gabriela Nuñez Dubon, Berta Saez, David Clofent, Miriam Barrecheguren, Cristina Esquinas, Antonio Roman, Marc Miravittles
- 
- PA1092 Use of an online selfmanagement program improves self-efficacy abilities in COPD patients**  
Geertje M. de Boer (Rotterdam, Netherlands), Bianka Mennema, Esther van Noort, Erwin Birnie, Hans in 't Veen
- 
- PA1093 Systematic review on the use of bioelectrical impedance analysis in chronic obstructive pulmonary disease**  
Francesca de Blasio (Pozzuoli, NA, Italy), Paola Alicante, Ada Di Gregorio, Francesco de Blasio, Giulia Miracco Berlingieri, Barbara Bellofiore, Luca Scalfi
- 
- PA1094 Raw bioelectrical impedance variables are predictors of survival in chronic obstructive pulmonary disease**  
Francesca de Blasio (Pozzuoli, NA, Italy), Luca Scalfi, Ada Di Gregorio, Giulia Miracco Berlingieri, Marina De Martino, Francesco de Blasio
- 
- PA1095 Clinical and inflammatory characteristics of patients with COPD in primary care: an observational study**  
Mona Bafadhel (Oxford, United Kingdom), Joanne Davies, Helen Jeffers, Simon Cartwright, Christine A'Court, Nick Thomas, Robin Fox

TP-25 (Hall 4)

Session 126

12:50 - 14:40

**Thematic Poster: Classifying COPD with multidimensional scores and biomarkers****Chairs :** Peter H. Howarth (Southampton, United Kingdom), Andriana Papaioannou (Vrilissia, Athens, Greece), Florence Schleich (Liège, Belgium), Jose Luis Lopez-Campos Bodineau (Sevilla, Spain)

- PA1096** **A small-scale trial of home telemonitoring in patients with COPD- The Israeli patient experience**  
Amir Bar-Shai (Tel-Aviv, Israel), Michal Rotem-Green, Netaly Gross
- 
- PA1097** **GOLD 2011 versus GOLD 2017 – What does change?**  
Ana Raquel Caldas Marçôa (Matosinhos, Portugal), Ana Raquel Caldas Marçôa, Daniela Rodrigues, Inês Ladeira, Ricardo Lima, Ana Paula Vaz, Miguel Guimarães
- 
- PA1098** **Revisiting the role of Spirometry in the diagnosis of upper airway obstruction.**  
Deepthi Laldayal (THRISSUR (KERALA), India)
- 
- PA1099** **The use of FENO in COPD: the relationship to pulmonary function tests and its importance in differential diagnosis.**  
Eugerta Dilka (Tirana, Albania), Eritjan Tashi, Esmeralda Nushi, Dafina Todri, Alma Teferici, Roland Kore, Jeta Beli, Oltion Sina, Jetmira Shehu, Serxho Kolgota, Perlat Kapisyzi, Artana Simaku
- 
- PA1100** **Association of elevated CRP and IL-6 with rapid decline in lung function and exacerbation in tuberculosis destroyed lung**  
Jae Jeong Shim (Seoul, Republic of Korea), Juwhan Choi, Sangmi Chung, Jong Hyun Choi, Jae Kyeom Sim, Jee Youn Oh, Young Seok Lee, Kyung Hoon Min, Gyu Young Hur, Sung Yong Lee, Kyung Ho Kang
- 
- PA1101** **The evaluation of home oxygen saturation for prediction of acute exacerbations of COPD.**  
Wojciech Piotrowski (ód , Poland), Joanna Mi kowska - Dymanowska, Adam Jerzy Bia as, Pawe Górski
- 
- PA1103** **The Correlation of Serum Brain Natriuretic Peptide and Interlukin-6 with Quality of Life using COPD assessment test**  
Hassan Ghobadi-Marallu (Ardabil, Islamic Republic of Iran), Mohammad Reza Aslani, Adalat Hosseinan, Esmail Farzaneh
- 
- PA1104** **What does a highly positive bronchodilator test indicate in a patient with chronic airflow obstruction?**  
Maria Cerda (Palma, Spain), Jose Luis Valera, Nuria Toledo, Maria Noguera, Rocio Martinez, Susana Romero, Carmen Rendon, Juana Maria Bover, Ernest Sala, Borja G. Cosio
- 
- PA1106** **Systemic inflammation, blood eosinophils count and lung function in COPD patients**  
Monica Chirea (RAMNICU SARAT/BUZAU, Romania), Alina Croitoru, Daniela Jipa, Marius Sava, Stefan Dumitrache-Rujinski, Claudia Toma, Emilia Crisan, Miron Bogdan
- 
- PA1108** **Fixed ratio or LLN for defining airflow obstruction in population screening**  
N. Funda Co kun (Bursa, Turkey), Nilufer Aylin Acet Öztürk, Asli Gorek Dilektasli, Ezgi Demirdogen Cetinoglu, Ozge Aydin Guclu, Mehmet Karadag, Esra Uzaslan
- 
- PA1109** **Predicting the clinical outcome in COPD: Who fares the best-BODE, DOSE or ADO**  
RAJATHILAKAM NADARAJAN KUMARI (KOLLAM (KERALA), India), KIRAN V N, ANANDAN P T, RAJAGOPAL T P, JAMES P T
- 
- PA1110** **Comparison of Fractional Nitric Oxide in Exhaled Breath in bronchial asthma and COPD**  
Saurabh Mittal (DELHI (NEW DELHI), India), Anant Mohan, Karan Madan, Vijay Hadda, Randeep Guleria, Gopi Chand Khilnani, Ravindra Mohan Pandey
- 
- PA1111** **Fractional exhaled nitric oxide for eosinophilic inflammation in stable COPD**  
Yumiko Kashiwagi (Otsu, Japan), Emiko Ogawa, Ruriko Yukimura, Yuichi Higami, Daisuke Kinose, Masafumi Yamaguchi, Makoto Osawa, Taishi Nagao, Yasutaka Nakano
- 
- PA1112** **Atrial fibrillation as a relevant comorbidity in patients with acute exacerbation of chronic obstructive pulmonary disease**  
Stefanie Keymel (DUSSELDORF, Germany), Ann-Sophie Fleischer, Aria Hemat, Stefan Krüger
- 
- PA1113** **The impact of the three GOLD severity classifications of COPD (2001, 2011 and 2017) in the same population of patients.**  
Susana Moreira (Lisboa, Portugal), Catia Oliveira, Dina Escaleira, Richard Staats, João Valença, André Barros, Cristina Bárbara
- 
- PA1114** **Prospective study of echocardiography in chronic obstructive pulmonary disease in tertiary hospital**  
Yunus Ahmed Sheriff (BANGALORE (KARNATAKA), India), Raghupathi Narasimhan

**Therapy of COPD based on clinical phenotypes**

- PA1115** Jaromir Zatloukal (Olomouc, Czech Republic), Eva Volakova, Marek Plutinsky, Patricie Popelkova, Tomas Dvorak, Petr Safranek, Ondrej Sobotik, Alena Vlachova, Petr Vanik, Zuzana Liptakova, Lucie Heribanova, Blanka Snelerova, Pavlina Musilova, Maria Majerciakova, Tomas Vencalek, Eva Kocova, Barbora Novotna, Michal Kopecky, Ondrej Kudela, Katerina Neumannova, Kristian Brat, Karel Hejduk, Jan Svancara, Jiri Jarkovsky, Michal Svoboda, Vladimir Koblizek

TP-26 (Hall 4)

Session 127

12:50 - 14:40

**Thematic Poster: Airway disease and exacerbations**

**Chairs :** Juan Luis García Rivero (Mogro (Cantabria), Spain), Pierre-Régis Burgel (Paris, France), Joanna Chorostowska-Wynimko (Warszawa, Poland)

- PA1116** **Suitability of patients with perceived AECOPD for referral to a COPD unit at a district general hospital**  
Angela Macfoy (Manchester, United Kingdom), James Killeen, Shawn Ooi, Imran Aziz
- PA1117** **Peripheral blood eosinophil counts in COPD patients and its relationship with prescription of inhaled corticosteroid in real world setting in Japan.**  
Hiroyuki Nagase (Tokyo, Japan), Mariko Ujino, Ayaka Watanabe, Yuta Koizumi, Yusuke Tanaka, Shoki Ro, Michio Kuramochi, Hidenori Arai, Masao Yamaguchi, Ken Ohta
- PA1118** **Acinar and bronchial nitric oxide levels in stable and exacerbated COPD.**  
Zsófia Lázár (Budapest, Hungary), Zsófia Lázár, András Bikov, Ágnes Kelemen, Rita Puskás, Gabriella Gálffy, Péter Horváth, György Losonczy
- PA1119** **COPD non-exacerbator phenotype is associated with current smoking but not with Haptoglobin phenotype**  
Michal Shteinberg (Haifa, Israel), Sagee Tal, Andrew Levy, Hadar Shalom, Nili Stein, Yochai Adir
- PA1120** **Comorbidity related hospitalizations among COPD patients indicated for long-term oxygen therapy**  
Nikolay Kyuchukov (Pleven, Bulgaria), Iliya Krachunov, Zlatina Ivanova, Nikolay Yanev, Petkana Hristova, Plamen Pavlov, Pavlina Glogovska, Tsania Popova, Ivanov Yavor
- PA1121** **Stability of fixed airflow limitation in patients with asthma: 1 year follow-up**  
Galina Sergeeva (St Petersburg, Russian Federation), Alexander Emelyanov, Eugenia Leshenkova, Antonina Znakhurenko, Svetlana Rebrova, Nana Asatiani
- PA1122** **Psychological factors influencing results of Asthma Control Test (ACT)**  
Marek Przybyszowski (Kraków, Poland), Romuald Polczyk, Agnieszka Sliwka, Rafal Pilinski, Tomasz Wloch, Roman Nowobilski, Grazyna Bochenek, Krzysztof Sladek
- PA1123** **Local and systemic nucleic acid damage in COPD exacerbations.**  
Imre Barta (Budapest, Hungary), Orsolya Drozdovszky, Balázs Antus
- PA1124** **Asthma Control Test (ACT) result as a predictor of asthma exacerbations**  
Marek Przybyszowski (Kraków, Poland), Romuald Polczyk, Agnieszka Sliwka, Rafal Pilinski, Tomasz Wloch, Roman Nowobilski, Grazyna Bochenek, Krzysztof Sladek
- PA1125** **Evaluation of asthma control from China national asthma control surveys**  
Jiangtao Lin (BEIJING, China), Wenqiao Wang, Xin Zhou, Changzhen Wang, Mao Huang, Shaoxi Cai, Ping Chen, Qichang Lin, Jianying Zhou, Yuhai Gu, Yadong Yuan, Dejun Sun, Xiaohong Yang, Lan Yang, Jianmin Huo, Zhuochang Chen, Ping Jiang, Jie Zhang, Xianwei Ye, Huiguo Liu
- PA1126** **Does a composite score combining peripheral blood eosinophils (PBE) and exhaled nitric oxide (FeNO) accurately predict a sputum eosinophilia?**  
Katie Borg (Oxford, United Kingdom), Clare Connolly, Rahul Shrimanker, Gareth Hynes, Mona Bafadhel, Ian Pavord
- PA1127** **Breath sound analysis could predict the length of symptomatic days of wheezy children**  
Katsuhito Iikura (Tokyo, Japan)
- PA1128** **Clinical utility of measuring FeNO to assess inhaled corticosteroid response in asthma.**  
Binu Krishnan (Trivandrum (Kerala), India), S Priya
- PA1129** **Baseline serum CCL5 as a predictor for loss of asthma control and exacerbation during step-wise treatment reduction.**  
Nur Husna Mohd Aminudin (shah alam, Malaysia), Mohamed Faisal Abdul Hamid, Roslan Harun, Andrea Ban Yu-Lin, Azmawati Mohamed Nawi
- PA1130** **Comparison of clinical features and outcome in COPD patients with and without heart failure, admitted at tertiary care hospital.**  
Saadia Ashraf (Peshawar, Pakistan), Amber Ashraf

**PA1131 Point of care measurement of eosinophil derived neurotoxin (EDN) as a biomarker of eosinophilic asthma**  
Simon Young (Melbourn, United Kingdom), Anna Tigerström, Marita Olsson, Magdalena Rhedin, Rabia Hidi, Adam Platt, Glen Hughes, Tim Dwyer, Ravita Kaur

**PA1132 Red blood cell distribution width in patients with chronic obstructive lung disease: how is changed in exacerbation?**  
Sumeyye Alparslan Bekir ( STANBUL, Turkey), Sümeyye Alparslan Bekir, Zuhail Karakurt, Sinem Gungor, Özlem So ukp nar, Baran Gundogus, Emine Aksoy, Eylem Tuncay, Meltem Coban Agca, Murat Yalc nsoy, Sinem Agca Altunbey, Hatice Turker

**PA1133 Markers of severity and inflammatory profile during exacerbations of severe asthma.**  
Uruj Hoda (St Albans, United Kingdom), Hendrica Zwetsloot, Kentaro Takahashi, Pankaj Bhavsar, Kian Fan Chung, Natalie Mensah

**PA1134 Imbalance of anti-inflammatory (resolving D1) and pro-inflammatory (leukotrien B4) arachidonic acid products in exhaled breath condensate of severe refractory asthma.**  
Vratislav Sedlák (Hradec Králové 9, Czech Republic), Petr áp, Petr Ka er, Št pánka Vl ková

**PA1135 Clinical characteristics and prognostic features in infectious and non-infectious COPD exacerbations**  
Sibel At Nayc (Mersin, Turkey), Cavusoglu Gamze, Eylem Sercan Ozgur, Emine Arzu Kan k, Cengiz Özge

TP-27 (Hall 4)

Session 128

12:50 - 14:40

**Thematic Poster: Animal models of asthma and allergies**

**Chairs :** Lena Uller (Lund, Sweden), Patricia Ramos-Ramirez (Stockholm, Sweden), Aran Singanayagam (London, United Kingdom), Apostolos Bossios (Stockholm, Sweden)

**PA1136 Late Breaking Abstract - Blockade of  $\beta$ 2-adrenoceptor augments anaphylaxis-induced increase in pulmonary vascular permeability in anesthetized mice**  
Toshishige Shibamoto (Uchinada, Ishikawa, Japan), Wei Yang, Yuhichi Kuda, Tao Zhang, Mamoru Tanida, Yasutaka Kurata

**PA1137 Late Breaking Abstract - Formaldehyde inhalation impairs immune system and may affects severity of allergic disease**  
Hyo-Seon Yang (Jeongeup-si, Jeollabuk-do, Republic of Korea), Jeongsik Park, Mikyung Song, Kyuhong Lee

**PA1138 Late Breaking Abstract - IL-33 drives influenza-induced exacerbations of asthma by halting anti-viral and Th1 responses**  
Lara Ravanetti (Amsterdam, Netherlands), Annemiek Dijkhuis, Yanaika Sabogal Pineros, Renè Lutter

**PA1139 Late Breaking Abstract - Mammalian target of rapamycin orchestrates eosinophil development in bone marrow**  
Chen Zhu (, China), Lixia Xia, Huahao Shen, Wen Li

**PA1140 Ex vivo virus infection of HDM-sensitized lung tissue proves inadequate anti-viral immune response in small airways**  
Olga Danov (Hannover, Germany), Lisa Laßwitz, Helena Obernolte, Christina Hesse, Armin Braun, Sabine Wronski, Katherina Sewald

**PA1141 Exacerbation of experimental asthma depends on IL-6 but not on IL-23 or ROR t**  
Lars Lunding (Borstel, Germany), Zane Orinska, Christina Vock, Heinz Fehrenbach, Michael Wegmann

**PA1143 Exacerbation of experimental asthma depends on IL-15 and NK cells**  
Lars Lunding (Borstel, Germany), Zane Orinska, Christina Vock, Heinz Fehrenbach, Michael Wegmann

**PA1144 The deletion of Bambi attenuates experimental asthma in mice**  
Christina Vock (Borstel, Germany), Lars Lunding, Gabriele Schramm, Michael Wegmann, Heinz Fehrenbach

**PA1145 A 4-week model of allergic airways inflammation that exhibits the 3 salient features of asthma.**  
Chung-Wai Chow (Toronto, ON, Canada), Lindsay Woo, Wang Guo, Yuxiang Zhang, Sepehr Salehi, Jeremy Scott

**PA1146 Th22 cells develop independently of the Th17 lineage with unique transcriptional properties and plasticity toward Th1-type cells during Influenza infection**  
Maximilian Plank (New Lambton Heights, NSW, Australia), Gerard Kaiko, Steven Maltby, Jessica Weaver, Hock Tay, Shen Wei, Mark Wilson, Scott Durum, Paul Foster

**PA1147 Effect of roflumilast on neutrophilic asthma model**  
Chin Kook Rhee (Seoul, Republic of Korea), Jee Hye Kim, Shin Young Kim, Chan Kwon Park, Hyoung Kyu Yoon

**PA1148 CTLA4-Ig enhanced glucocorticoid effect on murine asthma**  
Akio Mori (Sagamihara, Kanagawa, Japan), Satoshi Kouyama, Miyako Yamaguchi, Chiemi Kumitani, Akemi Ohtomo-Abe, Yuto Nakamura, Yasuhiro Tomita, Yuto Hamada, Yosuke Kamide, Hiroaki Hayashi, Kentaro Watai, Chihiro Mitsui, Kiyoshi Sekiya, Takahiro Tsuburai, Yuma Fukutomi, Masami Taniguchi, Takayuki Ohtomo, Osamu Kaminuma

- PA1149 Up-regulation of chemically-induced but not mechanically-induced cough during early-phase response to allergen inhalation in ovalbumin sensitized rabbits.**  
Silvia Demoulin-Alexikova (Vandoeuvre-lès-Nancy, France), Laurent Foucaud, Bruno Demoulin, Anne-Laure Leblanc, Iulia Ioan, François Marchal, Cyril Schweitzer
- PA1150 Effect of Rho-kinase inhibition on complexity of respiratory dynamics in asthmatic guinea pigs**  
Mohammad Reza Raoufy (Tehran, Islamic Republic of Iran), Saeed Pazhoohan, Sohrab Hajizadeh, Mohammad Javan, Ehsan Aref
- PA1151 Ozone and Sensitization Alter Airway and Nerve-associated Eosinophils**  
Matthew Drake (Portland, United States of America), Katy Lawson, Sarah Wicher, Allison Fryer, David Jacoby
- PA1152 Development of an innovative, Staphylococcus aureus enterotoxin B (SEB)-aided rat model of atopic asthma**  
David Ramos-Barbon (Barcelona, Spain), Rubén Osuna Gómez, Eder Fredy Mateus Medina, Vicente Plaza Moral
- PA1153 A rat model of spontaneous, nonatopic bronchial hypereosinophilia**  
David Ramos-Barbon (Barcelona, Spain), Éder Fredy Mateus Medina, Anna Plana Bonamaisó, Rubén Osuna Gómez, Vicente Plaza Moral
- PA1154 Fel d1 and fel d4 fur, urine and saliva levels in domestic cats**  
Suzanne Kelly (Ottawa, ON, Canada), William Yang, Jacob Karsh, Jennifer Marcelo, Douglas Boeckh, Bryan Santone, Jimmy Yang

TP-28 (Hall 4)

Session 129

12:50 - 14:40

**Thematic Poster: Novel mechanisms in asthma**

**Chairs :** Konstantinos Samitas (Athens, Greece), Mikael Adner (Stockholm, Sweden), Marcin Maciej Kurowski ( ód , Poland), Christian Taube (Essen, Germany)

- PA1155 Late Breaking Abstract - Title: Air-born allergens modulate the immunological lung microenvironment.**  
Claudia Afferni (Roma, Rm, Italy), Valeria Lucarini, Carla Buccione, Giovanna Ziccheddu, Giovanna Schiavoni, Fabrizio Mattei
- PA1156 Activity of apoptotic and inflammatory caspases in THP-1 cells treated with extracellular Hsp70**  
Andrea Hulina (Brdovec, Croatia), Martina Bosnar, Marija Grdi Rajkovi, Dubravko Jeli, Daniela Belamari, Lada Rumora
- PA1158 To explore mechanisms in obesity-associated asthma using functional proteomics technology: A pilot study**  
Zhang Hongping (Chengdu, Sichuan, China), Jing Zheng, Lei Wang, Gang Wang
- PA1159 IL-27 and asthma endotypes- Is there a connection**  
Kavita Pabreja (Newcastle, NSW, Australia), Peter Gibson, Katherine Baines, Fiona Eyers, Ming Yang, Parameswaran Nair, Paul Foster, Jodie Simpson, Katherine Radford
- PA1160 Serum Vitamin D levels in patients with allergic rhinitis and fungal sensitisation**  
Shekhar Kunal (DELHI (NEW DELHI), India), Bala Krishnan Menon, Ashok Shah
- PA1161 The role of vitamin D in severe asthma**  
Filipa De Castro Henriques De Lima (Póvoa de Varzim, Portugal), Inês Franco, Catarina Marques, Inês Ladeira, Ricardo Lima, Ivone Pascoal, Aurora Carvalho
- PA1162 Correlation between plasma levels of IL-33 and Vitamin D in patients with severe uncontrolled allergic asthma**  
Elena Janeva (Skopje, FYROM (Macedonia)), Biserka Kaeva, Gorica Breskovska, Angelko Gjorchev, Zlatica Goseva, Marija Zdraveska, Deska Dimitrievska, Irina Angelkoska, Angela Debreslioska, Gencijana Stevcevska, Dejan Trajkov, Magdalena Dimitrova G
- PA1163 Proteomics analysis of asthma biomarkers: proxima sub-study**  
Pierluigi Mauri (SEGRATE (MI), Italy), Annamaria Riccio, Rossana Rossi, Fabiana Saccheri, Marta Bartezaghi, dario DiSilvestre, Laura Rigoni, Giorgio Walter Canonica
- PA1164 Apoptosis of lymphocytes in rhinal secretion of allergic rhinitis patients**  
Olga Ukhanova (Stavropol, Russian Federation), Indira Ebzeeva, Philip Shcherbinin
- PA1166 Serum levels of IL-6 in adult patients with moderate to severe asthma.**  
Denitsa Dimitrova (SOFIA, Bulgaria), Vania Youroukova, Tsvetelina Velikova, Kalina Tumangelova-Yuzeir, Spaska Lesichkova
- PA1167 Bronchiectasis disease relevant PAMPs stimulate VEGF and neutrophil elastase release from neutrophils**  
Christopher Cole (Middlesbrough, United Kingdom), Sonya Carnell, Kasim Jiwa, Jodie Birch, Katy Hester, Chris Ward, John Simpson, Anthony De Soya



- PA1168** **The relationship of serum interleukin-13 to asthma control in a sample of nigerian asthmatics.**  
Olayemi Fehintola Awopeju (Ile-Ife, Osun State, Nigeria), Lateef Salawu, Oluwasina Salami, Gregory Erhabor
- PA1170** **The characteristics of production TNF- according to the stage of interstitial lung diseases**  
Mirgolib Rakhimov (Samarkand, Uzbekistan), Nematilla Aralov, Feruz Ahmedov
- PA1171** **Clinical validation of Environmental Exposure Chamber in Strasbourg (ALYATEC®) with mite in asthmatic patients**  
Ibrahim CHOUAL (Strasbourg, France), Frédéric DE BLAY, Carmen RADU, Sarah JILANI, Naji KHAYATH, Nathalie DOMIS, Nicole BECK, Sébastien SMET
- PA1172** **Technical qualification of the Environmental Exposure Chamber of Strasbourg (ALYATEC®)**  
Ibrahim CHOUAL (Strasbourg, France), Naji KHAYATH, Carmen RADU, Nathalie DOMIS, Frederic DE BLAY, Sarah JILANI, Nicole BECK, Sebastien SMET
- PA1173** **A naturalistic cat exposure chamber validation**  
Suzanne Kelly (Ottawa, ON, Canada), William Yang, Jennifer Marcelo, Ammr Al-Houssan, Jimmy Yang, Jacob Karsh
- PA1174** **Bronchoobstructive syndrome /BOS/ in the early childhood and asthma at six years of age**  
Elena Georgieva (SOFIA, Bulgaria)

**TP-29 (Hall 4) Session 130 12:50 - 14:40**

**Thematic Poster: Lung function, respiratory symptoms and obstructive sleep apnoea**

**Tag(s) :** Smoking prevention and cessation (HLfL)

**Chairs :** Laura Carrozzi (Pisa, PI, Italy), Ari E. Lindqvist (Helsinki, Finland), Eva Lindberg (Uppsala, Sweden), David Mannino (Lexington, United States of America)

- PA1175** **Late Breaking Abstract - Associations between lung function and incident cardiac events over 350,000 person-years: the NHLBI Pooled Cohorts Study**  
Elizabeth Oelsner (New York, United States of America), Pallavi Balte, Patricia Cassano, David Couper, Aaron Folsom, David Jacobs, Ravi Kalhan, Richard Kronmal, Leslie Lange, R Graham Barr, Laura Loehr, Stephanie London, Ana Navas Acien, Anne Newman, George O'Connor, Joseph Schwartz, Lewis Smith, Wendy White, Fawn Yeh, Sachin Yende
- PA1176** **The use of mini Wright peak flow meter device as a point-of-care screening tool for obstructive airway disease in resource-limited settings**  
Radhika Banka (MUMBAI (MAHARASHTRA), India), Ashna Mangharam, Lancelot Pinto
- PA1177** **Prevalence of abnormal spirometry in the general population of Lausanne (Switzerland) according to GLI 2012**  
Alexandra Lenoir (LAUSANNE, Switzerland), Jean-William Fitting, Pedro Manuel Marques-Vidal, Peter Vollenweider, Laurent Nicod
- PA1178** **Three-generation effects of tobacco smoking on lung function within the paternal line.**  
Simone Accordini (Verona, Vr, Italy), Ane Johannessen, Lucia Calciano, Rain Jögi, Jesús Martínez-Moratalla Rovira, Bryndis Benediksdóttir, Randi Jacobsen Bertelsen, Lennart Bråbäck, Shyamali Dharmage, Francisco Gomez Real, Mathias Holm, Deborah Jarvis, Andrei Malinovsky, Alessandro Marcon, Laura Portas, José Luis Sánchez-Ramos, Cecilie Svanes, Vivi Schlünssen
- PA1179** **Residential PM2.5 and greenness may modify the effect of physical activity on lung function**  
Elaine Fuertes (München, Germany), Iana Markevych, Debbie Jarvis, Bénédicte Jacquemin, Josep M Antó, Gayan Bowatte, Roberto Bono, Margareta Emtner, Thorarinn Gislason, Joachim Heinrich, John Henderson, Ane Johannessen, Nino Künzli, Bénédicte Leynaert, Alessandro Marcon, Silvia Pascual, Johan Sommar, Danielle Vienneau, Judith Garcia-Aymerich
- PA1180** **Forced Oscillation Technique (FOT) vs spirometry for assessing the impact of environmental exposure in children.**  
Laura Maugeri (piossasco, Italy), Stefano Levra, Enrico Mellano, Davide Dassetto, Pavilio Piccioni, Massimiliano Bugiani, Raffele Dellacà, Carlo Gulotta
- PA1181** **Characterization of sociodemographic and health characteristics of USA adults with frequent respiratory symptoms**  
Roy Pleasants (Cary, United States of America), Khosrow Heidari, Jill Ohar, Njira Lugogo, Jim Donohue, Charlie Strange, David Mannino
- PA1182** **Controlled human exposure to indoor air, dust, and ozone; XDOZ**  
Grethe Elholm (Aarhus C, Denmark), Jakob Bønløkke, Vivi Schlünssen, Steffen Loft, Peder Wolkoff, Torben Sigsgaard
- PA1183** **Home or school exposures to mold or dampness are related to respiratory symptoms in children**  
Marzia Simoni (Pisa, PI, Italy), Sandra Baldacci, Mario Canciani, Carlo Pini, Luigia Maria Brunetti, Luciana Indinnimeo, Paolo Carrer, Annibale Biggeri, Piersante Sestini, Sara Maio, Fabio Cibella, Gaspare Drago, Silvia Ruggieri, Giovanni Viegi

- PA1184 Rhinitis Characterisation at 26 Years in the Isle of Wight Cohort**  
Claire Hodgekiss (Chichester, United Kingdom), Hasan Arshad, Graham Roberts, John Holloway, Susan Grevatt, Ramesh Kurukulaaratchy
- PA1185 Obstructive sleep apnoea and incident diabetes mellitus in a Chinese population**  
PEIHANG XU (HongKong, Hong Kong), MACY MS LUI, DAVID CL LAM, MARY SM IP, DANIEL YT FONG, CHRISTOPHER KM HUI
- PA1186 Prevalence and characteristics of Sleep Disordered Breathing in a group of 483 patients with type 2 diabetes**  
Marianne Lescouzeres (Toulouse, France), Kamila Sedkaoui, Alain Didier, Blandine Tramunt, H el ene Hanaire
- PA1187 Obstructive sleep apnea and renal function in the Chilean adult population**  
Juan Carrillo (SANTIAGO, Chile), Eduardo Lorca, Carmen Gloria Bezanilla, Ivonne Orellana, Carolina Urbano
- PA1188 Impact of gender and hormonal status on the prevalence and comorbidities of sleep-disordered breathing**  
Raphael Heinzer (LAUSANNE, Switzerland), Helena Marti-Soler, Pedro Marques-Vidal, Peter Vollenweider, Gerard Waeber, Martin Preisig, Jos e Haba-Rubio
- PA1189 Etiological factors of chronic cough in children: Don't ignore obstructive sleep apnea**  
Nazan  obanoglu (Ankara, Turkey), Nisa Eda Cullas Ilarslan, Fatih Gunay, Zehra Sule Haskologlu, Sevgi Kostel Bal, Zahide Ciler Tezcaner, Ceyda Tuna Kirsaciloglu, Selma Firat, Cansu Altuntas, Bulent Ciftci, Ozan Bagis Ozgursoy,
- PA1190 Obstructive sleep apnea: findings from the Chilean National Health Survey 2010**  
Juan Carrillo (SANTIAGO, Chile), Claudio Vargas, Ariel Cisternas, Pedro Olivares-Tirado
- PA1191 Apparent increase in Mortality amongst Men with Bronchiectasis is principally due to cigarette smoking.**  
Simon Finch (Perth, United Kingdom), James Chalmers, Mellisa McDonnell, Pieter Goeminne, Anthony De Soyza, Aliberti Stefano
- PA1192 Association between air pollution and hospitalizations for bronchiectasis in Badalona (Barcelona), Spain (2007-2015)**  
dan sanchez berenguer (Badalona, Spain), Ignasi Garcia Olive, Joaquim Radua, Agnes Hernandez Biette, Patricia Raya Marquez, Silvia Fernandez Serrano, Joan Ruiz Manzano, Carlos Martinez Rivera, Zoran Stojanovic
- PA1193 Prevalence of respiratory symptoms among university students in Belgrade**  
Branislava Milenkovi (Beograd, Republic of Serbia), Snezana Radic, Snezana Stojanovic-Ristic, Jelena Cvejic, Jelena Jankovic, Sanja Dimic-Janjic, Daliborka Ilic
- PA1194 Derivation and validation of a simplified equation to screen for obstructive airway disease (OAD), in resource limited settings, using a handheld peak flow meter**  
Lancelot Pinto (Montr eal, QC, Canada), Radhika Banka, Ashna Mangharam

TP-30 (Hall 4)

Session 131

12:50 - 14:40

**Thematic Poster: COPD: from screening to risk factors of lung cancer**

Chairs : Anne Lindberg (Boden, Sweden), Marjolein Brusse-Keizer (Enschede, Netherlands), Arnulf Langhammer (Levanger, Norway), Jennifer Quint (Wimbledon, United Kingdom)

- PA1195 Late Breaking Abstract - Association between blood eosinophils and exacerbation risk in COPD primary care**  
Sarah Landis (Uxbridge, United Kingdom), Emma Hilton, Yong Chen, Shibing Yang, Joe Maskell, Chris Compton, Neil Barnes
- PA1196 Late Breaking Abstract - Validation of a tool for the assessment of disease awareness (DA) in COPD**  
Fulvio Braido (Genova, Ge, Italy), Angelo Corsico, Marco Contoli, Nicola Scichilone, Fabiano Di Marco, Pierachille Santus, Paola Rogliani, Fabio Ferri, Patrizia Lessi, Carla Scognamillo, Giorgia Molinengo, Iaria Baiardini
- PA1197 Late Breaking Abstract - The socio-economic cost of asthma, COPD and chronic bronchitis in Europe.**  
Laura Portas (Bolzano, Italy), Simone Accordini, Angelo G Corsico, Lucia Cazzoletti, Isa Cerveri, Margaret W Gerbase, David Gislason, Rune Gronseth, Joachim Heinrich, Rain Jogi, Ane Johannessen, Alessandro Marcon, Isabelle Pin, Margarethe Wacker, Deborah Jarvis, Christer Janson
- PA1198 Validation of the PUMA score for detecting COPD in a primary care population at the Hospital Maciel, Montevideo**  
Cecilia Rodriguez Flores (Montevideo, Uruguay), Cecilia Rodr guez, Maria Victorina Lopez Varela, Maria Montes de Oca, Filip Surmont, Fernando Wehrmeister, Edilberto Pacheco, Ana Mar a Menezes
- PA1199 Costs and health-related quality of life in COPD patients with  $\alpha$ -1-antitrypsin deficiency: results of the COSYCONET cohort**  
Margarethe E. Wacker (Neuherberg, Germany), Florian M. Karl, Rolf Holle, Robert Bals, Timm Greulich, Rudolf A. J rres, Annika Karch, Stefan Karrasch, Armin Koch, Reiner Leidl, Holger Schulz, Claus Vogelmeier

- PA1200** **Greater progression of COPD in low income ever-smokers**  
Katherine Lowe (Golden, United States of America), Barry Make, James Crapo, Carlos Martinez, Greg Kinney, Victor Kim, Anand Iyer, Surya Bhatt, Karin Hoth, Kristen Holm, Robert Wise, Marilyn Foreman, Elizabeth Regan
- PA1201** **Predicting admission, a descriptive analysis of acute exacerbation chronic obstructive pulmonary disease (AECOPD) in the emergency department: a retrospective cohort study**  
Tessa Pletting (Leiden, Netherlands), Tessa Nizet, Harry Heijerman
- PA1202** **Prediction models for the development of COPD: a systematic review**  
Gayan Bowatte (Reservoir, Australia), Melanie Matheson, Jennifer Perret, Adrian Lowe, Chamara Senaratna, Graham Hall, Peter Sly, Nicholas de Klerk, Christine McDonald, Michael Abramson, Shyamali Dharmage
- PA1203** **Hand grip strength is associated with fatigue in COPD**  
Viktor Johansson Strandkvist (Boden, Sweden), Anne Lindberg, Caroline Stridsman, Agneta Larsson, Helena Backman, Mikael Andersson
- PA1204** **HDL serum levels are significantly lower in patients with COPD than in never-smokers**  
David Jungck (Berlin, Germany), Marleen Isabelle Zickfeld, Thorsten Albuscheit, Erna Brandenburger, Jürgen Knobloch, Andrea Koch
- PA1205** **Who participates in a bronchoscopy study, and why?**  
Einar Marius Hjellestad Martinsen (BJOA, Norway), Elise Orvedal Leiten, Tomas Mikal Lind Eagan, Per Sigvald Bakke, Sverre Lehmann, Eli Nordeide, Øistein Svanes, Ingvild Haaland, Gunnar Husebø, Rune Grønseth
- PA1206** **Trends in prevalence of COPD in Greater Glasgow and Clyde: relationships with age, sex and socioeconomic status**  
Marianne Milligan (Glasgow, United Kingdom), Katie Levin, Dave Anderson, Suzanne Marshall, David Raeside
- PA1207** **Development a self-scored COPD screening questionnaire in a general Japanese population**  
Takuya Samukawa (Kagoshima, Japan), Go Tsukuya, Akifumi Uchida, Keiko Mizuno, Chihaya Koriyama, Satoru Fukuyama, Koichiro Matsumoto, Toshiharu Ninomiya, Hiromasa Inoue
- PA1208** **Population Screening for COPD: A comparison of COPD Patient Screener and CAPTURE**  
Asl Görek Dilekta 1 (Bursa, Turkey), Asl Görek Dilekta 1, Nilufer Aylin Acet Ozturk, Ozge Aydin Guclu, Ezgi Demirdogen Cetinoglu, Funda Coskun, Esra Uzaslan, Mehmet Karadag
- PA1209** **COPD incidence in subjects with risk factors, chronic respiratory symptoms and normal spirometry: The PLATINO study**  
Efrain Sanchez Angarita (Caracas, Distrito Capital, Venezuela), Maria Montes de Oca, Ignacio Zabert, Fernando Wehrmeister, Ana Menezes
- PA1210** **COPD severity using GOLD 2017 in real life: The French Palomb Cohort**  
Chantal Raheison-Semjen (Pessac, France), El-Hassane Ouaalaya, Laurent Falque, Marielle Sabatini, Jean-Michel Dupis, Alain Bernady, Laurent Nguyen, Cecilia Nocent-Eijnaini, Frederic Le Guillou, Christophe Roy, Elodie Blanchard, Jean Moinard, Julien Casteigt, Emilie Berteaud, Mathieu Molimard, François Pellet, Annaig Ozier
- PA1211** **Risk factors for lung cancer in COPD**  
Gunnar Husebø (Fana, Norway), Per Sigvald Bakke, Jon Hardie, Rune Grønseth, Tomas Mikal Lind Eagan
- PA1212** **The prevalence of Chronic Obstructive Pulmonary Disease (COPD) in Sri Lanka: outcome of the BOLD study**  
Kirthi Dias Gunasekera (Colombo, Sri Lanka), Lakmali Amarasiri, Wathsala Gunasinghe, Aflah Sadikeen, Amitha Fernando, Dushantha Madegedara, Rajitha Wickramasinghe, Kirthi Gunasekera
- PA1213** **Elevated blood eosinophils on admission for a severe exacerbation of COPD is not a predictor for survival**  
Emanuel Citgez (Wierden, Netherlands), Job van der Palen, Paul van der Valk, Marjolein Brusse-Keizer
- PA1214** **The prevalence and clinical characteristics of asthma-COPD overlap syndrome (ACOS) in patients with COPD**  
Ivan Cekerevac (Kragujevac, Republic of Serbia), Ljiljana Novkovic, Zorica Lazic, Marina Petrovic, Vojislav Cupurdija, Bojan Djokic, Ivona Novkovic

TP-31 (Hall 4)

Session 132

12:50 - 14:40

**Thematic Poster: Case reports and series**

Tag(s) : Smoking prevention and cessation (HLFL)

Chairs : Piero Maestrelli (Padova, PD, Italy), Mona Lärstad (Gothenburg, Sweden), Ozlem Goksel (Izmir, Bornova, Turkey)

- PA1215** **Late Breaking Abstract - Implementation of universal valid methodology in the diagnosis of occupational asthma (Ege University Translational Pulmonology Research Group [EgeTPAG])**  
Ozlem Goksel (Izmir, Bornova, Turkey), Zehra Nur Toreyin, Canan Demir, Nejdiye Mazican, Emir Ozcaliskan, Halil Selman Pekiyi, Levent Pelit, Fusun Pelit, Ulku Karabay Yavasoglu, Sinan Akgol, Meral Turk, Outi Kuuliala, Irmeli Lindstrom, Hille Suojalehto, Tuncay Goksel

- PA1216 Late Breaking Abstract - Farmer's Lung Disease in a cohort of British agricultural workers.**  
Christopher Barber (Sheffield, United Kingdom), David Fishwick, Anne-Helen Harding
- 
- PA1217 Cases series on nontuberculous mycobacterial (NTM) lung disease and silicosis in Brazil**  
Diana Arrais de Souza Rangel (SAO PAULO/SP, Brazil), Marcos Vinicius Fernandes Garcia, Rafael Futoshi Mizutani, Roberta Karla Barbosa Sales, Ubiratan de Paula Santos, Mário Terra-Filho
- 
- PA1218 Silicosis with acute renal injury and glomerulonephritis: a case report**  
Fernanda Coccolin (SAO JOSE DOS CAMPOS/SP, Brazil), Fernando Soares, Rafael Mizutani, Cristiane Dias, Marcos Garcia, Mario Terra-Filho, Ubiratan Santos, Rafaela Pinheiro
- 
- PA1219 Occupational Asthma due to Food Allergy in a Madagascan Cook**  
Cordula Bittner (HAMBURG, Germany), Alexandra Marita Preisser, Volker Harth
- 
- PA1220 Kerosene aspiration pneumonitis: A potential differential diagnosis of pleuritic chest pain in rural set up.>**  
Venkatesh Gopalrao Deshpande (AURANGABAD (MAHARASHTRA), India)
- 
- PA1221 Hypersensitivity pneumonitis in a fish-processing worker – use of specific inhalation challenge as a diagnostic tool**  
Cecilie Svanes (Bergen, Norway), Jorunn Kirkeleit, Øistein Svanes, Randi J. Bertelsen, Tor B. Aasen
- 
- PA1222 Influence of the etiological factor on character of respiratory disorders in EAA**  
Galina P. Orlova (St Petersburg, Russian Federation), Marina J Kameneva
- 
- PA1223 Harvesting burnt sugarcane is associated with rhinitis symptoms**  
Marceli Rocha Leite (Presidente Prudente/Sp, Brazil), Dirce Zanetta, Dionei Ramos, Iara Trevisan, Emmanuel Burdmann, Ubiratan Santos
- 
- PA1225 Greenhouse workers' occupational asthma and rhinitis caused by parasitoids**  
Irmeli Lindström (Helsinki, Finland), Katri Suuronen, Hille Suojalehto
- 
- PA1226 Allergic bronchopulmonary aspergillosis as an occupational disease - special risk in waste management**  
Alexandra Marita Preisser (Hamburg, Germany), Volker Harth
- 
- PA1227 The clinical survey of lettuce-associated respiratory symptoms.**  
Reina Sekiya (Kobe, Japan), Tatsuya Nagano, Haruko Shinke, Kyosuke Nakata, Masatsugu Yamamoto, Motoko Tachihara, Hiroshi Kamiryō, Kazuyuki Kobayashi, Yoshihiro Nishimura
- 
- PA1228 Prevalence of allergic rhinitis symptoms among Tunisian textile industry workers**  
Aissa Sana (Sousse, Tunisia), Maher Maoua, houda Rouis, Imen Kacem, Sana Guedri, Wided Boughattas, Aicha Brahem, Houda Kalboussi, Olfa El Maalel, Souheil Chatti, Néjib Mrizak
- 
- PA1229 Infant Lung Function and Exposure to Oxides of Nitrogen in a South African birth cohort**  
Nithiseelan Rajen Naidoo (DURBAN, South Africa), Prakash Jeena, Sheena Muttoo, Kareshma Ramcharan, Visva Naidoo
- 
- PA1230 Prevalence of occupational exposure to lung carcinogens in a consecutive case-series in a Milan University Hospital**  
Lorenzo Bordini (Milano, Italy), Valeria Paticchia, Ilaria Zucca, Monica Bogni, Claudia Bareggi, Davide Tosi, Dario Consonni, Matteo Bonzini, Luciano Riboldi
- 
- PA1231 Short-term prognosis of sensitizer-induced occupational asthma**  
Hille Suojalehto (Helsinki, Finland), Pirjo HöLttä, Irmeli Lindström
- 
- PA1232 Retrospective clinico-morphological and dosymetry characterisation of lung cancer patients - clean-up workers of Chernobyl NPP accident in remote postaccidental period**  
Stanislav Ustinov (Kiev, Ukraine), Viktor Sushko, Sergiy Klymenko, Olena Kolosynska, Jana Berestjana
- 
- PA1233 Radiation induced Bronchopulmonary System Effects in the Cleanup Workers of the Chornobyl NPP Accident (1986–2016)**  
Viktor Sushko (Kyiv, Ukraine), Ölena Kolosynska, Olena Apostolova
- 
- PA1234 Pulmonary function changes after chemotherapy and radiotherapy for Lymphoma.**  
Lyudmila I. Shvayko (Kyiv, Ukraine), Kostiantyn Bazyka, Irina Kryachok

TP-32 (Hall 4)

Session 133

12:50 - 14:40

**Thematic Poster: Smoking, apnoea, infection, allergens and other factors****Tag(s)** : Smoking prevention and cessation (HLFL)**Chairs** : Jennifer Louise Hoyle (West Yorkshire, United Kingdom), Thibaud Soumagne (BESANCON, France), Denis Vinnikov (Bishkek, Kyrgyzstan), Mathieu Cheriaux (Clermont Ferrand, France)

- PA1235** **The frequency of chronic obstructive pulmonary disease in health-care workers who smoke**  
Aleksandar Bokan (Sremska Kamenica, Republic of Serbia), Ivan Kopitovic, Ilija Andrijevic, Miroslav Ilic, Dragana Milicic, Marija Vukoja, Sanja Marinkovic
- PA1236** **Electronic cigarette in smoking cessation.**  
Mateusz Jankowski (Katowice, Poland), Grzegorz Brodek, Jan Zejda, Agnieszka Jarosińska, Agnieszka Idzik, Paulina Majek
- PA1237** **Respiratory Symptoms and Lung Function Depend on Smoking Status and Environmental Conditions**  
Rainer G. Wiewrodt (Münster, Germany), Bianca Hoepfner, Lars Henning Schmidt, Karlheinz Blackert, Felix FJ Herth
- PA1238** **Driving commercial vehicle as a risk factor for obstructive sleep apnea**  
Denis Vinnikov (Bishkek, Kyrgyzstan), Daniel Schwartz, Paul Blanc
- PA1239** **Obstructive sleep apnea syndrome and work ability**  
Mariarita Stendardo (Ferrara, Italy), Michela Schito, Valeria Casillo, Elisa Maietti, Francesco Stomeo, Licia Ballerin, Piera Boschetto
- PA1240** **Geographic distribution of nontuberculosis mycobacteria patients associated with residential places and environmental factors in Iran**  
Parvaneh Baghaei Shiva (Tehran, Islamic Republic of Iran), Hanieh Baghaei Shiva, Payam Tabarsi
- PA1241** **Risk of tuberculosis for children living in areas most affected by the Chernobyl disaster**  
Larissa Gorbach (Minsk, Belarus)
- PA1242** **Risk assessment of occupational tuberculosis and laboratory practice among laboratory health workers in two selected states in Nigeria**  
Adekunle Adeoti (Ado-Ekiti, Nigeria), Olufemi Desalu, Joseph Fadare
- PA1243** **Influence of influenza vaccination on workers' health**  
Sergey Semizhon (Minsk, Belarus), Volha Kardash, Nikolai Kovshel
- PA1244** **Differences in lung function between petroleum refinery workers and employees engaged in platinum catalysts manufacturing**  
Dragan Mijakoski (Skopje, FYROM (Macedonia)), Jovanka Karadzinska-Bislimovska, Sasho Stoleski, Jordan Minov, Aneta Atanasovska
- PA1245** **Identified exposures and its consequences on employment in patients with occupational asthma**  
Feki Walid (SFAX, Tunisia), Kammoun Nesrine, Bahloul Najla, Hajjaji Mounira, BEN SALAH Béchir, Kallel nessrine, Kotti Amina, Kammoun Samy, Jmal Hammami Kaouthar
- PA1246** **Identification and characterization of maize-specific pollen allergens**  
Cordula Bittner (HAMBURG, Germany), Marcial Velasco Garrido, Volker Harth, Ulrike Peters, Reinhold Brettschneider
- PA1247** **Prognostic model for accelerated decline in lung function due to occupational sensitizers: SAPALDIA study.**  
Jacques Pralong (Genève, Switzerland), David Miedinger, Eva Suarhana, Dirk Keidel, Anna Beckmeyer-Borowko, Christian Schindler, Nicole Probst-Hensch, Amar Mehta
- PA1248** **Outdoor mold spore levels and drug consumption for drug treated seasonal allergic rhino-conjunctivitis (TSAR): a 6-year study in France**  
Mathieu Cheriaux (Clermont Ferrand, France), Denis Caillaud
- PA1249** **Effects of human activities and air purification on concentrations of airborne microorganisms and particles in a bronchoscopy room.**  
Jian Wu (Guangzhou, Guangdong province, China), Hong An, Qiong Li, Pingping Chen, Dongfeng Li, Xinglin Gao
- PA1250** **Worldwide correlations of deaths from chronic respiratory diseases and carbon-dioxide emissions per capita**  
Konstantinos Votis (Patra, Greece), Dimitrios Kikidis, Dimitrios Tzovaras
- PA1251** **A life history calendar to map lung health risk exposures: pilot study**  
Lok Sze Katrina Li (Adelaide, SA, Australia), Catherine Paquet, Kylie Johnston, Peter Frith, Marie Williams

TP-33 (Hall 4)

Session 134

12:50 - 14:40

**Thematic Poster: Passive smoking and epidemiology**

Tag(s) : Smoking prevention and cessation (HLfL)

Chairs : Constantine Vardavas (Athens, Greece), Sofia Belo Ravara (Covilhã, Portugal), Elif Dagli (Istanbul, Turkey), Athanasia Pataka (Thessaloniki, Greece)

- PA1252 Trends in exposure to secondhand smoke in the European Union, 2009-2014**  
Filippos T. Filippidis (London, United Kingdom), Constantine I. Vardavas
- 
- PA1253 Online survey on addressing passive smoke exposure in children: the pediatrician counseling practice**  
Stefania La Grutta (Palermo, PA, Italy), Luigi Morcaldi, Giampietro Chiamenti, Salvatore Fasola, Giovanna Cilluffo, Renato Cutrera
- 
- PA1254 Smoking behaviour among medical students and tobacco marketing at college parties: A cross-sectional study in Portugal.**  
Sofia Belo Ravara (Covilhã, Portugal), Rosa Soares, Pedro Aguiar
- 
- PA1255 Mandatory plain cigarette packaging has not increased illicit tobacco trade in Sydney, Australia**  
Matthew Peters (Sydney, NSW, Australia), Miriam Saffron, Madeleine Peters
- 
- PA1256 Smoking in Cars with Children, Antalya-Turkey**  
Hilal Ozcebe (Ankara, Turkey), Hilal Özcebe, Duygu Akçay
- 
- PA1257 Where and how to educate the COPD patient? – learnings of a multicentre RCT**  
Mate Olah (Vac, Hungary), Melinda Nyiro, Katalin Kontz, Agnes Meszaros
- 
- PA1258 Smoking and dyspnea severity in patients with chronic obstructive pulmonary disease**  
Stefan A. Mihaicuta (Timisoara/Timis, Romania), Roxana Pleava, Stefan Frenzt, Alexandru Ciotlos, Iosif Marincu, Lucretia Udrescu, Mihai Udrescu
- 
- PA1259 The effect of smoking on the quality of life in physically disabled athletes**  
Begum Unlu (ISTANBUL, Turkey), Aysel Yıldız, Ufuk Yurdalan
- 
- PA1260 Acute respiratory and vascular responses to environmental tobacco smoke**  
Hanns Moshhammer (Wien, Austria), Dina Boroda
- 
- PA1261 Correlations of endobronchial nitric oxide metabolites levels and the cardiopulmonary exercise testing parameters in young male smokers**  
Svetlana K. Soodaeva (Moscow, Russian Federation), Larisa Postnikova, Nailja Kubysheva, Timur Li, Igor Klimanov, Liliia Murakaeva, Lidiya Nikitina
- 
- PA1262 What is the doctors' attitude towards tobacco?**  
Hanene Smadhi (ARIANA, Tunisia), Ikbel Khalfallah, Mohamed Lamine Megdiche
- 
- PA1263 Smoking habit ressignification: a new view upon the addiction**  
Maria Da Penha Uchoa Sales (FORTALEZA/CE, Brazil), Silvana Souza Ferreira P Cunha, Cristina Cesar Praça Brasil
- 
- PA1264 Children at risk for passive smoking at homes, Antalya-Turkey**  
Hilal Ozcebe (Ankara, Turkey), Hilal Özcebe, Duygu Akçay
- 
- PA1265 The smoking status and knowledge of pregnant smokers in Greece**  
Athina Diamanti (Pefki, Greece), Vasilios Raftopoulos, Katerina Lykeridou, Sotiria Schoretsaniti, Christina Gratziou, Paraskevi Katsaounou
- 
- PA1266 Brief Intervention for Smoking Cessation for Women During the Gestational Period and After Delivery**  
Andre Bertani (BOTUCATU/SP, Brazil), André Bertani, Laura Caram, Renata Ferrari, Suzana Tanni, Irma Godoy
- 
- PA1267 Smoking during pregnancy**  
Milena Adina Man (Cluj-Napoca/ Cluj, Romania), Cristian Oancea, Andrei Lesan, Bianca Domokos, Nicoleta Motoc, Monica Pop
- 
- PA1268 Smoking prevalence in UK hospital admissions from a national observational study**  
Zaheer Mangera (Hertfordshire, United Kingdom), Anna Lewis, John Hutchinson, Laura Searle, Sanjay Agrawal
- 
- PA1269 Smoking habits in hospitalized patients in a pulmonology department—what changed in six years?**  
Ines Lourenco Farias Carrilho De Oliveira (Almada, Portugal), Rafaela Campanha, Marta Fradinho, Cristina Matos, Fernando Nogueira

TP-34 (Hall 4)

Session 135

12:50 - 14:40

**Thematic Poster: Smoking cessation**

Tag(s) : Smoking prevention and cessation (HLFL)

Chairs : Bertrand Dautzenberg (Paris, France), Gennaro D'Amato (Napoli, Na, Italy), Philip Tønnesen (Glostrup, Denmark)

PA1270	<b>Factors affecting the success of smoking cessation treatment in a smoking cessation clinic</b> Derya Kocakaya ( STANBUL, Turkey), ehnaz Olgun Y ld zeli, Hatice enol, Sezer Aslan, Ahmet Mahmut Ç rako lu, Merve Nur Çak r, Hatice Telci, Mehmet Zahid Çetinkaya, Ay e Nilüfer Özayd n, Berrin Ba c Ceyhan
PA1271	<b>Smoking cessation in the hospital setting: a systematic review and meta-analysis</b> Zoe Kopsaftis (Woodville South, Australia), Joseph van Agteren, Kristin Carson, Tim O'Loughlin, Brian Smith
PA1272	<b>Smoking Cessation in Europe: Trends in methods used in the European Union between 2012 and 2014</b> Constantine Vardavas (Athens, Greece), Filippos Filippidis, Anthony Lavery, Ute Mons, Carlos Jimenez-Ruiz
PA1273	<b>Evaluation of a central hospital smoking cessation program: an 8-year retrospective study</b> Joana Sofia Vicente De Carvalho (Bobadela LRS, Portugal), Inês Oliveira, Ana Alves Santos, Inês Ribeiro, Rafaela Campanha, Marta Fradinho, Cátia Guimarães, Cristina Matos, Fernando Nogueira
PA1274	<b>Outcomes of smoking cessation interventions in older adults: Experience of Hopa State Hospital</b> Dilek Karado an (Artvin, Turkey), Özgür Önal, Deniz Say ahin, Sonnur Yaz c , Yalç n Kanbay
PA1275	<b>Smoking cessation of respiratory patients</b> Liliya Belenko Gentet (Drucourt, France), Michel Vicaire"
PA1276	<b>Differences between smokers who did not start smoking cessation treatment and those who did it.</b> Raul Godoy Mayoral (Albacete, Spain), Javier Cruz Ruiz, Marta Genovés Crespo, Ana Isabel Tornero Molina, Abel Jesús Martínez García, Francisco J Agustin Martínez, José Alfonso García Guerra, Wanda Almonte, Nuria Gutiérrez González, Francisco Javier Callejas González
PA1277	<b>Effectiveness of a one-day training seminar on smoking cessation on health care professionals knowledge</b> Constantine Vardavas (Athens, Greece), Francisco Lozano, Cornel Radu-Loghin, Sissy Peleki, Dominick Nguyen, Andrea Glahn, Arusyak Harutyunyan, George Bakhturidze, Antigona Trofor, Andrei Demin, Otto Stoyka, Panagiotis Behrakis
PA1278	<b>Smoking status, knowledge and attitudes toward smoking cessation among general hospital worker</b> Yeji Han (Seoul, Republic of Korea), Eun Mi Chun, ,
PA1279	<b>What factors influence non-adherence to smoking cessation support programs?</b> Nagihan Durmu Koçak (Istanbul, Turkey), Ulku Aka Akturk
PA1280	<b>Effectiveness of a personalized smoking cessation counseling program in patients with oral cancer: preliminary results</b> Ionela-Alina Grosu (Iasi, Romania), Eduard Grigoriu, Letitia Trofor, Ioana Buculei, Cristina Vicol, Antigona Carmen Trofor
PA1281	<b>Perception of smoking cessation resources and practices- a cross-sectional study in Portugal.</b> Sofia Belo Ravara (Covilhã, Portugal), Fatima Bragança, Pedro Aguiar
PA1282	<b>An analysis determining the role of the physicians on cessation of cigarette smoking on the basis of medical specialisation</b> Seyhan Dülger (BURSA, Turkey), Seyhan Dülger, Canan Do an, Özlem Sengoren Dikis, Eylem Y ld r m, Utku Tapan, pek Ozmen, Birsen Sahin Satilmis, Selim Intepe, Birsen Ocaklı, Cevriye Yukselkacan, Ersin Budak, Tekin Yildiz
PA1283	<b>Factors affecting quitting success in patients attending a smoking cessation program</b> Joana Sofia Vicente De Carvalho (Bobadela LRS, Portugal), Inês Oliveira, Ana Alves Santos, Inês Ribeiro, Rafaela Campanha, Cátia Guimarães, Marta Fradinho, Cristina Matos, Fernando Nogueira
PA1284	<b>Smoking cessation program in hospitalized patients: evaluation and quit success results of a new program in Uruguay</b> Verónica Torres Esteche (Montevideo, Uruguay), Mariana Diaz, Raquel Monteghirfo, Lucia Silveira, Gonzalo Pazos, Daiana Garcia
PA1285	<b>Abandonment of a smoking cessation consult: a 9-year experience</b> Ana Santos (Porto, Portugal), Joana Carvalho, Rafaela Campanha, Inês Ribeiro, Cátia Guimarães, Marta Fradinho, Cristina Matos, Fernando Nogueira
PA1286	<b>How much information do the smokers have about smoking related diseases and ways of smoking cessation? Results of survey done on World COPD Day, 2016</b> Esra Uzaslan (Bursa, Turkey), Asli Gorek Dilektasli, Ozge Aydin Guclu, Nazan Nalci Savas, Ezgi Demirdogen Cetinoglu, Mehmet Karadag
PA1287	<b>Overweight after tobacco cessation.</b> Jose Maria Gonzalez Ruiz (Salamanca, Spain), Miguel Barrueco Ferrero, Javier Pérez-Rodríguez, Enrique Barrueco-Otero, Marco López-Zubizarreta, Maria Bartol-Sánchez, Miguel Angel Hernández-Mezquita, Pablo Alvarez Vega

**PA1288** **Temporal trends in smoking cessation in Europe from 1980 to 2010.**  
Giancarlo Pesce (Verona, Vr, Italy), Alessandro Marcon, Lucia Calciano, Michael Abramson, Roberto Bono, Jean Bousquet, Shyamali Dharmage, Alessandro Fois, Christer Janson, Deborah Jarvis, Rain Jögi, Dennis Nowak, Vivi Schlünssen, Isabel Urrutia Landa, Simona Villani, Torsten Zuberbier, Cosetta Minelli, Simone Accordini

**PA1289** **QUALITY OF LIFE IN SMOKERS FOLLOWING SMOKING CESSATION TREATMENT**  
Despoina Chatzilia (Athens, Greece), Stamatina Stratouli, Athanasios Stamatellopoulos, Ioannis Alamanos, Petros Mihos, George Fildisis

TP-35 (Hall 4)

Session 136

12:50 - 14:40

**Thematic Poster: What is new in respiratory and sleep physiology?**

**Chairs :** Padmaja Subbarao (Toronto, ON, Canada), Shannon Simpson (Perth, WA, Australia), Diane Gray (CAPE TOWN, South Africa)

**PA1290** **Lung function in survivors of congenital diaphragmatic hernia at school age**  
Malena Aldeco (Ljubljana, Slovenia), Marina Praprotnik, Maja Pavnik, Matevž Srpič, Uroš Krivec

**PA1291** **The effect of individualized exercise program on lung function and physical functioning among CF adolescents**  
Fotios Kirvassilis (Oraiokastro, Greece), Elpida Hatziaorou, Stavros Giannakoulakos, Asterios Kampouras, Evaggelia Kouidi, Asterios Deligiannis, John Tsanakas

**PA1292** **Respiratory impedance in children with severe asthma**  
Enrico Lombardi (Firenze, Italy), Grazia Fenu, Attilio Turchetta, Antonio Di Marco, Stefania La Grutta, Giovanna Cilluffo, Paola Alga, Emanuela di Palmo, Valeria Caldarelli, Silvia Montella, Franca Rusconi, Renato Cutrera, Salvo Fasola

**PA1293** **Oscillometry reference values in preschool children**  
Enrico Lombardi (Firenze, Italy), Marta Bacciarini, Guido Giannini, Claudia Calogero, Alessandro Gobbi, Raffaele Dellaca'

**PA1294** **Validation of the Global Lungs Initiative (GLI)-2012 spirometry reference equations in Argentinian children**  
Luciano Enrique Busi (Trelew, Chubut, Argentina), Lisandro Torre, Sebastián Restuccia, Peter David Sly

**PA1295** **Outcome of multiple breath washout (MBW) in healthy children using two different gases (N<sub>2</sub> and SF<sub>6</sub>) with the same equipment**  
Anders Lindblad (Göteborg, Sweden), Monica Rosberg, Paul Robinson, Per Gustafsson

**PA1296** **Oxygen-induced hypoventilation during nitrogen multiple breath washout technique in young infants from the SEPAGES cohort**  
Isabelle Pin (Grenoble, France), Valentin Paran, Joane Quentin, Sarah Lyon-Caen, Johanna Lepeulle, Yoann Gloria, Assia Benlakhryfa, Sam Bayat, Rémy Slama, Valérie Siroux, Asma Fares

**PA1297** **Multiple breath washout outcomes in infants are setup-dependent**  
Pinelopi Anagnostopoulou (Bern, Switzerland), Anne-Christianne Kentgens, Marisa Guidi, Insa Korten, Florian Singer, Philipp Latzin

**PA1298** **Are home sleep studies useful in diagnosing obstructive sleep apnea in children with Down syndrome?**  
Nilay Bas Ikizoglu (Istanbul, Turkey), Esen Kiyani, Beldan Polat, Pinar Ay, Bulent Karadag, Refika Ersu

**PA1300** **Obstructive Sleep Apnea (OSAS) in a clinical cohort of children. Atlantis Study**  
Maria Luz Alonso Alvarez (Burgos, Spain), Jose Aurelio Cordero Guevara, Ana Navazo Eguia, Estrella Ordax Carbajo, Carmen Muñoz Pelaez, Blanca Barriuso Esteban, María Jesús Coma Del Corral, Joaquín Terán Santos

**PA1301** **Can the analysis of in-built software of CPAP replace polygraphy in children?**  
Sonia Khirani (Paris, France), Vincent Delord, Jorge Olmo Arroyo, Livio De Sanctis, Annick Frapin, Alessandro Amaddeo, Brigitte Fauroux

**PA1302** **Inspiratory muscle recruitment during dynamic inspiration in healthy children**  
Sandra Chuang (Sydney, NSW, Australia), Billy Luu, Jane Butler, Simon Gandevia, Adam Jaffe

**PA1303** **Determining nocturnal respiratory rate by acoustic means in children**  
Volker Gross (Giessen, Germany), Patrick Fischer, Marcel Geis, Lisa Gross, Christof Urban, Andreas Weissflog, Keywan Sohrabi, Simon Hofmann

**PA1304** **Pulse oximetry and cerebral oxygenation in children with severe sleep apnea-hypopnea syndrome**  
Alessandro Amaddeo (Paris, France), Jorge Olmo, Sonia Khirani, Lucie Griffon, Philippe Pouard, Brigitte Fauroux

**PA1305** **Predictors of sleep duration among school children – a pilot study**  
Mohd Izzuan Ishak (Kuala Lumpur, Malaysia), Hasniah Abdul Latif, Asiah Kassim

**PA1306** **Is one night of screening oximetry sufficient for OSA?**  
Niamh Galway (Belfast, United Kingdom), Barbara Maxwell, Dara O'Donoghue, Michael Shields



**PA1307 What is the minimum duration of nocturnal oximetry to screen for obstructive sleep apnoea in children?**  
Niamh Galway (Belfast, United Kingdom), Barbara Maxwell, Michael Shields, Dara O'Donoghue

**PA1308 Automated detection of childhood sleep apnea using discrete wavelet transform of nocturnal oximetry and anthropometric variables**  
Andrea Crespo Sedano (Valladolid, Spain), Fernando Vaquerizo-Villar, Daniel Álvarez, Gonzalo César Gutiérrez-Tobal, Verónica Barroso-García, Ana Cerezo, Graciela López, Leila Kheirandish-Gozal, David Gozal, Roberto Hornero, Félix Del Campo

**TP-36 (Hall 4) Session 137 12:50 - 14:40**

**Thematic Poster: Paediatric asthma: therapies and comorbidities**

**Chairs :** Erol Gaillard (Leicester, United Kingdom), Elin Kersten (Haren, Netherlands), Ozge Yilmaz (Manisa, Turkey)

**PA1310 Late Breaking Abstract - Exacerbation of asthma in childhood: seasonal pattern and risk factors.**  
Doxa Kotzia (London, United Kingdom), Graham Roberts, Katherine Pike

**PA1311 Respiratory rehabilitation in children with severe asthma. Preliminary results**  
Soledad Montes (santiago, Chile), Dina Contreras, Daniela Ulloa, Pamela Martinez, Hugo Cerda

**PA1312 Prednisolone for preschool children presenting with acute wheeze: A multicentre RCT.**  
Stuart Dalziel (Auckland, New Zealand), Owen Sinclair, Michael Shepherd, Jocelyn Neutze, Adrian Trenholme, Eunicia Tan, Alexandra Wallace, Christine Brabyn, Megan Bonisch, Naomi Grey, David McNamara, John Thompson, David Johnson, Innes Asher

**PA1313 Intermittent therapy with budesonide/formoterol in children with moderate asthma.**  
Natalia Kolosova (Moscow, Russian Federation), Svetlana Shatalina, Natalya Geppe, Anita Denisova, Veronika Denisova

**PA1314 Cost of sublingual bacterial vaccines in the treatment of asthma in children.**  
Anna Bodajko-Grochowska (Lublin, Poland), Andrzej Emeryk, Dawid Lahutta, Małgorzata Bartkowiak-Emeryk, Ewa Markut-Miotła, Magdalena Kowalska, Ewa Chojna, Zbigniew Raus

**PA1315 Phenotypes of young adults transitioning from paediatric to adult asthma services**  
Gareth Jones (Ellesmere Port, United Kingdom), Paul Griffiths, Maeve Middleton, Andrew Ross, Helen James, Hassan Burhan

**PA1316 "Mediterranean Diet association with inflammatory process in children with asthma"**  
MARIA-IOANNA THANOPOULOU (ATHENS, Greece), KONSTANTINOS DOUROS, BARBARA BOUTOPOULOU, ANNA PAPAPOULOU, ACHILEAS ATILAKOS, ANASTASIOS PAPADIMITRIOU, KOSTAS PRIFTIS

**PA1317 Vitamin D and cathelicidin serum levels in children with infection induced asthma**  
Amany M. Abd Al-Aziz (Cairo, Egypt), Hanan M. Hamed, Ayat A. Motawie, Amal Abou El-Ezz, Mona A.M. Awad, Rasha N. Yousef

**PA1318 Wheezing and Lung infection in school children and response to antibiotic treatment**  
Ivana Vidanovic (Niš, Republic of Serbia), Svetlana Kamenov, Milan Tosic

**PA1319 The impact of targeted therapy in children with uncontrolled allergic persistent severe asthma and nasal polyps**  
Elena Vishneva (Moscow, Russian Federation), Leyla Namazova-Baranova, Elena Dobrynina, Anna Alekseeva, Julia Levina, Kamilla Efendieva, Vera Kalugina, Liliia Selimzianova

**PA1320 Comparison physical activity barriers in asthmatic and non-asthmatic children**  
Andrey Sousa (SAO PAULO/SP, Brazil), Anna Lúcia Cabral, Celso Carvalho, Milton Martins

**PA1321 Asthma and overweight - are they connected? A prospective study from a Swedish birth cohort**  
Anna Landen (Göteborg, Sweden), Emma Goksör, Bernt Alm, Göran Wennergren

**PA1322 Female sex is associated with increased risk of early readmission with asthma in Staffordshire children**  
Will Carroll (Staffordshire, United Kingdom), Tanuka Palit, Sadie Clayton, Francis Gilchrist

**PA1323 The growth of children and adolescents with bronchial asthma**  
Lidiya Nikitina (Khanty-Mansi Autonomous Okrug, Russian Federation), Tatyana Eliseeva, Olga Khaletskaya, Elena Tush, Tatyana Potemina, Ivan Balabolkin, Vilya Bulgakova, Igor Klimanov

**TP-37 (Hall 4) Session 138 12:50 - 14:40**

**Thematic Poster: Diagnostic tools in paediatric asthma**

**Chairs :** Carmelo Gabriele (Ancona, Italy), Quirijn Jobsis (Maastricht, Netherlands), Evangelia Mantzouranis (Heraklion, Crete, Greece)

- PA1324** **An analysis of clinical features of hospitalized asthmatic children over a 5-year period: a single center experience**  
Ting Chen (, China), Lin ZHONG, Li Qiu, Hanmin LIU, Lina CHEN
- 
- PA1325** **Within-occasion repeatability of Impulse oscillometry in preschool wheezing children.**  
Paula Cristina Carvalho Vidal Reis Leiria Pinto (LISBOA, Portugal), Isabel Peralta, Pedro Martins, Nuno Neuparth
- 
- PA1326** **Asthma Control Test (ACT) or Asthma Control Questionnaire (ACQ)? - validity and responsiveness in children.**  
Anna Bodajko-Grochowska (Lublin, Poland), Andrzej Emeryk, Ewa Markut-Miot a, Anna Bednarek, Ma gorzata Bartkowiak-Emeryk, Magdalena Kowalska, Ewa Chojna
- 
- PA1327** **Minimum Skin Prick Test panel in children with asthma in a French tropical island.**  
Bashir Omarjee (Saint-Denis/La Réunion, Reunion), Serge Kah, Bernard Gregoire Krikorian
- 
- PA1328** **Feasibility and acceptability of spirometry and FeNO testing in children treated for asthma in primary care**  
Lesley Danvers (Leicestershire, United Kingdom), David Lo, Nichola Harcombe, Damian Roland , Matthew Richardson, Yaling Yang, Andrew Wilson, Erol Gaillard, Caroline Beardsmore
- 
- PA1329** **Monitoring respiratory rate from pulse oximetry during treatment of acute severe wheeze in young children**  
Paul Seddon (West Sussex, United Kingdom), Catherine Olden, Sophie Banks, Akshat Kapur, David Wertheim
- 
- PA1330** **Are there sub groups of children with asthma where FeNO guided treatment is associated with reduced risk for asthma attacks?**  
Stephen Turner (Aberdeen, United Kingdom), Shona Fielding, Marielle Pijnenburg, Johan de Jongste, Katy Pike, Graham Roberts, Helen Petsky, Anne Chang, Maria Fritsch, Thomas Frischer, Stanley Szeffler, Peter Gergen, Francoise Vermeulen, Robin Vael
- 
- PA1331** **Characterization of severe asthma in children over 6 years**  
Elida Dueñas Mesa (Bogota, Colombia), Eliana Correa, Miguel Suarez, Catalina Vasquez, Oscar Baron, Jenny Jurado, Maria del Socorro Medina, Carlos A Torres-Duque, Luis Fernando Giraldo-Cadavid
- 
- PA1332** **Validating the Arabic version of childhood asthma control test among Emirati children aged 4-11 years**  
Majid Al Saleh Al Teneiji (Dubai, United Arab Emirates), Afaf AlBlooshi, Alia Al Kalbani , Iram Durdana
- 
- PA1333** **Evaluation of Education Amongst The Parents of Childern Having Poorly Controlled Asthma In India**  
Dolly Madan (VARANASI (UTTAR PRADESH), India), Avinash Jain, sudhir agarwal, J.k samaria, ashish singh
- 
- PA1334** **Five distinctive asthma clusters in Bulgarian children**  
Dimitrinka Miteva (SOFIA, Bulgaria), Snezhina Lazova, Penka Perenovska, Stamatios Priftis, Guergana Petrova, Emilia Nasseva
- 
- PA1335** **Blood levels of type-2 innate lymphoid cells in preschool children with acute wheeze**  
Shah Mohammed Alungir Hussain (Leicester, United Kingdom), Aayushi Sen, Bethany C Barraclough, Jamie S McCarthy, David J Cousins, Erol A Gaillard
- 
- PA1336** **Type two innate lymphoid cells (ILC2s) in the blood of children with acute asthma**  
Bethany Barraclough (Poole, United Kingdom), Aayushi Sen, Shah Hussain, Erol Gaillard, David Cousins, Jamie McCarthy
- 
- PA1337** **Is mold sensitization associated with impaired pulmonary function in children with asthma?**  
Young Yoo (Seoul, Republic of Korea), So Hyun Ahn, Soohyun Ri, Yoon sun Yoon, Hyung Jin Kim, SungChul Seo, Wonsuck Yoon
- 
- PA1338** **Late Breaking Abstract - Peak expiratory flow (PEF) time series can differentiate asthma severity in children**  
Anja Jochmann (Basel, Switzerland), Binbin Xu, Luca Artusio, Edgar Delgado-Eckert, Louise Fleiming, Andrew Bush, Urs Frey
- 
- PA1339** **The study of respiratory function in children with asthma receiving basic therapy**  
Olga Semernik (Rostov-on-Don, Rostov Oblast, Russian Federation), Alexander Lebedenko

TP-38 (Hall 4)

Session 139

12:50 - 14:40

**Thematic Poster: Cystic fibrosis: clinical issues**

**Chairs :** Harm Tiddens (Rotterdam, Netherlands), Andy Turnbull (London, United Kingdom), Marcus Mall (Heidelberg, Germany),  
Chair to be confirmed

- PA1340** **Late Breaking Abstract - Assessment of a ciliary transport protein in airway cells reveals novel pattern in cystic fibrosis**  
Elizabeth Stevens (Palo Alto, United States of America), Eszter Vldar, Mikkel Alanin, Wallace Marshall, June Marthin, Kim Nielsen, Soren Christensen, Christian Buchwald, Carlos Milla

- PA1341 Comparative effect of backpack carrying on cystic fibrosis and healthy children: a randomized crossover controlled trial**  
Yann Combret (Rouen, France), Clément Médrinal, Guillaume Prieur, Aurora Robledo Quesada, Pascal Le Roux, Grégory Reychler
- PA1342 Pseudo-Bartter's Syndrome incidence in patients with cystic fibrosis**  
Sevgi Pekcan (Ankara, Turkey), Büşra Soydan, Meltem Energin
- PA1343 Clinical features of pseudo-bartter syndrome in cystic fibrosis.**  
Mina Gharibzadeh Hizal (Ankara, Turkey), Kismet Çalkıç, Sanem Esref, Ahmet Birbilen, Gokcen dilsa Tugcu, Nagehan Emiraglio İlu, Ebru Yalcin, Deniz Dogru Ersoz, Ugur Ozcelik, Nural Kiper
- PA1344 Exploring the susceptibility of *P. aeruginosa* biofilms in human mucus towards tobramycin treatment**  
Laura Boge (Hannover, Germany), Xabier Murgia, Marius Hittinger, Lorenz Siebenbuerger, Carsten Boerger, Henrik Groß, Armin Braun, Katherina Sewald, Claus-Michael Lehr, Sabine Wronski
- PA1345 Rare cases of *Blastobotrys raffinifermentans* as cause of FEV1-decline in two CF patients.**  
Kathleen Jahn (Basel, Switzerland), Veronika Bättig, Helena Seth-Smith, Adrian Egli, Michael Tamm
- PA1346 New methods for detection of fungi in sinuses in patients with cystic fibrosis**  
Aleksandra Barac (Beograd, Republic of Serbia), Vesna Tomic Spiric, Predrag Minic
- PA1347 Non-ABPA *Aspergillus bronchitis* in cystic fibrosis**  
Andreas Jung (Zürich, Switzerland), Tina Schürmann, Carsten Schwarz, Helge Hebestreit, Olaf Eickmeier, Alexander Moeller
- PA1348 Inhaled hypertonic saline + hyaluronic acid (HSHA) and HS alone in patients with Cystic Fibrosis (CF): a 2 years retrospective analysis in Treviso's CF Unit.**  
Carla Federica Bortoluzzi (Casier, Italy), Stefano Silveri, Mirco Ros, Gloria Tridello, Emily Pintani, Francesca Lucca
- PA1349 Six-minute walk test vs cardiopulmonary exercise test in the assessment of exercise tolerance in adults with cystic fibrosis**  
Marcello Di Paolo (ROMA, RM, Italy), Daniela Savi, Serena Quattrucci, Luigi Graziano, Elisabetta Arcieri, Paolo Palange
- PA1350 Is there a correlation between cardiac dysfunction and exercise capacity among Children and Adolescents with Cystic Fibrosis?**  
Fotios Kirvassilis (Oraiokastro, Greece), Elpida Hatziagorou, Evaggelia Kouidi, Stavros Giannakoulakos, Maria Anifanti, Asterios Kampouras, Asterios Deligiannis, John Tsanakas
- PA1351 Feasibility of exhalomics SESI-MS studies with infants and young children for early detection of cystic fibrosis inflammation and infection**  
Astghik Baghdasaryan (Yerevan, Armenia), Tobias Bruderer, Jair Wyler, Malcolm Kohler, Renato Zenobi, Alexander Möller

TP-39 (Hall 4)

Session 140

12:50 - 14:40

**Thematic Poster: Late-breaking findings in asthma and COPD**

**Chairs :** Nicolino Ambrosino (Livorno, Italy), Michael Steiner (Leicester, United Kingdom), Guangfa Wang (Beijing, China), Pyng Lee (Singapore, Singapore)

- PA1352 Late Breaking Abstract - Metabolomics in Exhaled Breath Condensate (EBC) of asthmatic patients. Does severity and methodology make the difference?**  
Polyxeni Ntontsi (Athens, Greece), Varvara Tzoumanika, Stelios Loukides, Petros Bakakos, Evangelos Gkikas
- PA1353 Late Breaking Abstract - A Pilot study of a novel Endoscopic Lung Volume Reduction device**  
Guangfa Wang (Beijing, China), Yan Hu, Yuan Cheng, Hong Zhang
- PA1354 Late Breaking Abstract - Efficacy and safety of hydrogen-oxygen mixture in the emergency management of tracheal stenosis**  
Zi-Qing Zhou (GuangZhou, China), Yu Chen, Chang-Hao Zhong, Xiao-Bo Chen, Zhu-Quan Su, Shi-Yue Li
- PA1355 Late Breaking Abstract - Comparison of clinical characteristics between severe adult asthmatics in Brazil(ProAR) and Europe(U-BIOPRED).**  
Alvaro A. Cruz (SALVADOR/BA, Brazil), Aruna T. Bansal, Eduardo V. Ponte, Adelmir Souza-Machado, Paula C Almeida, Valmar Biao, John Riley, Karen Affleck, David Myles, Kian Fan Chung, Peter J. Sterk
- PA1356 Late Breaking Abstract - Patient Reported Outcomes (PRO) Correlate Better with Intra-Breath than with Whole -Breath FOT Parameters.**  
Guy Drapeau (Montréal, QC, Canada), Myriam Dandurand, Leslie Gold, Ronald Dandurand

PA1357	<b>Late Breaking Abstract - RHEOLOGY AS A TOOL TO ASSESS COPD DIAGNOSIS COMPARED TO ASTHMA DIAGNOSIS, AND TO EVALUATE THE EFFICIENCY OF TREATMENTS</b> Jeremy PATARIN (Saint Martin D'Herès, France), Etienne Ghiringhelli, Claire Cracowski, Boubou Camara, Sebastien Quétant, Cecile Bosc, Christophe Pison, Jean-Luc Cracowski
PA1358	<b>Late Breaking Abstract - Adherence to GOLD recommendations in Italian patients with COPD categorised as frequent and non-frequent exacerbators: The MISTRAL study</b> Riccardo Pela (Ancona, AN, Italy), Gino Scalone, Stefano Nava, Francesco Ventrella, Francesco Dadduzio, Marta Bartezaghi, Pasquale Alberto Porpiglia, Paolo Morini
PA1359	<b>Late Breaking Abstract - Validation of Hexoskin biometric technology to monitor ventilatory responses at rest and during exercise in COPD</b> Sara Abdallah (Montréal, QC, Canada), Courtney Wilkinson-Maitland, Marcus Waskiw-Ford, Imad Abdallah, Adriane Lui, Benjamin Smith, Jean Bourbeau, Dennis Jensen
PA1360	<b>Late Breaking Abstract - Role of Muscarinic M3 receptors in bronchial remodelling of severe asthma</b> Fabio L. M. Ricciardolo (Orbassano (To), Italy), Anna Folino, Vitina Carriero, Michael Pieper
PA1361	<b>Late Breaking Abstract - Measurement of Vital Capacity in Amyotrophic Lateral Sclerosis: Methodological Aspects</b> Giulia Pellegrino (Milano, Italy), Giuseppe Francesco Sferrazza Papa, Dinas Aleksonis, Fabiano Di Marco, Massimo Corbo, Riccardo Pellegrino, Stefano Centanni, Franco Laghi, Martin J Tobin
PA1362	<b>Late Breaking Abstract - Bronchoscopic Thermal Vapor Ablation (BTVA) Outcomes at 12 months in Emphysema Patients with Severe Hyperinflation, a STEP-UP RCT Subgroup Analysis</b> Arschang Valipour (Wien, Austria), Ralf Eberhardt, Daniella Gompelmann, Pallav Shah, William McNulty, Christian Grah, James Egan, Joachim Ficker, Manfred Wagner, Christian Witt, Uta Liebers, Peter Hopkins, Wolfgang Gesierich, Martin Phillips, Franz Stanzel, Christoph Petermann, Greg Snell, Felix Herth
PA1363	<b>Late Breaking Abstract - Diaphragm muscle density and function in chronic obstructive pulmonary disease</b> Adamo Donovan (Montreal, Canada), Irina Uscatescu, Sara Abdallah, Jean Bourbeau, Stewart Gottfried, Basil Petrof, Dennis Jensen, Benjamin Smith
PA1364	<b>Late Breaking Abstract - Aerobic exercise reduces asthma phenotype by inhibiting purinergic signaling and lymphatic organs hyperactivation</b> Manoel Carneiro De Oliveira Jr (Sao Paulo/Sp, Brazil), Alana dos Santos Dias, Erasmo Assumpção Neto, Clarice Olivo, Angela Batista Santos, Luana Vitoretto, Ana Paula Ligeiro de Oliveira, Rodolfo de Paula Vieira
PA1365	<b>Late Breaking Abstract - Respiratory symptoms and airway responsiveness in indoor female cleaners</b> Sasho Stoleski (Skopje, FYROM (Macedonia)), Jordan Minov, Jovanka Karadzinska Bislimovska, Dragan Mijakoski, Aneta Atanasovska, Neda Manusheva Shterlieva
PA1366	<b>Late Breaking Abstract - Dose-ranging study of mepolizumab in eosinophilic COPD</b> Ian Douglas Pavord (Oxford, United Kingdom), Huib A M Kerstjens, Stephanie Korn, Gerard J Criner, Hironori Sagara, David B Rubin, Stephanie Schweiker Harris, Bhabita Mayer, Eric S Bradford, Frank C Albers, Steven W Yancey
PA1367	<b>Late Breaking Abstract - Can a self-management plan, which includes a four-fold increase in inhaled corticosteroid dose, reduce severe asthma exacerbations: a randomised, pragmatic trial.</b> Tim Harrison (Nottingham, United Kingdom), Tricia Mckeever, Kevin Mortimer, Lelia Duley, Lucy Bradshaw, Richard Swinden, Andrew Skeggs, Ian Pavord, Bernard Higgins, Samantha Walker, Mike Thomas, Graham Devereux, Andrew Wilson, Christopher Brightling, David Price, Janet Osborne, Eleanor Mitchell, Rebecca Haydock

## Gold (South)

## Session 141

13:00 - 14:30

## Lunchtime session: Lung cancer for the pulmonologist

## A joint ERS/NEJM lunchtime session

**Aims :** The diagnosis and treatment of lung cancer has changed dramatically over the past 5 years. This programme will provide the attendee with the latest information on the screening for, diagnosis, and treatment of lung cancer.

**Track(s) :** Lung cancer

**Chairs :** Jeffrey Drazen (Boston, United States of America), Klaus F. Rabe (Grosshansdorf, Germany)

13:00	<b>Prevention of lung cancer</b> Stephanie Land (Bethesda, United States of America)	1368
13:25	<b>Screening for lung cancer</b> Hans-Ulrich Kauczor (Heidelberg, Germany)	1369
13:50	<b>Precision diagnosis and treatment of lung cancer</b> Martin Reck (Grosshansdorf, Germany)	1370

14:15 Discussion

1371

## Bronze (Hall 4)

## Session 142

13:00 - 14:15

## Assembly members' meeting: Assembly 4 Clinical physiology, sleep and pulmonary circulation

Chairs : Maria Bonsignore (Palermo, PA, Italy), Andrea Aliverti (Milan, Italy)

## Beige (South)

## Session 143

13:00 - 14:30

## Championship: 2017 Respiratory Championship

## Become a champion in respiratory medicine

**Aims :** Watch the four teams compete in this state-of-the-art review of the major fields of respiratory medicine and give it a try yourself by answering the questions with your mobile devices.**Tag(s) :** Clinical**Target audience :** Junior member, Pulmonologist, Trainee, Respiratory physician, Clinician**Chairs :** Konrad E. Bloch (Zurich, Switzerland), Thomas Brack (Glarus, Switzerland)**Gone with the Wind**

Marta Francesca Di Pasquale (Milan, Italy), Andrea Gramegna (Milan, Italy), Dejan Radovanovic (Milan, Italy)

1372

**Nordic Airways**

Hannele Hasala (Kangasala, Finland), Hanna-Riikka Kreivi (Helsinki, Finland), Johanna Salonen (Oulu, Finland)

1373

**The Airvengers**

Bakari Chitechi (Linz, Austria), Philipp Douschan (Graz, Austria), Vasile Foris (Graz, Austria)

1374

**The Inspired**

Kim De Muynck (Brussels, Belgium), Julien Guiot (Liège, Belgium), Hannelore Bode (Leuven, Belgium)

1375

## Black (North)

## Session 144

13:00 - 14:30

## Lunchtime session: ERS Research Initiatives

**Aims :** The audience will get an overview of the ERS research strategy. Examples will be presented on current successful CRC (Clinical Research Collaboration) and a new CRC. A facilitated discussion will end the session between the speakers, patient and industry representatives. This will give the pane to discuss the opportunities and risks of the strategy and for the audience to contribute to the debate.**Target audience :** Clinician, Pharmaceutical industry representative**Chairs :** Stephen T. Holgate (Southampton, United Kingdom), Scott. S Wagers (Maasmechelen, Belgium), Guy Brusselle (Ghent, Belgium)**13:00 ERS: planning the research agenda**

Christopher E. Brightling (Leicester, United Kingdom)

1376

**13:20 An overview of the EMBARC consortium in terms of set-up, collaborations and external funding**

Eva Polverino (Barcelona, Spain)

1377

**13:40 CRC: future success SHARP**

Ratko Djukanovic (Southampton, United Kingdom)

1378

**14:00 Panel discussion**

1379

## Purple (North)

## Session 145

13:00 - 14:30

## Lunchtime session: Making ERS guidelines usable and relatable

## The ongoing evolution

**Aims :** The audience will be able to explain the process and basic methodology to develop ERS clinical practice guidelines as well as the main challenges; to provide information on the different kinds of support offered by the ERS for guideline development as well as opportunities to be involved; to hear the experience of the first ERS fellow on guideline methodology; to learn about innovative ways to make evidence based guidelines more useful for everyday clinical practice; and to envisage the future of ERS guidelines as they are continuing to evolve.**Target audience :** Allied health professional, Clinician, Educationalist, Epidemiologist, Fellow, General practitioner, Nurse, Patient, Public health official, Pulmonologist, Researcher, Respiratory physician, Scientist**Chairs :** Thomy Tonia (Lausanne, Switzerland), Marc Miravittles (Barcelona, Spain)

13:00	<b>The ERS Guideline development process</b> David Rigau (Barcelona, Spain)	1380
13:15	<b>Developing joint ERS/ATS documents</b> Kevin Wilson (Westwood, United States of America)	1381
13:45	<b>The ERS Fellowship in guideline methodology</b> Alexander Mathioudakis (Manchester, United Kingdom)	1382
14:00	<b>The future of ERS guidelines</b> Marc Miravittles (Barcelona, Spain)	1383

### Red (North) Session 146 13:00 - 14:15

#### Assembly members' meeting: Assembly 10 Respiratory infections

**Aims :** The following prizes will be given during the Assembly Members' meeting:  
ERS Grant for Best Abstract in Bacterial Pneumonia  
ERS Travel Grant for Best Abstract in Diagnostic in Respiratory Infection

**Chairs :** Stefano Aliberti (Milan, Italy), Giovanni Sotgiu (Porto Torres, Italy)

### Space 1 + 2 (South) Session 147 13:00 - 14:15

#### Assembly members' meeting: Assembly 2 Respiratory Intensive Care

**Aims :** It includes the ceremony for the ERS Grant for the Best Abstract in Noninvasive Ventilatory Support.

**Chairs :** Raffaele Scala (Arezzo, Italy), Leo M.A. Heunks (Amsterdam, Netherlands)

### Amber 1 + 2 (South) Session 148 13:00 - 14:15

#### Assembly members' meeting: Assembly 8 Thoracic surgery and transplantation

**Chairs :** Geert Verleden (Leuven, Belgium), Stefano Elia (Rome, Italy)

### Amber 3 + 4 (South) Session 149 13:00 - 14:15

#### Educational forum: Continuing professional development

**Aims :** The aim of this forum is to explore CPD systems across different European countries and identify best practice of how to deliver and develop CPD for respiratory professionals.

**Chairs :** Gernot G.U. Rohde (Frankfurt am Main, Germany), Daiana Stolz (Basel, Switzerland)

13:00	<b>Continuing professional development - overview</b> Carolin Sehlbach (Maastricht, Netherlands)	1384
13:15	<b>UK perspective</b> Martin Allen (Staffordshire, United Kingdom)	1385
13:25	<b>Spanish perspective</b> Joaquim Gea Guiral (Barcelona, Spain)	1386
13:35	<b>Dutch perspective</b> Pascal L.M.L. Wielders (Eindhoven, Netherlands)	1387
13:45	<b>Future direction of CPD at the ERS</b> Daiana Stolz (Basel, Switzerland), Gernot G.U. Rohde (Frankfurt am Main, Germany)	1388

### Amber 5 + 6 (South) Session 150 13:00 - 14:15

#### Assembly members' meeting: Assembly 6 Occupation and epidemiology

**Aims :** The Ceremony for the ERS Assembly Lifetime Achievement Award will take place during the Assembly 6 Members' meeting.

**Chairs :** Dirk Heederik (Utrecht, Netherlands), Christer Janson (Uppsala, Sweden)

13:15-14:30

INDUSTRY PRACTICAL WORKSHOP

SEE PAGE 1

## Gold (South) Session 167 14:45 - 16:45

## Grand Round: GR3 Scientific Grand Round: Autoimmunity in chronic lung disease

**Aims :** To provide insight into the mechanisms of autoimmunity in chronic lung disease.

**Track(s) :** Chronic airway diseases

**Tag(s) :** Basic translational science

**Target audience :** Clinician, Epidemiologist, Fellow, Immunologist, Junior member, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist

**Chairs :** Melanie Koenigshoff (Denver, United States of America), Ken Bracke (Ghent, Belgium)

14:45	<b>Mechanisms of autoimmune-induced lung disease</b> Anthony Shum (San Francisco, United States of America)	1431
15:15	<b>Autoimmunity in airway inflammation and asthma</b> Jonas Erjefalt (Lund, Sweden)	1432
15:45	<b>Systemic autoimmunity and pulmonary fibrosis</b> Joyce Lee (Cherry Hills Village, United States of America)	1433
16:15	<b>Autoimmunity and smoking/COPD</b> Maria Rosa Faner Canet (Barcelona, Spain)	1434

## Auditorium (South) Session 168 14:45 - 16:45

## Symposium: State of the art session: "Paediatric"

**Aims :** With this symposium the audience will gain an up to date in the diagnosis, treatment and prevention of the most frequent respiratory diseases of children.

**Track(s) :** Respiratory infections Acute and chronic respiratory failure/sleep

**Tag(s) :** Paediatric

**Target audience :** Fellow, Immunologist, Junior member, Neonatologist, Paediatrician, Pulmonologist, Researcher, Resident

**Chairs :** Steve Cunningham (Edinburgh, Scotland, United Kingdom), Monika Gappa (Wesel, Germany), Wojciech Durlak (Kraków, Poland)

14:45	<b>New frontiers in the management of asthma</b> Fernando D. Martinez (Tucson, United States of America)	1435
15:15	<b>Recent developments in the management of Cystic fibrosis</b> Jane C. Davies (London, United Kingdom)	1436
15:45	<b>When and how to act on sleep disorders breathing</b> Stijn Verhulst (Antwerpen, Belgium)	1437
16:15	<b>Management of bronchiolitis for winter 2017/2018-What is in and what is out)</b> Fabio Midulla (Roma, Italy)	1438

## Silver (North) Session 169 14:45 - 16:45

## Symposium: Difficult indications for lung transplantation

**Aims :** In this symposium, we will tackle the difficult indications for lung transplantation. Some of these indications are valid while others are not. We want to reassure the audience that, in some of these indications, lung transplantation can have good outcomes. However, lung transplantation is likely to have bad outcomes in other indications.

**Tag(s) :** Clinical

**Target audience :** Clinician, Intensivist/critical care physician, Paediatrician, Pulmonologist, Radiologist, Respiratory physician, Thoracic surgeon

**Chairs :** Geert Verleden (Leuven, Belgium), James Laurence Lordan (Newcastle upon Tyne, United Kingdom)

14:45	<b>Lung transplantation in patients with immunodeficiencies: mission impossible?</b> Federica Meloni (Pavia, Italy)	1439
15:15	<b>Lung transplantation in patients with prior or concurrent cancer: safety first?</b> Robin Vos (Leuven, Belgium)	1440
15:45	<b>Lung transplantation for ARDS and/or ECLS bridging: managing the urgent and unexpected</b> Jens Gottlieb (Hannover, Germany)	1441

16:15	<b>Lung transplantation for systemic sclerosis and other connective tissue diseases</b> Rajan Sagar (Los Angeles, United States of America)	1442
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<b>Bronze (Hall 4)</b>	<b>Session 170</b>	<b>14:45 - 16:45</b>
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**Session: Sleep and Breathing****The best of the ERS/ESRS Conference 2017**

**Aims :** The aim of this session is to provide an overview on clinically relevant respiratory and non-respiratory topics addressed during the ERS/ESRS Sleep and Breathing Conference 2017.

**Track(s) :** Acute and chronic respiratory failure/sleep

**Tag(s) :** Clinical

**Target audience :** Clinician, Physiologist, Fellow, Resident, Sleep specialist/technologist

**Chairs :** Maria Bonsignore (Palermo, PA, Italy), Walter McNicholas (Dublin, Ireland)

14:45	<b>Neuroimaging of obstructive sleep apnea treatment-related changes in brain structure and activation</b> Vincenza Castronovo (Milan, Italy)	1443
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15:15	<b>Insomnia in sleep disordered breathing</b> Lisette N. Venekamp (Heeze, Netherlands)	1444
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15:45	<b>Sleep apnoea and COPD: if the worst comes to the worst</b> Winfried J. Randerath (Solingen, Germany)	1445
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16:15	<b>Cardiovascular complications of mild OSA</b> Jan A. Hedner (Gothenburg, Sweden)	1446
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<b>Beige (South)</b>	<b>Session 171</b>	<b>14:45 - 16:45</b>
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**Symposium: Digital health: transforming the respiratory landscape**

**Aims :** The wave of digital health is growing continuously and promises to transform the experience of patients. Respiratory medicine is in the centre of these developments because it can benefit from all of the components of the digital patient experience. The current presentation addresses the role of e-health in respiratory conditions, with a particular focus on asthma and COPD. It assesses the wave of investment in digital health and the need for patient direction and involvement in the expanding number of respiratory apps. It also describes an EU Horizon2020 project called "myAirCoach" and its innovative vision for asthma management and treatment in the future.

**Track(s) :** Chronic airway diseases

**Tag(s) :** Clinical

**Target audience :** Allergologist, Allied health professional, Clinician, Educationalist, Emergency medicine doctor, Engineer, Epidemiologist, Fellow, General practitioner, Junior member, Lung function technician, Nurse, Patient, Pharmaceutical industry representative, Physiologist, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Student, Trainee

**Chairs :** Kian Fan Chung (London, United Kingdom), Nicolino Ambrosino (Livorno, Italy)

14:45	<b>Digital health: will the promise be realised?</b> Omar S. Usmani (London, United Kingdom)	1447
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15:15	<b>Respiratory apps from a patient's perspective</b> Dee O'Sullivan (BRUXELLES, Belgium)	1448
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15:45	<b>Telemedicine in COPD</b> Michele Vitacca (Gussago, Italy)	1449
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16:15	<b>The digital future of asthma</b> Konstantinos Votis (Patra, Greece)	1450
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<b>Black (North)</b>	<b>Session 172</b>	<b>14:45 - 16:45</b>
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**Session: Bronchiectasis: from guidelines to real life****Results of the ERS Guidelines for the Management of Adult Bronchiectasis and EMBARC Clinical Research Collaboration**

**Aims :** 1) To present the new ERS Bronchiectasis Guidelines, the result of a 2 year ERS bronchiectasis task force 2) To review how the ERS bronchiectasis guideline recommendations are adhered to in real life, through presentation of the ERS/EMBARC Bronchiectasis registry results 3) To review the latest basic and translational science in the field of bronchiectasis that may lead to future therapies 4) To discuss developing therapies and new trials that we hope will contribute to the future ERS bronchiectasis guidelines



**Track(s) :** Chronic airway diseases Interstitial lung disease and vascular disease**Tag(s) :** Clinical**Target audience :** Clinician, Epidemiologist, General practitioner, Immunologist, Junior member, Microbiologist, Nurse, Patient, Pharmaceutical industry representative, Physiotherapist, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Student, Scientist**Chairs :** Felix C. Ringshausen (Hannover, Germany), Charles Haworth (CAMBRIDGE, United Kingdom)

14:45	<b>The European Bronchiectasis Guidelines</b> Eva Polverino (Barcelona, Spain)	1451
15:15	<b>From guidelines to real life- data from the EMBARC registry and national audits</b> Pieter Goeminne (Bornem, Belgium)	1452
15:45	<b>New horizons in bronchiectasis</b> Josje Altenburg (Alkmaar, Netherlands)	1453
16:15	<b>Filling in the gaps- Translational research to develop new therapies</b> Michael Loebinger (London, United Kingdom)	1454

## Purple (North) Session 173 14:45 - 16:45

### Session: Noninvasive ventilation (NIV) in acute respiratory failure

#### Results of the ERS/ATS Guidelines

**Aims :** The aim of this session is to illustrate the new guidelines for the use of noninvasive ventilation in patients with Acute Respiratory Failure, developed jointly by the ERS and ATS**Track(s) :** Acute and chronic respiratory failure/sleep**Tag(s) :** Clinical**Target audience :** Clinician, Intensivist/critical care physician, Nurse, Respiratory therapist, Allied health professional, Anaesthesiologist, Cardiologist, Emergency medicine doctor, Epidemiologist, Fellow, General practitioner, Junior member, Lung function technician, Oncologist, Patient, Physiotherapist, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Sleep specialist/technologist, Student, Trainee**Chairs :** Stefano Nava (Bologna, Italy), Paolo Navalesi (Milan, Italy)

14:45	<b>The methodology employed and what's are the main differences from the "old" ones</b> Bram Rochweg (Hamilton, ON, Canada)	1455
15:15	<b>Acute hypercapnic respiratory failure</b> Mark W. Elliott (Leeds, United Kingdom)	1456
15:45	<b>Acute hypoxic respiratory failure</b> Massimo Antonelli (ROMA, RM, Italy)	1457
16:15	<b>Technical aspects</b> Nicholas S. Hill (Providence, United States of America)	1458

## Red (North) Session 174 14:45 - 16:45

### Session: ERS statements and technical standards on diagnosis and monitoring

**Chairs :** Julie Lloyd (Birmingham, United Kingdom), Anh Tuan Dinh-Xuan (Paris, France)

14:45	<b>Standardizing Methacholine Challenge Test: PD20 but not PC20 is Independent of the Delivery System</b> Allan L. Coates (Toronto, ON, Canada)	1459
15:09	<b>Standardization of pulmonary diffusing capacity for nitric oxide</b> Gerald Zavorsky (Atlanta, United States of America)	1460
15:33	<b>Pulmonary hemodynamics during exercise</b> Gabor Kovacs (Graz, Austria)	1461
15:57	<b>Global Lung Function Initiative: Reference Equations for TLCO</b> Sanja Stanojevic (Toronto, ON, Canada)	1462
16:21	<b>ERS technical standard: Exhaled biomarkers in lung disease</b> Ildikó Horváth (Budakeszi, Hungary)	1463

## Space 1 + 2 (South)

## Session 175

14:45 - 16:45

## Oral Presentation: Interventional pulmonology highlights 2017

Chairs : Jouke T. Annema (Amsterdam, Netherlands), Felix J.F. Herth (Heidelberg, Germany)

- OA1464** **Minimal important difference of lobar volume reduction after valve treatment for emphysema**  
Jorrit Welling (Zwolle, Netherlands), Jorine Hartman, Dirk-Jan Slebos, Karin Klooster, Huib Kerstjens, Eva Van Rikxoort, Nick Ten Hacken
- 
- OA1465** **The REACH study, a randomized controlled trial assessing the safety and effectiveness of the Spiration Valve System endobronchial therapy for severe emphysema: 12 month follow-up results.**  
Guangfa Wang (Beijing, China), Shiyue li, Changhui Wang, Xinglin Gao, Faguang Jin, Huaping Yang, Baohui Han, Rui Zhou, Chengshui Chen, Liangan Chen, Chunxue Bai, Huahao Shen, Nanshan Zhong
- 
- OA1466** **Comparison of quantitative CT (QCT) with Chartis measurement to assess collateral ventilation as predictor of success in endoscopic lung volume reduction with valves**  
Maren Schuhmann (Heidelberg, Germany), Daniela Gompelmann, Konstantina Kontogianni, Kanoe Russell, Ralf Eberhardt, Claus Peter Heussel, Jed Sieren, Felix Herth
- 
- OA1467** **Visualizing the alveolar compartment in ILD patients by Optical Coherence Tomography**  
Lizzy Wijmans (Amsterdam, Netherlands), Daniel de Bruin, Rene Jonkers, Joris Roelofs, Inge van den Berk, Peter Bonta, Jouke Annema
- 
- OA1468** **Complete and systematic mediastinal nodal staging for lung cancer (SCORE study)>**  
Laurence M.M.J. Crombag (Huizen, Netherlands), Christophe Doooms, Jouke Annema, Peter Bonta, Daniel Korevaar, Jos Stigt, Kurt Tournoy, Wieneke Buikhuisen, Maarten Ninaber, Olga Schuurbijs, Sayed Hashemi
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- OA1469** **Needle based confocal laser endomicroscopy for lung cancer staging**  
Lizzy Wijmans (Amsterdam, Netherlands), Martijn de Bruin, Sybren Meijer, Peter Bonta, Jouke Annema
- 
- OA1470** **Complete endosonographic nodal staging of lung cancer in patients eligible for stereotactic ablative radiotherapy (STAGE study NCT02997449)**  
Laurence M.M.J. Crombag (Huizen, Netherlands), Jouke Annema, Edith Dieleman, Peter Bonta, Sayed Hashemi, Wieneke Buikhuisen, Olga Schuurbijs, Artur Szlubowski, Suresh Senan, Anthonie van der Wekken

## Space 3 + 4 (South)

## Session 176

14:45 - 16:45

## Oral Presentation: Lung cancer: clinical research on exhaled breath, clinical trials in advanced NSCLC and real-life appraisals of immunotherapies

Chairs : Nir Peled (Hod Hasharon, Israel), Sam Janes (London, United Kingdom)

- OA1472** **Early detection of lung cancer through analysis of VOC biomarkers in exhaled breath: The LuCID study.**  
Marc P. C. van der Schee (Amsterdam, Netherlands), Jasper Boschmans, Rob Smith, Russell Parris, Billy Boyle, Duncan Apthorp, Simon Kitchen, Robert C Rintoul, The LuCID Consortium
- 
- OA1473** **Exhaled Breath Analysis for Prediction of Response to Anti-PD1 Therapy in Patients with NSCLC**  
Rianne de Vries (Amsterdam, Netherlands), Mirte Muller, Marguerite Wolf-Lansdorf, Paul Baas, Peter J. Sterk, Michel M. Van Den Heuvel
- 
- OA1474** **The safety and efficacy of treatment with nab-paclitaxel and carboplatin for patients with advanced squamous non-small cell lung cancer with interstitial lung disease.**  
Tetsuo Fujita (Chiba, Japan), Takuma Hiroishi, Asako Yanagisawa, Noriko Hayama, Hiroyuki Amano, Makoto Nakamura, Satoshi Hirano, Hiroshi Tabeta, Sukeyuki Nakamura
- 
- OA1475** **Phase II study of S-1 with patient-reported outcome evaluation in elderly patients with previously untreated advanced non-small cell lung cancer**  
Hirokazu Ogino (Tokushima, Japan), Hisatsugu Goto, Yoshio Okano, Hisanori Machida, Nobuo Hatakeyama, Fumitaka Ogushi, Takashi Haku, Takanori Kanematsu, Tomoyuki Urata, Soji Kakiuchi, Masaki Hanibuchi, Saburo Sone, Yasuhiko Nishioka
- 
- OA1476** **Efficacy of next treatment received after Nivolumab (Nivo) progression in patients (pts) with non-small-cell lung cancer (NSCLC).**  
Adrien Costantini (PARIS, France), Jennifer Corny, Vincent Fallet, Sophie Renet, Sylvie Friard, Christos Chouaid, Boris Duchemann, Etienne Giroux-Leprieur, Laurent Taillade, Ludovic Doucet, Marie Wislez, Jean Tredaniel, Jacques Cadranet, Stéphane Jouveshomme
- 
- OA1477** **Efficacy and safety of nivolumab in routine NSCLC treatment – an observational study in 5 lung cancer centers in Berlin, Germany**  
Daniel Misch (Berlin, Germany), Maike de Wit, Christian Grah, Christian Grohé, Jens Kollmeier, Torsten Blum, Nikolaj Frost, Annette Reinecke

**OA1478 Emerging concern of infectious diseases in lung cancer patients receiving immune checkpoint inhibitor therapy**  
Kohei Fujita (Kyoto, Japan), Osamu Kanai, Young Hak Kim, Hironori Yoshida, Tadashi Mio, Toyohiro Hirai

**OA1471 Late Breaking Abstract - An interim report on the detection in blood of autoantibodies to tumour antigens as a case-finding method in lung cancer using the EarlyCDT®-Lung Test in Scotland (ECLS).**  
Francis Sullivan (st andrews, United Kingdom), Stuart Schembri

## Pink (South)

## Session 177

14:45 - 16:45

## Oral Presentation: Many faces of asthma assessment

**Chairs :** Marco Idzko (Freiburg, Germany), Ayşe Arzu Yorgancıoğlu (Izmir, Turkey)

**OA1479 Metabolomic profiling of serum during allergy immunotherapy in asthmatic children**  
Peiyan Zheng (Guangzhou, China), Baoqing Sun

**OA1480 Comparable serum periostin levels among a Japanese population with asthma, COPD, and asthma-COPD overlap**  
Toshihiro Shirai (Shizuoka, Japan), Keita Hirai, Yasuhiro Gon, Hiromasa Inoue, Shu Hashimoto

**OA1481 Non-atopic severe asthma – is it really always non-atopic? The IDENTIFY Project**  
Jens Schreiber (Magdeburg, Germany), Claudia Mailaender

**OA1482 Multidimensional assessment and targeted therapy of severe asthma: a randomised controlled trial (RCT)**  
Vanessa M. McDonald (Newcastle, NSW, Australia), Vanessa Clark, Peter Wark, Katherine Baines, Peter Gibson

**OA1483 Cluster analysis of cough asthma variant using forced oscillation technique and FeNO**  
Fumika Koike (Kanagawa, Japan), Yoshio Otani, Saki Oyama, Wakaba Furuie, Miho Akaza, Tetsuo Sasano, Kimitake Tsuchiya, Meiyo Tamaoka, Yasunari Miyazaki, Naohiko Inase, Yuki Sumi

**OA1485 Prevalence of traffic accidents in patients diagnosed with asthma and/or rhinitis**  
Nilda Patricia De La Cruz Castro (Jerez de la frontera, Spain), J.G. Soto Campos, A. Del Cuvillobernal, J. Rojas Villegas, R. Carmona García, J.M. Galvez Lozano, J.C Rodríguez Fernández, F. Pérez Grimaldi, J.D. Garcia Jimenez, A. Cortés Caballero, C. Cabrera Galán, F. Valenzuela Mateos

**OA5000 Fluctuation Dynamics of Clinical Markers in Asthmatic and Healthy Subjects Challenged with Rhinovirus**  
Anirban Sinha (Amsterdam, Netherlands), X Binbin, Veronica Leoni, Edgar Delgado Eckert, Urs Frey, Rene Lutter, Peter J. Sterk

## Brown 1 + 2 (South)

## Session 178

14:45 - 16:45

## Oral Presentation: Novel mechanisms and treatments for COPD

**Chairs :** Reinoud Gosens (Groningen, Netherlands), Ian M. Adcock (London, United Kingdom)

**OA1486 Late Breaking Abstract - Bacterial Load and Inflammation in Sputum from patients with Alpha-1-Antitrypsin Deficiency as compared with COPD Patients**  
Claudia Sangiorgi (CASTELLANA SICULA, Italy), Antonino Di Stefano, Isabella Gnemmi, Ilaria Ferrarotti, Federica Anchisi, Elena Paracchini, Lucio Corda, Paolo Baderna, Angelo Corsico, Bruno Balbi

**OA1487 COPD exacerbations significantly impact quality of life as measured by SGRQ-C total score: results from the FLAME study**  
Nicolas Roche (Paris, France), Jadwiga A Wedzicha, Francesco Patalano, Stefan-Marian Frent, Michael Larbig, Steven Shen, Robert Fogel, Donald Banerji

**OA1488 Fenspiride efficacy in the treatment of chronic obstructive pulmonary disease**  
Valentin Calancea (Chisinau, Republic of Moldova), Sergiu Matcovschi, Nelea Ghicavii, Tatiana Dumitras, Eudochia Terna, Nicolae Bodrug, Doina Barba

**OA1489 Impact of the state of endothelium on clinical and functional parameters in COPD patients with arterial hypertension.**  
Olga Titova (ST PETERSBURG, Russian Federation), Alexey Shumilov, Natalya Kuzubova

**OA1490 The TLR5 agonist flagellin prevents bacteria-induced chronic obstructive pulmonary disease exacerbations in mice.**  
Philippe Gosset (LILLE, France), Bachirou Kone, Magdiel Perez-Cruz, Rémi Porte, Christophe Carnoy, Pierre Gosset, François Trottein, Muriel Pichavant

**OA1491 EP2 & EP4 receptor agonists inhibit the airway sensory nerves that cause cough, a potential protective control that is lost in human smokers and a pre-clinical COPD model**  
Michael Wortley (London, United Kingdom), Sara Bonvini, Sarah Maher, Mark Birrell, Maria Belvisi

**OA1492 Gene signatures from U-BIOPRED transcriptomic-associated clusters exist in COPD**  
Stelios Pavlidis (London, United Kingdom), Alen Faiz, Dirkje Postma, Wim Timens, Maarten Van Den Berg, Scott Chihhsi Kuo, Kian Fan Chung, Ian Adcock, Yike Guo, Peter J. Sterk, Ratko Djukanovic, Pieter S. Hiemstra, Anthony Rowe

**OA1493 Cell Therapy in Patients with Advanced Chronic Obstructive Pulmonary Disease: 3 and 6 months follow up of Six Minute Walk Test, Quality of life and Pulmonary Function**  
Elie Fiss (Sao Paulo/Sp, Brazil), Selma D. Squassoni, Monica S. Lapa, Eliseo J. Sekiya, Adelson Alves, Andresa Forte, Nadine C. Machado, João T. Ribeiro -Paes

**Yellow (North) Session 179 14:45 - 16:45**

**Oral Presentation: COPD management: new findings from large studies**

**Chairs :** David M. G. Halpin (Exeter Devon, United Kingdom), Nicoletta R. Morelli (Den Haag, Netherlands)

**OA1494 Mortality and exacerbation prediction by GOLD groups ABCD 2011 vs. 2017: analysis of the COPD Gene cohort**  
Wassim Labaki (Ann Arbor, United States of America), Carlos Martinez, Elizabeth Regan, Jessica Bon, Xavier Soler, Surya Bhatt, Wassim Labaki, Susan Murray, John Hokanson, Edwin Silverman, James Crapo, Jeffrey Curtis, Fernando Martinez, Barry Make, MeiLan Han

**OA1495 Frailty and its components predict health-related quality-of-life in middle-aged and elderly COPD people and could identify areas for age-specific interventions: an analysis of the NETT study**  
Catherine Meldrum (Ann Arbor, United States of America), Carlos Martinez, Deborah Kloska, Fernando Martinez, MeiLan Han, Janet Larson

**OA1496 Association between emphysema, exacerbations and mortality in the COPD Gene and SPIROMICS cohorts**  
MeiLan K. Han (Ann Arbor, United States of America), Nabihah Tayob, Victor Kim, Susan Murray, R. Graham Barr, Stephen Rennard, Prescott Woodruff, Christopher Cooper, Richard Kanner, Eugene Bleecker, David Couper, Craig Hersh, Christine Wendt, Mark Dransfield, Jeffrey Curtis, Marilyn Foreman, Richard Casaburi, Barry Make, Gerard Criner, Elizabeth Regan, John Hokanson, Terri Beaty, James Crapo, Edwin Silverman, George Washko, Craig Galban, Brian Ross, Eric Hoffman, David Lynch, Ella Kazerooni, Fernando Martinez

**OA1497 Impact of grouping patients by 2017 GOLD strategy assessment criteria: a post hoc analysis of the TONADO and OTEMTO trials**  
Roland Buhl (Mainz, Germany), François Maltais, Roger Abrahams, Lars Grönke, Florian Voss, Dave Singh

**OA1498 Changes in GOLD Classifications: 2011 versus 2017. Do exacerbations have any role in mortality?**  
Rebeca Sicilia Torres (LAS PALMAS DE GRAN CANARIA, Spain), C. Cabrera, J.M. Marín, C. Casanova, J.P. De Torres, M. Divo, V. Pinto-Plata, J. Zulueta, B. Celli

**OA1499 CAB score predicts short-term mortality at hospital admission for acute exacerbations of COPD**  
Roy T.M. Sprooten (Cadier en Keer, Netherlands), Wouter T. Leijte, Glenn Lawyer, Gernot G.U. Rohde

**OA1500 Sources of origin of the oropharyngeal microbiota in patients with different phenotypes of COPD**  
Sergey Fedosenko (Tomsk, Russian Federation), Maria Karnaushkina, Ludmila Ogorodova, Vyacheslav Petrov, Evgeny Kulikov, Natalia Kirillova

**Brown 3 (South) Session 180 14:45 - 16:45**

**Oral Presentation: Cardiac function assessment in pulmonary hypertension**

**Chairs :** Harm Jan Bogaard (Amsterdam, Netherlands), David Kiely (Sheffield, United Kingdom)

**OA1501 Goal orientated strategy to preserve right ventricular ejection fraction trial (GOSPEL trial)**  
Anna Huis In 't Veld (Amsterdam, Netherlands), Anna Huis In 't Veld, Mariëlle C. Van de Veerdonk, Onno A. Spruijt, J. Tim Marcus, Harm Jan Bogaard, Anton Vonk Noordegraaf

**OA1502 Bilateral proximal CTEPH is associated with worse RV function and RV (mal)adaptation**  
Dieuwertje Ruigrok (Amsterdam, Netherlands), Matthijs Kreft, Anna Huis in 't Veld, Esther J. Nossent, Petr Symersky, Anton Vonk Noordegraaf, Lilian J. Meijboom, Harm Jan Bogaard

**OA1503 Left ventricular strain and dyssynchrony by CMR Feature tracking in Idiopathic Pulmonary Arterial Hypertension(IPAH)**  
Geeshath Jayasekera (GLASGOW, United Kingdom), Kenneth Mangion, Tim Crowe, Alison Mackenzie, Christie McComb, Martin Johnson, Colin Church, Colin Berry, Aleksandra Radjenovic, Andrew Peacock

**OA1504 Echocardiographic measures of right ventricular function poorly correlate with changes in contractility and coupling in treatment naïve patients with pulmonary artery hypertension before and after therapy.**  
Roberto Bernardo (Oklahoma City, United States of America), Kelly Wickstrom, Ankit Desai, Vineet Nair, Rebecca Vanderpool, Franz Rischard

**OA1505 Prognostic relevance of right atrial function in pulmonary arterial hypertension**  
Michele D'Alto (Napoli, Na, Italy), Michele D'Alto, Antonello D'Andrea, Paola Argiento, Giancarlo Scognamiglio, Giovanni Di Salvo, Emanuele Romeo, Agostino Mattera Iacono, Giovanni Maria Di Marco, Marialuisa Bocchino, Alessando Sanduzzi, Maria Giovanna Russo

**OA1506 Right ventricular strain differences between idiopathic and systemic sclerosis Pulmonary Hypertension**  
Valentina Mercurio (Baltimore, United States of America), Monica Mukherjee, Ryan Tedford, Ami Shah, Steven Hsu, Rachel Damico, Todd Kolb, Stephen Mathai, Paul Hassoun

**OA1507 Prognostic value of hemodynamics following treatment initiation in pulmonary arterial hypertension**  
Jason Weatherald (Calgary, AB, Canada), Yochai Adir, Athénaïs Boucly, Laurent Savale, Gérald Simonneau, David Montani, Xavier Jaïs, Marc Humbert, Denis Chemla, Olivier Sitbon, Philippe Hervé

## Amber 1 + 2 (South)

## Session 181

14:45 - 16:45

## Poster Discussion: Rare diseases

Chairs : George Margaritopoulos (London, United Kingdom), Hilario Nunes (Bobigny, France)

**PA1508 Birt-Hogg-Dubé Syndrome: The experience of an Italian Centre**  
Elena Torricelli (FIRENZE, Italy), Elena Bargagli, Elisabetta Rosi, Chiara Cresci, Edoardo Cavigli, Chiara Moroni, Alessandra Bindi, Mariaelena Occhipinti, Giorgia Tancredi, Alessandro Gonfiotti, Sara Borgianni, Luisa Candita, Laura Papi, Michela Bezzi, Luca Voltolini, Massimo Pistolesi

**PA1509 The Italian Reference Center Database for Pulmonary Alveolar Proteinosis (PAP).**  
Ilaria Campo (Pavia, Italy), Zamir Kadija, Elena Paracchini, Davide Piloni, Michele Zorzetto, Federica Meloni, Francesca Mariani, Elena Salvaterra

**PA1510 The significance of serum biomarkers as predictive factors for the clinical course of idiopathic pleuroparenchymal fibroelastosis (IPPF)**  
Naoya Ikegami (Sakai, Osaka, Japan), Toru Arai, Chikatoshi Sugimoto, Masanori Akira, Takahiko Kasai, Masanori Kitaichi, Seiji Hayashi, Yoshikazu Inoue

**PA1511 Pulmonary hemodynamics and mortality in chronic hypersensitivity pneumonitis**  
Rudolf Oliveira (SAO PAULO/SP, Brazil), Jaquelina Ota-Arakaki, Paula Gomes, Andrea Gimenez, Carolina Messina, Roberta Ramos, Eloara Ferreira, David Systrom, Carlos Pereira

**PA1512 Long Term Sirolimus therapy for LAM: a real life experience**  
Davide Elia (Milan, Italy), Roberto Cossandro, Olga Torre, Sergio Harari

**PA1513 Analysis of children's diffuse parenchymal lung disease from the European Management Platform for Childhood Interstitial Lung Diseases: Frequency of disease categories and treatments used**  
Julia Carlens (HANNOVER, Germany), Matthias Griese, Andrew Bush, Annick Clement, Steve Cunningham, Meike Hengst, Nural Kiper, Anastasiia Korotkaia, Katarzyna Krenke, Joanna Lange, Elias Seidl, Deborah Snijders, Martin Wetzke, Nicolaus Schwerk

**PA1514 Minor salivary gland biopsy in patients with Sjogren syndrome-related ILD: correlation with lung damage**  
Carmen Navarro (Mexico City, Mexico), Aime Alarcon, Ivette Buendia, Mayra Mejia, Miguel Gaxiola

**PA1515 Long-term outcome of 53 patients with anti-Jo-1 antibody-positive interstitial lung disease**  
Tomoko Nakanishi (Tenri, Japan), Masakuni Ueyama, Satoru Terada, Nobuyoshi Hamao, Takashi Inao, Yusuke Kaji, Takehiro Yasuda, Seishu Hashimoto, Takashi Hajiro, Eisaku Tanaka, Yuko Nishimoto, Satoshi Noma, Yoichiro Kobashi, Yoshio Taguchi

**PA1516 SFTPA mutations in interstitial lung disease (ILD) and lung cancer**  
Nadia Nathan (Paris, France), Marie Legendre, Caroline Kannengiesser, Juliette Albuisson, Raphaël Borie, Diane Bouvry, Bruno Copin, Bruno Crestani, Jean-Charles Dalphin, Florence Dastot Le Moal, Paul De Vuyst, Philippe Duquesnoy, Emilie Filhol-Blin, Violaine Giraud, Carine Gomez, Laurent Gouya, Xavier Jeunemaître, Valérie Nau, Hilario Nunes, Clément Picard, Grégoire Prevost, Martine Reynaud-Gaubert, Serge Amselem, Annick Clement

**PA1517 Is lung ultrasound useful in diagnosing and monitoring children with neuroendocrine cell hyperplasia of infancy?**  
Katarzyna Krenke (Laski, Poland), Emilia Urbankowska, Tomasz Urbankowski, Lukasz Drobczynski, Joanna Lange, Teresa Bielecka, Michal Brzewski, Marek Kulus

**PA1518 Predicting factors for mortality in patients with pleuroparenchymal fibroelastosis**  
Tsuneyuki Oda (Yokohama, Japan), Eri Hagiwara, Takuma Katano, Erina Tabata, Ryota Shintani, Sinko Sadoyama, Satoshi Ikeda, Hideaki Yamakawa, Ryo Okuda, Akimasa Sekine, Hideya Kitamura, Tomohisa Baba, Sigeru Komatsu, Takashi Ogura

- PA1519** **The evaluation of serum biomarkers in patients with sarcoidosis: Can visfatin be a new biomarker for sarcoidosis?**  
Efsun Gonca Uur Chousein (STANBUL, Turkey), Elif Tanrıverdi, Sinem İliaz, Mustafa Çörtük, Demet Turan, Gülçin Gül, Mehmet Akif Özgül, Erdoğan Çetinkaya
- PA1520** **Lung ultrasound in the evaluation of interstitial lung diseases in the course of connective tissue diseases**  
Natalia Buda (Gdańsk, Poland), Maciej Piskunowicz, Maria Porzezińska, Wojciech Kosiak, Zbigniew Zdrojewski
- PA1521** **Down-regulation of PD-1/PD-Ls in patients with asbestosis and silicosis**  
Qiao Ye (Beijing, China), Meihua Qiu, Changjiang Xue, Shuangli Yang, Yali Fan
- PA1522** **Radiographic patterns in a cohort of 281 asbestosis patients**  
Qiao Ye (Beijing, China), Xiaoli Yang, Yongji Yan, Xuqin Du, An Li
- PA1523** **Rosmarinic acid enhances apoptosis and cell cycle arrest induced by Carnosic acid on Human Lung Fibroblasts**  
Sana BAHRI (Tunis, Tunisia), Saloua BEN KHAMSA JAMELEDDINE, Frédérique MIES, Kathleen MC ENTEE, Vadim SHLYONSKY
- PA1524** **Comparison of reduction ratio of the native fibrotic lung of PPFE with or without single lung transplantation**  
Yuko Waseda (Yoshida-gun, Japan), Carmen Halder, Satoshi Watanabe, Helmut Prosch, Christian Herold, Hazuki Takato, Yukari Ichikawa, Kazuyoshi Watanabe, Masahide Yasui, Kazuo Kasahara, Tamotsu Ishizuka, Christopher Lambers
- PA1525** **Desquamative interstitial pneumonia - a comprehensive review**  
Laila Haugen Thorgersen (Næstved, Denmark), Elisabeth Bendstrup

## Amber 3 + 4 (South)

## Session 182

14:45 - 16:45

## Poster Discussion: Novel treatments for rehabilitation of patients with chronic respiratory diseases

Chairs : Christian Osadnik (Melbourne, VIC, Australia), Margareta Emtner (Uppsala, Sweden)

- PA1527** **Effects of Telerehabilitation on Dyspnea and Exercise Capacity in Patients with Type 2 Diabetes Mellitus Who Smoked.**  
Neslihan Durutürk (Ankara, Turkey), Neslihan Durutürk, Manolya Acar
- PA1528** **The challenge of learning motivational interviewing (MI) for pulmonary rehabilitation (PR): clinician perspectives.**  
Robert Shannon (Southampton, United Kingdom), Rachael Summers, Anne Bruton, Maggie Donovan-Hall
- PA1529** **Acquiring skills in motivational interviewing (MI) to enhance adherence to pulmonary rehabilitation (PR).**  
Robert Shannon (Southampton, United Kingdom), Anne Bruton, Maggie Donovan-Hall
- PA1530** **Beyond dissemination: A knowledge translation study to implement and evaluate AECOPD-Mob, a clinical decision-making tool for health care professionals mobilizing hospitalized patients with an acute exacerbation of COPD**  
Pat Camp (Vancouver, BC, Canada), Gail Dechman, Ori Ben Ari, Alison Hoens, Ashley Kirkham, Rosalyn Jones, Aggie Black, Frank Chung, Preeya Dajee, Amy Ellis, Beena Parappilly, Chiara Singh, Philip Sweeney
- PA1531** **Does endurance exercise intensity affect fatigue in sarcoidosis patients?**  
Anita Grongstad (Slattum, Norway), Nina Kjøpke Vøllestad, Martijn Spruit, Anne Edvardsen, Line Oldervoll
- PA1532** **Ear acupuncture for anxiety in patients with COPD attending pulmonary rehabilitation: a feasibility study**  
Denise Gibson (Southampton, United Kingdom), Anne Bruton, Peter White
- PA1533** **A comparison trial of eight weeks versus twelve weeks of exercise program in interstitial lung diseases.**  
Ilknur Naz (Izmir, Turkey), Hulya Sahin, Fatma Demirci Üçsular, Enver Yılmaz
- PA1534** **Effects of thoracic kinesio taping on pulmonary functions, respiratory muscle strength and functional capacity in COPD patients: a pilot randomized controlled study**  
Murat Tomruk (ZMİR, Turkey), Elvan Keleş, Sevgi Özalevli, Aylin Özgen Alpaydın
- PA1535** **Effects of core stabilization exercises in patients with asthma**  
Elif Develi (İstanbul, Turkey), Feryal Subasi, Göksen Kuran Aslan, Zuleyha Kaya
- PA1536** **Long-term benefits of pulmonary rehabilitation in COPD patients: 2 year follow-up**  
Abebaw Mengistu Yohannes (Azusa, United States of America), Sheila Dryden, Nicola Hanania
- PA1537** **Effects of low load/high-repetition resistance training in patients with COPD**  
Andre Nyberg (Umeå, Sweden), Didier Saey, Mickael Martin, François Maltais
- PA1538** **Effect of different resistance intensities in combined training on muscle strength response in COPD**  
Marina Barusso-Grüninger (Tatuí/SP, Brazil), Júlia Gianjeppe-Santos, Valeria Amorim Pires Di Lorenzo

**PA1539 Photobiomodulation's chronic effects by light-emitting diode therapy on peripheral muscle function during a resistance training program in patients with difficult to control asthma: a randomized controlled clinical trial.**  
Ivan Peres Costa (SAO PAULO/SP, Brazil), Lawrence P Cahalin, Henrique de Oliveira Galli, Priscila Sillis da Silva, Rodolfo de Paula Vieira, Simone Dal Corso, Nivaldo Antonio Parizotto, Ross Arena, Roberto Stirbulov, Luciana Maria Malosa Sampaio

**PA1540 Acute effects of expiratory positive airway pressure on exercise capacity in patients with COPD**  
Veronica Parreira (Belo Horizonte/Mg, Brazil), Hugo Pereira, Danielle Vieira, Liliane Mendes, Giane Ribeiro-Samora, Guilherme Fregonezi, Bianca Carmona

**PA1541 Effect of Exercise Training on Gait Parameters and Functional Balance in Obstructive Pulmonary Disease**  
Naciye Vardar Ya 1 (Ankara, Turkey), Melda Saglam, Gul Sener, Deniz Inal-Ince, Ebru Calik-Kutukcu, Haluk Tekerlek, Cemile Bozdemir Ozel, Hazal Sonbahar Ulu, Aslihan Cakmak, Hulya Arikan, Lutfi Coplu

**PA1542 The effects of aerobic exercise training on spirometric parameters, respiratory muscle strength and functional capacity in patients after coronary artery bypass surgery.**  
Semiramis Ozyilmaz (Istanbul, Turkey), Nilgun Gurses, Melih Zeren, Gurkan Cetin

Amber 5 + 6 (South)

Session 183

14:45 - 16:45

**Poster Discussion: From donor lung selection and organ preservation to lung transplant outcome**

**Chairs :** Bart Vanaudenaerde (Leuven, Belgium), Wilfried De Backer (Edegem (Antwerp), Belgium)

**PA1543 Evaluation of a lung donor score: retrospective analysis of Swiss donor data**  
Christian Benden (Zürich, Switzerland), Andreas Elmer, Julius Weiss, John-David Aubert, Paola Gasche-Soccal, Ilhan Inci, Thorsten Krueger, Franz Immer

**PA1544 Microbial profile of donor lungs: data from 2009 to 2016**  
Priscila Cilene Leon Bueno De Camargo (Sao Paulo/Sp, Brazil), Jose Eduardo Afonso Jr, Silvia Vidal Campos, Rafael Medeiros Carraro, Priscila Borelli Pereira Leite, Liliane Saraiva Mello, Ricardo Henrique de Oliveira Braga Teixeira, Paulo Manuel Pego-Fernandes, Costa Andre Nathan

**PA1545 Creatine supplementation attenuates ischemia-reperfusion injury in lung transplantation**  
Francine Maria de Almeida (Sao Paulo/Sp, Brazil), Angela da Silva Battochio, João Vitor Pithon Napoli, Katiusa Abreu Alves, Manoel Carneiro de Oliveira-Junior, Henrique Takachi Moriya, Paulo Manuel Pêgo-Fernandes, Rodolfo de Paula Vieira, Rogerio Pazetti, Grace Balbin Silva

**PA1546 Effect of heparin on gelatinases during lung preservation in rabbits**  
Jesus Alquicira (Mexico City, Mexico), Jose Luis Arreola, Mario H Vargas

**PA1547 Ex Vivo Lung Perfusion biopsies and risk factors for early acute rejection**  
Filippo Patrucco (Torino, To, Italy), Elisa Clivati, Giulia Verri, Erika Simonato, Luisa Delsedime, Massimo Boffini, Davide Ricci, Mauro Rinaldi, Caterina Bucca, Paolo Solidoro

**PA1548 Five years of EVLP: a monocentric experience**  
Letizia Corinna Morlacchi (Milan, Italy), Valeria Rossetti, Paolo Tarsia, Giulia Maria Ruggeri, Lorenzo Rosso, Mario Nosotti, Francesco Blasi, Davide Tosi, Franco Valenza

**PA1549 Preoperative Six-Minute-Walk Test in Lung Transplantation: survival predictor**  
Nidia Pestana Caires (Funchal, Portugal), Sara Campos Silva, Vania Caldeira, Rita Gerardo, Nicole Murinello, Ana Sofia Santos, Alexandra Borba, Joao Eurico Reis, Paulo Calvino, Ivan Bravio, Fernando Martelo, Joao Cardoso, Luisa Semedo, Jose Fragata

**PA1550 Intraoperative extracorporeal membrane oxygenation versus cardiopulmonary bypass for lung transplantation: A meta-analysis**  
Dimitrios Magouliotis (Larisa, Greece), Alexis Svokos, Konstantina Svokos, Anne Olland, Gilbert Massard, Vasiliki Tasiopoulou, Dimitris Zacharoulis

**PA1551 Pattern and outcomes of unplanned ICU readmission following lung transplantation**  
Christopher Alan Mazo Torre (Barcelona, Spain), Jordi Riera Del Brio, Teresa Pont, Maria Angeles Ballesteros, David Iturbe Fernández, Maria Isabel Real Navacerrada, Ludy Rellan, Silvia Moyano, Jordi Rello, Juan Carlos Robles

**PA1552 One-year outcomes in lung transplant (LTx) patients after 7 days of Mechanical Ventilation (MV) and extracorporeal life support (ECLS) from The RECOVER Program**  
Cecilia Chaparro (Toronto, ON, Canada), Erica Merman, Priscila Robles, Bruno Bruno, Leslie Chu, Stacey Burns, Claire Thomas, Andrea Matter, George Tomlison, Chung-WaiW Chow, Tereza Martinu, Stephen Juvet, Jussi Tikkanen, Matthew Binnie, Liane Singer, Dmitry Rozenberg, John Granton, Eddy Fan, L Delborso, Shaf Keshavjee, Marcelo Cypel, T Wadell, K Yasufuku, Marc DePerrot, A Pierre, Jill Cameron, Margaret Herridge

- PA1553 Heme scavenging by alpha1-antitrypsin as a potent therapeutic strategy to prevent systemic inflammation and tissue damage after lung transplantation**  
Sabine Wrenger (Hannover, Germany), Sabina Janciauskiene, Srinu Tumpara, Tobias Welte, Malgorzata Wiese, Joanna Chorostowska, Stephan Immenschuh
- PA1554 Role of Alpha 1-antitrypsin and Human Neutrophil Elastase in BALf of lung transplant recipients: preliminary data**  
Davide Piloni (PAVIA, Italy), Ilaria Ferrarotti, Simona Viglio, Maddalena Cagnoni, Marina Gorrini, Sara Magni, Monica Di Venere, Roberta Salvini, Anna Maria Bardoni, Paolo Iadarola, Federica Meloni
- PA1555 Survival and lung function in double lung transplant recipients with cystic fibrosis**  
Are Martin Holm (Oslo, Norway), Henrik Auråen, Michael Durheim, Arnt Fiane, Odd Geiran, Hans Henrik Lawaetz Schultz, Martin Iversen
- PA1556 Reliability of computed tomography (CT) quantitative analysis in lung transplantation follow-up.**  
Caterina Salito (Milano, MI, Italy), Francesca Pennati, Andrea Aliverti, Valeria Rossetti, Maria Pappalè, Paolo Tarsia, Mario Nosotti, Alessandro Palleschi, Maria Carrinola, Matteo Montoli, Pietro Biondetti
- PA1557 Regional analysis with quantitative computed tomography after lung transplantation.**  
Caterina Salito (Milano, MI, Italy), Francesca Pennati, Alessandro Palleschi, Luigi Santambrogio, Andrea Aliverti, Letizia Corinna Morlacchi, Domenica Federica Briganti, Paolo Tarsia, Lorenzo Rosso, Paolo Mendogni, Valentina Vespro
- PA1558 Dynamics of the human respiratory virome after transplantation**  
Alicia Mitchell (Naremburn, Australia), Bassel Mourad, Monique Malouf, Mark Benzimra, Lucy Morgan, Brian Oliver, Allan Glanville
- PA1559 Genetic variation in the STAT3 gene has an impact on survival after lung transplantation**  
Tobias Heigl (Leuven, Belgium), Hannelore Bellon, Annelore Sacreas, Anke Van Herck, Sofie Ordies, Karen Maes, Thomas Vanhove, Diether Lambrechts, Arne Neyrinck, Dirk Van Raemdonck, Robin Vos, Stijn Verleden, Geert Verleden, Bart Vanaudenaerde
- PA1560 Polymorphisms in immunosuppression transporters affect outcome after lung transplantation.**  
Hannelore Bellon (LEUVEN, Belgium), Elly Vandermeulen, Anke Van Herck, Annelore Sacreas, Tobias Heigl, Thomas Vanhove, Dieter Lambrechts, Stijn Verleden, Robin Vos, Bart Vanaudenaerde, Geert Verleden

## Amber 7 + 8 (South)

## Session 184

14:45 - 16:45

## Poster Discussion: Prevalence, prognosis and comorbidities of COPD and factors associated with lung function

Tag(s) : Smoking prevention and cessation (HLfL)

Chairs : Jørgen Vestbo (Manchester, United Kingdom), Judith Garcia Aymerich (Barcelona, Spain)

- PA1561 The population impact of smoking on chronic airflow obstruction in different global regions: a BOLD Study analysis**  
Peter Burney (London, United Kingdom), Jaymini Patel, Cosetta Minelli, A. Sonia Buist
- PA1562 The prevalence of Chronic Obstructive Pulmonary Disease (COPD) in 1995-97 and 2006-08: The HUNT study, Norway.**  
Laxmi Bhatta (Trondheim, Norway), Linda Leivseth, Xiao-Mei Mai, Yue Chen, Anne Hildur Henriksen, Arnulf Langhammer, Ben Michael Brumpton
- PA1563 Unemployment in chronic airflow obstruction (CAO) around the world: Results from the Burden of Obstructive Lung Disease (BOLD) study**  
Marta Erdal (Bergen, Norway), Rune Grønseth, Wan C. Tan, Daniel O. Obaseki, Andre F. S. Amaral, Thorarinn Gislason, Sanjay K. Juvekar, Parvaiz A. Koul, Michael Studnicka, Sundeep Salvi, Peter Burney, A. Sonia Buist, William M. Vollmer, Ane Johannessen
- PA1564 Sex-differences in mortality within the COPD chronic bronchitis phenotype**  
Lies Lahousse (Ghent, Belgium), Leen Seys, Guy Joos, Oscar Franco, Bruno Stricker, Guy Brusselle
- PA1565 A systematic review of prognostic models in COPD**  
Vanesa Bellou (Ioannina, Greece), Lazaros Belbasis, Athanasios Konstantinidis, Ioanna Tzoulaki, Evangelos Evangelou
- PA1566 Body mass index across adulthood and the development of airflow obstruction and emphysema**  
Ruth Trethewey (, United Kingdom), Emily Petherick, Dale Eslinger, Vasam Ramachandran, Nicole Spartano, Martin Larson, George O'Connor, Michael Steiner
- PA1567 Increased risk of peripheral arterial disease in individuals with COPD**  
Natalie Terzikhan (Dordrecht, Netherlands), Lies Lahousse, Katia Verhamme, Oscar Franco, Guy Brusselle, Bruno Stricker



- PA1568 The prevalence of QTc-prolongation increase by GOLD stage in COPD**  
Ulf Nilsson (UMEÅ, Sweden), Isabel Kanerud, Ulla-Britt Diamant, Bengt Johansson, Anne Lindberg
- PA1569 Risk of stroke in COPD: a matched cohort study**  
Ann Morgan (Market Harborough, United Kingdom), Kieran Rothnie, Krishnan Bhaskaran, Liam Smeeth, Jennifer Quint
- PA1570 Long-term outcomes of percutaneous coronary intervention in patients with chronic obstructive pulmonary disease: a 13-year nationwide cohort study**  
Wei-Chieh Lin (Tainan, Taiwan), Chang-Wen Chen, Chao-Han Lai
- PA1571 Airway obstruction and the risk of major coronary event**  
Tiina Mattila (Helsinki, Finland), Tuula Vasankari, Harri Rissanen, Paul Knekt, Pauli Puukka, Markku Heliövaara
- PA1573 Association of long-term air pollution with spirometry and lung diffusing capacity: Results from the KORA FF4 study**  
Stefan Karrasch (Neuherberg, Germany), Barbara Köpf, Kathrin Wolf, Josef Cyrus, Alexandra Schneider, Rolf Holle, Annette Peters, Holger Schulz
- PA1574 Symptoms of obstructive pulmonary disease in obese adults with normal FEV1/FVC ratio: Data from the ACE 1950 study.**  
Nina Faksvaag Caspersen (Oslo, Norway), Vidar Søyseth, Trygve Berge, Arnljot Tveit, Helge Røsjø, Gunnar Einvik
- PA1575 Effects of replacing sedentary behavior by light and moderate-to-vigorous physical activity on lung function in adults**  
Victor Dourado (Santos/Sp, Brazil), Evandro Sperandio, Marcello Romiti, Antônio Gagliardi, Rodolfo Arantes
- PA1576 A restrictive spirometry pattern is associated with lower physical activity levels in adults**  
Elaine Fuertes (München, Germany), Anne-Elie Carsin, Debbie Jarvis, Josep M Antó, Joachim Heinrich, Roberto Bono, Cecilie Svanes, Emmanuel Schaffner, Margareta Emtner, Shyamali Dharmage, Wasif Raza, Bénédicte Leynaert, Silvia Pascual, Nicole Probst, Judith Garcia-Aymerich
- PA1577 Is physical activity associated with lung function in lung-healthy German adults?**  
Holger Schulz (Neuherberg, Germany), Agnes Luzak, Stefan Karrasch, Barbara Thorand, Dennis Nowak, Rolf Holle, Annette Peters
- PA1578 Validation of smoking status reported by parents and their offspring –The RHINESSA generation study**  
Kathrine Pape (København Ø, Denmark), Cecilie Svanes, Andrei Malinovsky, Jögi, Lennart Bråbäck, Christer Janson, Mathias Holm, Jesus Moratalla, Jose Louis Maldonado, Bryndis Benediktsdottir, Caroline Lodge, Randi Jacobsen Bertelsen, Ane Johannessen, Vivi Schlünssen

## Blue 1 (North)

## Session 185

14:45 - 16:45

## Poster Discussion: Mesothelioma and malignant pleural disease

Chairs : Philippe Astoul (Marseille, France), Najib M. Rahman (Oxford, United Kingdom)

- PA1579 LSC - 2017 - Targeting CD98hc: a key mediator of tumour and microenvironmental crosstalk in malignant mesothelioma**  
Claire Rooney (GLASGOW, United Kingdom), Lynda Vuong, Sara Rushwan, Wei Wang, Tariq Sethi, Alison Mackinnon, Frank McCaughan
- PA1580 Prognostic significance of serum and pleural mesothelin in malignant pleural mesothelioma (MPM)**  
Valentina Pinelli (Brescia, Italy), Massimiliano Sivori, Pier Aldo Canessa, Vincenzo Fontana, Maria Pia Pistillo, Paola Ferro, Maria Cristina Franceschini, Antonella Vigani, Silvio Roncella, Enrico Battolla
- PA1581 Novel Synthetic lignan reduces asbestos-induced damage in human pleural mesothelial cells-Potential clinical usefulness in inhibiting pleural malignant mesothelioma**  
Melpo Christofidou-Solomidou (Philadelphia, United States of America), Ralph Pietrofesa, Steven Albelda
- PA1582 Exhaled breath analysis allows exclusive screening for malignant pleural mesothelioma.**  
Kevin Lamote (Wilrijk, Belgium), Matthijs Vynck, Olivier Thas, Joris Van Cleemput, Kristiaan Nackaerts, Jan P. van Meerbeeck
- PA1583 Pleural fluid DNA integrity index as a diagnostic marker of malignant pleural effusion**  
Maha Yousif (Menoufia Gavernorate, Egypt), Abd Elmoneem Eltorgoman, Eman Badr, Yasmin Kombr
- PA1584 Utility of conjoined EBUS-TBNA, ROSE (rapid-on site evaluation) and flow cytometry in diagnosis of lymphoma**  
Miras Medenica (Manchester, United Kingdom), Simon Bailey, Shuayb Elkhailifa, Durgesh Rana, Narine Nadira
- PA1585 Comparison of multiple serum and pleural fluid biomarkers for the diagnosis of Malignant Pleural Mesothelioma**  
Daniel Neville (Portsmouth, United Kingdom), Samal Gunatilake, Scott Elliot, Thomas Jones, Sharon Glaysheer, Selina Begum, Eleanor Lanning, Anoop Chauhan

- PA1586 Prognostic role of inflammatory cells in blood, pleural fluid and tumour samples, in patients with malignant pleural mesothelioma (MPM)**  
Duneesha De Fonseka (Bristol, United Kingdom), David Arnold, Anna Morley, Richard Daly, Nidhi Bhatt, Anthony Edey, Nick Maskell
- PA1587 Effects of Cisplatin and Pemetrexed on the cell viability and cell adhesion of benign mesothelial and mesothelioma cells.**  
Ourania Kotsiou (Larisa, Greece), Eleftherios Papazoglou, Rajesh Jagirdar, Chrissi Hatzoglou, Konstantinos Gourgoulis, Sotirios Zarogiannis
- PA1588 Investigation of CD14 with toll like receptors expression in pleural effusion for detection of thoracic disorders**  
Esmail Mortaz (Tehran, Islamic Republic of Iran), Guitti Pourdolat, Mohammad Mohammad Varahram, Payam Tabarsi, Parissa Farnia, Johan Garssen, Ian Adcock
- PA1589 Retrospective analysis of survival time in malignant pleural effusion requiring IPC insertion**  
Rachelle Ascik (Oxford, United Kingdom), Rob Hallifax, Rebecca Shakir, Nikolaos Kanellakis, Ioannis Psallidas, John Wrightson, Rachel Mercer, John Corcoran, Najib Rahman
- PA1590 Novel therapeutic strategies against malignant pleural mesothelioma by selumetinib-loaded targeted nanoparticles.**  
Giulia Maria Stella (Pavia, Italy), Emanuela Cova, Simona Inghilleri, Davide Piloni, Miriam Colombo, Laura Pandolfi, Simona Mrakic-Sposta, Ymera Pignochino, Angelo Corsico, Davide Porsperi, Patrizia Morbini, Federica Meloni
- PA1591 Trends in malignant pleural mesothelioma in Eskisehir province of Turkey from January 1990 to December 2016**  
Selma Metintas (Eskisehir, Turkey), Guntulu Ak, Muzaffer Metintas
- PA1592 Prognostic characteristics of malignant pleural mesothelioma**  
Muzaffer Metinta (Eskisehir, Turkey), Guntulu Ak, Selma Metintas
- PA1593 A retrospective 1 year analysis of our newly founded Pleural Service**  
Joy Creaser-Thomas (Swansea, United Kingdom), Jiwan Gurung, Sian Saha, Narendra Chinnappa
- PA1594 Does a posteriorly or interlobularly positioned chest tube really affect the success rate of pleurodesis?**  
Tomoyasu Takemura (Amagasaki, Hyogo, Japan), Yuki Kataoka
- PA1595 Outcomes of an elective day case tunnelled indwelling pleural catheter service**  
Yasser Madani (London, United Kingdom), Adeline Chia, Artemio Gonzales, Alina Ionescu
- PA1596 Efficacy of EGFR-TKI for malignant pleural effusion in lung adenocarcinoma patients**  
Chi-Li Chung (Taipei, Taiwan), Kai-Ling Lee, Shih-Hsin Hsiao

## Blue 2 (North)

## Session 186

14:45 - 16:45

## Poster Discussion: Primary care management of asthma and COPD

Chairs : Janwillem W. H. Kocks (Groningen, Netherlands), Rachel Jordan (Birmingham, United Kingdom)

- PA1597 Using the methacholine challenge to determine how psychological mechanisms impact asthma symptom perception and quality of life.**  
Ben Ainsworth (Southampton, United Kingdom), Hasina Khatun, Alannah Morgan, Matthew Harvey, Rosie Geale, Kerry Gove, Mike Thomas
- PA1598 Bronchial hyperresponsiveness in COPD: Impact on survival outcomes**  
Virginia Moya Alvarez (Madrid, Spain), Ismael Ali Garcia, Julio Hernandez Vazquez, Carmen Matesanz Ruiz, Jose María Bellon Cano, María Jesús Buendía García, Javier de Miguel Díez
- PA1599 A prediction model for exacerbations in patients with COPD generated in a Swiss multicenter COPD cohort study (TOPDOCS)**  
Simona Henny (Basel, Switzerland), Thomas Dieterle, Thomas Brack, Martin H Brutsche, Christian F Clarenbach, Adrian Egli, Ingmar Heijnen, Sarosh Irani, Martin Frey, Noriane Sievi, Robert Thurnheer, Marten Trendelenburg, Jörg Leuppi, Malcom Kohler
- PA1600 Insight into frequent asthma exacerbations from a primary care perspective and the implications of UK National Review of Asthma Deaths (NRAD) recommendations**  
Rekha Chaudhuri (Glasgow, United Kingdom), Neil C Thomson, Craig McCallum, Hugh O'Pray, Sean MacBride Stewart, Varun Sharma, Charles McSharry, Diane Murray, Malcolm Shepherd, Wai-Ting Nicola Lee, Stephen T Barclay
- PA1601 Features of severe asthma in primary care – an observational study**  
Gunilla Telg (Sodertalje, Sweden), Kjell Larsson, Björn Ställberg, Karin Lisspers, Gunnar Johansson, Christer Janson, Marcus Thuresson

- PA1602 Personalised prediction of future risk using early treatment response**  
Persijn Honkoop (Leiden, Netherlands), Suzanne Boer, Rik Loijmans, Tjard Schermer, Jiska Snoeck-Stroband, Jacob Sont
- PA1603 Estimating exacerbation rates from routine UK primary care data: an exploratory validation from the IMP2ART programme.**  
Chris Newby (Leicester, United Kingdom), Neil Wright, Sandra Eldridge, Susan Morrow, Erica Vince-Lawer, Francis Appiagyei, Tanith Hjelmberg, Derek Skinner, David Price, Stephanie J C Taylor, Hilary Pinnock
- PA1604 Empowering primary care patients with COPD in the context of multi-morbidity through the pilot APCOM self-management program**  
Sameera Ansari (Sydney, NSW, Australia), Hassan Hosseinzadeh, Sarah Dennis, Nicholas Zwar
- PA1605 A description of requests for self-management support among patients with COPD in Primary Health Care**  
Ann-Britt Zakrisson (Örebro, Sweden), Mats Arne, Mikael Hasselgren, Karin Lisspers, Lena Lundh, Hanna Sandelowsky, Björn Ställberg, Eva Thors Adolffson, Kersti Theander
- PA1606 Selfmanagement by eHealth in asthma and COPD patients: with or without the professional.**  
Esther Van Noort (Geertruidenberg, Netherlands), Marise Kasteleyn, Hans in 't Veen, Bianka Mennema, Niels Chavannes
- PA1607 Ethnic differences in asthma management in Australia**  
Michael J. Abramson (Melbourne, VIC, Australia), Angela C.S. Wan, Francis Thien, Mark Hew, Rosalie Aroni
- PA1608 Exploring patient and carer perspectives on asthma self-management: a qualitative study from the IMP2ART programme**  
Luke Daines (Edinburgh, United Kingdom), Susan Morrow, Sharon Wiener-Ogilvie, Elizabeth Steed, Stephanie Taylor, Hilary Pinnock
- PA1609 Local implementation of a pathway to manage malnourished COPD patients in the community**  
Natalie Kominek (, United Kingdom), Abbie Cawood, Lucy Janik, Linda Webb, Bridget Fitzsimmons, Rose Evill, Rebecca Stratton
- PA1610 Caring for Older People with Chronic Obstructive Pulmonary Disease: a Grounded Theory Study**  
Annamaria Bagnasco (Genoa, Italy), Francesca Rosa, Milko Zanini, Gianluca Catania, Nicoletta Dasso, Giuseppe Aleo, Luca Ghirotto, Loredana Sasso
- PA1611 Supporting COPD patients to access pulmonary rehabilitation with lay health workers: a feasibility study**  
Patrick T. White (London, United Kingdom), Gill Gilworth, Stephanie Taylor, Alison Wright, Simon Lewin, Nicholas Hopkinson, Lauren Hogg, Rachel Tufnell, Sally Singh, Nicholas Hart
- PA1612 General practitioners' beliefs and experiences when caring for patients with severe chronic obstructive pulmonary disease and refractory breathlessness**  
John Politis (Templestowe Lower, Australia), Peter Eastman, Brian Le, John Furler, Louis Irving, Natasha Smallwood
- PA1613 Asthma and COPD patient characteristics and illness perceptions related to inhaler technique**  
Esther I. Metting (Groningen, Netherlands), Marije Lieshout, Paul Hagedoorn, Siebrig Schokker, Ellen van Heijst, Titia Klemmeier, Miguel Roman-Rodriguez, Ioanna Tsilligianni, Thys van der Molen, Janwillem Kocks

**Purple (North) Session 190 17:00 - 17:50**

**Group members' meeting: Group 7.2 Paediatric asthma and allergy**

**Chairs :** Bart L. Rottier (Groningen, Netherlands), Alexander Möller (Zürich, Switzerland)

**Space 1 + 2 (South) Session 191 17:00 - 18:15**

**Assembly members' meeting: Assembly 11 Thoracic oncology**

**Chairs :** Nir Peled (Hod Hasharon, Israel), Bogdan Dragos Grigoriu (Bruxelles, Belgium)

**Amber 5 + 6 (South) Session 193 17:00 - 17:50**

**Assembly members' meeting: Assembly 9 Allied respiratory professionals**

**Aims :** The Ceremony for the ERS Travel Grant for Best Abstract in Clinical Respiratory Physiology will take place during the Assembly 9 Members' meeting.

**Chairs :** Irene Steenbruggen (Zwolle, Netherlands), Martijn A. Spruit (Horn, Netherlands)

**Amber 7 + 8 (South) Session 194 17:00 - 17:50**

**Group members' meeting: Group 6.3 Tobacco, smoking control and health education**

**Chairs :** Paraskevi Katsaounou (Athens, Greece), Sofia Belo Ravara (Covilhã, Portugal)

Turquoise 2 (North) Session 195 17:00 - 17:50

Group members' meeting: Group 6.2 Occupational and environmental health

**Chairs** : Paul Blanc (San Francisco, United States of America), Paul Cullinan (London, United Kingdom)

Suite 5 (South) Session 196 17:00 - 17:50

Group members' meeting: Group 7.3 Cystic fibrosis; 7.4 Paediatric Respiratory Infection and Immunology & 7.8 Lung and airway developmental biology

**Chairs** : Ian Balfour-Lynn (London, United Kingdom), Jürg Barben (St. Gallen, Switzerland), Mark Everard (Perth, WA, Australia), Vanessa Craven (Sheffield, United Kingdom), Robbert J. Rottier (Rotterdam, Netherlands), Silvia Carraro (Padova, PD, Italy)

Suite 7 (South) Session 197 17:00 - 17:50

Group members' meeting: Group 5.1 Airway pharmacology and treatment

**Chairs** : Reinoud Gosens (Groningen, Netherlands), Paul Kirkham (Wolverhampton, United Kingdom)

Suite 8 (South) Session 198 17:00 - 17:50

Group members' meeting: Groups 6.1 Epidemiology & 6.4 Genes and environment

**Chairs** : Anne Lindberg (Boden, Sweden), Jennifer Quint (Wimbledon, United Kingdom), H. Marika Boezen (Groningen, Netherlands), Erik Melén (Stockholm, Sweden)

Suite 9 (South) Session 199 17:00 - 17:50

Group members' meeting: Group 3.1 Molecular pathology and functional genomics

**Chairs** : Philippe Bonniaud (Dijon, France), Aurelie Fabre (Dublin, Ireland)

17:15-19:15

INDUSTRY EVENING SYMPOSIUM

SEE PAGE 1

17:30-19:00

INDUSTRY EVENING MINI SYMPOSIUM

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Amber 3 + 4 (South) Session 214 18:00 - 18:50

Group members' meeting: Group 9.2 Physiotherapists

**Chairs** : Daniel Langer (Leuven, Belgium), Chris Burtin (Diepenbeek, Belgium)

Amber 5 + 6 (South) Session 215 18:00 - 18:50

Group members' meeting: Group 9.3 Nurses

**Chairs** : Janelle Yorke (Manchester, United Kingdom), Anne-Marie Russell (London, United Kingdom)

Amber 7 + 8 (South) Session 216 18:00 - 18:50

Group members' meeting: Group 9.1 Respiratory function technologists/scientists

**Chairs** : Jellien Makonga-Braaksma (Woudenberg, Netherlands)

Turquoise 2 (North) Session 217 18:00 - 18:50

Group members' meeting: Group 1.2 Rehabilitation and chronic care

**Chairs** : Ioannis Vogiatzis (Athens, Greece), Frits M.E. Franssen (Horn, Netherlands)

Suite 5 (South) Session 218 18:00 - 18:50

Group members' meeting: Groups 7.5 Neonatology and paediatric intensive care; 7.6 Paediatric Respiratory Epidemiology & 7.7 Paediatric Bronchology

**Chairs** : Charles Christoph Roehr (Oxford, United Kingdom), Suzanne W.J. Terheggen-Lagro (Amsterdam, Netherlands), Bülent Taner Karadag (Istanbul, Turkey), Liesbeth Duijts (Rotterdam, Netherlands), Kostas Priftis (Haidari, Athens, Greece), Dirk Schramm (Dusseldorf, Germany), Deborah Snijders (Ponzano Veneto (TV), Italy)

Suite 8 (South) Session 220 18:00 - 18:50

Group members' meeting: Group 1.3 Imaging

**Chairs :** Aleksandar Grgic (Homburg, Germany), Johan Coolen (Leuven, Belgium)

Suite 9 (South) Session 221 18:00 - 18:50

Group members' meeting: Group 3.2 Airway cell biology and immunopathology

**Chairs :** Clifford Taggart (Belfast, United Kingdom), Silke Meiners (Munich, Germany)

**Yellow (North) Session 222 07:00 - 08:15***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Challenging clinical cases: CC3 Difficult-to-treat respiratory infections****Aims :** Access educational materials here

Two difficult cases will be described. One is a patient who was admitted to the ICU with pleural infection. The other is a patient with a difficult-to-treat pulmonary non-tuberculous mycobacterial infection.

**Track(s) :** Respiratory infections**Tag(s) :** Clinical**Target audience :** Clinician, Fellow, Intensivist/critical care physician, Junior member, Microbiologist, Paediatrician, Pulmonologist, Respiratory physician, Student, Thoracic surgeon**Chairs :** Charles Feldman (Johannesburg, South Africa)**Lung abscess that needs intervention**

Menno M. van der Eerden (Rotterdam, Netherlands)

**1700****Pulmonary non-tuberculous mycobacteria**

Mehdi Mirsaedi (Miami, United States of America)

**1701****Blue 1 (North) Session 224 07:00 - 08:15***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Challenging clinical cases: CC4 Severe asthma****Aims :** Access educational materials here

This session will focus on two challenging cases of patients who presented with severe asthma. It will address disease-specific challenges, including issues with compliance and risk management. The session will describe how the diagnosis was made and the pathogenetic mechanisms that may be involved. The aim is to increase knowledge about patients with severe asthma and the treatment approaches available.

**Track(s) :** Chronic airway diseases**Tag(s) :** Clinical**Target audience :** Clinician, Junior member, Nurse, Paediatrician, Researcher, Resident, Respiratory physician, Student, Trainee**Chairs :** Elisabeth H.D. Bel (Amsterdam, Netherlands)**Case 1**

Pascal Chanez (Marseille, France)

**1706****Case 2**

Andrew Menzies-Gow (London, United Kingdom)

**1707****Blue 2 (North) Session 225 07:00 - 08:15***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Challenging clinical cases: CC5 Paediatric non-invasive ventilation****Non-invasive ventilation in chronic respiratory insufficiency****Aims :** Access educational materials here

This session will focus on two challenging cases that involve paediatric non-invasive ventilation. It will address disease-specific challenges, including the hurdles in implementation and risk management.

**Track(s) :** Acute and chronic respiratory failure/sleep**Tag(s) :** Paediatric**Target audience :** Clinician, Intensivist/critical care physician, Junior member, Nurse, Paediatrician, Physiologist, Physiotherapist, Researcher, Resident, Respiratory physician, Sleep specialist/technologist, Student, Trainee**Chairs :** Hui Leng Tan (London, United Kingdom)**Non-invasive ventilation in a paediatric patient with a craniofacial disorder**

Brigitte Fauroux (Paris, France)

**1708****Non-invasive ventilation in a paediatric patient with a neuromuscular disorder**

Francois Abel (London, United Kingdom)

**1709**

**Green 3 (North) Session 227 08:00 - 10:20***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Skills workshop: SW7 Cardiopulmonary exercise test interpretation: tips and pitfalls****Aims :** Access educational materials here

To identify “typical” patterns of response to cardiopulmonary exercise testing and to show how to discriminate these from “anomalous” response profiles that can cause misinterpretation of test results.

**Track(s) :** Exercise, rehabilitation and physiology**Tag(s) :** Basic translational science**Target audience :** Allied health professional, Cardiologist, Fellow, Lung function technician, Physiologist, Physiotherapist, Pulmonologist, Researcher, Respiratory physician, Respiratory therapist, Scientist, Student**Chairs :** Susan Ward (Crickhowell, United Kingdom)

<b>Introduction</b>	<b>1715</b>
<b>Oxygen uptake: relationship between work and uptake rate</b> Richard Casaburi (Rancho Palos Verdes, United States of America)	<b>1716</b>
<b>Anaerobic/lactate threshold</b> Harry Rossiter (Hermosa Beach, United States of America)	<b>1717</b>
<b>Breathing pattern and dynamic hyperinflation</b> Denis O'Donnell (Kingston, ON, Canada)	<b>1718</b>
<b>Ventilatory efficiency</b> Paolo Onorati (Alghero, Italy)	<b>1719</b>

**Green 1 (North) Session 226 08:00 - 10:20***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Skills workshop: SW8 Endoscopy****Aims :** Access educational materials here

To provide a comprehensive overview of and provide skills training in different endoscopic procedures.

**Tag(s) :** Clinical**Target audience :** Clinician, Fellow, Junior member, Oncologist, Pulmonologist, Respiratory physician, Respiratory therapist, Thoracic endoscopist**Chairs :** Felix J.F. Herth (Heidelberg, Germany)

<b>Introduction</b>	<b>1710</b>
<b>Endoscopic lung volume reduction with valves</b> Sebastian Fernandez Bussy (SANTIAGO, Chile)	<b>1711</b>
<b>Targeted lung denervation</b> Dirk-Jan Slebos (Groningen, Netherlands)	<b>1712</b>
<b>Stenting</b> Maren Schuhmann (Heidelberg, Germany)	<b>1713</b>
<b>Endobronchial ultrasound</b> Jouke T. Annema (Amsterdam, Netherlands)	<b>1714</b>

**Green 3 (North) Session 253 10:40 - 13:00***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Skills workshop: SW9 Cardiopulmonary exercise test interpretation: tips and pitfalls****Aims :** Access educational materials here

To identify “typical” patterns of response to cardiopulmonary exercise testing and to show how to discriminate these from “anomalous” response profiles that can cause misinterpretation of test results.

**Track(s) :** Exercise, rehabilitation and physiology**Tag(s) :** Basic translational science**Target audience :** Allied health professional, Cardiologist, Fellow, Lung function technician, Physiologist, Physiotherapist, Pulmonologist, Researcher, Respiratory physician, Respiratory therapist, Scientist, Student**Chairs :** Denis O'Donnell (Kingston, ON, Canada)

<b>Introduction</b>	<b>1908</b>
<b>Oxygen uptake: relationship between work and uptake rate</b> Paolo Palange (Rome, Italy)	<b>1909</b>
<b>Anaerobic/lactate threshold</b> Susan Ward (Crickhowell, United Kingdom)	<b>1910</b>
<b>Breathing pattern and dynamic hyperinflation</b> Denis O'Donnell (Kingston, ON, Canada)	<b>1911</b>
<b>Ventilatory efficiency</b> J. Alberto Neder (Kingston, ON, Canada)	<b>1912</b>

## Green 1 (North) Session 252 10:40 - 13:00

Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.

### Skills workshop: SW10 Endoscopy

**Aims :** Access educational materials here

To provide a comprehensive overview of and provide skills training in different endoscopic procedures.

**Tag(s) :** Clinical

**Target audience :** Clinician, Fellow, Junior member, Oncologist, Pulmonologist, Respiratory physician, Respiratory therapist, Thoracic endoscopist

**Chairs :** Pallav L. Shah (London, United Kingdom)

<b>Introduction</b>	<b>1903</b>
<b>Endoscopic lung volume reduction with valves</b> Daniela Gompelmann (Heidelberg, Germany)	<b>1904</b>
<b>Targeted lung denervation</b> Arschang Valipour (Wien, Austria)	<b>1905</b>
<b>Stenting</b> Alexander Chen (St. Louis, United States of America)	<b>1906</b>
<b>Endobronchial ultrasound</b> Lars Konge (Virum, Denmark)	<b>1907</b>

## Green 3 (North) Session 340 14:30 - 16:50

Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.

### Skills workshop: SW11 Cardiopulmonary exercise test interpretation: tips and pitfalls - FULLY BOOKED

**Aims :** To identify “typical” patterns of response to cardiopulmonary exercise testing and to show how to discriminate these from “anomalous” response profiles that can cause misinterpretation of test results.

**Track(s) :** Exercise, rehabilitation and physiology

**Tag(s) :** Basic translational science

**Target audience :** Allied health professional, Cardiologist, Fellow, Lung function technician, Physiologist, Physiotherapist, Pulmonologist, Researcher, Respiratory physician, Respiratory therapist, Scientist, Student

**Chairs :** Susan Ward (Crickhowell, United Kingdom)

<b>Introduction</b>	<b>2860</b>
<b>Oxygen uptake: relationship between work and uptake rate</b> Richard Casaburi (Rancho Palos Verdes, United States of America)	<b>2861</b>
<b>Anaerobic/lactate threshold</b> Harry Rossiter (Hermosa Beach, United States of America)	<b>2862</b>
<b>Breathing pattern and dynamic hyperinflation</b> J. Alberto Neder (Kingston, ON, Canada)	<b>2863</b>
<b>Ventilatory efficiency</b> Paolo Onorati (Alghero, Italy)	<b>2864</b>



**Green 1 (North) Session 338 14:30 - 16:50***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Skills workshop: SW12 Endoscopy****Aims :** To provide a comprehensive overview of and provide skills training in different endoscopic procedures.**Tag(s) :** Clinical**Target audience :** Clinician, Fellow, Junior member, Oncologist, Pulmonologist, Respiratory physician, Respiratory therapist, Thoracic endoscopist**Chairs :** Felix J.F. Herth (Heidelberg, Germany)

<b>Introduction</b>	<b>2848</b>
<b>Endoscopic lung volume reduction with valves</b> Sebastian Fernandez Bussy (SANTIAGO, Chile)	<b>2849</b>
<b>Targeted lung denervation</b> Dirk-Jan Slebos (Groningen, Netherlands)	<b>2850</b>
<b>Stenting</b> Alexander Chen (St. Louis, United States of America)	<b>2851</b>
<b>Endobronchial ultrasound</b> Lars Konge (Virum, Denmark)	<b>2852</b>

**Green 2 (North) Session 249 09:00 - 10:30***Registration for this session is additional to the congress registration fee and is €49 on site, €43 standard.***Professional development workshop: PDW4 Patient involvement in medical projects****Aims :** Access educational materials here

- To explore why patient involvement is important in the development of clinical practice guidelines and research studies, and the evidence that shows it is effective
- To understand the strengths and challenges of involving patients in ERS Task Forces and CRCs, through the experiences of professionals and patients working together in current projects
- To explore the different ways in which patients can provide input, and how to select the most appropriate method to maximise impact
- For participants to plan, through practical discussions, patient involvement in their current or proposed Task Force, CRC or other research project.

**Tag(s) :** Clinical**Target audience :** Allergologist, Allied health professional, Anaesthesiologist, Cardiologist, Clinician, Educationalist, Emergency medicine doctor, Epidemiologist, Fellow, General practitioner, Immunologist, Intensivist/critical care physician, Junior member, Lung function technician, Microbiologist, Neonatologist, Nurse, Occupational therapist, Oncologist, Otolaryngologist, Paediatrician, Pathologist, Patient, Pharmaceutical industry representative, Physiologist, Physiotherapist, Psychologist, Public health official, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Sleep specialist/technologist, Social worker, Student, TB specialist, Thoracic endoscopist, Thoracic surgeon, Trainee**Chairs :** James D. Chalmers (Dundee, United Kingdom), Joan Jordan (, Ireland)

<b>09:00</b>	<b>Introduction</b>	<b>1897</b>
<b>09:05</b>	<b>Lightening lecture - What is patient involvement and what value can it bring?</b> Joan Jordan (, Ireland)	<b>1898</b>
<b>09:20</b>	<b>Master lecture - Professional and patient perspectives on involvement</b> James D. Chalmers (Dundee, United Kingdom), Marta Almagro (BARCELONA, Spain)	<b>1899</b>
<b>09:40</b>	<b>Workshop - Putting it into practice: planning patient involvement in your project</b> James D. Chalmers (Dundee, United Kingdom), Marta Almagro (BARCELONA, Spain), Joan Jordan (, Ireland)	<b>1900</b>

**Green 2 (North) Session 274 11:00 - 12:30***Registration for this session is additional to the congress registration fee and is €49 on site, €43 standard.***Professional development workshop: PDW5 Medical Writing****Aims :** Access educational materials here

The aim of this 90-minute workshop is are to give a short overview on the art of medical writing.

**Chairs :** Gilbert Massard (Strasbourg, France)

<b>11:00</b>	<b>Welcome round and short presentation of ESTS educational offer</b> Gilbert Massard (Strasbourg, France)
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11:15	<b>Why should be publish? How to handle your data.</b> Enrico Ruffini (Torino, To, Italy)
11:35	<b>Different types of publication and general rules</b> Gilbert Massard (Strasbourg, France)
12:05	<b>From submission to publication: the editorial cycle. How to get my abstract accepted in an international conference.</b> Enrico Ruffini (Torino, To, Italy)
12:25	<b>Conclusions</b> Gilbert Massard (Strasbourg, France), Enrico Ruffini (Torino, To, Italy)

## Green 2 (North) Session 339 14:30 - 16:00

Registration for this session is additional to the congress registration fee and is €49 on site, €43 standard.

### Professional development workshop: PDW6 Be an effective team leader and member

**Aims :** Participants will increase their ability to:

- Identify characteristics of effective and ineffective teams, team leaders and team members
- Identify their own and other's style of team interaction and how to bridge across styles
- Utilize skills in relationship building, managing differences, building trust, and collaboration
- Collaboratively lead and participate in healthcare teams

**What Makes a Healthcare Team Effective?- Experiential team exercise: Helicopter Escape- Identifying characteristics of high performing healthcare teams, leaders, and players- Barriers to healthcare team development: excess turf protection, dominant personalities, stagnation, misaligned incentives- Discussion: What are the biggest challenges you face in building a team in your healthcare setting?** 2853  
Louellen N. Essex (Wayzata, United States of America)

**Stages of Team Development and How to Lead and Participate Effectively through Each: Emotions, Behaviors and Tasks1. Form- Establishing goals, roles, and ground rules for interaction- Building relationships and dealing with hierarchy of positions- Identifying yours and others' preferred style: Thinker, Doer, Feeler, and Intuitor- Self-assessment checklist: What is your preferred style?** 2854  
Louellen N. Essex (Wayzata, United States of America)

**Stages of Team Development and How to Lead and Participate Effectively through Each: Emotions, Behaviors and Tasks2. Storm- Managing conflict and learning to jointly solve problems- Effectively listening and responding- Creating an open communication environment to prevent mishaps- Raising issues with one another while minimizing defensiveness- Skill practice exercise in raising issues: What would you say and do in these situations? • When a team member misses deadlines • A team member is disrespectful toward other team members • A team member is about to make a mistake** 2855  
Louellen N. Essex (Wayzata, United States of America)

**Stages of Team Development and How to Lead and Participate Effectively through Each: Emotions, Behaviors and Tasks3. Norm- Avoiding complacency- Evaluating the team's processes • The "Teamability" Questionnaire – a tool to use with your own team- Making sure productivity is on track - Creating a motivating work environment through support and recognition** 2856  
Louellen N. Essex (Wayzata, United States of America)

**Stages of Team Development and How to Lead and Participate Effectively through Each: Emotions, Behaviors and Tasks4. Perform- Stretching goals- Continually improving and learning** 2857  
Louellen N. Essex (Wayzata, United States of America)

**Q and A** 2858  
Louellen N. Essex (Wayzata, United States of America)

**Action Planning: How will we apply what we've learned?** 2859  
Louellen N. Essex (Wayzata, United States of America)

## Amber 3 + 4 (South) Session 324 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.

### Meet the expert: ME5 Update on community-acquired pneumonia

**Aims :** To review and discuss the current literature on community-acquired pneumonia. The main topics include (1) key pathogens, (2) site of care issues, (3) diagnosis, and (4) treatment, including both antimicrobial and adjunctive measures.

**Track(s) :** Respiratory infections**Tag(s) :** Clinical**Target audience :** Clinician, Emergency medicine doctor, Epidemiologist, Fellow, General practitioner, Immunologist, Intensivist/critical care physician, Junior member, Microbiologist, Researcher, Resident, Respiratory physician, Scientist, Student, Trainee**Chairs :** Lieuwe Bos (Amsterdam, Netherlands)**13:00 Update on community-acquired pneumonia**  
Lionell Mandell (Toronto, Canada)**2824****Amber 7 + 8 (South)****Session 326****13:00 - 14:00***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Meet the expert: ME6 Heart failure-COPD overlap and cardiovascular responses to exercise: a cardiologist's perspective****Aims :** COPD and chronic heart failure (CHF) coexist in approximately one of three elderly patients with a primary diagnosis of either disease. Despite this, the pathophysiological consequences of the COPD-CHF overlap remain to be clarified. The aim of this Meet the Expert session is to provide a comprehensive understanding of the pathophysiological consequences of this overlap.**Track(s) :** Chronic airway diseases Exercise, rehabilitation and physiology**Tag(s) :** Clinical**Target audience :** Cardiologist, Clinician, Physiologist, Physiotherapist, Pulmonologist, Respiratory physician, Respiratory therapist**13:00 Heart failure-COPD overlap and cardiovascular responses to exercise: a cardiologist's perspective**  
Piergiuseppe Agostoni (Milan, Italy)**2825****Suite 7 (South)****Session 327****13:00 - 14:00***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Meet the expert: ME7 High altitude medicine****Aims :** To better understand the immediate adjustments and acclimatisation mechanisms to high altitude. These adjustments are known to involve the respiratory and cardiovascular systems. However, recent studies show that high altitude also affects the cerebral vascular system and cognition. The relevance of hypoxia-induced changes in respiratory diseases will be discussed.**Track(s) :** Interstitial lung disease and vascular disease Acute and chronic respiratory failure/sleep**Tag(s) :** Basic translational science**Target audience :** Anaesthesiologist, Cardiologist, Clinician, Emergency medicine doctor, Fellow, General practitioner, Intensivist/critical care physician, Junior member, Physiologist, Radiologist, Researcher, Scientist**Chairs :** Sébastien Baillieux (Echirolles, France)**13:00 High altitude medicine**  
Samuel Vergès (Grenoble, France)**2826****Suite 8 (South)****Session 328****13:00 - 14:00***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Meet the expert: ME8 Selection criteria in marginal lung cancer candidates****Aims :** To increase awareness about the expanding pool of marginal candidates for lung cancer surgery. This pool includes patients with moderate to severe COPD, septuagenarians and octogenarians, patients with previous coronary surgery or stenting, and patients with previous pleural empyema or persisting intrapulmonary infection. Patients with a lung cancer recurrence also belong to this group. Adequate preoperative work up includes several medical specialties. The overall aim of the presentation is to provide an updated overview of the classical and novel technological tools that facilitate the preoperative selection of patients who are unfit for surgery.**Track(s) :** Lung cancer**Target audience :** Allied health professional, Anaesthesiologist, Cardiologist, Clinician, Junior member, Oncologist, Pulmonologist, Resident, Respiratory physician, Thoracic surgeon, Trainee**Chairs :** Chair to be confirmed**13:00 Selection criteria in marginal lung cancer candidates**  
Dragan R. Subotic (Basel, Switzerland)**2827****07:00-08:15****INDUSTRY EARLY MORNING SYMPOSIUM****SEE PAGE 1**

## Gold (South) Session 228 08:30 - 10:30

## Grand Round: GR4 Clinical Grand Round: always the same, really?

Interactive case based discussion of challenging cases

**Aims :** Based on the cases the presenters will describe cases which seem easy on the first look. Going in the details a couple of hurdles appeared and solutions will be discussed with the audience**Track(s) :** Respiratory infections Chronic airway diseases**Tag(s) :** Clinical**Chairs :** Maria Bonsignore (Palermo, PA, Italy), Aran Singanayagam (London, United Kingdom)

08:30	<b>A case on unexplained dyspnea and exercise intolerance: the role of CPET</b> Paolo Palange (Rome, Italy)	1720
09:00	<b>To be (Tb) or not to be (Tb)</b> Jan Heyckendorf (Hamburg, Germany)	1721
09:30	<b>Managing difficult to treat P-NTM: boredom or challenge</b> Luigi Ruffo Codecasa (Milan, Italy)	1722
10:00	<b>Sounds like Asthma, looks like Asthma, treated as Asthma – but is it really Asthma?</b> Daniela Gompelmann (Heidelberg, Germany)	1723

## Auditorium (South) Session 229 08:30 - 10:30

## Symposium: State of the art session: "Lung cancer"

**Aims :** This session will provide the state-of-the-art in the following key issues of lung cancer:

- screening for lung cancer
- diagnostic procedures and interventional endoscopic measures
- treatment of non-small cell lung cancer
- integration of palliative care

**Track(s) :** Lung cancer**Tag(s) :** Clinical**Target audience :** Allied health professional, Anaesthesiologist, Clinician, Fellow, General practitioner, Immunologist, Intensivist/critical care physician, Junior member, Nurse, Oncologist, Pathologist, Physiologist, Psychologist, Public health official, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Thoracic endoscopist, Thoracic surgeon, Trainee**Chairs :** Joanna Chorostowska-Wynimko (Warszawa, Poland), Jan van Meerbeeck (Edegem (Antwerp), Belgium)

08:30	<b>Screening for lung cancer through a nation-wide program - lessons learned and moving forward</b> Hans-Ulrich Kauczor (Heidelberg, Germany)	1724
09:00	<b>Diagnostic procedures and interventional endoscopic measures in lung cancer</b> Ralf Eberhardt (Heidelberg, Germany)	1725
09:30	<b>Treatment of non-small cell lung cancer (NSCLC) - the state of the art and beyond</b> Nir Peled (Hod Hasharon, Israel)	1726
10:00	<b>Palliative care throughout the lung cancer continuum</b> Robert Milroy (Glasgow, United Kingdom)	1727

## Silver (North) Session 230 08:30 - 10:30

## Session: Towards personalised medicine for airways diseases: Deep phenotyping using omics approaches will revolutionise future treatment strategies

A joint ERS/EASYM/CompMed session

**Aims :** After this session the audience will have gained a better understanding of the need for personalised medicine in chronic airways diseases such as asthma and COPD; received a state-of-the-art knowledge on systems biology concepts, the importance of standardised data collection and analysis in the context of genetics, epigenetics, metabolomics and microbiome; and an update on how this approach has led to new understanding of disease mechanisms and lead to new therapies for children and adults.**Track(s) :** Chronic airway diseases**Tag(s) :** Basic translational science, Clinical**Target audience :** Allergologist, Allied health professional, Clinician, Fellow, General practitioner, Immunologist, Junior member, Lung function technician, Nurse, Paediatrician, Patient, Pharmaceutical industry representative, Public health official, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Social worker, Student, Trainee

**Chairs :** Peter J. Sterk (Amsterdam, Netherlands), Silvia Carraro (Padova, PD, Italy)

<b>08:30</b>	<b>Personalised prevention of childhood asthma</b> Hans Bisgaard (Hellerup, Denmark)	<b>1728</b>
<b>09:00</b>	<b>The systems medicine toolbox</b> Bertrand De Meulder (LYON, France)	<b>1729</b>
<b>09:30</b>	<b>Systems medicine of COPD</b> Josep Roca Torrent (Barcelona, Spain)	<b>1730</b>
<b>10:00</b>	<b>Systems biology in respiratory medicine: bringing the pieces together</b> Anke-Hilse Maitland-van der Zee (Amsterdam, Netherlands)	<b>1731</b>

**Bronze (Hall 4) Session 231 08:30 - 10:30**

**Session: Open questions in pulmonary vascular diseases**

**A joint ERS/ESC session**

**Aims :** During the last five years, an incredible advance has been witnessed in the management of pulmonary vascular diseases, with the development of new therapeutical strategies and also new treatment modalities. Along with this rapidly changing scenario, there are many special questions that need to be better addressed. The aim of this joint symposium is to highlight the existing data regarding this questions, pointing out the research perspectives for the near future.

**Track(s) :** **Interstitial lung disease and vascular disease**

**Tag(s) :** Clinical

**Target audience :** Cardiologist, Pulmonologist, Clinician

**Chairs :** Irene Lang (Wien, Austria), Rogério De Souza (Sao Paulo/Sp, Brazil)

<b>08:30</b>	<b>Ceremony for the ERS Pulmonary Arterial Hypertension Lifetime Achievement Research Award</b> Rogério De Souza (Sao Paulo/Sp, Brazil)	<b>1732</b>
<b>08:40</b>	<b>Special Lecture: Anorectic drugs and pulmonary circulation - a tribute to François Brenot</b> Gérald Simonneau (Le Kremlin-Bicêtre, France)	<b>1733</b>
<b>09:07</b>	<b>Duration of treatment in acute pulmonary embolism: time for a change?</b> David Jiménez Castro (Madrid, Spain)	<b>1734</b>
<b>09:34</b>	<b>Different treatment modalities in chronic thromboembolic pulmonary hypertension: how to combine them?</b> Olivier Sitbon (Le Kremlin-Bicêtre, France)	<b>1735</b>
<b>10:02</b>	<b>Pulmonary vein stenosis after pulmonary vein isolation for atrial fibrillation: diagnosis and treatment</b> Nazzareno Galiè (Bologna, BO, Italy)	<b>1736</b>

**Beige (South) Session 232 08:30 - 10:30**

**Symposium: Air travel for respiratory patients**

**ERS/ELF joint session**

**Aims :** The session will give a better understanding of patient perspectives and their needs when travelling with a lung condition by air; describe the barriers to air travelling from the perspective of an airline; explore clinical considerations in the assessment of fitness to fly for respiratory patients; and provide a better understanding of how to improve levels of quality of care for respiratory patients planning to travel by air.

**Chairs :** Dan Smyth (Dundalk, Ireland), Karl Sylvester (Cambridge, United Kingdom)

<b>08:30</b>	<b>Challenges to travelling with a lung condition: a patient perspective</b> Matthew Rutter (Cambridge, United Kingdom)	<b>1737</b>
<b>09:00</b>	<b>Airline policies for using oxygen on a flight</b> Roberto Castiglioni (London, United Kingdom)	<b>1738</b>
<b>09:30</b>	<b>Managing hypoxia and assessments of respiratory patients</b> Robina K. Coker (London, United Kingdom)	<b>1739</b>
<b>10:00</b>	<b>Improving the air travel experience for patients who require oxygen</b> Andy Webb (Brussels, Belgium)	<b>1740</b>

**Black (North)** Session 233 08:30 - 10:30**Session: Management of Hospital-Acquired Pneumonia (HAP)/Ventilator-associated pneumonia (VAP)****Results of the ERS/ESCIM/ESCMID/ALAT Guidelines****Aims :** To review in depth the current epidemiology of HAP and VAP

To review in perspective and give new insights about the diagnosis of HAP/VAP

To show the new International ERS/ESCIM/ECCMID/ALAT recommendations

To discuss antibiotic treatment of HAP/VAP beyond guidelines including new options

**Track(s) :** Respiratory infections**Tag(s) :** Clinical**Target audience :** Anaesthesiologist, Clinician, Epidemiologist, Intensivist/critical care physician, Junior member, Microbiologist, Pulmonologist, Researcher, Respiratory physician, Scientist**Chairs :** Tobias Welte (Hannover, Germany), Gianluigi Li Bassi (Barcelona, Spain)

08:30	<b>Epidemiology of HAP/VAP: The real burden</b> Ignacio Martin-Loeches (Dublin 8, Ireland)	1741
09:00	<b>Diagnosis of HAP/VAP today</b> Jean Chastre (PARIS, France)	1742
09:30	<b>International Recommendations for HAP and VAP</b> Antoni Torres (Barcelona, Spain)	1743
10:00	<b>Antibiotic treatment considerations beyond guidelines</b> Michael S Niederman (New York, United States of America)	1744

**Purple (North)** Session 234 08:30 - 10:30**Symposium: Lung tissue repair and remodelling in chronic lung diseases: mechanisms and therapeutic approaches****ERS Lung Science Conference session****Aims :** Chronic lung diseases associate with repair and often a dramatic remodelling of the airways and lung tissue. The aim of this symposium is to present the current knowledge about these processes and describe the diagnostic and therapeutic options that are based on this knowledge.**Track(s) :** Chronic airway diseases Interstitial lung disease and vascular disease**Tag(s) :** Basic translational science**Target audience :** Allied health professional, Clinician, Fellow, General practitioner, Immunologist, Junior member, Lung function technician, Nurse, Paediatrician, Pathologist, Patient, Pharmaceutical industry representative, Physiologist, Physiotherapist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, Thoracic endoscopist, Thoracic surgeon, Trainee**Chairs :** Catherine Greene (Dublin, Ireland), Sabine Bartel (Borstel, Germany), Rachel Chambers (London, United Kingdom)

08:30	<b>Wnt signalling in lung repair and remodelling</b> Melanie Koenigshoff (Denver, United States of America)	1745
09:00	<b>Epithelial stem cells and airway tissue engineering</b> Sam Janes (London, United Kingdom)	1746
09:30	<b>The role of basal cells in the aberrant repair of the epithelium in COPD</b> Renat R. Shaykhiev (New York, United States of America)	1747
10:00	<b>Identifying remodelling and therapeutic targets using a small airway-on-a-chip</b> Remi Villenave (Boston, United States of America)	1748

**Red (North)** Session 235 08:30 - 10:30**Hot topics: Hot topic on tobacco prevention and cessation****Tag(s) :** Smoking prevention and cessation (HLfL)**Target audience :** Allied health professional, Epidemiologist, Junior member, Lung function technician, Occupational therapist, Trainee, General practitioner**Chairs :** Carlos Andres Jimenez Ruiz (Madrid, Spain), Wendy Preston (Coventry, United Kingdom), Elif Dagli (Istanbul, Turkey)

08:30	<b>Smoking Cessation, the most cost effective intervention for the most preventable mortality and morbidity burden</b> Sofia Belo Ravara (Covilhã, Portugal)	1749
09:00	<b>WHO and Tobacco Control. Joining efforts with ERS</b> Prasad Vinayak Mohan (Geneva, Switzerland)	1750
09:30	<b>Updating the knowledge and new evidence on e-cigarette use</b> Paraskevi Katsaounou (Athens, Greece)	1751
10:00	<b>What is known and what is not known about heat-non-burn tobacco products?</b> Charlotta Pisinger (Glostrup, Denmark)	1752

## Space 1 + 2 (South) Session 236 08:30 - 10:30

Oral Presentation: New insights into the understanding of sleep and the consequences of sleep apnoea

Chairs : Yuksel Peker (Istanbul, Turkey), Silke Ryan (Dublin 14, Ireland)

OA1753	<b>The effect of activating serotonergic neurons in the dorsal raphe nucleus on control of vigilance state</b> Rika Moriya (Ota, Tokyo, Japan), Mitsuko Kanamaru, Naoki Ookuma, Kenji F Tanaka, Masahiko Izumizaki, Hiroshi Onimaru, Akira Yoshikawa, Satoshi Hokari, Yasuyoshi Oshima
OA1754	<b>Aged mice obstructive sleep apnoea model with spontaneous tumorigenesis: physiological parameters</b> Ana Obeso (VALLADOLID, Spain), Teresa Gallego-Martin, Ana Gordillo, Elvira Gonzalez-Obeso, Elena Olea, Inmaculada Docio, Isaac Almendros, Asunción Rocher
OA1755	<b>Characterization of IH-induced cardiac remodeling and contractile dysfunction in a rat model of post-ischemic heart failure</b> Guillaume Bourdier (Grenoble, France), Claire Arnaud, Maximin Détrait, Stéphane Doutreleau, Jean-Louis Pépin, Elise Bélaidi-Corsat
OA1756	<b>Genome-wide methylation profile and gene expression in Obstructive Sleep Apnoea</b> Jose M. Marin Trigo (Zaragoza, Spain), David Sanz-Rubio, Ana V. Gil, Arianne Sanz, Luis Varona, Rosa Bolea, Inmaculada Martin-Burriel, Hicham Filali
OA1757	<b>Cell-free DNA and nucleosomes are increased in sera of patients with Obstructive Sleep Apnoea.</b> Núria Toledo Pons (PALMA DE MALLORCA, Spain), Maria Cerdà Moncadas, Núria Toledo Pons, Monica De la Peña Bravo, Josep Miquel Bauçà Rosselló, Laura Fueyo Ramírez, Dani Morell García, Javier Pierola Lopetegui, Maria Paloma Gimenez Carrero, Antonia Barceló Bennisar
OA1758	<b>Autoantibody against NBL1 in obstructive sleep apnea patients with cardiovascular disease</b> Takuma Matsumura (Chiba, Japan), Jiro Terada, Taku Kinoshita, Yoriko Sakurai, Misuzu Yahaba, Kenji Tsushima, Seiichiro Sakao, Koichiro Tatsumi, Reiko Kunii
OA1759	<b>Association between ADAMTs proteinases and Obstructive Sleep Apnea</b> Nurhan Sarioglu (BALIKESIR, Turkey), Fuat Erel, Adnan Adil Hımiogullari, Celalettin Cevik

## Space 3 + 4 (South) Session 237 08:30 - 10:30

Oral Presentation: Paediatric bronchology

Chairs : Petr Pohunek (Prague, Czech Republic), Kostas Priftis (Haidari, Athens, Greece)

OA1760	<b>PCD Diagnosis by Super resolution (3DSIM) microscopy</b> Sharon Dell (Toronto, ON, Canada), Zhen Liu, Quynh Nguyen, Vito Mennella
OA1761	<b>Speed up PCD diagnosis: a quick screening test for recurrent respiratory infections in children</b> Deborah Snijders (Ponzano Veneto (TV), Italy), Roberta Cenedese, Angelo Barbato, Luigia Brunetti, Maria Pia Natale, Valentina Tranchino, Giuseppina Annicchiarico
OA1762	<b>A European centre study on the utility and safety of EBUS-TBNA in a paediatric population</b> Haider Al-Najjar (Manchester, United Kingdom), Omendra Narayan, Durgesh Rana, Nadira Narine, David Shelton, Muhammad Qasim, Kashif Khan, Miles Holbrook, Simon Bailey
OA1763	<b>Lung function and fitness in children treated for Post-infectious Bronchiolitis Obliterans</b> Yagmur Sisman (København, Denmark), Frederik Buchvald, Kim Gjerum Nielsen

**OA1764 Pulmonary alveolar proteinosis and long-term outcome after bronchopulmonary lavage**  
Atefeh Abedini (Tehran, Islamic Republic of Iran), Maryam Hassanzad, Sabereh Tashayoi-Nejad, Farahnaz Aghahosseini, Ali Akbar Velayati

**OA1765 "European network for translational research in children's and adult interstitial lung disease". A COST Action to keep working.**  
Deborah Snijders (Ponzano Veneto (TV), Italy), Matthias Griese, Andrew Bush, Steve Cunningham

**OA1766 Thoracic lymphatic embolization as treatment of plastic bronchitis associated with congenital heart disease**  
Ignacio Iglesias Serrano (BARCELONA, Spain), Mercedes Pérez Lafuente, Antoni Segarra Medrano, Antonia Pijuan Domenech, Dimpna Albert Brotons, Sandra Rovira Amigo, Alba Torrent Vernetta, Ines de Mir Messa, Silvia Gartner Tizzano, Antonio Moreno Galdó

## Pink (South)

## Session 238

08:30 - 10:30

## Oral Presentation: Assessing and targeting functional outcomes in respiratory physiotherapy

Chairs : Celso Ricardo Fernandes de Carvalho (Sao Paulo/Sp, Brazil), Rachael A. Evans (Market Harborough, United Kingdom)

**OA1767 Personalised prehabilitation in high-risk patients undergoing elective major abdominal surgery: a randomised controlled trial**  
Anael Barberan-Garcia (Barcelona, Spain), Marta Ubre, Josep Roca, Antonio M Lacy, Felip Burgos, Raquel Risco, Dulce Momblan, Jaume Balust, Isabel Blanco, Graciela Martinez-Palli

**OA1768 Randomized controlled trial of an intervention to facilitate early mobilization after colorectal surgery: Impact on postoperative pulmonary function and complications**  
Julio Flavio Fiore Jr (Montreal, Canada), Tanya Castelino, Nicolo Pecorelli, Petru Nicoliseanu, Mohsen Alhashemi, Olivia Hershorn, Sender Liberman, Patrick Charlebois, Barry Stein, Franco Carli, Nancy E Mayo, Liane S Feldman, Saba Balvardi

**OA1769 Randomized controlled trial of chest physiotherapy in infants with viral acute bronchiolitis**  
Patricio Gomolan (Santiago, Chile), Ana Castro, Francisca Varas, Jaime Leppe, Luis Vega

**OA1770 Non-invasive ventilation for the management of acute hypercapnic respiratory failure due to exacerbation of chronic obstructive pulmonary disease: a Cochrane review update.**  
Christian Osadnik (Melbourne, VIC, Australia), Vanessa Tee, Kristin Carson, Joanna Picot, Jadwiga Wedzicha, Brian Smith

**OA1771 Six years health status and physiological function evolution in subjects with preclinical COPD**  
Fernanda Rodrigues (Leuven, Belgium), Matthias Loeckx, Heleen Demeyer, Miek Hornikx, Hans van Remoortel, Wim Janssens, Thierry Troosters

**OA1772 Is the 1-minute sit-to-stand test related to respiratory muscle strength in patients with COPD?**  
Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Sara Miranda, Ana Machado, Hélder Melro, Ana Oliveira, Carla Valente

**OA1773 Normative values for the Unsupported Upper Limb Exercise (UULEX) test and 6-min Pegboard and Ring test (6PBRT) in healthy Canadian adults**  
Vanessa Lima (DIAMANTINA, Brazil), Dina Brooks, Stacey Konidis, Tamara Araujo, Giane Ribeiro-Samora, Roger Goldstein, Tania Janaudis-Ferreira

## Brown 1 + 2 (South)

## Session 239

08:30 - 10:30

## Oral Presentation: The air indoor air pollution

Tag(s) : Smoking prevention and cessation (HLfL)

Chairs : Dirk Heederik (Utrecht, Netherlands), Anna-Carin Olin (Gothenburg, Sweden)

**OA1774 Late Breaking Abstract - Occupational exposure to disinfectants and COPD incidence in US nurses: a prospective cohort study**  
Oriane Dumas (Villejuif, France), Raphaëlle Varraso, Krislyn M Boggs, Catherine Quinot, Jan-Paul Zock, Paul K Henneberger, Frank E Speizer, Carlos A Camargo, Nicole Le Moual

**OA1775 Occupational exposure to indoor air pollution among bakery workers in Ethiopia; a comparison of electric and biomass cookstoves**  
Lidwien A.M. Smit (Utrecht, Netherlands), George S. Downward, Hugo P. van der Zwaag, Leon Simons, Kees Meliefste, Yifokire Tefera, Jesús Rosales Carreón

**OA1776 Impact of Improved Cookstove Usage on Lung Function in Congolese Refugees: A Prospective Cohort Study.**  
Fernando Wolff (Lübeck, Germany), Henning Kothe, Allan Mubiru, Klaus Dalhoff, Joseph Gashirabake



- OA1777 Coal and wood burning products as a risk factor of respiratory and cardiovascular diseases – preliminary results of household PM2.5 emissions on health risk**  
Artur Badyda (Warszawa, Poland), Andrzej Chcia owski, Piotr D browiecki, Adam Sta czyk, Piotr Czechowski, Anna Gayer, Dominika Mucha, ukasz Adamkiewicz
- OA1778 PM and PM-bound PAHs exposure from barbecues powered by gas, lump charcoal and charcoal briquettes as a risk factor of lung cancer.**  
Artur Badyda (Warszawa, Poland), Kamila Widziewicz, Wioletta Rogula-Koz owska, Grzegorz Majewski, Izabela Jureczko, Anna Gayer, Dominika Mucha, Piotr D browiecki
- OA1779 Characteristics and validation of indoor climate and respiratory health - a mixed method approach from a real life cross-sectional study**  
Charlotte Gabel (Aarhus, Denmark), Grethe Elholm, Steffen Petersen, Mia Kruse Rasmussen, Torben Sigsgaard
- OA1780 Wheeze, current asthma and respiratory infections among students in Malaysian schools - associations with formaldehyde, nitrogen dioxide and specific volatile organic compounds (VOC) in classroom air**  
Dan Norback (Uppsala, Sweden), Zailina Hashim, Faridah Ali, Jamal Hisham Hashim
- OA1781 Is residential ambient air limonene associated with asthma in the Canadian population?**  
Robert Dales (Ottawa, ON, Canada), Sabit Cakmak

**Yellow (North) Session 240 08:30 - 10:30**

**Oral Presentation: COPD: risk factors and prognosis**

**Chairs :** David Mannino (Lexington, United States of America), Jennifer Quint (Wimbledon, United Kingdom)

- OA1782 Late Breaking Abstract - Comparing respiratory versus cardiovascular event rates, 1987-2016: NHLBI Pooled Cohorts Study**  
Elizabeth Oelsner (New York, United States of America), Pallavi Balte, Patricia Cassano, David Couper, Aaron Folsom, David Jacobs, Ravi Kalhan, Richard Kronmal, Leslie Lange, R. Graham Barr, Laura Loehr, Stephanie London, Anne Newman, George O'Connor, Joseph Schwartz, Lewis Smith, Wendy White, Sachin Yende
- OA1783 Effect of severity of exacerbations of COPD and hospitalised pneumonia on risk of myocardial infarction**  
Kieran Rothnie (London, United Kingdom), Hana Müllerová, Liam Smeeth, Neil Pearce, Ian Douglas, Jennifer Quint
- OA1784 An airway challenge test can predict COPD: an international cohort study**  
Alessandro Marcon (Verona, Vr, Italy), Francesca Locatelli, Isa Cerveri, Shyamali Dharmage, Elaine Fuertes, Judith Garcia-Aymerich, Joachim Heinrich, Christer Janson, Ane Johannessen, Bénédicte Leynaert, Silvia Pascual Erquicia, Giancarlo Pesce, Nicole Probst-Hensch, Cecilie Svanes, Simone Accordini, Isabel Urrutia Landa, Deborah Jarvis
- OA1785 Association of cystatin C-based estimated glomerular filtration rate (eGFR) with prognosis in patients with COPD exacerbation**  
Hiroyoshi Machida (Yamagata, Japan), Kohdai Huruyama, Yukihiro Minegishi, Sujeong Yang, Kento Sato, Hiroshi Nakano, Maki Kobayashi, Masamichi Sato, Takako Nemoto, Michiko Nishiwaki, Tomomi Kimura, Keiko Yamauchi, Akira Igarashi, Yoshikane Tokairin, Sumito Inoue, Isao Kubota, Yoko Shibata
- OA1786 Prognosis in rheumatoid arthritis patients with COPD: A nationwide, registry-based study**  
Charlotte Hyldgaard (Åbyhøj, Denmark), Anders Løkke, Alma Becic Pedersen, Sinna Pilgaard Ulrichsen, Ole Hilberg, Elisabeth Bendstrup, Torkell Ellingsen
- OA1787 Relationship of hyperlipidemia to comorbidities and lung function in COPD: results of the COSYCONET cohort**  
Kathrin Kahnert (Munich, Germany), Tanja Lucke, Rudolf M. Huber, Jürgen Behr, Frank Biertz, Anja Vogt, Henrik Watz, Peter Alter, Sebastian Fährndrich, Robert Bals, Rolf Holle, Stefan Karrasch, Sandra Söhler, Margarethe Wacker, Joachim H. Ficker, Klaus Parhofer, Claus Vogelmeier, Rudolf A. Jörres
- OA1788 Repeated desaturation in 6 minute walk test increases risk for mortality in COPD patients**  
Marie Johanne Waatevik (BERGEN, Norway), Tomas Mikal Eagan, Jon Andrew Hardie, Per Bakke, Francisco Real, Bente Frisk, Ane Johannessen
- OA1789 A genome-wide linkage study for COPD in a Dutch genetic isolate**  
Ivana N. Nedeljkovic (Rotterdam, Netherlands), Natalie Terzikhan, Judith M. Vonk, Diana A. van der Plaat, Lies Lahousse, Cleo C. van Diemen, Guy G. Brusselle, H. Marike Boezen, Cornelia M. van Duijn, Najaf Amin

**Brown 3 (South) Session 241 08:30 - 10:30**

**Oral Presentation: What is the future for paediatric respiratory physiology and sleep?**

**Chairs :** Graham Hall (Perth, WA, Australia), Refika Hamutcu Ersu (Istanbul, Turkey)

- OA1790** **Should children with hypertension and snoring be referred for polysomnography?**  
Athanasios G. Kaditis (Athens, Greece), Emmanouel Alexopoulos, Nikoleta Batziou, Louloudenia Velentza, Anna-Maria Mylona, Vasileios Lachanas, Charalampos Skoulakis, Konstantinos Gourgoulianis
- OA1791** **Circulating Branched-Chain Aminoacids in children with Obstructive Sleep Apnea.**  
Maria Cerda Moncadas (Palma de Mallorca, Spain), Nuria Toledo-Pons, Antonia Barceló, Josep Miquel Bauçà, Jose Antonio Peña-Zarza, Daniel Morell-Garcia, Aina Yañez, Gerardo Perez, Javier Pierola, Monica De La Peña
- OA1792** **Effect of reporting two versus three trials on lung clearance index values**  
Renee Jensen (Toronto, ON, Canada), Michelle Klingel, Sanja Stanojevic, Margaret Rosenfeld, Stephanie Davis, Felix Ratjen, George Retsch-Bogart
- OA1793** **Can LCI predict new Pseudomonas aeruginosa colonization among CF patients?>**  
Elpida Hatziagorou (Thessaloniki, Greece), Vasiliki Avramidou, Eleana Kouroukli, LEMONIA Nousia, Maria Parisi, Maria Galogavrou, Fotis Kirvasilis, John Tsanakis
- OA1795** **Risk factors for multimorbidity in wheezing children: role of the phenotype**  
Salvatore Fasola (Palermo, Italy), Giulia Bartolotta, Giovanna Cilluffo, Velia Malizia, Giuliana Ferrante, Giovanni Viegi, Stefania La Grutta
- OA1796** **Paediatric sleep apnoea syndrome and cardiovascular risk factors in the generation XXI cohort**  
Ines Azevedo (Porto, Portugal), Mariana Costa, Liane Correia-Costa, Ana Cristina Santos
- OA5001** **Concluding talk: Sleep in children with chronic lung disease**  
Refika Hamutcu Ersu (Istanbul, Turkey)

## Amber 1 + 2 (South)

## Session 242

08:30 - 10:30

## Poster Discussion: Bronchodilators and bronchoprotectors

Chairs : Kian Fan Chung (London, United Kingdom), Klaus F. Rabe (Grosshansdorf, Germany)

- PA1797** **Tiotropium bromide: Efficacy and safety in complex treatment of COPD**  
Mariana Kulynych-Miskiv (Galych, Ukraine), Mykola Ostrovskyy, Kseniia Ostrovska, Oleksandr Varunkiv, Iryna Savelikhina
- PA1798** **A randomized placebo and active controlled trial of AZD8871 a novel dual acting bronchodilator in COPD patients**  
Dave Singh (Manchester, United Kingdom), Carol Astbury, Lali Jimenez, Beatriz Seoane, Cristina Villarroel, Victor Balaguer, Alejandra Lei, Ajay Aggarwal
- PA1799** **Bronchoprotective tolerance with indacaterol is not modified by concomitant tiotropium in persistent asthma**  
Sunny Jabbal (Dundee, United Kingdom), Arvind Manoharan, Brian Lipworth
- PA1800** **Smart Watch-based Coaching with Tiotropium and Olodaterol Ameliorates Physical Activity in Chronic Obstructive Pulmonary Disease Patients**  
Esteban Gabazza (Tsu-Mie, Japan), Osamu Hataji, Yoichi Nishii, Kentaro Ito, Tadashi Sakaguchi, Haruko Saiki, Yuta Suzuki, Tetsu Kobayashi, Corina D'Alessandro-Gabazza, Osamu Taguchi, Hajime Fujimoto
- PA1801** **Indacaterol/glycopyrronium (IND/GLY) reduces the risk of clinically important deterioration (CID) in patients with moderate COPD: Results from the CRYSTAL study**  
Timm Greulich (Marburg, Germany), Konstantinos Kostikas, Mina Gaga, Maryam Aalamian-Mattheis, Francesco Patalano, Xavier Nunez, Veronica Anna Pagano, Andreas Clemens, Robert Fogel, Claus F. Vogelmeier
- PA1802** **Delayed time to first and subsequent exacerbations independent of season with indacaterol/glycopyrronium (IND/GLY) compared with salmeterol/fluticasone (SFC): the FLAME study**  
Kenneth R. Chapman (Toronto, ON, Canada), Konstantinos Kostikas, Petter Olsson, Chau Thach, Francesco Patalano, Robert Fogel, Donald Banerji
- PA1803** **Indacaterol/glycopyrronium (IND/GLY) reduces days with COPD exacerbation vs salmeterol/fluticasone (SFC) independent of PRO tool: results of the FLAME study**  
Jadwiga Wedzicha (London, United Kingdom), Kenneth R Chapman, Stefan-Marian Frent, Steven Shen, Francesco Patalano, Michael Larbig, Robert Fogel, Donald Banerji
- PA1804** **Bronchoprotective activity and safety evaluation of the novel antimuscarinic/  $\beta_2$  agonist (MABA) CHF6366 in dogs**  
Chiara Carnini (Parma, Pr, Italy), Nicola Cesari, Karin Rudolph, Edward Barrett, Riccardo Patacchini, Maurizio Civelli, Gino Villetti, Ramesh Chand
- PA1805** **In vitro pharmacological characterization of the novel inhaled bronchodilator CHF6366 acting as dual muscarinic antagonist/  $\beta_2$ -agonist (MABA)**  
Fiorella Pastore (PARMA (PR), Italy), Giorgia Volpi, Vanessa Pitozzi, Mariapia Branà, Fabio Rancati, Laura Carzaniga, Fabrizio Facchinetti, Riccardo Patacchini, Gino Villetti, Maurizio Civelli, Andrea Rizzi, Maurizio Delcanale

- PA1806 Contractile effects of NaV1.5 current in rabbit bronchial smooth muscle.**  
Keith Thornbury (Dundalk, Ireland), Lorraine Martin, Eamonn Bradley, Mark Hollywood, Gerard Sergeant, Noel McHale
- PA1807 N-Acetylcysteine protects human bronchi via inhibiting neurokinin A**  
Luigino Calzetta (Roma, Rm, Italy), Paola Rogliani, Francesco Facciolo, Barbara Rinaldi, Maria Gabriella Matera, Mario Cazzola
- PA1808 The impact of tiotropium for exercise induced bronchoconstriction**  
Kunihiko Terada (Himeji city, Japan), Tadayuki Terada
- PA1809 Tiotropium treatment for bronchiectasis (ROBUST): a randomized, placebo-controlled, crossover trial**  
Conroy Wong (Auckland, New Zealand), Catherina Chang, Chris Lewis, Alain Vandal, Lata Jayaram, Stuart Jones, David Milne, Noel Karalus, Cecilia Tong, Gene Jeon, Jill Bell, Christine Tuffery, Wendy Fergusson, Sandra Hotu
- PA1810 Interaction between tiotropium bromide and olodaterol in human bronchial smooth muscle**  
Mario Cazzola (Roma, Rm, Italy), Luigino Calzetta, Paola Rogliani, Francesco Facciolo, Maria Gabriella Matera
- PA1811 A randomized placebo controlled trial of AZD8871 a novel dual acting bronchodilator in asthmatics.**  
Eulalia Jimenez Lozano (Barcelona, Spain), Carol Astbury, Beatriz Seoane, Cristina Villarroel, Helena Pujol, Maria-Jesus Bermejo, Ajay Aggarwal, Muna Albayaty
- PA1812 Efficacy and safety of revefenacin (REV), a long-acting muscarinic antagonist for nebulization: results of replicate randomized, double-blind, placebo-controlled, parallel-group phase 3 trials in participants with moderate to very severe COPD**  
Gary Ferguson (Farmington Hills, United States of America), Krishna K. Pudi, Gregory Feldmann, Srikanth Pendyala, Chris N. Barnes, Edmund J. Moran, Glenn Crater, Brett Haumann
- PA1813 One year change in health status in patients with stable Chronic Obstructive Pulmonary Disease (COPD) under long-acting bronchodilators treatment**  
Chen Wang (Beijing, China), Kewu Huang, Jinping Zheng, Yanfei Guo, Hong Zhang, Jie Cao, Wei Zhang, Xuchu Hong, Wei Gu, Xiaoge Wang, . INTACT study investigators
- PA1814 Clinical synergism of LABA/LAMA combinations in COPD patients**  
Paola Rogliani (Roma, Rm, Italy), Luigino Calzetta, Josuel Ora, Ermanno Puxeddu, Mario Cazzola, Maria Gabriella Matera

Amber 3 + 4 (South)

Session 243

08:30 - 10:30

## Poster Discussion: Asthma genetics and genomics in patients and populations

Chairs : Ian Sayers (Nottingham, Nottinghamshire, United Kingdom), Raquel Granell (BRISTOL, United Kingdom)

- PA1815 A Genome Wide Association Study of Moderate-Severe Asthma in subjects from the United Kingdom**  
Ian Sayers (Nottingham, Nottinghamshire, United Kingdom), Nick Shrine, Maria Soler-Artigas, Michael Portelli, Neil Bennett, Ioanna Ntalla, Amanda Henry, Charlotte Billington, Dominic Shaw, Zara Pogson, Andrew Fogerty, Trish McKeever, Leon Jonker, Amisha Singapuri, Liam Heaney, Adel Mansur, Rekha Chaudhuri, Neil Thomson, John Holloway, Gabrielle Lockett, Peter Howarth, Ratko Djukanovic, Jenny Hankinson, Richard Niven, Angela Simpson, Kian Chung, Peter Sterk, John Blakey, Ian Adcock, Martin Tobin, Ian Hall, Chris Brightling, Louise Wain
- PA1816 Genome-wide association study of wheezing phenotypes in the Avon longitudinal study of parents and children**  
Raquel Granell (BRISTOL, United Kingdom), John Henderson, Jonathan Sterne
- PA1817 Genome-wide association study of asthma exacerbations in European children treated with inhaled corticosteroids**  
Susanne J. H. Vijverberg (Utrecht, Netherlands), Natalia Hernandez-Pacheco, Niloufar Farzan, Ben Francis, Carlos Flores, Maximilian Schieck, Patricia Soares, Leila Karimi, Roger Tavendale, Vojko Berce, Katja Repnik, Katia Verhamme, Uroš Poto Nik, Somnath Mukhopadhyay, Munir Pirmohamed, Colin Palmer, Steve Turner, Daniel Hawcutt, Michael Kabesch, Maria Pino-Yanes, Anke-Hilse Maitland-Van Der Zee
- PA1818 Significance of microRNAs in allergic asthma patients.**  
Ender Coskunpınar (Istanbul, Turkey), Gokhan Cebeci, Engin Aynaci, Aysun Aynaci, Zeynep Egri Kansu, Ekrem Cengiz Seyhan, Erdo an Kunter
- PA1819 Different genetics background of patients with latent tuberculosis infection versus active tuberculosis**  
Elena Bragina (Tomsk, Russian Federation), Nadezda Babushkina, Anna Garaeva, Irina Goncharova, Alexey Rudko, Maxim Freidin
- PA1820 TRPV1 and TRPV2 are up-regulated in the airways of asthma patients with osmotic airway hyperresponsiveness**  
Olesya Kotova (Blagoveshchensk, Amur Oblast, Russian Federation), Denis Naumov, Anna Prikhodko, Juliy Perelman, Victor Kolosov

- PA1821 TRPV4 single nucleotide polymorphisms and airway inflammation in asthma**  
Denis Naumov (Blagoveshchensk, Amur Oblast, Russian Federation), Olesya Kotova, Anna Prikhodko, Sergey Zinovyev, Juliy Perelman, Victor Kolosov
- PA1822 Gene expression in bronchial biopsies from subjects with persistent asthma and asthma in remission**  
Cornelis Vermeulen (Groningen, Netherlands), Judith Vonk, Dirkje Postma, Cheng-Jian Xu, Nick ten Hacken, Wim Timens, Irene Heijink, Martijn Nawijn, Antoon van Oosterhout, Karen Affleck, Gerard Koppelman, Maarten van den Berge
- PA1823 Polymorphisms of the *aph-1* homolog A, gamma-secretase subunit (*APH1A*) gene in Japanese patients with aspirin-exacerbated respiratory disease (AERD).**  
Ryosuke Souma (Koshigaya-shi, Saitama, Japan), Kenya Koyama, Akemi Koyama, Shyuzo Abe, Kentaro Nakano, Naruo Yoshida, Hiroyoshi Watanabe, Tomoshige Wakayama, Shingo Tokita, Masamitsu Tatewaki, Hideyuki Satoh, Hirokuni Hirata, Kumiya Sugiyama, Yasutsugu Fukushima, Junichiro Morioka
- PA1824 Assessing the feasibility of GSK's clinical genetic data re-use for drug target identification and validation: A respiratory case study**  
Astrid Yeo (Stevenage, United Kingdom), Karen King, Beth Harris, Zhengyu Xue, Toby Johnson, Soumitra Ghosh
- PA1825 Association of BMI, adipokines and genetic variation with lung function**  
Andria Christodoulou (Nicosia, Cyprus), Despo Ierodiakonou, Michael Petrou, Stephanos Kales, David Christiani, Christos Mantzoros, Costas Christophi
- PA1826 A transcriptomic comparison between nasal and bronchial airway epithelia from children.**  
Thomas Iosifidis (Perth, WA, Australia), Stephen Stick, Anthony Bosco, Denise Anderson, Kak-Ming Ling, Peter Wark, Anthony Kicic, Darryl Knight

## Amber 5 + 6 (South)

## Session 244

08:30 - 10:30

## Poster Discussion: Cystic fibrosis: treatments and monitoring

Chairs : Stefano Aliberti (Milan, Italy), Harm Tiddens (Rotterdam, Netherlands)

- PA1827 Risk factors for lung disease progression in children with cystic fibrosis; a longitudinal cohort study**  
Kim D. G. van de Kant (Maastricht, Netherlands), Marieke van Horck, Bjorn Winkens, Geertjan Wesseling, Vincent Gulmans, Han Hendriks, Chris van der Grinten, Quirijn Jobsis, Edward Dompeling
- PA1828 Lumacaftor-Ivacaftor combination therapy in Phe508del homozygous CF patients with end-stage lung disease – preliminary results**  
Christian Murer (Luzern, Switzerland), Lars Huber, Thomas Kurowski, Astrid Hirt, Cécile Robinson, Urs Bürgi, Christian Benden
- PA1830 Examining the effects of the Gly551Asp mutation on CT outcomes in children with cystic fibrosis**  
Lijun Clara Mok (Perth, WA, Australia), Tim Rosenow, Stephen Stick, Lidija Turkovic
- PA1831 Nutritional status and pulmonary and respiratory muscle function in children and young people with cystic fibrosis**  
Niovi Papalexopoulou (London, United Kingdom), Alan Lunt, Theodore Dassios, Fiona Bartlett, Felicity Perrin, Hilary Wyatt, Anne Greenough
- PA1832 Respiratory rate in infants with Cystic Fibrosis and healthy controls throughout the first year of life.**  
Insa Korten (Bern, Switzerland), Elisabeth Kieninger, Sophie Yammine, Giulia Gangiano, Claudia E. Kuehni, Nicolas Regamey, Urs Frey, Carmen Casaulta, Ben Spycher, Philipp Latzin
- PA1833 Dynamic hyperinflation and daily physical activity in adults with cystic fibrosis**  
Daniela Savi (Cantalupo in Sabina, Rieti, Italy), Marcello Di Paolo, Nicholas Simmonds, Serena Quattrucci, Giuseppe Cimino, Paolo Palange
- PA1834 Observational study of respiratory tract microflora in CF patients over a 15-year period**  
Victoria Sherman (Moscow, Russian Federation), Elena Kondratieva, Lidia Shabalova, Svetlana Polikarpova, Nadejda Pivkina, Anna Voronkova, Victoria Nikonova, Elena Amelina, Stanislav Krasovsky
- PA1836 Predicting the outcome of respiratory *Pseudomonas aeruginosa* infection in vivo**  
Aduragbemi Faniyi (BELFAST, United Kingdom), Michael Tunney, Rebecca Ingram
- PA1837 Does *Pseudomonas* status affect exercise capacity in CF?**  
Elpida Hatziagorou (Thessaloniki, Greece), Asterios Kampouras, Vasiliki Avramidou, Vasiliki Georgopoulou, Fotis Kirvasilis, John Tsanakas
- PA1838 Functional magnetic resonance imaging and lung function tests in cystic fibrosis**  
Sylvia Nyilas (Bern, Switzerland), Grzegorz Bauman, Gregor Sommer, Enno Stranzinger, Orso Pusterla, Urs Frey, Insa Korten, Florian Singer, Carmen Casaulta, Oliver Bieri, Philipp Latzin

- PA1839 LCI in young children with CF – N2 or SF6?**  
Mirjam Stahl (Heidelberg, Germany), Cornelia Joachim, Mark Wielpütz, Marcus Mall
- PA1840 Potential utility of the N2 VC SBW test in cystic fibrosis (CF)**  
Sanna Kjellberg (Skara, Sweden), Anders Lindblad, Paul Robinson, Marita Gilljam, Per Gustafsson
- PA1841 Inter-test reproducibility of the lung clearance index measured by multiple breath washout**  
Esther Oude Engberink (Nijmegen, Netherlands), Felix Ratjen, Stephanie Davis, George Retsch-Bogart, Reshma Amin, Sanja Stanojevic
- PA1842 Real-time exhaled breath analysis identifies altered metabolic signature in cystic fibrosis**  
Thomas Gaisl (Zürich, Switzerland), Lukas Bregy, Nina Stebler, Martin Gaugg, Tobias Bruderer, Diego García-Gómez, Alexander Möller, Florian Singer, Esther Schwarz, Christian Benden, Pablo M-L Sinues, Renato Zenobi, Malcolm Kohler

**Amber 7 + 8 (South) Session 245 08:30 - 10:30**

**Poster Discussion: Primary ciliary dyskinesia and air pollution**

**Tag(s) :** Smoking prevention and cessation (HLfL)

**Chairs :** Liesbeth Duijts (Rotterdam, Netherlands), Myrofora Goutaki (Bern, Switzerland)

- PA1843 Late Breaking Abstract - Physical activity trajectories and lung function at 15 years (ALSPAC study)**  
Céline Roda (Barcelona, Spain), John Henderson, Deborah Jarvis, Judith Garcia-Aymerich
- PA1844 Late Breaking Abstract - Maternal mental health during pregnancy and postnatally and wheeze and infections in offspring**  
Franca Rusconi (Firenze, Italy), Luigi Gagliardi, Eleonora Fanti, Elisa Gori, Daniela Porta, Maja Popovic, Lorenzo Richiardi, Luca Ronfani, Sara Farchi, Antonia Stazi, Francesco Forastiere
- PA1845 Primary ciliary dyskinesia: first report from Colombia**  
Santiago Ucros Rodríguez (Bogota, Colombia), Andrea Méndez, Rafael Andrade, Margarita Díaz, Sandra Quiroga, Alfredo Pérez
- PA1846 Evolution of Primary Ciliary Dyskinesia (PCD) diagnostic testing in Europe**  
Florian Halbeisen (Bern, Switzerland), Myrofora Goutaki, Elisabeth Maurer, Mieke Boon, Carmen Casaulta, Suzanne Crowley, Claire Hogg, Bülent Karadag, Cordula Koerner-Rettberg, Henryk Mazurek, Uur Özçelik, Francesca Santamaria, Nicolaus Schwerk, Panayiotis Yiallourous, Jane Lucas, Claudia Kuehni
- PA1847 Towards standardized follow-up care for patients with Primary Ciliary Dyskinesia (PCD)**  
Myrofora Goutaki (Bern, Switzerland), Florian S. Halbeisen, Claire Hogg, Carmen Casaulta, Israel Amirav, Juerg Barben, Eduardo Moya, Kim G. Nielsen, Guillaume Thouvenin, Jane S. Lucas, Claudia E. Kuehni
- PA1848 New portable nasal nitric oxide (nNO) analyser differentiates primary ciliary dyskinesia (PCD) from healthy individuals.**  
Jane Lucas (Southampton, United Kingdom), Margaret Leigh, Nicole Beydon, Thomas Ferkol, Kim Nielsen, Claudius Werner, Steven Strausbaugh, Stephanie Davis, Cros Nt, Ali Kermani, Ulla Seppala, Margot Macdonald-Berko, Kathleen Rickard
- PA1849 A decision analysis approach for the development of an evidence based diagnostic algorithm for Primary Ciliary Dyskinesia.**  
Panayiotis Kouis (NICOSIA, Cyprus), Stefania I. Papatheodorou, Nicos Middleton, Kyriacos Kyriacou, John S. Evans, Panayiotis K. Yiallourous
- PA1850 Ten years' experience of Primary Ciliary Dyskinesia Diagnostic Testing**  
Bruna Rubbo (Southampton, United Kingdom), Laura Behan, Ana Paula Lima de Queiroz, Patricia Goggin, Claire Jackson, Samantha Packham, Woolf Walker, Jane Lucas
- PA1851 A high prevalence CCDC103 p.His154Pro mutation causing primary ciliary dyskinesia is associated with normal diagnostic investigations**  
Amelia Shoemark (London, United Kingdom), Eduardo Moya, Robert A Hirst, Mitali P Patel, Evelyn Robson, Jane Hayward, Juliet Scully, Mahmoud R Fassad, Miriam Schmidts, Mellisa Dixon, Ramila S Patel-King, Andrew Rogers, Andrew Rutman, Claire L Jackson, Patricia Goggin, Sarah Ollosson, Siobhán Carr, Woolf Walker, Beryl Adler, Michael R Loebinger, Robert Wilson, Andrew Bush, Hywel Williams, Christopher Boustred, Lucy Jenkins, Eamonn Sheridan, Eddie M. K. Chung, Christopher M. Watson, Thomas Cullup, Jane S Lucas, Priti Kenia, Christopher O'Callaghan, Stephen M. King, Claire Hogg, Hannah M. Mitchison
- PA1852 Genetic risk factors for laterality defects and congenital heart disease (CHD) in patients with primary ciliary dyskinesia (PCD)**  
Claire Hogg (London, United Kingdom), Sunayna Best, Amelia Shoemark, Bruna Rubbo, Mitali Patel, Mahmoud Fassad, Julene Carvalho, Priti Kenia, Jane Lucas, Hannah Mitchison

- PA1853 Clinical disease spectrum in RSPH9 Primary Ciliary Dyskinesia patients: a case series.**  
Panayiotis Kouis (NICOSIA, Cyprus), Panayiotis K. Yiallourous, Panayiota Pirpa, Kyriaki Michailidou, Andreas Hadjisavvas, Maria Loizidou, Kyriacos Kyriacou
- PA1854 Use of electron tomography to confirm the diagnosis of primary ciliary dyskinesia**  
Amelia Shoemark (London, United Kingdom), Thomas Burgoyne, Robert Kwan, Thomas Cahill, Juliet Scully, Mellisa Dixon, Mitali Patel, Andrew Bush, Hannah Mitchison\*, Claire Hogg\*
- PA1855 Quality of life in patients with primary ciliary dyskinesia: a systematic review**  
Jane Lucas (Southampton, United Kingdom), Laura Behan, Bruna Rubbo, Audrey Dunn Galvin
- PA1856 Spanish version of the Quality of Life questionnaires for patients with Primary Ciliary Dyskinesia.**  
Ana Reula (Castellón, Spain), Laura Behan, Amparo Escribano, Francisco Dasí, Jane Lucas, Miguel Armengot
- PA1857 Impact of tobacco smoke exposure or indoor air pollution on nasopharyngeal bacteria in African infants in a birth cohort study.**  
Aneesa Vanker (Cape Town, South Africa), Felix Dube, Whitney Barnett, Polite Nduru, Robert Gie, Mark Nicol, Heather Zar
- PA1858 Parental smoking habits and prevalence trends of childhood asthma: four surveys during 1998-2013**  
Sotirios Fouzas (Patras, Greece), Panagiotis Lambropoulos, Styliani Malliori, Olga Lagiou, Kostas Priftis, Michael Anthracopoulos
- PA1859 Indoor air pollution and respiratory symptoms, and pneumonia in highland children in Kyrgyzstan**  
Aizhamal Tabyshova (Bishkek, Kyrgyzstan), Berik Emilov, Meder Seiitov, Alina Beyshenbekova, Batyr Osmonov, Bermet Estebesova, Frederik van Gemert, Niels H Chavannes, Talant Sooronbaev
- PA1860 The exposure to NO2 eliminates the positive effects of physical activity on children's lung function**  
David Donaire-Gonzalez (Barcelona, Spain), Jordi Romero, Maribel Casas, Pau Panella, Montserrat De Castro, Antonia Valentin, Martine Vrijheid, Mark Nieuwenhuijsen, Jordi Sunyer

Blue 1 (North)

Session 246

08:30 - 10:30

## Poster Discussion: From respiratory muscles to acute respiratory failure

Chairs : Marcus Schultz (Amsterdam, Netherlands), Andrea Cortegiani (Palermo, Italy)

- PA1861 Local expression of hormone receptors seems to play a role in the genesis of idiopathic tracheal stenosis**  
Johannes Schweipert (Nuremberg, Germany), Dietmar Kraus, Jan Erik Balandat, Viktor Bonkowsky, Hubert J Stein
- PA1862 High-flow oxygen therapy in hypercapnic patients recovering from an episode of acute-on-chronic respiratory failure**  
Federico Longhini (Borgomanero, NO, Italy), Lara Pisani, Ramona Lungu, Vittoria Comellini, Gianmaria Cammarota, Andrea Bruni, Eugenio Garofalo, Paolo Navalesi, Stefano Nava, Maria Laura Vega
- PA1863 Complexity and criticality of hospitalized patients in Pulmonology Centers (COMPASS Study)**  
Adriano Vaghi (Bollate, Italy), Angelo Gianni Casalini, Maria Maddalena Lo Storto, Giuseppe Fiorentino, Franco Pasqua, Andrea Vianello, Giulio Donazzan, # On Behalf Of Compass/Aipo Study Group
- PA1864 Use of a new isokinetic device oriented by software for inspiratory muscle training in prolonged weaning**  
Leonardo Souza (RIO DE JANEIRO/RJ, Brazil), Bruno Guimarães, Jocemir Lugon
- PA1865 Relation between serum interleukin-6 and respiratory and hemodynamic responses during weaning from mechanical ventilation**  
Christina Routsis (Athens, Greece), Efstratia Charitidou, Vasilis Pappas, Achileas Giannopoulos, Spyros Zakyntinos
- PA1866 Limitations of superficial EMG estimate of parasternal intercostal muscle activity**  
Giovanni Tagliabue (Calgary, AB, Canada), Micheal Ji, Jenny Jagers, Devin Dean, Eric Wilde, Paul Easton
- PA1867 Regulation of proteolytic pathways by reactive oxygen species in the diaphragm during prolonged mechanical ventilation**  
Sabah Hussain (Montréal, QC, Canada), Nikolay Moroz, Anna Perez, Karen Maes, Jean-Philippe Leduc-Gaudet, Flavia Stana, Ghislaine Gayan-Ramirez
- PA1868 Mechanical Power in children and adults with and without ARDS**  
Mariateresa Guanzioli (milan, Italy), Davide Chiumello, Miriam Gotti, Antonella Marino, Massimo Cressoni, Chiara Chirazzi, Luciano Gattinoni
- PA1869 Tidal volume's effect on mechanical power in children with and without ARDS.**  
Mariateresa Guanzioli (milan, Italy), Davide Chiumello, Antonella Marino, Massimo Cressoni, Miriam Gotti, Chiara Chirazzi, Luciano Gattinoni

- PA1870** **Protective effect of Polydexyribonucleotide against lipopolysaccharide-induced acute lung injury in rats**  
So Hee Park (Seoul, Republic of Korea), Jee-Hong Yoo, Boksoon Chang, Yong Suk Jo, Min A Park
- PA1871** **Percentage Change in Diaphragmatic Thickness is a Good Predictor of Successful Weaning from Mechanical Ventilation**  
Neetu Jain (ROHTAK (HARYANA), India), Mukesh Sharma, Dhruva Chaudhry
- PA1872** **Utility of SpO<sub>2</sub>/FiO<sub>2</sub> ratio in patients with acute hypoxemic respiratory failure and bilateral opacities in ICU.**  
Yosuke Fukuda (Tokyo, Japan), Akihiko Tanaka, Hironori Sagara
- PA1873** **Evolution of acute respiratory failure in medical and surgical septic patients: a 5 years retrospective study**  
Gianluca Zani (Ravenna, Italy), Marina Diamanti, Roberto Righetti, Massimo Terenzoni, Silvia Mescolini, Cecilia Nencini, Federico Domenico Baccarini, Maurizio Fusari, Francesco Menchise
- PA1874** **Loss of CFTR causes endothelial barrier failure in pneumonia via inhibition of WNK1 and TRPV4 activation**  
Lasti Erfinanda (Berlin, Germany), Zou Lin, Birgitt Gutbier, Katrin Reppe, Jasmin Lienau, Andreas Hocke, Wolfgang Liedtke, Martin Witzenrath, Wolfgang Michael Kuebler
- PA1875** **Effects of position and open chest on lung and chest wall resistance during thoracic surgery**  
Michele Umbrello (Milano, Italy), Paolo Formenti, Giovanni Mistraretti, Francesco Vetrone, Antonella Marino, Giordano Vergani, Alessandro Baisi, Davide Chiumello
- PA1876** **Comparison between high-flow nasal cannula oxygen therapy and non-invasive ventilation for respiratory care: a Japanese cross-sectional multicenter survey**  
Michiko Hibi (Ogaki, Japan), Akira Shiraki, Kazuma Nagata, Yuichiro Nei, Susumu Sato, Naoki Nishimura, Shinyu Izumi, Ryo Tachikawa, Keisuke Tomii
- PA1877** **Correlations among respiratory pressures, peripheral muscle strength and functional capacity of non-ventilated patients in an ICU**  
Maria Karoline de França Richtmoc (Recife/PE, Brazil), Wagner Souza Leite, Carlos Eduardo Santos Rego Barros, Amina Maria Soares Lima, Wildberg Alencar, Maria Inês Remigio, Daniella Cunha Brandão, Armele Dornelas de Andrade, Shirley Lima Campos, Raissa Farias Correia

## Blue 2 (North)

## Session 247

08:30 - 10:30

## Poster Discussion: Clinical and physiological challenges in noninvasive ventilation

Chairs : Michael Dreher (Aachen, Germany), João Carlos Winck (Vila Nova de Gaia, Portugal)

- PA1878** **Sleep related respiratory events during non-invasive ventilation of patients with chronic hypoventilation**  
Sigurd Arnt Aarrestad (Oslo, Norway), Magnus Qvarfort, Elin Tollefsen, Anne Louise Kleiven, Jean-Paul Janssens, Ole Henning Skjønberg
- PA1879** **Treatment of dyspnea in do-not-intubate (DNI) patients: is NIV a sensible option?**  
Giulia Spoletini (Leeds, United Kingdom), Lara Pisani, Najia Idrees, Trung Tien, Chiara Mega, Alia Khoja, Marco Mantero, Francesco Blasi, Stefano Nava, Nicholas Hill, Ami Chi
- PA1880** **Early predictors of NIV failure in AECOPD**  
Biljana Joveš (Sremska Kamenica, Republic of Serbia), Dušanka Obradović, Ivana Stojkovic, Jelena Repic
- PA1881** **Average volume assured pressure support ventilation (AVAPS) mode in management of acute hypercapnic respiratory failure**  
Lamia Shaaban (Assiut, Egypt), Ashraf Zin, Shereen Farghaly
- PA1882** **High Flow Nasal Cannula oxygen therapy for Do-Not-Intubate patients with advanced cancer**  
Tina Kamei (Tokyo, Japan), Yusuke Okuma, Makiko Yomota, Reshina Sone, Keiko Tanaka
- PA1883** **Evaluation of remote monitoring in home mechanical ventilation**  
Denise Gibson (Southampton, United Kingdom), Sarah Ewles
- PA1884** **Targeted-volume non invasive ventilation (NIV) after extubation in medical intensive care unit**  
Vorawut Thanthitaweevat (Bangkok, Thailand), Naricha Chirakalwasan
- PA1885** **Respiratory center response to hypercapnia after NIV treatment in OHS patients**  
Ines Ruiz Alvarez (Aviles (Asturias), Spain), Ramon Fernández Álvarez, Gemma Rubinos Cuadrado, Marta Iscar Urrutia, Maria Jose Vazquez Lopez, Tamara Hermida Valverde, Lucia Garcia Alfonso, Pere Casan Clara
- PA1886** **Chronic respiratory failure in myotonic dystrophy type 1 (DM1): Incidence & risk factors**  
Marie-Anne Melone (Rouen, France), Maxime PATOUT, Antoine CUVELIER, Anne-Laure BEDAT-MILLET, Lucie GUYANT-MARECHAL, Alice GOLDENBERG, Anne-Marie GUERROT, Catherine TARDIF, Florence PORTIER, Sarah GROTTTO, Marie NETCHITAILO

- PA1887 Survival factors of amyotrophic lateral sclerosis patients under pneumology follow-up**  
Natalia Pascual Martinez (CORDOBA, Spain), Silvia Martín Bote, Francisca Montoro Ballesteros, Cristina Esteban Amarilla, Nuria Feu Collado, Bernabé Jurado Gámez
- PA1888 Home mechanical ventilation registration in Greece. Preliminary results from the Hellenic HMV Network**  
Evangelia Serasli (THESSALONIKI, Greece), Irini Lekka, Vasilis Kilintzis, Theodoros Moysiadis, Michalis Agrafiotis, Katerina Fekete, Dimitris Lagonidis, Athanasia Pataka, Kostas Porpodis, Vasiliki Paschidou, Paschalis Steiropoulos, Georgia Trakada, Georgia Chasapidou, Despina Ioannidou, Vassilis Koulouras, Dimitris Matamis, Christina Matei, Maria Sdougka, Elena Volakli, Nikos Maglaveras, Venetia Tsara
- PA1889 Early non-invasive ventilation versus conventional oxygen therapy in immunocompromised patients with respiratory failure: a meta-analysis**  
Ralph Elvi Villalobos (Manila, Philippines), Ulysses King Gopez, Karen Marie Flores, Norman Maghuyop
- PA1890 NIV in Duchenne Muscular Dystrophy : A qualitative study**  
Helen Molloy (Manchester , United Kingdom), Victoria Beesley, Dipansu Ghosh, Mark Elliot
- PA1891 Predicting mortality and intubation risk in patients requiring NIV: external validation of the SAPS3-CNIV score.**  
Francesco Piccolo (Perth, WA, Australia), David Manners, Simon Jones, Erin Cecins, Taha Huseini
- PA1892 Non-invasive ventilation with autotitrating EPAP maybe confirm successful likelihood of extubation for COPD patients with ST-segment elevation myocardial infarction**  
BoXue Han (Beijing, China), Yunxi Song, Suiyang Zhang, Meilin Liu, Dongxia Wang, Xincheng Qiu, Ying Wang, Tingting Wu, Juan Ren, Hui Liu
- PA1893 Prognosis of patients undergoing non-invasive ventilation (NIV) according to hospitalization ward.**  
Natalia Fouz Rosón (Barcelona, Spain), Carolina Panadero Paz, Concepción Romero-Muñoz, Virginia Almadana-Pacheco, Cristina Benito-Bernáldez, Pedro Juan Rodríguez-Martín, Agustín Valido-Morales
- PA1894 Comparison of response to aerosol drug delivery with mesh and jet nebulizers during non-invasive ventilation (NIV) in acute exacerbation of COPD.**  
Sergey Avdeev (Moscow, Russian Federation), Galia Nuralieva, Aung Kiaw Soe, James Fink
- PA1895 Hypnotics did not worsen a prognosis of patients receiving long-term oxygen and/or noninvasive ventilation**  
Tomomasa Tsuboi (Joyo, Japan), Toru Oga, Takefumi Saito, Shohei Takata, Shuichi Yano, Tetsuro Ohdaira, Tetsuji Kawamura, Toru Yamanaka, Masahiro Abe, Kensuke Sumi, Kazuo Chin

## Gold (South)

## Session 254

10:45 - 12:45

## Grand Round: GR5 Grand Round in Occupational and Environmental Lung Disease

**Aims :** The aims of this Grand Round are to present a series of clinical cases linking occupational exposures to respiratory disease. The audience will learn from a range of well-characterized cases implicating inhaled toxicants in the development of respiratory pathologies and be educated about the broader context of these exposure-response relationships. The session will be interactive, engaging the audience with the expert faculty presenters.

**Track(s) :** Chronic airway diseases, Interstitial lung disease and vascular disease

**Tag(s) :** Clinical, Smoking prevention and cessation (HLfL)

**Target audience :** Allergologist, Allied health professional, Clinician, Educationalist, Epidemiologist, Fellow, General practitioner, Immunologist, Junior member, Lung function technician, Nurse, Occupational therapist, Otolaryngologist, Pathologist, Patient, Pharmaceutical industry representative, Physiologist, Psychologist, Public health official, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Social worker, Student, Trainee

**Chairs :** Paul Cullinan (London, United Kingdom), Anna-Carin Olin (Gothenburg, Sweden)

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|-------|--|------|
| 10:45 | <b>Granulomatous lung disease in two workers making light bulbs</b><br>Benoit Nemery (Leuven, Belgium)           | 1913 |
| 11:15 | <b>Respiratory failure in a building renovation worker</b><br>Christopher Carlsten (Vancouver, BC, Canada)       | 1914 |
| 11:45 | <b>Progressive dyspnea in a heavy equipment operator</b><br>Paul Blanc (San Francisco, United States of America) | 1915 |
| 12:15 | <b>High-altitude pulmonary edema in a miner</b><br>Denis Vinnikov (Bishkek, Kyrgyzstan)                          | 1916 |

## Auditorium (South)

## Session 255

10:45 - 12:45

## Symposium: State of the art session: "Airway diseases"



**Aims :** This session will provide an update on: the latest developments in the diagnosis, treatment and prevention of chronic airways diseases. The talks will focus on key aspects of asthma particularly severe asthma, COPD, ACOS and non-CF bronchiectasis.

**Track(s) :** **Chronic airway diseases** **Respiratory infections**

**Target audience :** Allergologist, Allied health professional, Clinician, Fellow, Immunologist, Junior member, Lung function technician, Microbiologist, Nurse, Pathologist, Physiologist, Physiotherapist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Trainee

**Chairs :** Antonio Spanevello (Milan, Italy), Anke-Hilse Maitland-van der Zee (Amsterdam, Netherlands)

10:45	<b>Diagnosing, treating and preventing severe asthma</b> Peter Gibson (Newcastle, NSW, Australia)	1917
11:15	<b>Treating and preventing COPD exacerbations</b> Jadwiga Wedzicha (London, United Kingdom)	1918
11:45	<b>Diagnosis and treatment of COPD patients who respond to steroids</b> Maarten van den Berge (Groningen, Netherlands)	1919
12:15	<b>Diagnosis and treatment challenges in non-CF bronchiectasis</b> Stefano Aliberti (Milan, Italy)	1920

## Silver (North) Session 256 10:45 - 12:45

### Symposium: Mission impossible? Implementing a whole package of new reference values for lung function

**Aims :** The symposium aims are (1) to inform the audience about the progress that the Global Lung Function Initiative Taskforce has made so far in terms of developing reference values for spirometry, DLCO, and TLC; (2) to evaluate the process and identify the problems that are expected to arise when implementing these new values; and (3) to explain the need for a data repository.

**Track(s) :** **Chronic airway diseases** Exercise, rehabilitation and physiology

**Tag(s) :** Clinical, Paediatric

**Target audience :** Allergologist, Allied health professional, Clinician, Epidemiologist, Fellow, General practitioner, Junior member, Lung function technician, Nurse, Occupational therapist, Paediatrician, Physiologist, Physiotherapist, Pulmonologist, Researcher, Respiratory physician, Respiratory therapist, Scientist, Student, Thoracic surgeon, Trainee

**Chairs :** Ellie Oostveen (Edegem (Antwerp), Belgium), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

10:45	<b>Introductory lecture in memoriam: Professor Philip Quanjer</b> Sanja Stanojevic (Toronto, ON, Canada)	
10:50	<b>Spirometry: mission completed?</b> Brendan Cooper (Edgbaston, Birmingham, United Kingdom)	1921
11:18	<b>DLCO: mission transferred</b> Bruce Thompson (Melbourne, Australia)	1922
11:47	<b>TLC: total lung mission</b> Graham Hall (Perth, WA, Australia)	1923
12:16	<b>Clinical research chart: mission alive!</b> Sanja Stanojevic (Toronto, ON, Canada)	1924

## Bronze (Hall 4) Session 257 10:45 - 12:45

### Symposium: Non-CF bronchiectasis in children

#### Diagnosis and treatment of paediatric bronchiectasis

**Aims :** The aim of this session is to present the changing features of non-CF bronchiectasis and the diagnostic tools for and the management and prevention of this condition.

**Track(s) :** **Chronic airway diseases** **Respiratory infections**

**Tag(s) :** Paediatric

**Target audience :** Epidemiologist, Junior member, Paediatrician, Physiotherapist, Pulmonologist, Respiratory physician, Respiratory therapist, Fellow, General practitioner, Lung function technician

**Chairs :** Andrew Bush (London, United Kingdom), Ahmad Kantar (Bergamo (Bg), Italy)

10:45	<b>Is protracted bacterial bronchitis a forerunner of bronchiectasis?</b> Anne Bernadette Chang (Brisbane, QLD, Australia)	1925
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11:12	<b>Lung clearance index in bronchiectasis</b> Jane C. Davies (London, United Kingdom)	1926
11:39	<b>Differences and similarities in bronchiectasis in developing and developed countries</b> Bülent Taner Karadag (Istanbul, Turkey)	1927
12:06	<b>Update on the management of bronchiectasis</b> Vikas Goyal (Brisbane, QLD, Australia)	1928
12:33	<b>ERS Statement on Protracted Bacterial Bronchitis</b> Mark Everard (Perth, WA, Australia)	1929

## Beige (South) Session 258 10:45 - 12:45

### Session: ERS publications: 2017 ERS guidelines and task forces

**Aims :** The aim of this session will be to discuss guidelines, statements and task forces published in ERS publications in 2017. This session is co-organised by the ERJ, ERR, ERJ Open Research and Breathe journals.

**Tag(s) :** Smoking prevention and cessation (HLfL)

**Target audience :** Student, Nurse

**Chairs :** Sergio Harari (Milan, Italy), Marc Humbert (Paris, France)

10:45	<b>ERS Guideline for the diagnosis of primary ciliary dyskinesia</b> Jane Lucas (Southampton, United Kingdom)	1930
11:15	<b>ERS/ATS Policy Statement: what constitutes an adverse health effect of air pollution?</b> Bert Brunekreef (Utrecht, Netherlands)	1931
11:45	<b>Definition, discrimination, diagnosis, and treatment of central breathing disturbances during sleep</b> Patrick Lévy (Grenoble, France)	1932
12:15	<b>World Health Organization treatment guidelines for drug-resistant tuberculosis, 2016 update</b> Dennis Falzon (Geneva, Switzerland)	1933

## Black (North) Session 259 10:45 - 12:45

### Hot topics: Innovative approaches to model human lung diseases

**Aims :** There is a current and rapid development of novel models to study human disease. The aim of this session is therefore to provide an overview of the possibilities and limitations of such novel models.

**Track(s) :** Chronic airway diseases Interstitial lung disease and vascular disease

**Tag(s) :** Basic translational science

**Target audience :** Clinician, Fellow, Immunologist, Junior member, Microbiologist, Pathologist, Pharmaceutical industry representative, Physiologist, Pulmonologist, Respiratory physician, Researcher, Scientist, Student

**Chairs :** Terry Tetley (London, United Kingdom), Reinoud Gosens (Groningen, Netherlands)

10:45	<b>Challenges of delivering aerosols to biological systems</b> Nathalie Heuze Vourc'h (Tours, France)	1934
11:15	<b>Microengineered systems to mimic human lung pathophysiology</b> Kambez Hajipouran Benam (Denver, United States of America)	1935
11:45	<b>Patient derived lung tissue cultures for drug identification and validation</b> Melanie Koenigshoff (Denver, United States of America)	1936
12:15	<b>Using Drosophila to study lung disease</b> Donna E. Davies (Southampton, United Kingdom)	1937

## Purple (North) Session 260 10:45 - 12:45

### Symposium: Home ventilation in COPD

Long-term mechanical ventilation in COPD: which markers should we consider? How should we monitor it? When and where should we start it?

**Aims :** To explain when, where, and how to start NIV in stable hypercapnic COPD. The main outcome variables that can be positively influenced by NIV will be described. Future concepts such as telemonitoring that can facilitate the long-term care of COPD patients and help reduce exacerbation frequency and hospitalisation will be discussed. The mechanisms by which NIV exerts its very positive effects in stable hypercapnic COPD will be detailed, with a particular focus on the latest scientific results.

**Track(s) :** Acute and chronic respiratory failure/sleep**Tag(s) :** Clinical**Target audience :** Allied health professional, Clinician, Intensivist/critical care physician, Junior member, Patient, Physiotherapist, Pulmonologist, Respiratory physician, Respiratory therapist, Trainee**Chairs :** Raffaele Scala (Arezzo, Italy), Wolfram Windisch (Cologne, Germany), Tomoaki Hoshino (Fukuoka, Japan)

10:45	<b>Patient testimonial</b>	1938
10:57	<b>Beyond quality of life: important outcome variables that are influenced by long-term noninvasive ventilation</b> Anita Simonds (London, United Kingdom)	1939
11:24	<b>Noninvasive ventilation in stable hypercapnic COPD: the pro arguments</b> Marieke L. Duiverman (Groningen, Netherlands)	1940
11:51	<b>Noninvasive ventilation in stable hypercapnic COPD: the con arguments</b> Michael Dreher (Aachen, Germany)	1941
12:18	<b>The take-home message regarding chronic NIV in COPD</b> Wolfram Windisch (Cologne, Germany)	1942

## Red (North) Session 261 10:45 - 12:45

**Oral Presentation: Update on TB: latest news****Chairs :** Raquel Almeida Ferreira Duarte Bessa Melo (Porto, Portugal), Keertan Dheda (Cape Town, South Africa)

OA1943	<b>Late Breaking Abstract - The tuberculosis diagnostic evaluation cascade of care at microscopy centers linked to Xpert MTB/RIF hubs in Uganda</b> Katherine Farr (San Francisco, United States of America), Talemwa Nalugwa, Priya Shete, Adithya Cattamanchi, Mariam Nantale, Christopher Ojok, Denis Oyuku, Sarah Nabwire, Katherine Fielding, Moses Joloba, Frank Mugabe, David Dowdy, David Moore, J. Lucian Davis, Achilles Katamba
OA1944	<b>Multidrug- and rifampicin-resistant tuberculosis (MDR/RR-TB) : global response</b> Dennis Falzon (Geneva, Switzerland), Ernesto Jaramillo, Karin Weyer
OA1945	<b>Pediatric multidrug-resistant tuberculosis in Belgium: a nationwide retrospective cohort study.</b> Kelly Salmon (Tielt-Winge, Belgium), Guido Groenen, Sophie Blumental, Frédéric Lebrun, Petra Schelstraete, Susanne Van Steijn, Françoise Mouchet
OA1946	<b>Provision of systematic testing for active TB in refugees at CPSA centers</b> Lucia Barcellini (novara, Italy), Emanuele Borroni, Giovanna Stancanelli, Elisa Tagliani, Alberto Matteelli, Bruno Cacopardo, Sergio Pintaudi, Diana Cinà, Daniela Maria Cirillo, Serena Leotta
OA1947	<b>Latent tuberculosis infection in young refugees in Germany a multicentre, cross-sectional study</b> Maya Mueller-Hermelink (Hamburg, Germany), Benedikt Methling, Cornelius Rau, Isabell Auer, Robin Kobbe, Folke Brinkmann
OA1948	<b>What is the optimal follow-up period for TB contacts- experience from a a population-based study in a TB-endemic area</b> Jia-Yih Feng (Taipei, Taiwan), Ming-Che Lee, Sheng-Wei Pan, Wei-Juin Su
OA1949	<b>Antibody and host inflammatory biomarker combinations as diagnostic tools for TB disease</b> Ruschca Jacobs (Cape Town, South Africa), Novel Chegou, Gerhard Walzl
OA1950	<b>IP-10 point-of-care tests for monitoring treatment efficacy in tuberculosis in a low-resource setting</b> Ida Marie Hoel (Bergen, Norway), Melissa Davidsen Jørstad, Morten Ruhwald, Tehmina Mustafa, Anne Ma Dyrhol-Riise

## Space 1 + 2 (South) Session 262 10:45 - 12:45

**Oral Presentation: Idiopathic pulmonary fibrosis (IPF): clinical problems****Chairs :** Martina Vasakova (Prague, Czech Republic), Maria Molina Molina (Hospitalet de Llobregat (Barcelona), Spain)

OA1951	<b>Prognostic significance of Glasgow Prognostic Score in patients with acute exacerbation of idiopathic pulmonary fibrosis</b> Yong Hyun Kim (Bucheon, Gyeonggi-do, Republic of Korea), Hye Seon Kang, Soon Seog Kwon, Jin Woo Kim
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**OA1952 Late Breaking Abstract - Assessment of disease progression in IPF patients using Functional Respiratory Imaging (FRI)**  
Jan De Backer (Kontich, Belgium), Maarten Lanclus, Seth Porter, Benjamin Mignot, Elias Kouchakji, Eduard Gorina, Cedric Van Holsbeke, Wim Vos, Johan Clukers, Wilfried De Backer, Jonathan Goldin, Charles Mussche

**OA1953 Analysis of comorbid conditions in 1210 IPF patients from the EMPIRE registry**  
Dragana M. Jovanović (Beograd, Republic of Serbia), Nesrin Mogulkoc, Martina Sterclová, Beata Zolnowska, Vladimír Bartos, Martina Plačková, Veronika Müller, Ladislav Lacina, Robert Slivka, Martina Doubková, Marina Roksandi Milenkovic, Radka Bittenglová, Imrich Jonner, Magdalena Martusewicz-Boros, Monika Žurková, Ilona Binková, Małgorzata Sobiecka, Richard Tyl, Marzena Trzaska-Sobczak, Paweł Sliwinski, Vladimíra Lošáková, Sebastian Majewski, Pavlína Lisá, Katarzyna Lewandowska, Hana Šulďová, Jasna Tekavec-Trkanjec, Amelia Szymanowska-Narloch, Lenka Šišková, Anikó Bohács, Ján Plutinský, Bohumil Matula, Štefan Tóth, František Petrák, Margita Buceková, Jana Pšikalová, Miklós Zsiray, Jaroslav Lnenička, Vladimír Hájek, Zsuzsanna Szalai, Zoltán Balikó, Štefan Laššán, Pavlína Musilová, Imre Lajkó, Tomáš Snížek, Jan Anton, Jiří Homolka, Peter Palúch, Róbert Vyšehradský, Renata Králová, Jan Kervitzer, Daniel Doležal, Maria Szilasi, Jan Kus, Marta Hájková, Michal Svoboda, Jana Strenková, Martina Vašáková

**OA1954 Exacerbations, hospitalisations and mortality in patients with idiopathic pulmonary fibrosis in clinical practice: INSIGHTS-IPF registry**  
Juergen Behr (München, Germany), David Pittrow, Antje Prasse, Hubert Wirtz, Dirk Koschel, Stefan Andreas, Martin Claussen, Christian Grohé, Heinrike Wilkens, Lars Hagmeier, Dirk Skowasch, F. Joachim Meyer, Joachim Kirschner, Sven Gläser, Felix J.F. Herth, Tobias Welte, Claus Neurohr, Martin Schwaiblmair, Matthias Held, Thomas Bahmer, Silke Geier, Jens Klotsche, Marion Frankenberger, Michael Kreuter

**OA1955 Frequency and risk factors associated to Interstitial Lung Abnormalities (ILA) in asymptomatic older (>60 years) individuals**  
Ivette Buendia Roldán (MÉXICO D.F, Mexico), Ivette Buendia Roldán, Karen Martinez-Espinosa, Mayra Mejia, Eduardo Montes, Marco Checa, Melannie Königshoff, Annie Pardo, Moises Selman

**OA1956 Voxelwise lung pattern transition scores on HRCT images and their association with symptoms in patients with idiopathic pulmonary fibrosis**  
GraceHyun Kim (Los Angeles, United States of America), Matthew Brown, Pechin Lo, Jonathan Goldin

**OA1957 Automatic quantitative fibrosis scores at baseline is a predictor of progression in patients with IPF**  
GraceHyun Kim (Los Angeles, United States of America), Matthew Brown, Jonathan Goldin, Peiyun Lu, Eduard Gorina, Seth Porter

**OA1958 QLF change is more sensitive than FVC change in predicting Progression Free survival (PFS) in IPF trials**  
Jonathan Goldin (Santa Monica, United States of America), Grace Kim, Peiyun Lu, Eduard Gorina, Matthew Brown

Space 3 + 4 (South)

Session 263

10:45 - 12:45

Oral Presentation: The lungs and the heart during exercise

Chairs : Matteo Bonini (London, United Kingdom), Luis Puente Maestu (Madrid, Spain)

**OA1965 Limitations of exercise tolerance in patients with IPF.**  
Jan Chlumsky (Praha 4, Czech Republic), Martina Vasakova, Martina Sterclova, Jan Anton, Peter Paluch

**OA1961 Ventricular-arterial coupling is improved following exercise training in COPD**  
Jinelle Gelinias (Lake Country, BC, Canada), Neil Eves

**OA1960 Left ventricular volume and wall stress are linked to lung function impairment in COPD**  
Peter Alter (MARBURG, Germany), Rudolf Jörres, Henrik Watz, Tobias Welte, Sven Gläser, Holger Schulz, Robert Bals, Frank Biertz, Emiel Wouters, Jørgen Vestbo, David Young, Claus Vogelmeier

**OA1962 Bronchodilators do not change ventilatory efficiency during exercise in COPD**  
Amany Fathy Elbehairy (Alexandria, Egypt), Denis O'Donnell, Katherine Webb, J. Alberto Neder

**OA1963 Hemodynamic effects of incremental dynamic hyperinflation**  
William Spencer Cheyne (Kelowna, Canada), Jinelle Gelinias, Laura Harp, Neil D Eves

**OA1964 Short and long-term effects of pulmonary endarterectomy on ventilatory responses and exercise capacity of patients with chronic thromboembolic pulmonary hypertension**  
Roberta Pulcheri Ramos (Sao Paulo/Sp, Brazil), Eloara VM Ferreira, Angelo Cepeda, Carolina Messina, Rudolf Oliveira, Camila Costa, Danielle Bedin, JA Neder, LE Nery, Jaqueline Sonoe Ota-Arakaki

**OA1959 Late Breaking Abstract - An exercise training program improves endothelial function in COPD patients**  
Eva Bernardi (Vazzola, Italy), Carlotta Merlo, Federico Bellotti, Giovanni Grazi, Annalisa Cogo

- OA1966** **Chemosensitivity and ventilatory inefficiency in pulmonary vascular diseases**  
Jason Weatherald (Calgary, AB, Canada), Caroline Sattler, Athénaïs Boucly, Xavier Jaïs, Laurent Savale, David Montani, Gérald Simonneau, Marc Humbert, Gilles Garcia, Pierantonio Laveneziana, Olivier Sitbon

**Pink (South) Session 264 10:45 - 12:45**

**Oral Presentation: Clinical update on bronchiectasis and nontuberculous mycobacteria (NTM) infections**

**Chairs :** James D. Chalmers (Dundee, United Kingdom), Eva Polverino (Barcelona, Spain)

- OA1967** **Late Breaking Abstract - The prevalence and burden of Pseudomonas aeruginosa among bronchiectasis patients in Europe- data from the FRIENDS cohort**  
James D. Chalmers (Dundee, United Kingdom), Simon Finch, Michal Shteinberg, Pieter Goeminne, Adam Hill, Glenda Stone, Marion Trautmann, Angela Davis, Stefano Aliberti, Thomas Fardon, Dusanka Obradovic, Katerina Dimakou, Eva Polverino, Anthony De Soyza, Melissa McDonnell

- OA1968** **The association between gastro-oesophageal reflux and exacerbations of bronchiectasis: data from the EMBARC registry**  
Melissa McDonnell (Galway, Ireland), Robert Rutherford, Anthony De Soyza, Michael Loebinger, Pieter Goeminne, Charles Haworth, Francesco Blasi, Montserrat Vendrell, Felix Ringshausen, Stefano Aliberti, Eva Polverino, James Chalmers

- OA1969** **Sputum Pregnancy Zone Protein (PZP) - a potential biomarker of bronchiectasis severity**  
Alexandria Smith (Dundee, United Kingdom), Jean-Yu Choi, Simon Finch, Samantha Ong, Holly Keir, Alison Dicker, James Chalmers

- OA1970** **Reduction of the cost associated with exacerbations after treatment with nebulized sodium colistimethate (Promixin®) in patients with bronchiectasis (BQ) and chronic bronchial infection (CBI) with Pseudomonas aeruginosa (PsA).**  
Elisabeth Garcia Cortacero (Granada, Spain), Belen Maria Navas Bueno, Jose Manuel Vaquero Barrios, Alicia Padilla Galo, Enrique Gonzalez-Moya Mondelo, Juan Carlos Bioque Rivera, Silvia Navarro Merlos, Agustin Valido Morales, Jose Luis Lopez Campos Bodineau, Rocio Jimeno, Francisco Casas Maldonado, Manuel Arenas Gordillo

- OA1971** **Eradication treatment in Non CF bronchiectasis: The effect of inhaled antibiotics (tobramycin and colistin) on patients with pseudomonas aeruginosa**  
Maria Kaponi (ATHENS, Greece), Theodoros Karampitsakos, Argyris Tzouvelekis, Serafeim Chrysikos, Myrsini Melachroinidou, Anna Gousiou, Demosthenes Bouros, Christina Triantafillidou, Katerina Dimakou

- OA1972** **The Epidemiology of Pulmonary Nontuberculous Mycobacterial Disease in Japan**  
Ho Namkoong (Tokyo, Japan), Atsuyuki Kurashima, Kozo Morimoto, Yoshihiko Hoshino, Ato Manabu, Satoshi Mitarai, Naoki Hasegawa

- OA1973** **Changing epidemiology of pulmonary nontuberculous mycobacteria infections over a 20-year period in Biscay, Spain**  
Sandra Pedrero Tejada (Santurtzi (Vizcaya), Spain), Eva Tabernero Huguet, Idoia Salinas Garrido, Elena Urra Zalbidegoitia, Rafael Zalacain Jorge, Eunata Arana Arri, Esteban Ciruelos Ayuso, Marta Inchausti Iguñiz

- OA1974** **Cardiovascular disease risk in patients with nontuberculous mycobacteria disease treated with macrolide**  
Jieun Kang (Seoul, Republic of Korea), Ye-Jee Kim, Tae Sun Shim, Kyung-Wook Jo

**Brown 1 + 2 (South) Session 265 10:45 - 12:45**

**Oral Presentation: Electronic nicotine delivery systems (ENDS)**

**Tag(s) :** Smoking prevention and cessation (HLFL)

**Chairs :** Charlotta Pisinger (Glostrup, Denmark), Paraskevi Katsaounou (Athens, Greece)

- OA1975** **LSC - 2017 - Effects of e-cigarette vapour condensate upon human alveolar macrophage function**  
Aaron Scott (Birmingham, United Kingdom), Sebastian Lugg, Kerry Aldridge, Rahul Mahida, Phillip Howell, Davinder Dosanjh, Babu Naidu, David Thickett

- OA1976** **Dissolution of metals in e-liquids**  
Efthimios Zervas (Patra, Greece), Maria Karali, Theofilos Ioannides, Stefania Athanosopoulou, Eleni Litsiou, Paraskevi Katsaounou, Christina Gratziou

- OA1977** **Comparative assessment of the side-stream aerosols emitted from heat-not-burn tobacco devices, e-cigarettes and traditional cigarettes**  
Constantinos Sioutas (Los Angeles, United States of America), Ario Ruprecht, Cinzia De Marco, Arian Saffari, Paolo Pozzi, Roberto Mazza, Chiara Veronese, Giorgia Angellotti, Elena Munarini, Anna Chiara Oligari, Dane Westerdahl, Sina Hasheminassab, Martin Shafer, James Schauer, James Repace, Roberto Boffi

**OA1978 Evaluation of respiratory irritants among the most popular e-cigarette refill liquids across 9 European countries**  
Constantine Vardavas (Athens, Greece), Manolis Tzatzarakis, Alexander Vardavas, Charis Girvalaki, Polychronis Stivaktakis, Taxiarchis Nikolouzakis, Aristidis Tsatsakis

**OA1979 Acute effects of active e-cigarette inhalation on arterial stiffness**  
Magnus Lundbäck (Stockholm, Sweden), Magnus Lundbäck, Lukasz Antoniewicz, Amelie Brynedal, Jenny Bosson

**Yellow (North) Session 266 10:45 - 12:45**

**Oral Presentation: New insights into pulmonary hypertension from recent trials**

**Chairs :** Lewis Rubin (New York, United States of America), Olivier Sitbon (Le Kremlin-Bicêtre, France)

**OA1980 Effect of riociguat on pulmonary arterial compliance in patients with pulmonary arterial hypertension (PAH) in the RESPITE study**  
Marius M. Hoeper (Hannover, Germany), Paul A. Corris, Hossein-Ardeschir Ghofrani, James R. Klingler, David Langleben, Robert Naeije, Gérald Simonneau, Pavel Jansa, Stephan Rosenkranz, Ekkehard Grünig, Laura Scelsi, Christian Meier, Dennis Busse, Raymond L. Benza

**OA1981 Pulmonary arterial hypertension-related morbidity is prognostic for survival: insights from the SERAPHIN and GRIPHON studies**  
Marius M. Hoeper (Hannover, Germany), Vallerie V. McLaughlin, Richard N. Channick, Kelly M. Chin, Marion Delcroix, Sean Gaine, Hossein A. Ghofrani, Pavel Jansa, Irene M. Lang, Sanjay Mehta, Tomás Pulido, Bhagavatula K. S. Sastry, Gérald Simonneau, Olivier Sitbon, Rogério Souza, Adam Torbicki, Victor Tapson, Loïc Perchenet, Ralph Preiss, Pierre Verweij, Lewis J. Rubin, Nazzareno Galiè

**OA1982 Iron carboxymaltose improves exercise tolerance and right heart strain in patients with PAH and iron deficiency: A long-term pilot study**  
Tilmann Kramer (Köln, Germany), Kristiana Natsina, Thomas Viethen, Felix Gerhardt, Daniel Dumitrescu, Stephan Baldus, Stephan Rosenkranz

**OA1983 The ARROW Study: A Phase 2, Prospective, Randomized, Double-Blind, Placebo-Controlled Study of Selonsertib in Subjects with Pulmonary Arterial Hypertension**  
Gabriel Brooks (Foster City, United States of America), Stephan Rosenkranz, Jeremy Feldman, Vallerie McLaughlin, Franz Rischard, James White, Ramin Ebrahimi, Carol Satler, Robert Frantz, Tobias Lange

**OA1984 Macitentan for inoperable chronic thromboembolic pulmonary hypertension (CTEPH): results from the randomised controlled MERIT study**  
Gérald Simonneau (Le Kremlin-Bicêtre, France), Gérald Simonneau, Zhi C. Jing, Andrea M. D'Armini, Peter Fedullo, Luke Howard, Xavier Jaïs, David P. Jenkins, Nick H. Kim, Michael Madani, Nicholas Martin, Eckhard Mayer, Kelly Papadakis, Dominik Richard, Hossein A. Ghofrani

**OA1985 RISE-IIP: Riociguat for the treatment of pulmonary hypertension associated with idiopathic interstitial pneumonia**  
Steven D Nathan (Falls Church, United States of America), Juergen Behr, Harold R Collard, Vincent Cottin, Marius M Hoeper, Fernando Martinez, Tamera Corte, Anne Keogh, Hanno Leuchte, Nesrin Mogulkoc, Silvia Ulrich, Wim Wuyts, Stephen Malcolm, Sukrut Shah, Mia Yao, Athol Wells

**OA1986 Using controlled and real-world data in concert to assess survival benefits in pulmonary arterial hypertension: Insights from SERAPHIN and REVEAL**  
Raymond Benza (Pittsburgh, United States of America), Adam Torbicki, Hajime Uno, Richard Channick, Marion Delcroix, Harrison Farber, Nazzareno Galiè, Hossein A. Ghofrani, Brian Hennessy, Pavel Jansa, Michael McGoon, Sanjay Mehta, Loïc Perchenet, Tomás Pulido, Daniel M. Rosenberg, Lewis J. Rubin, Bhagavatula K. S. Sastry, Gérald Simonneau, Olivier Sitbon, Rogerio Souza, Lee-Jen J. Wei

**Brown 3 (South) Session 267 10:45 - 12:45**

**Oral Presentation: The ongoing struggle: insights into chronic lung allograft dysfunction (CLAD)**

**Chairs :** Christian Benden (Zürich, Switzerland), Geert Verleden (Leuven, Belgium)

**OA1987 Late Breaking Abstract - Functional Respiratory Imaging (FRI) and machine learning to predict organ rejection shortly after lung transplantation**  
Maarten Lanclus (, ), Cedric Van Holsbeke, Wim Vos, Jan De Backer, Veronique Verplancke, Wilfried De Backer, Eduardo Barbosa, James Lee

**OA1988 Diagnosis of chronic lung allograft dysfunction using absolute values and percentages predicted**  
Stijn Verleden (Leuven, Belgium), Anke Van Herck, Tobias Heigl, Annelore Sacreas, Hannelore Bellon, Dirk E Van Raemdonck, Bart Vanaudenaerde, Geert M Verleden, Robin Vos

**OA1989 Post hoc analysis of a randomized trial of azithromycin in bronchiolitis obliterans syndrome after Lung transplantation (BOS); Lung function and survival**  
Tji Gan (Groningen, Netherlands), Chris Ward, Jim Lordan, Gerry Meachery, Andy Fisher, Paul Corris

- OA1990 Pirfenidone in Chronic Lung Allograft Dysfunction after Lung Transplantation: A single-centre experience.**  
David Bennett (Siena, Italy), Antonella Fossi, Maria Lucia Valentini, Luca Luzzi, Piero Paladini, Paola Rottoli, Rosa Metella Refini
- OA1991 Relation of sputum and BAL neutrophils to the development of Chronic Lung Allograft Dysfunction after lung transplantation**  
Liv Ingunn Bjoner Sikkeland (Oslo, Norway), Michael Durheim, Tonje Riste, Johny Kongerud, Neil E. Alexis, Are M. Holm
- OA1992 Gene expression markers to segregate lung transplant rejection phenotypes**  
Stijn Verleden (Leuven, Belgium), Joshua Yang, Tara Sigdel, Juliane liberto, Geert Verleden, Robin Vos, bart Vanaudenaerde, Minnie Sarwal
- OA1993 A role for the mesothelium in restrictive chronic lung allograft dysfunction?**  
Annelore Sacreas (Leuven, Belgium), Tobias Heigl, Hannelore Bellon, Anke Van Herck, Birgit Weynand, Eric Verbeken, Karen Maes, Drik Van Raemdonck, Geert Verleden, Robin Vos, Bart Vanaudenaerde, Stijn Verleden
- OA1994 Bioengineered nanoparticles targeted to mesenchymal cells from patients with BOS exert anti-inflammatory activity**  
Emanuela Cova (Pavia, Italy), Simona Inghilleri, Davide Piloni, Monica Morosini, Laura Pandolfi, Miriam Colombo, Simona Mrakic-Sposta, Sarah Moretti, Sara Magni, Davide Prospero, Federica Meloni

## Amber 1 + 2 (South)

## Session 268

10:45 - 12:45

## Poster Discussion: Best abstracts in the management of chronic respiratory diseases

Chairs : Nicolino Ambrosino (Livorno, Italy), Charlotte Bolton (Nottingham, United Kingdom)

- PA1995 Breathing-swallowing discoordination associated with frequent exacerbation of COPD**  
Shinsuke Nagami (Kyoto, Japan), Yoshitaka Oku, Naomi Yagi, Susumu Sato, Ryuji Uozumi, Satoshi Morita, Yoshie Yamagata, Jun Kayashita, Kazuya Tanimura, Atsuyasu Sato, Ryosuke Takahashi, Shinya Fukunaga, Shigeo Muro
- PA1996 Effects of Exercise-induced Dyspnoea on the Aspiration Rate among Patients with AECOPD**  
Ni Liu (Guangzhou, China), Zeguang Zheng, Youxia Li, Ping Chen, Peng Hou, Zhida Wu, Andrea Aliverti, Rongchang Chen
- PA1997 Mouth Maximal Inspiratory Pressure and Sniff Nasal Inspiratory Pressure in Amyotrophic Lateral Sclerosis**  
Dan Adler (Genève, Switzerland), Anne-Chantal Héritier-Barras, Ruxandra Iancu Ferfoggia, Antoine Poncet, Laurence Genton Graf, Valerie Viatte, Jean-Paul Janssens
- PA1998 SPECIALIZED COACHING AT HOME AND DIGITAL TOOLS IMPROVE THE LEVEL OF PHYSICAL ACTIVITY AMONG CYSTIC FIBROSIS PATIENTS**  
Boubou Camara (Grenoble, France), Amélie Fuchs, Sébastien Chanoine, Jean Christophe Benitez, Véronique Vion, Catherine Llerena, Sébastien Quéant, Bernard Wuyam, Isabelle Pin
- PA1999 Correlates of objectively measured physical activity and sedentary time in individuals with mild-moderate COPD: Comparisons with apparently healthy adults**  
Mark Orme (Leicetser, United Kingdom), Sally Singh, Mike Morgan, Michael Steiner, Andrew Kingsnorth, Dale Eslinger, Lauren Sherar
- PA2000 The COPD plasmatic microenvironment induces atrophy of healthy human myotubes in vitro**  
Pascal Pomiès (MONTPELLIER cedex5, France), Pascal Pomiès, Matthias Catteau, Marine Blaquière, Farès Gouzi, Jonathan Maury, Bronia Ayoub, Jacques Mercier, Maurice Hayot
- PA2001 Asthmatics are physically active, but have low level of clinical control, aerobic fitness, and psychosocial morbidity**  
Ronaldo Aparecido Da Silva (Sao Paulo/Sp, Brazil), Patricia Gonçalves Leite Rocco, Flavio Mazzucato, Doulgas Silva Queiroz, Rafael Stelmach, Regina Maria de Carvalho-Pinto, Alberto Cukier, Milton Arruda Martins, Celso Ricardo Fernandes Carvalho
- PA2002 The effect of a prehabilitation program on cardiorespiratory capacity following neoadjuvant treatment prior to surgery for locally advanced esophagogastric cancer**  
Diego Agustin Rodriguez Chiaradia (Barcelona, Spain), Nuria Argudo, Juana M<sup>a</sup> Martinez- Llorens, Laura Visa, Laia Fontané, Ester Marco, José Manuel Ramón, Luis Grande, Manuel Pera
- PA2003 Effect of occupational exposure on COPD and mortality – A Swiss large-scale cohort study**  
Alexandra Strassmann (Zürich, Switzerland), Matthias Bopp, Holger Dressel, Milo A. Puhán, Alexander Turk, Steven S. Sadhra
- PA2004 Reference equation for maximum voluntary ventilation (MVV) in healthy Brazilian children and adolescents**  
Jaksoel Cunha Silva (SAO PAULO/SP, Brazil), Anderson José, Ideza E. Carvalho, Simone Dal Corso, Fernanda C. Lanza

- PA2005** **Dyspnea: A risk factor associated with malnutrition in hospitalized pulmonary patients**  
Ozge Aydin Guclu (BURSA, Turkey), Nilufer Aylin Acet Ozturk, Asli Gorek Dilektasli, Ezgi Demirdogen Cetinoglu, Ahmet Ursavas, Mehmet Karadag, Esra Uzaslan
- PA2006** **A general framework to implement predictive models for hospitalizations: Application to COPD**  
Habiboulaye Amadou Boubacar (Jouy-en-Josas, France), Joëlle Texereau
- PA2007** **Sustained maximal inspiratory pressure is significantly related to mortality risk in COPD**  
Magno F. Formiga (MIAMI, United States of America), Michael A. Campos, Lawrence P. Cahalin, Kira Balestrini, Landy Luna, Valeria Bagley
- PA2008** **Diagnostic value of metronome paced tachypnea in COPD-patients with dynamic hyperinflation**  
Renée Berting (Oosterhout, Netherlands), Henk Otten, Dirk van Ranst, Wieteke Stoop
- PA2009** **HOME MECHANICAL VENTILATION IN CHILE: TEN YEARS OF EXPERIENCE**  
Roberto Vera Uribe (Santiago, Chile), Rebeca Paiva Reinerio, Rodrigo Torres-Castro, Raul Valenzuela, Paola Pontoni
- PA2010** **Poor inspiratory muscle performance significantly relates to greater anxiety in patients with COPD**  
Magno F. Formiga (MIAMI, United States of America), Michael A. Campos, Lawrence P. Cahalin, Kira Balestrini, Valeria Bagley, Landy Luna
- PA2011** **Italian Register of chronically ventilated patients at home (REG.I.RE-HMV)**  
Teresa Renda (FIRENZE, Italy), Antonio Corrado, Mara Guardamagna, Andrea Rossi, Fausto De Michele, Stefano Gasparini, Venerino Poletti, # On Behalf Of Regire/Aipo Study Group
- PA2012** **Evaluation of tolerability, ease of use, perception of mucus encumbrance of an alternative device (FreeAspire®) for management secretions in patients with bulbar Amyotrophic Lateral Sclerosis.**  
Alessio Mattei (Torino, To, Italy), Elena Rindone, Sabrina Marchisio, Michela Bellocchia, Renza Ambrosanio, Giuseppe Tabbia, Elisa Clivati, Marco Bardessono, Caterina Bucca

Amber 3 + 4 (South)

Session 269

10:45 - 12:45

## Poster Discussion: New insights into pathogenesis of lung disease

Chairs : Catherine Greene (Dublin, Ireland), Louise Donnelly (London, United Kingdom)

- PA2013** **LSC - 2017 - Tissue-resident Natural Killer (NK) cell Phenotype in the Human Lung**  
Grace Cooper (Southampton, United Kingdom), Salim Khakoo, Tom Wilkinson, Karl Staples
- PA2014** **LSC - 2017 - Proteasomal Activator 200 (PA200) Regulates Cellular Proliferation: A Putative Role For IPF And Lung Cancer Pathogenesis**  
Vanessa Welk (München, Germany), Thomas Meul, Juliane Merl-Pham, Martina Korfei, Ina Koch, Nora Semren, Andreas Günther, Michael Lindner, Stefanie Hauck, Oliver Eickelberg, Silke Meiners
- PA2015** **Air-liquid interface (ALI) model of human bronchial epithelia cells for the investigation of asthma exacerbations**  
Johanna Christine Ehlers (Borstel, Germany), Sabine Bartel, Christina Vock, Heinz Fehrenbach
- PA2016** **Abnormal M1/M2 macrophage switching in small airway wall and lumen of smokers and COPD patients**  
Mathew Eapen (Hobart, TAS, Australia), Phil Hansbro, Kielan McAlinden, Richard Kim, Tillie-Louise Hackett, Chris Ward, Haydn Walters, Sukhwinder Singh Sohal
- PA2017** **Steroid resistant CD28nullCD8+NKT-like pro-inflammatory cells in COPD**  
Greg Hodge (Adelaide, SA, Australia), Hubertus Jersmann, Mark Holmes, Paul Reynolds, Sandra Hodge
- PA2018** **Volatile Organic Compounds Breathprinting of U-BIOPRED Severe Asthma smokers/ex-smokers cohort**  
Rosalia Emma (Zafferana Etnea (CT), Italy), Massimo Caruso, Paul Brinkman, Peter J. Sterk, Aruna T. Bansal, Bertrand De Meulder, Diane Lefaudeux, Charles Auffray, Stephen J. Fowler, Nicholas Rattray, Giorgio Pennazza, Per Bakke, Pascal Chanez, Ildikò Horváth, Norbert Krug, Paolo Montuschi, Marek Sanak, Thomas Sandstrom, Dominick E. Shaw, Kian Fan Chung, Ratko Djukanovic, Florian Singer, Ana R. Sousa, Sven Erik Dahlén, Johan Kolmert, Hans Weda, Teunis J. Vink, Hugo Knobel
- PA2019** **A role for miR-708-5p in the regulation of chronic mucus hypersecretion**  
Hataitip Tasena (Groningen, Netherlands), Alen Faiz, Joy van Broekhuizen, Maarten van den Berge, Wim Timens, Machteld Hylkema, Reinoud Gosens, Corry-Anke Brandsma, Irene Heijink
- PA2020** **Absence of proton-sensing TDAG8 protects against ovalbumin-induced allergic airway inflammation**  
Hiroaki Tsurumaki (Maebashi, Japan), Chihiro Mogi, Haruka Saito-Aoki, Koichi Sato, Takashi Nakakura, Masakiyo Yatomi, Yasuhiko Koga, Yoshimasa Hachisu, Akihiro Ono, Kunio Dobashi, Fumikazu Okajima, Takeshi Hisada
- PA2021** **Effect of surface functionalisation on the interaction of carbon nanotubes with primary human alveolar cells in vitro.**  
Lareb Dean (London, United Kingdom), Shu Chen, Milo Shaffer, Andrew Thorley, Teresa Tetley



- PA2022** **Involvement of miRNA-17 and -21 in regulatory T cell (Treg) function in asthma**  
Sabine Bartel (Borstel, Germany), Katja Landgraf-Rauf, Andreas Böck, Bianca Schaub, Susanne Krauss-Etschmann
- PA2023** **The role of ACN9 in the inflammatory response in the airway**  
Jin Seon Jeong (Chuncheon, Republic of Korea), Ji Hyun Kim, Jeeyoung Kim, So Hyeon Bak, Yoonki Hong, Woo Jin Kim
- PA2024** **IL-13 induces glucocorticoid resistance in iNOS expression and activity in human airway epithelial cells (HAECs)**  
Fabio Agusta (Mazara del Vallo, TP, Italy), Nicola Scichilone, Minchao Li, Emily B. Etling, John B. Trudeau, Anuradha Ray, Sally Wenzel
- PA2025** **Chemokine receptor CXCR3 expression on naive and memory B-lymphocytes of patients with COPD**  
Anatoli Tahanovich (MINSK, Belarus), Aljaksei Kadushkin
- PA2026** **Simulating the Beneficial Effects of Aerobic Exercise in Asthma in vitro: a way to Understand the Cellular Effects of Exercise in Asthma – Involvement of STAT6**  
Alana dos Santos Dias (Sao Paulo/Sp, Brazil), Thayna Queirós-Oliveira, Manoel Carneiro Oliveira-Junior, Erasmo Assumpção-Neto, Elias El-Mafarjeh, Ana Paula Ligeiro de Oliveira, Rodolfo Paula Vieira
- PA2027** **Role of the inflammasome in idiopathic pulmonary fibrosis**  
Rosalinda Sorrentino (Sorrento, NA, Italy), Michela Terlizzi, Pasquale Imitazione, Chiara Colarusso, Maria D'Amato, Alessandro Vatrella, Aldo Pinto, Antonio Molino
- PA2028** **Altered exhaled NO parameters in rheumatoid arthritis**  
Alexandra Thornadsson (Gävle, Sweden), Anders Lind, Thomas Weitoft, Marieann Högman
- PA2029** **Changes in lipid metabolism in mucopolysaccharidosis (MPS) IIIA mouse lung tissue and pulmonary surfactant**  
Sandra Orgeig (Adelaide, SA, Australia), Tamara Paget, Stephen Duplock, Marten Snel, Kim Hemsley, Emma Parkinson-Lawrence
- PA2030** **Cytoplasmic signaling of polyinosinic-polycytidylic acid stimulates a quick and potent interferon response in primary macrophages**  
Nurlan Dauletbaev (Montréal, QC, Canada), Aparna Dintakurti, Warren Viricel, Jeanne Leblond-Chain, Larry Lands

## Amber 5 + 6 (South)

## Session 270

10:45 - 12:45

## Poster Discussion: Clinical research in lung cancer: new valuable results on lung cancer detection, prognostic biomarkers, and tyrosine kinase inhibitors

Chairs : Torsten Gerriet Blum (Berlin, Germany), Matthew Evison (Manchester, United Kingdom)

- PA2031** **LSC - 2017 - The serum levels of alpha-1 antitrypsin are strongly associated with its local production by NSCLC tumor cells**  
Adam Szpechcinski (Warszawa, Poland), Renata Langfort, Emilia Debek, Dorota Giedronowicz, Włodzimierz Kupis, Piotr Rudzinski, Jolanta Zaleska, Michal Komorowski, Mateusz Florczuk, Tadeusz Orłowski, Kazimierz Roszkowski-Sliz, Joanna Choro
- PA2032** **Detection of non-small cell lung cancer by an electronic nose.**  
Sharina Kort (Enschede, Netherlands), Marjolein Brusse-Keizer, Hugo Schouwink, Jan-Willem Gerritsen, Frans de Jongh, Job van der Palen
- PA2033** **Non-invasive lung cancer diagnosis by detection of GATA6 and NKX2-1 isoforms in exhaled breath condensate**  
Guillermo Barreto (Bad Nauheim, Germany), Aditi Mehta, Julio Cordero, Stephanie Dobersch, Addi J Romero-Olmedo, Rajkumar Savai, Johannes Bodner, Cho-Ming Chao, Ludger Fink, Ernesto Guzman-Diaz, Indrabahadur Singh, Gergana Dobrova, Ulf R Rapp, Stefan Günther, Olga N Ilinskaya, Severio Bellusci, Reinhard H Dammann, Thomas Braun, Werner Seeger, Stefan Gattenlöhner, Achim Tresch, Andreas Günther
- PA2034** **Metabolomic fingerprinting of serum samples based on direct infusion mass spectrometry for lung cancer diagnosis**  
Byron Enrique Urizar Catalan (Huelva, Spain), Belén Callejón Leblic, Victoria Ignacio Barrios, Eva Vázquez Gandullo, Rocio Baya Arenas, Tamara García Barrera, José Luis Sánchez Ramos, Jesús Grávalos Guzmán, Jose Antonio Maldonado Pérez, José Luis Gómez Ariza, Antonio Pereira Vega
- PA2035** **Single Slide Assessment: the future of molecular testing in lung cancer?**  
Benjamin Diggins (Truro, United Kingdom), Leonie Gliniski, James Garvican, Meme Wijesinghe
- PA2036** **Performance of Super ARMS to Detect EGFR Mutation Status in Plasma Cell-free DNA in Advanced Non-Small Cell Lung Cancer Patients**  
Yuping Li (wenzhou, China), Hanyan Xu, Shanshan Su, Li Yang, Junru Ye, Chengshui Chen

- PA2037** **Next generation sequencing in lung adenocarcinoma of smokers with and without chronic obstructive pulmonary disease (COPD)**  
Francesca Lunardi (Padova, PD, Italy), Lorenza Pasqualini, Giorgia Nardo, Nazarena Nannini, Stefania Vuljan, Marco Schiavon, Michela Tebaldi, Daniele Calistri, Federico Rea, Stefano Indraccolo, Giuseppe Marulli, Fiorella Calabrese
- PA2038** **Effects of tumor stroma and inflammation on survival of stage I-IIp lung cancer**  
Laura Millares Costas (Badalona (Barcelona), Spain), Jordi Alcaraz, Iuliana Benchea, Josep Lluís Carrasco, Julio Sanchez de Cos, Maria Angeles Gonzalez Castro, Ana Blanco, Rosa Sanchez Gil, Mireia Serra, Ramón Rami, Jaume Sauleda, Esther Fernandez, Rosario Melchor, Luis Seijo, Leonardo de Esteban Julvez, Esther Barreiro, Eduard Monso, \* Collaborative group in lung cancer
- PA2039** **The significance of AEG-1 expression in NSCLL: correlation with prognostic markers.**  
Eleftheria Chaini (Corfu, Greece), Angelos Tsipis, Anna-Maria Athanassiadou, Dimitra Haini, Maria Gonidi, Kyriakos Hainis, Pauline Athanassiadou, Ioannis Giannopoulos
- PA2040** **Polymorphisms in mitotic checkpoint-related genes can influence survival outcomes of early-stage non-small cell lung cancer**  
Seung Soo Yoo (Daegu, Republic of Korea), Hyo-Gyoung Kang, Jin Eun Choi, Mi Jeong Hong, Sook Kyung Do, Cheng Cheng Jin, Won Kee Lee, Sun Ha Choi, So Yeon Lee, Hyun Jung Kim, Shin Yup Lee, Jaehee Lee, Seung Ick Cha, Chang Ho Kim, Yangki Seok, Eungbae Lee, Sukki Cho, Sanghoon Jheon, Jae Yong Park
- PA2041** **Association of the Monocyte Chemoattractant Protein 1 and Chemokine Receptor 2 Genetic Polymorphisms with Non-small Cell Lung Cancer in Taiwan**  
Chuen-Ming Shih (Taichung, Taiwan), Yao-Ling Lee
- PA2042** **The value of AXL expression in squamous cell carcinoma of the lung: relationship with clinicopathological parameters.**  
Eleftheria Chaini (Corfu, Greece), Anna Maria Athanassiadou, Angelos Tsipis, Dimitra Haini, Maria Gonidi, Kyriakos Hainis, Athanassiadou Pauline, Ioannis Giannopoulos
- PA2043** **Predictive factors and prognostic significance of T790M mutation in patients with EGFR-mutant NSCLC**  
Ji An Hwang (Seoul, Republic of Korea), Chang-Min Choi, Jae Cheol Lee
- PA2044** **T790M-mutation in EGFR progressive non-small cell lung cancer, role of re-biopsy and ctDNA analysis**  
Maria Jacob (PORTO, Portugal), Vanessa Santos, Adriana Magalhães, António Morais, Henrique Queiroga, José Luís Costa, Luís Cyrnes, Conceição Souto Moura, José Carlos Machado, Venceslau Hespanhol, Gabriela Fernandes, Rita Boaventura
- PA2045** **Characteristics of common and uncommon epidermal growth factor receptors gene mutations in patients with non small cell lung cancer**  
Ieva Merkyt (Kaunas, Lithuania), Neringa Vagulienė, Marius Žemaitis, Raimundas Sakalauskas
- PA2046** **Survival analysis of advanced NSCLC patients harboring EGFR mutations with zoledronate or denosumab**  
Maki Miwa (Tokyo, Japan), Yusuke Okuma, Jumpei Kashima, Yukio Hosomi
- PA2047** **Comparing different initial doses of afatinib used as first-line treatment for patients with stage IV lung adenocarcinoma**  
Yu-Chen Tsai (Kaohsiung, Taiwan), Chih-Jen Yang, Ming-Ju Tsai, Mei-Hsuan Lee, Jen-Yu Hung, Ming-Shyan Huang, Inn-Wen Chong

Amber 7 + 8 (South)

Session 271

10:45 - 12:45

## Poster Discussion: Thoracic surgery

Chairs : Dragan R. Subotic (Basel, Switzerland), Cagatay Tezel (Istanbul, Turkey)

- PA2049** **Late Breaking Abstract - Effects of inhaled iloprost on lung mechanics and bi-ventricular function assessed by tissue Doppler echocardiography during one-lung ventilation in patients with COPD**  
Su Hyun Lee, Young Jun Oh
- PA2050** **Adrenalectomy for isolated adrenal metastases in operable patients with NSCLC- single institution study.**  
Anatoli Semkov (SOFIA, Bulgaria), Danail Petrov, Georgi Iankov, Georgi Todorov
- PA2051** **Provident Diagnostic Method for Interstitial Lung Disease: Awake Uniportal Videothoracoscopy**  
Kenan Can Ceylan (Zmir, Turkey), Fatma Demirci Ucsular, Seyda Ors Kaya, Ozgur Ozturk, Sena Ugur Caliskan
- PA2052** **Unsuspected N2 disease: A retrospective analysis comparing survival in patients with suspected N2 disease in non-small cell lung cancer**  
Chihyu Chen (Taichung, Taiwan), Chiahung Chen, Weichih Liao, Chihyen Tu, Chuenming Shih

- PA2053** **A retrospective analysis to determine patient suitability for Endobronchial Lung Volume Reduction**  
David Anderson (GLASGOW, United Kingdom), Ahmer Irfan
- PA2055** **Single versus (vs) double chest tube drainage following lobectomy; do we still need to debate this or is it a 'no brainer'?**  
Georgia Hardavella (London, United Kingdom), Premjithlal Bhaskaran, Ioannis Karampinis, Nikolaos Anastasiou
- PA2056** **Minimally Invasive Thymectomy in Non-Thymomatous Myasthenia Gravis Cases**  
Kenan Can Ceylan ( Izmir, Turkey), Seyda Ors Kaya, Ozgur Ozturk, Yasar Zorlu, Muhtesem Gedizlioglu
- PA2058** **Video-assisted thoracoscopic surgery lobectomy: which patients require postoperative physiotherapy?**  
Sebastian Lugg (Birmingham, United Kingdom), Paula Agostini, Kerry Adams, Tom Smith, Maninder Kalkat, Pala Rajesh, Richard Steyn, Babu Naidu, Ehab Bishay, Alison Rushton
- PA2059** **Expression of matrix metalloproteinases (MMPs) in primary spontaneous pneumothorax: MMP-9 as a potential biomarker for surgical intervention**  
Chia-Jung Wang (Keelung City, Taiwan), Chih-Yung Chiu, Tzu-Ping Chen, Jim-Ray Chen, Shen-Hao Lai, Kin-Sun Wong
- PA2060** **Unplanned impossible tracheal intubation with double-lumen tube: a case of bronchial blocker creation**  
Gianluca Zani (Ravenna, Italy), Roberto Righetti, Marina Diamanti, Aliza Scaramuzza, Matilde Papetti, Elia Graziani, Massimo Terenzoni, Federico Domenico Baccarini, Maurizio Fusari
- PA2061** **Comparison of postoperative neutrophil-to-lymphocyte ratio and its changes between intubated and non-intubated patients during lung resection surgery**  
Mincheol Rho (Seoul, Republic of Korea), Wonjeung Hwang
- PA2062** **Preoperative pulmonary complication risk assessment in patients undergoing curative surgery for lung cancer**  
Ruslan Litvinyak (Lviv, Ukraine), Nazar Lukavetsky, Ihor Hipp
- PA2063** **Concomitant right intralobar pulmonary sequestration (IPS) and mediastinal bronchogenic cyst (MBC) in elderly patient presented with hemoptysis: case report.**  
Anatoli Semkov (SOFIA, Bulgaria), Mihail Plochev, Georgi Iankov, Danail Petrov
- PA2064** **Lung function assessment in octogenarians with lung cancer diagnosis**  
Monika Franczuk (Warszawa, Poland), Stefan Wesolowski, Piotr Rudzinski, Tadeusz Orlowski, Jerzy Usiekiewicz

## Blue 1 (North)

## Session 272

10:45 - 12:45

## Poster Discussion: NICU/ PICU: evaluating short- and long-term ventilatory management

Chairs : Suzanne W.J. Terheggen-Lagro (Amsterdam, Netherlands), Theodore Dassios (London, United Kingdom)

- PA2065** **Particle size variation of nebulized albuterol occurs while traveling through neonatal mechanical ventilation circuits.**  
Ariel Berlinski (Little Rock, United States of America), Sathyanand Kumaran
- PA2066** **Determinants of pulmonary dead space in ventilated newborn infants**  
Theodore Dassios (London, United Kingdom), Ourania Kaltsogianni, Anne Greenough
- PA2067** **Evolution of tidal volume requirements during the neonatal period in preterm infants supported by pressure limited ventilation**  
Anne Greenough (London, United Kingdom), Kamal Ali, Sabina Mughal, Iram Cockar
- PA2068** **Agreement between MATLAB® 2D and AutoCAD® methods for the evaluation of thoracoabdominal mobility in newborns**  
Silvana Pereira (NATAL/RN, Brazil), Danielle Cristina Gomes, Danilo Nagem, Valeria Gomes, Ingrid Guerra
- PA2069** **Effects of spontaneous breathing with different PEEP levels on ventilator-induced lung injury in mild ARDS**  
Paulo Magalhaes (Recife, Brazil), Paulo Magalhães, Giselle Padilha, Lillian Moraes, Bárbara Silva, Lívia Andrade, Maria do Carmo Duarte, Patrícia Rocco, Pedro Silva
- PA2070** **Validation of longitudinal, clinically applicable tidal breath exhaled NO measurements in hospitalized neonates.**  
Birgitte Schmidt (Vejby, Denmark), Pauline Reim, Andreas Jensen, Per Albertsen, Gorm Greisen, Inger Merete Joergensen
- PA2071** **Accuracy of flow and pressure parameters delivered by mechanical ventilators in use in neonatal intensive care unit (NICU): a quality control study**  
Marta Tossici (Milano, Italy), Raffaele L. Dellacà, Valentina Dell'Orto, Anna Lavizzari, Paolo E. Tagliabue, Chiara Veneroni, Fabio Mosca, Maria Luisa Ventura, Daniele De Luca
- PA2072** **Outcome of infants with right versus left sided congenital diaphragmatic hernia**  
Anne Greenough (London, United Kingdom), Kamal Ali

- PA2073** **The use of chest CT scan in evaluation of structural lung sequelae in congenital diaphragmatic hernia survivors.**  
Marijke Proesmans (Leuven, Belgium), Emma Beel, Stein Magnus Aukland, Mieke Boon, Francois Vermeulen, Anne Debeer
- PA2074** **Low-frequency oscillatory mechanics in very preterm infants with and without Bronchopulmonary Dysplasia**  
Benjamin Stoecklin (Wembley, Australia), Shannon Simpson, Graham Hall, Zoltan Hantos, Jane Pillow
- PA2075** **Longitudinal assessment of lung mechanics in preterm infants**  
Emanuela Zannin (Milano, MI, Italy), Raffaele Dellacà, Roland Neumann, Sven Schulzke
- PA2076** **Intrauterine growth retardation and lung function in prematurely born young people**  
Christopher Harris (London, United Kingdom), Samuel Morris, Alan Lunt, Anne Greenough, Janet Peacock
- PA2077** **Changes in respiratory oscillatory mechanics of spontaneously breathing preterm infants receiving CPAP over the first day of life**  
Anna Lavizzari (, Italy), Marta Tossici, Chiara Veneroni, Francesco Beretta, Fabio Mosca, Raffaele L. Dellacà, Mariarosa Colnaghi
- PA2078** **Resuscitation of prematurely born infants at birth; is airway obstruction common?**  
Katie Hunt (London, United Kingdom), Vadivelam Murthy, Prashanth Bhat, Anne Greenough
- PA2079** **Temporary tracheal stenting for airway obstruction in a neonate after pulmonary artery sling repair**  
Christina Keßler (Münster, Germany), Michael Mohr, Heymut Omran, Sabrina Lueck, Katarzyna Januszewska, Edward Malec, Claudius Werner
- PA2080** **Experience with subcutaneous treprostinil in children with pulmonary arterial hypertension**  
Alba Torrent Vernetta (Castelldefels (Barcelona), Spain), Sandra Rovira Amigo, Ignacio Iglesias Serrano, Maria Morillo, Inés de Mir Messa, Silvia Gartner, Dimpna Albert Brotons, Antonio Moreno Galdó
- PA2081** **Long term effect of palivizumab immunization on children born before 29 weeks gestation**  
Nofar Amitai (Tel Aviv, Israel), Patrick Stafler, Huda Mussaffi, Meir Mei Zahav, Hannah Blau, Dario Prais

## Blue 2 (North)

## Session 273

10:45 - 12:45

## Poster Discussion: Molecular pathways in lung development

Chairs : Jennifer J.P. Collins (Rotterdam, Netherlands), Robbert J. Rottier (Rotterdam, Netherlands)

- PA2082** **Bone morphogenetic protein 9 protects against neonatal hyperoxia-induced impairment of lung development, inflammation and fibrosis.**  
Gerry T. M. Wagenaar (Leiden, Netherlands), Xueyu Chen, Mar Orriols, El Houari Laghmani, Annemarie M. Hoogeboom, Anne C. B. Hogen-Esch, Pieter S. Hiemstra, Gert Folkerts, Marie-José Goumans, Peter ten Dijke, Nicholas Morrell, Frans J. Walther
- PA2083** **Tenascin C knockout mice have an altered lung function at newborn and adult age**  
Tiziana Patrizia Cremona (Bern, Switzerland), Matthias Roth-Kleiner, Johannes Schittny, Sandrine Gremlich Irrausch
- PA2084** **Mesenchymal Tsc2 deficiency causes retarded lung alveolarization and polycystic kidney lesion**  
Siying Ren (Los Angeles, United States of America)
- PA2085** **Fgfr2b signaling in Alveolar Epithelial type II cells following pneumonectomy in mice**  
Negah Ahmadvand (Giessen, Germany), Cho-Ming Chao, Saverio Bellusci
- PA2086** **IL-6-FOXO1 signaling as a novel mediator of metabolic programming of bronchial smooth muscle hypertrophy and asthma-like lung disease**  
Miguel Angel Alejandro Alcázar (Köln, Germany), Katharina Dinger, Philipp Kasper, Christina Vohlen, Soni Pullamsetti, Silke van Koningsbruggen-Rietschel, Eva Hucklenbruch-Rother, Jörg Dötsch, Miguel Angel Alejandro Alcázar, Jasmine Mohr
- PA2087** **Novel functional role of GH/IGF1 axis in neonatal lung fibroblasts is linked to lung growth after intrauterine growth restriction**  
Miguel Angel Alejandro Alcázar (Köln, Germany), Miguel Angel Alejandro Alcázar, Jawed Nawabi, Christina Vohlen, Katharina Dinger, Christian Klautdt, Celien Kuiper, Chansutha Thangaratnarajah, Eva Lopez Garcia, Kai-D. Nüsken, Silke van Koningsbruggen-Rietschel, Jörg Dötsch
- PA2088** **The role of FoxO transcription factors in normal and aberrant late lung development**  
Francesco Palumbo (Gießen, Germany), Werner Seeger, Rory E. Morty
- PA2089** **Maternal interleukin-5 and/or eosinophils affect airway physiology of offspring**  
Katie Lebold (Portland, United States of America), Matthew Drake, Allison Fryer, Nancy Lee, James Lee, David Jacoby

**PA2090** **The impact of caffeine on TGF- signaling and brochopulmonary dysplasia**  
Philipp Rath (Bad Nauheim, Germany), Claudio Nardiello, Jordi Ruiz-Camp, Werner Seeger, Rory E. Morty

**PA2091** **Characterization of pulmonary TCF21 positive cells during neo-alveolarisation**  
Jose Alberto Rodriguez-Castillo (Bad Nauheim, Germany), José Alberto Rodríguez-Castillo, Aglaia Ntokou, Ann Atzberger, Michelle D. Tallquist, Werner Seeger, Rory E. Morty, Katrin Ahlbrecht

**PA2092** **Mesenchymal lineage formation in the lung during development and disease**  
Elie El Agha (Giessen, Germany), Saverio Bellusci

TP-01 (Hall 4)

Session 278

12:50 - 14:40

**Thematic Poster: COPD and weaning**

**Chairs :** Ezgi Özyilmaz (Adana, Turkey), Maxime Patout (Rouen, France), Andrea Cortegiani (Palermo, Italy)

**PA2097** **Importance of neutrophil to lymphocyte ratio and platelet to lymphocyte ratio in COPD exacerbations**  
Elif Babaoglu (ANKARA, Turkey), Sevinc Sarinc Ulasli, Emine Keles, Elif Tugce Korkmaz, Deniz Koksall, Salih Emri

**PA2098** **Predictors of invasive mechanical ventilation in patients with acute exacerbation of chronic obstructive pulmonary disease**  
Gordana Pavlisa (Zagreb, Croatia), Hrvoje Puretic, Fedja Dzubur, Marina Labor, Andrea Vukic Dugac, Ana Hecimovic, Mateja Jankovic Makek, Marko Jakopovic, Miroslav Samarzija

**PA2099** **Effect of sputum bacteriology on the prognosis of patients with acute exacerbations of bronchiectasis**  
Fatma Çiftci (Ankara, Turkey), Fatma Çiftci, Deniz Dogan Mulaz moglu, Serhat Erol, Aydin Ciledag, Akin Kaya

**PA2100** **Assessment of a ventilator circuit adapter to be used in conjunction with the RespiMat\* Soft Mist Inhaler (SMI)**  
Jason Suggett (London, ON, Canada), Mark Nagel

**PA2101** **High-flow oxygen therapy for treatment of acute exacerbation of copd with bronchiectasis.**  
Claudia Crimi (Catania, CT, Italy), Alberto Noto, Enrico Heffler, Raffaele Campisi, Sandro Distefano, Nunzio Crimi

**PA2102** **The prognostic value of the dead-space fraction and other physiological parameters in the weaning process of mechanical ventilation in patients with air flow obstructive diseases**  
Gamal Agmy (Assiut, Egypt), Hala Mohammed, Abeer Hassanin

**PA2103** **Reduced AECOPD hospital admission rate by using a decision flowchart in the emergency department**  
Tessa Pletting (Leiden, Netherlands), Sarah R.J. Van Oord- Bosselaar, Tessa Nizet, Harry Heijerman

**PA2104** **Value of neutrophil-to-lymphocyte ratio, procalcitonin, and C-reactive protein in help to predict weaning outcome: a prospective, observational cohort study**  
Zujin Luo (BEIJING, China), Zhixin Cao, Yingying Zheng, Liu Yang, Sijie Liu, Jian Zhu, Na Zhao, Baosen Pang, Yingmin Ma

**PA2105** **Predictors of success in weaning from invasive mechanical ventilation (IMV) in patients admitted to an intermediate respiratory care unit: a single-centre experience in Italy.**  
Nicoletta Carpena (Pisa, PI, Italy), Alessandro Celi, Laura Carrozzi, Luciano Gabbriellini, Domiziana Pellegrini, Antonio Palla

**PA2107** **EndOxy – Long-term endothelial cell coating of oxygenator membranes**  
Christian Cornelissen (Aachen, Germany), Sarah Menzel, Lena Thiebes, Michael Dreher, Stefan Jockenhoewel

**PA2108** **Accuracy of the new timed inspiratory effort (TIE) index in prolonged weaning**  
Leonardo Souza (RIO DE JANEIRO/RJ, Brazil), Bruno Guimarães, Jocemir Lugon

**PA2109** **Acceptance criteria for intensive care: we need new definitions and legislations for futile treatment!**  
Nezihe Ciftaslan Goksenoglu (Istanbul, Turkey), Nalan Ad guzel, Donduye Ozgul, Ozlem Moc n Yaz c oglu, Huriye Berk Tak r, Feyza Karg n, Mustafa Ay, Cuneyt Salturk, Zuhul Karakurt, Ilim Irmak

**PA2110** **Eosinopenia as a prognostic factor in patients with acute exacerbation of chronic obstructive pulmonary disease.**  
Adam Bialas (Lodz, Poland), Kamil Kornicki, Maciej Ciebiada, Adam Antczak, Joanna Mi kowska - Dymanowska, Wojciech Piotrowski, Pawe Górski

**PA2111** **Admission status of respiratory, peripheral muscle strengths deficits and functionality in non-ventilated patients under intensive care**  
Maria Karoline de França Richtmoc (Recife/PE, Brazil), Wagner Souza Leite, Carlos Eduardo Santos Rego Barros, Amina Maria Soares Lima, Anielle Martinz Azevedo, Alanna Paula Vasconcelos, Erika Alves Marinho Andrade, Caio Cesar Araujo Morais, Wildberg Alencar, Maria Inês Remigio, Daniella Cunha Brandão, Armele Dornelas de Andrade, Shirley Lima Campos

TP-02 (Hall 4)

Session 279

12:50 - 14:40

## Thematic Poster: Sepsis, infections, ARDS and beyond

Chairs : Christian Bruells (Aachen, Germany), Federico Longhini (Borgomanero, NO, Italy), Murali Shyamsundar (Belfast, United Kingdom), Begüm Ergan (Izmir, Turkey)

- PA2112** **The effect of sepsis on the outcome of spontaneous breathing trial**  
Nikoletta Rovina (Athens, Greece), Anna Kyriakoudi, Ourania Koltsida, Elissavet Konstantelou, Matina Kardara, Eirini Kostakou, Giorgos Gavriilidis, Ioannis Vasileiadis, Nikolaos Koulouris, Antonia Koutsoukou
- PA2113** **Risk factors and outcomes of severe influenza pneumonia with bacterial co-infection in critically ill patients**  
Yen-Fu Chen (Douliou, Taiwan), Pei-Fen Wu, Chia-Lin Yang, Ying-Chun Chien, Kai-Lun Yu, Chung-Yu Chen
- PA2114** **Resting Energy Expenditure (REE) level is significantly associated with CRP, WBC and the Sepsis-related Organ Failure Assessment (SOFA) score in ICU septic patients**  
David Shitrit (Kfar Saba, Israel), David Dahan, Daniel King, Lilach Israeli-Shani, Gali Epstein Shochet
- PA2115** **Low vitamin D levels at ICU admission in initially non-septic patients and outcomes**  
Alice Vassiliou (Athens, Greece), Edison Jahaj, Zafeiria Mastora, Stylianos Orfanos, Anastasia Kotanidou
- PA2116** **Pleural ultrasonography, new standard for para pneumonic effusion ? French multicentric prospective study. Preliminary report**  
Youcef Douadi (Amiens, France), Camille Garoute, Isabelle Rault, Marine Gosset-woimant, Damien Basille, Bruno Philippe, Gilles Mangapian, Herve Le Floch, Sophie Laroumagne, Hughes Morel, Philippe Richard, Thomas Flament, Francois Goupil, Xavier D halluin, Arnaud Scheerperel, Isabelle Huet, Alexandre Ampere, Emmanuelle Lecuyer, Remi Suguenot, Charles Dayen, Vincent Jounieaux, Melanie Drubert
- PA2117** **Kinetics of serum adiponectin and HMWA (High Molecular Weight Adiponectin), and mortality in ICU patients with sepsis**  
Irene Karampela (Athens, Greece), Evangelia Kandri, George Antonakos, Evangelos Voyatzakis, Gerasimos-Socrates Christodoulatos, George Dimopoulos, Apostolos Armaganidis, Maria Dalamaga
- PA2118** **Circulating fetuin-A as a biomarker predicting mortality in ICU septic patients**  
Irene Karampela (Athens, Greece), Evangelia Kandri, George Antonakos, Evangelos Voyatzakis, Gerasimos-Socrates Christodoulatos, George Dimopoulos, Apostolos Armaganidis, Maria Dalamaga
- PA2119** **Mortality related factors in aspiration pneumonia**  
Fatma Erboy (Kozlu - Zonguldak, Turkey), Bulent Altinsoy, Muge Meltem Tor, Figen Atalay
- PA2120** **The role of ghrelin in critically-ill patients with sepsis**  
Stylianos Orfanos (Athens, Greece), Ioanna Nikitopoulou, Anastasia Kotanidou, Alice Vassiliou, Edison Jahaj
- PA2121** **Predictive role of central venous oxygen saturation in patients with acute type I respiratory failure**  
Hamdy Ali Mahmoud (Naser City, Egypt), Mohsan Alsafy, Mona T. hussein, Hesham Gamal
- PA2122** **Weaning from veno-venous extracorporeal membrane oxygenation (ECMO) after prolonged ECMO runtime - should patients be transferred to a specialized center?**  
Frederik Seiler (Saarbrücken, Germany), Franziska C. Trudzinski, Sabrina Hörsch, Annegret Kamp, Carlos Metz, Mohammad Alqudrah, Holger Wehrfritz, Ralf M. Muellenbach, Hendrik Haake, Robert Bals, Philipp M. Lepper
- PA2123** **Application of ultra-protective ventilation during extracorporeal membrane oxygenation – feasibility under real-world conditions**  
Frederik Seiler (Saarbrücken, Germany), Annaelle Zietz, Franziska C. Trudzinski, Philipp M. Lepper, Annegret Kamp, Robert Bals
- PA2124** **Unilateral lung edema after the removal of spontaneous pneumothorax**  
Vladimir Volchkov (ST PETERSBURG, Russian Federation), Andrey Nefedov, Andrey Boyarkin, Elizaveta Volchkova
- PA2125** **Intensive care of patients with severe influenza during the epidemic in 2016**  
Vladimir Volchkov (ST PETERSBURG, Russian Federation), Olga Titova, Dmitry Larin, Andrey Nefedov, Elizaveta Volchkova
- PA2126** **Impact of the misclassification of the severity at the time of entry in the hospital on critically ill respiratory patients' prognosis**  
Txomin Zabala Hernandez (Bilbao (Bizkaia), Spain), Amaia Artaraz Ereño, Ane Uranga Echeverria, Amaia Aramburu Ojembarrena, Amaia Garcia Loizaga, Cristobal Esteban Gonzalez, Myriam Aburto Barrenechea, Pedro Pablo España Yandiola
- PA2127** **Comparative evaluation of accuracy of pulse oximeters and factors affecting their performance in a tertiary care intensive care unit.**  
Danish Jamal (Faridabad (Haryana), India), Anupam singh, Malvinder singh

**PA2128 Comparison of NUTRIC score and MUST score for assessment of critically ill patients for early advanced nutrition therapy.**  
Fawad Hameed (Taunton, United Kingdom), Stephen Harris

**PA2129 Patient profile at intensive care units in Turkey: 922 patients multicenter prevalence study**  
Özlem Yazicioglu Mocin (Istanbul, Turkey), Ezgi Ozyilmaz, Tu Ba Onalan, Ozlem Edipoglu, Cuneyt Salturk, Gulsah Seydao Lu, Huseyin Arikan, Zerrin Ozcelik, Sema Turan, Iskender Kara, Atilla Kara, Emine Dagl , Selma Duru Bulbul, Kadriye Kahveci, Metin DinçEr, Nimet Senoglu, Huseyin Ozkarakas, I Lhan Bahar, Melike Cengiz, Atilla Ramazanoglu, Burcu Celik, Ummugulsun Gayg S Z, Gulay Kir, Ahmet Bindal, Belgin Akan, Isil Ozkocak Turan, Fatma Yildirim, Burcu Ba Ar K, Zeliha Arslan Ulukan, Serdar Efe, Murat Sungur, Sahin Temel, Seval Izdes, Derya Hosgun, Nurhan Karadeniz, Eylem Tuncay, Nezihe Goksenoglu, Ilim Irmak, Utku Datli, Avsar Zerman, Devrim Akdag, Levent Ozdemir, Gulseren Elay, Yucel Karacayir, Arzu Topeli, Pervin Hanc , Esat Kivanc Kaya, Pinar Guven, Hilal Sazak, Semih Aydemir, Gulbin Aygencel, Yusuf Aydemir, Zahide Doganay, Ozgur Komurcu, Volkan Hanci, Emre Karakoc, Didem Sozutek, Guven Coskun, Gungor Ates, Civan Tiryaki, Ay E Nur Soyuturk, Nermin Kelebek Girgin, Gulbahar Caliskan, Oben Biyikli, Necati Gokmen, Ugur Koca, Aydin Ciledag, Kezban Ozmen Suner, I Smail Ciner, Mustafa Kemal Arslantas, Fethi GüL, Sena Ataman, Cenk Kirakli, Fevziye Tuksavul, Recai Ergun, Nafiye Yilmaz, Defne Altintas, Leyla Talan, Murat Yalcinsoy, Mehmet Nezir Gullu, Perihan Ergin Ozcan, Gurseli Orhun, Yusuf Savran, Murat Emre Okur, Sedar Akpinar, Pelin Sen, Gul Gursel, Irem Serifoglu, Ender Gedik, Oner Abidin Balbay, Turkey Akbas, Sinem Cesur, HüLya YolaçAn, Seda Beyhan Sagmen, Pervin Korkmaz Ekren, Feza Bacako Lu, Begum Ergan, Ersin Gunay, Muzaffer Sanaydin, Dursun Ali Saglam, Sait Karakurt, Emel Eryuksel, Turgay çElikel, Funda Oztuna, Emine Sevil Ayaydin Murtezaoglu, Hakan Cinemre, Ahmet Nalbant, Oznur Yagmurkaya, Tugba Mandal, Belgin I Kidag

**PA2130 Prediction of readmissions to a medical intensive care unit using stability and workload index for transfer score: a single-centered retrospective cohort study**  
Huseyin Arikan (Istanbul, Turkey), Sait Karakurt, Emel Eryuksel

**PA2131 VAcHt reduction increased mortality probably due to alveolar edema in a model of lung injury induced by intestinal ischemia/reperfusion in female mice.**  
Fernanda Paula Roncon Santana (Diadema, Brazil), Evelyn Fantozzi, Fernanda Yamamoto Ricardo da Silva, Nathália Montouro Pinheiro, Iolanda de Fátima Lopes Calvo Tibério, Milton de Arruda Martins, Vânia Ferreira Prado, Marco Antônio Máximo Prado, Wothan Tavares de Lima, Ana Cristina Breithaupt Faloppa, Carla Máximo Prado

TP-03 (Hall 4)

Session 280

12:50 - 14:40

**Thematic Poster: Noninvasive ventilation for chronic respiratory failure**

**Chairs :** Dominic Dellweg (Schmallenberg Graftschaft, Germany), Peter J. Wijkstra (Groningen, Netherlands), Antoine Cuvelier (Rouen, France), Jean-Paul Janssens (Genève, Switzerland)

**PA2132 Translation and Validation of the Portuguese Severe Respiratory Insufficiency Questionnaire**  
Carla Susana Maia Farinha Ribeiro (Porto, Portugal), Daniela Ferreira, Sara Conde, Pedro Oliveira, Wolfram Windisch

**PA2133 Quality of life in stable home mechanically ventilated patients**  
Carla Susana Maia Farinha Ribeiro (Porto, Portugal), Daniela Ferreira, Sara Conde, Pedro Oliveira, Wolfram Windisch

**PA2134 Mouthpiece ventilation in neuromuscular disease**  
Anna Annunziata (Napoli, Na, Italy), Giuseppe Fiorentino, Anna Michela Gaeta, Gianfranco Scotto di Frega, Rosa Cauteruccio, Antonella Marotta, Francesco De Simone, Pasquale Imitazione, Antonio M Esquinas

**PA2135 RESPIRATORY AND SLEEP DISORDERS IN 44 SPANISH PATIENTS WITH MYOTONIC DYSTROPHY TYPE I**  
Raul Moreno Zabaleta (Madrid, Spain), Gerardo Gutierrez-Gutierrez, Maria Teresa Ramirez-Prieto, Javier Montoro-Zulueta, Carlos Casanova-Rodriguez

**PA2136 Evolution and survival of patients with Myotonic Dystrophy and non-invasive ventilation.**  
Cristina Lopez Delgado (El Vendrell, Spain), Eva Farrero Muñoz, Ana Córdoba Izquierdo, Esther Giró Bulta, Lluís Mateu Gómez, Jordi Dorca Sargatal, Enric Prats Soro

**PA2137 Factors influencing compliance to long-term respiratory therapies in patients with myotonic dystrophy type 1**  
Sandra Pedrero Tejada (Santurtzi (Vizcaya), Spain), Beatriz Gonzalez Quero, Idoia Salinas Garrido, Leyre Serrano Fernandez, Valentín Cabriada Nuño, Lorea Martinez Indart, Marta Inchausti Iguñiz, Amaia Urrutia Gajate, Marta Garcia Moyano

**PA2138 Effects of posture on tidal Expiratory Flow Limitation (EFLT) and on minimum PEEP(Positive End Expiratory Pressure) able to abolish it in Chronic Obstructive Pulmonary Disease (COPD) patients**  
Ilaria Milesi (Milano, MI, Italy), Raffaele Dellacà, Simona Cacciatore, Luca Barbano, Roberto Porta, Michele Vitacca

**PA2139 The effects of home noninvasive mechanical ventilation on the quality of life and physiological parameters of patients with chronic respiratory failure**  
AYCAN YUKSEL (ANKARA, Turkey), FATMA CIFTCI, AYDIN CILEDAG, AKIN KAYA

- PA2140** **Is it possible to reduce the carbon footprint in a regional long term ventilation service with the use of remote monitoring?**  
Rachael Moses (North Shields, United Kingdom), Samantha Wood, Charlene Taylor, Aashish Vyas, Morris Josh
- PA2141** **Characterization and survival in Duchenne muscular dystrophy with non-invasive ventilation in Chile**  
Rodrigo Torres-Castro (Santiago, Chile), Roberto Vera-Urbe, Victor Caselli, Ximena González, Raúl Valenzuela, Rebeca Paiva
- PA2142** **PHYSIOLOGICAL EFFECTS OF THREE DIFFERENT VENTILATORY MODES IN PATIENTS WITH OBESITY HYPOVENTILATION SYNDROME UNDER NOCTURNAL NONINVASIVE VENTILATION: A PILOT RANDOMIZED STUDY**  
Tiago Fernandes Pinto (Porto, Portugal), Miguel R. Gonçalves, Filipa Pires, Anabela Marinho, Marta Drummond
- PA2143** **Home non-invasive ventilation in the Canton of Geneva: population and follow-up**  
Jean-Paul Janssens (Genève, Switzerland), Chloe Cantero, Patrick Pasquina, Dan Adler, Alain Bijin Younossian, Paola Gasche
- PA2144** **Home non-invasive ventilation in the Canton of Geneva: ventilators, modes, interfaces**  
Jean-Paul Janssens (Genève, Switzerland), Chloe Cantero, Dan Adler, Patrick Pasquina, Alain Bijin Younossian, Paola Gasche
- PA2145** **Impact of nocturnal non invasive mechanical ventilation in transcutaneous CO2 values in patients with chronic respiratory failure**  
Pedro José Ramalho Rodrigues (PORTO, Portugal), Pedro José Ramalho Rodrigues, João Machado, Rita Boaventura, Tiago Pinto, Marta Drummond, Miguel Gonçalves
- PA2146** **The effect of chronic noninvasive mechanical ventilation on cognitive functions in patients with COPD**  
Fikret Kanat (Konya, Turkey), Baykal Tülek, Mecit Süerdem, Esra Yavuz Tapnar, Nart Bedin Atalay
- PA2147** **Health related quality of life in patients treated with long-term mechanical ventilation.**  
Heidi Markussen (Bergen, Norway), Gerd Karin Natvig, Sverre Lehmann, Roy Miodini Nilsen
- PA2148** **Amyotrophic lateral sclerosis: a not-so-rare disease**  
Bebiana Da Conceição Fernandes Palheiros Conde (Vila Real, Portugal), Bebiana Da Conceição Fernandes Palheiros Conde, Maria Esteves Brandão, Sara Raimundo, Ana Ferreira, Joao Carlos Winck
- PA2149** **Gastrostomy Safety in patients with Motor Neurone Disease (MND) in UK District General Hospital**  
Olivia Bird (Edinburgh, United Kingdom), Matt Quint, Kayode Adeniji
- PA2150** **Advance care planning in COPD patients on home NIV at Bart's – do we do it?**  
Anna Moore (London, United Kingdom), Poppy Denniston, Simon Lloyd-Owen
- PA2151** **NIV (Non Invasive Ventilation) criteria and Amyotrophic Lateral Sclerosis (ALS) Survival**  
Maria Luz Alonso Alvarez (Burgos, Spain), Cristina Ciorba, Estrella Ordax Carbajo, Rodrigo delaRosa Giménez, Lourdes Martin Viñe, Maria Jose Bello Sebastian, Nieves Manchado Garcia, Montserrat Pamiés Solé, Joaquin Terán Santos

## TP-04 (Hall 4)

## Session 281

12:50 - 14:40

## Thematic Poster: Noninvasive ventilation for acute respiratory failure

Chairs : Bernd Schönhofer (Hannover, Germany), Annia Fleur Schreiber (Torino, To, Italy), Mark W. Elliott (Leeds, United Kingdom)

- PA2152** **Late Breaking Abstract - ST2 predicts mortality in patients with acute hypercapnic respiratory failure treated with noninvasive positive pressure ventilation**  
Brynja Jonsdottir (Åkarp, Sweden), Asa Jaworowski, Carmen San Miguel, Olle Melander
- PA2153** **Non-invasive Ventilation (NIV) for continuous positive airway pressure (CPAP) failure: does it work?**  
Stephanie K Mansell (Guildford, United Kingdom), Abigail Roberts, Swapna Mandal
- PA2155** **Impact of Co-morbidities on the outcome of Noninvasive ventilation (NIV) in patients of COPD patients with hypercarbic respiratory failure.**  
A. S. Sandhya (Rohtak (Haryana), India), Brijesh Prajapat, Deepak Talwar
- PA2156** **Evaluation of acute NIV outcomes over three years in a university hospital**  
Vladimir Macavei (London, United Kingdom), Terry O'Shaughnessy, Dalila AbdRahman, Arshiya Mastan, Nilaani Murugesu, Dorotyya Godor
- PA2157** **Survival and characteristics of hospitalized patients with COPD who needed non-invasive mechanical ventilation during an exacerbation**  
Ana Roca Noval (Madrid, Spain), Marta Erro, Tamara Alonso, Pedro Landete, Marta Hernandez, Carmen Acosta, J B.Soriano, Julio Ancochea



- PA2158** **Could age-adjusted Charlson comorbidity index predict outcomes in patients submitted to noninvasive ventilation?**  
Mariana Meireles (Paços de Ferreira, Portugal), Ana Machado, Juliana Lopes, Sara Abreu, Inês Furtado, João Gonçalves, Ana Rita Costa, Andrea Mateus, João Neves
- PA2160** **Utility of NIV in management of transfusion-related ARDS**  
Marta Grynowska (Ivano-Frankivsk, Ukraine), Volodymyr Protas, Ivan Titov
- PA2161** **Utility of Non invasive ventilation in a mixed ICU setup**  
Ria Shah (Mumbai (Maharashtra), India), Abhay Uppe, Girija Nair, Akanksha Das, Aleena Mathew
- PA2162** **Comparison of ventilation modes for acute respiratory acidosis in COPD: a retrospective study**  
Mayerlly Carolina Uribe Rueda (Englefield Green, United Kingdom), Stephanie K Mansell, Swapna Mandal, Harriet Shannon
- PA2163** **Non-invasive ventilation in acute and acute-on-chronic respiratory failure in a respiratory ward**  
João Pedro Neiva Machado (Coimbra, Portugal), João Pedro Neiva Machado, José Coutinho Costa, Teresa Costa
- PA2164** **Response to non-invasive ventilation as a predictor for mortality in patients with acute respiratory failure due to acute exacerbation of COPD**  
Roy T.M. Sprooten (Cadier en Keer, Netherlands), Marlou T.H.F. Janssen, Dionne C.W. Braeken, Gernot G.U. Rohde
- PA2165** **Non-invasive ventilation weaning in acute hypercapnic respiratory failure**  
Paola Faverio (Limbiate, Italy), Anna Stainer, Francesca D'Arcangelo, Federica De Giacomi, Grazia Messinesi, Valentina Paolini, Anna Monzani, Paolo Sioli, Alberto Pesci
- PA2166** **Prognostic factors for readmission in patients treated with non-invasive mechanical ventilation**  
Milagros Llanos Flores (MADRID, Spain), Daniel López-Padilla, Elena Rodriguez Jimeno, Elena Ojeda Castillejo, Pilar de Lucas Ramos, Soledad López Martín
- PA2167** **Determination of poorer outcomes using NIV in acute exacerbations of COPD**  
Hannah Morrow (Liverpool, United Kingdom), David Tarpey, Sam Newton, Zaroug Wahbi
- PA2168** **Lactate as prognostic factor for length of stay in patients treated with non-invasive mechanical ventilation**  
Elena Rodriguez Jimeno (Madrid, Spain), Daniel Eduardo López Padilla, Milagros Llanos Flores, Elena Ojeda Castillejo, Pilar de Lucas Ramos, Soledad López Martín, Alicia Cerezo Lajas, Laura Ramírez García
- PA2169** **Prognostic factors of mortality after the first episode of acute hypercapnic respiratory failure treated with non-invasive mechanical ventilation**  
Elena Rodriguez Jimeno (Madrid, Spain), Daniel López Padilla, Milagros Llanos Flores, Elena Ojeda Castillejo, Alicia Cerezo Lajas, Laura Ramírez García, Pilar de Lucas Ramos, Soledad López Martín
- PA2170** **Prediction of non-invasive mechanical ventilation need with the use of BAP-65, DECAF and CURB-65 scales in a retrospective cohort**  
Ascensión María Vílchez Parras (Torredelcampo (Jaén), Spain), Ascensión María Vílchez Parras, María López López, Gerardo Pérez Chica, Celia Lacárcel Bautista

## TP-05 (Hall 4)

## Session 282

12:50 - 14:40

## Thematic Poster: New technical aspects of noninvasive ventilation

**Chairs :** Marieke L. Duiverman (Groningen, Netherlands), Claudia Crimi (Catania, CT, Italy), Szymon Skoczyński (Katowice, Poland), Wolfram Windisch (Cologne, Germany)

- PA2172** **Effects of noninvasive ventilation (NIV) settings on facial skin interface pressures: an exploratory study**  
Jaber Alqahtani (Southampton, United Kingdom), Peter Worsley, David Voegeli
- PA2173** **Impact of CPAP with humidification on the skin/mask interface microclimate and inflammatory response**  
Jaber Alqahtani (Southampton, United Kingdom), Peter Worsley, David Voegeli
- PA2174** **Semiquantitative cough strength score is a reliable score method for clinical use by patients with neuromuscular disorder.**  
Sander Steijns (Margraten, Netherlands), Roy Sprooten
- PA2175** **Longitudinal study of laryngeal response patterns to mechanical assisted cough in amyotrophic lateral sclerosis**  
Tiina Andersen (Bergen, Norway), Astrid Sandnes, Ove Fondenes, Ole-Bjørn Tysnes, John-Helge Heimdal, Thomas Halvorsen, Hege Clemm, Maria Vollsæter, Ola Drange Røksund, Roy Miodini Nilsen
- PA2176** **Mechanical insufflation-exsufflation (MIE): Current UK practice**  
Emily Ballard (London, United Kingdom), Reegan Puthussery, Hina Pattani, Joerg Steier, Michelle Ramsay, Philip Marino, Nicholas Hart, Patrick Murphy

- PA2177 Ventilation in Motor Neurone Disease (MND): what happens in practice**  
Emily Ballard (London, United Kingdom), Mike Mackie, Samiha Ismail, Reegan Puthussery, Hina Pattani, Joerg Steier, Philip Marino, Patrick Murphy, Nicholas Hart, Michelle Ramsay, Kelly Stewart, Nicholas skipper
- PA2178 Extra-thoracic tracheal behaviour in COPD, effects of noninvasive ventilation and relationships with the diaphragm**  
Manuel Baz (Montevideo, Uruguay), Agustin Arruti, Natalia De Gorriarán, Juan Alonso, Luis Dibarboure, Hector Piriz, José Pedro Arcos, Francisco Javier Hurtado, María Clara Charlin
- PA2179 Effects of automatic tailoring of Positive End Expiratory Pressure (PEEP) by Forced Oscillation Technique (FOT) during nocturnal Non-Invasive Ventilation (NIV) in Chronic Obstructive Pulmonary Disease (COPD)**  
Ilaria Milesi (Milano, MI, Italy), Roberto Porta, Simona Cacciatore, Michele Vitacca, Raffaele Dellacà, Luca Barbano
- PA2180 High-flow nasal cannula versus noninvasive ventilation on lung re-aeration and diaphragm function**  
Annia Fleur Schreiber (Torino, To, Italy), Qin Lu, Nicolas Adam, Olivier Langeron
- PA2181 Supotto Belt®: A novel, easy fitting, and sophisticated device for successful NPPV**  
Tomomi Maeda (komatsu, Japan), Mutsuko Takata
- PA2182 High Flow Nasal Cannula with warm humidified air versus Non-Invasive Mechanical Ventilation in Respiratory Failure type II**  
Ioannis Papachatzakis (Athens Glyfada, Greece), LEMONIA Velentza, Sofoklis Kontogiannis, Georgia Trakada
- PA2183 The use of remote monitoring to assess ventilator adherence and outcome within a regional home mechanical ventilation service**  
Rachael Moses (North Shields, United Kingdom), Aashish Vyas, Yin Gn
- PA2184 Facial pressure ulcers amongst children on long term non-invasive ventilation: incidence and management strategies**  
Elaine Chan (London, United Kingdom), Garry Rendle, Ruth Grychtol, Victoria Robinson
- PA2185 Evaluation of iVAPS AutoEPAP in Respiratory Failure Patients**  
Maureen Crocker (San Diego, United States of America), Lisa Wolfe, Gerald Criner, Pamela DeYoung, Robert Owens, Krishna Sundar, Sheila Tsai, Adam Benjafield, Leslee Willes, Atul Malhotra
- PA2186 In-vitro pressure analysis in nasal high flow therapy for infants**  
Rob Hagmeijer (Enschede, Netherlands), Boony Thio, Maria Pérez Zabalza, Joanne Goorhuis, Steven Wanrooij, Stefan Klooster, Rutger Hebbink, Hidde ter Wood
- PA2187 Time course of diaphragmatic ultrasonography and prognosis in patients with ALS**  
Roberto Tonelli (Castelvetro di Modena, Italy), Riccardo Fantini, Alessandro Marchioni, Ivana Castaniere, Martina Garofalo, Dario Andrisani, Antonia Sdanganelli, Marco Monelli, Mandrioli Jessica, Cini Enrico, Zona Stefano
- PA2188 Efficacy and patient comfort of a new automated ventilation feature that manages obstructive sleep apnea (OSA) during nocturnal NIV.**  
Jim McKenzie (Chicago, United States of America), Fatima Sert Kuniyoshi (Buchs, Switzerland), William Hardy, Jeremy Powers, Lauren Bedont, Jeff Jasko
- PA2189 Acute exposure to intermittent negative airway pressure elicits respiratory long-term facilitation in awake humans**  
Harry Griffin (Whitchurch, United Kingdom), Shoug Al Humoud, Josh Benson, Brendan Cooper, George Balanos

TP-06 (Hall 4)

Session 283

12:50 - 14:40

**Thematic Poster: Respiratory muscles: evaluation and pathophysiology**

**Chairs :** Christina M. Spengler (Zürich, Switzerland), Maurice Hayot (Montpellier Cédex 5, France), Esther Barreiro Portela (Barcelona, Spain), Isaac Almendros (Barcelona, Spain)

- PA2190 Near-infrared spectroscopy and indocyanine green derived blood flow index for noninvasive measurement of muscle perfusion during exercise in COPD.**  
Zafeiris Louvaris (Leuven, Belgium), Helmut Habazettl, Harrieth Wagner, Peter Wagner, Spyros Zakyntinos, Ioannis Vogiatzis
- PA2191 Generation of in-vivo length-tension curve in severe COPD with magnetic stimulation**  
Jenny Jagers (Calgary, AB, Canada), Michael Ji, WooSung Lee, Paul Easton
- PA2192 Effects of umeclidinium/vilanterol (UME/VIL) versus umeclidinium (UME) on exertional dyspnea and respiratory mechanics in moderate COPD**  
Amany Fathy Elbehairy (Alexandria, Egypt), Katherine Webb, Azmy Faisal, J. Alberto Neder, Denis O'Donnell
- PA2193 Non-invasive assessment of diaphragm contractility using surface mechanomyography in healthy subjects**  
Manuel Lozano García (Sant Vicenç dels Horts, Spain), Manuel Lozano García, Leonardo Sarlabous, John Moxham, Gerrard F Rafferty, Raimon Jané, Caroline Jolley

- PA2194** **Diaphragm excursion in Duchenne muscular dystrophy (DMD) by magnetic resonance imaging (MRI)**  
Francesca Pennati (Milano, MI, Italy), Filippo Arrigoni, Maria Grazia d'Angelo, Andrea Aliverti
- 
- PA2195** **Is there correlation between the medical Research Council and phrenic nerve conduction?**  
Rim Kammoun (Sfax, Tunisia), Zouari Héla, Kallel Nessrin, Feki Walid, Triki Leila, Kammoun Ines, Kotti Amina, Kammoun Samy, Masmoudi Kaouthar
- 
- PA2196** **Diaphragm pacing improves survival in a select group of amyotrophic lateral sclerosis.**  
Tunc Lacin (Istanbul, Turkey), Pinar Kahraman Koytak, Canan Cimsit, Nuri Cagatay Cimsit, Emel Eryuksel, Hakan Gunduz, Kayihan Uluc, Sait Karakurt, Berrin Ceyhan, Tulin Tanridag, Mustafa Yuksel
- 
- PA2197** **Lung function in seated and supine positions to predict diaphragm weakness in diaphragmatic paralysis**  
Vinicius Iamonti (Sao Paulo/Sp, Brazil), Mayra Caleffi Pereira, Jeferson George Ferreira, Letícia Cardenas, Renata Pletsch, Pauliane Vieira Santana, Carlos Roberto Ribeiro de Carvalho, Pedro Caruso, André Luis Pereira de Albuquerque, Patrícia Trevizan
- 
- PA2198** **Maximal Inspiratory Pressure vs. Inspiratory Endurance Test to assess ventilatory dysfunction in patients with early stages of Amyotrophic Lateral Sclerosis (ALS) and compare with a control group. A pilot study**  
Vinicius Iamonti (Sao Paulo/Sp, Brazil), Mayra Pereira, Jefferson Ferreira, Leticia Cardenas, Renata Pletsch, Patricia Trevizan, Pauliane Santana, Carlos Carvalho, Pedro Caruso, Andre Albuquerque, Gerson Chadi, Frederico Jorge
- 
- PA2199** **Influence of diaphragmatic control during sniff nasal inspiratory pressure on electrical activity and maximum relaxation rate of respiratory muscles in healthy subjects**  
Guilherme Fregonezi (Rio Grande do Norte, Brazil), Kadja Benício, Jéssica DM Fonceca, Fernando AL Dias, Andrea Aliverti, Vanessa Resqueti
- 
- PA2200** **Developing a new ultrasonic method to assess diaphragm movement and comparing the accuracy with existing methods.**  
Søren Helbo Skaarup (Hjortshøj, Denmark), Søren Helbo Skaarup, Anders Løkke, Christin Laursen
- 
- PA2201** **One-month repeatability of quadriceps force elicited by magnetic stimulation of the femoral nerve**  
Giulia Pellegrino (Milano, Italy), Giuseppe Sferrazza Papa, Dinas Alexonis, Hameeda Shaikh, Fabiano Di Marco, Stefano Centanni, Amal Jubran, Martin Tobin, Franco Laghi
- 
- PA2202** **Acute effects of Positive Expiratory Pressure on pulmonary dynamic hyperinflation in patients with COPD**  
Evelim Gomes (SAO PAULO/SP, Brazil), Carla Feitoza, Dirceu Costa
- 
- PA2203** **Effects of maximal volitional hyperpnoea on single-leg knee-extensor exercise tolerance**  
Robert Needham (Nottingham, United Kingdom), Graham Sharpe, Jonathan Alvarez Olieff, Michael Johnson, Dean Mills
- 
- PA2204** **Inspiratory capacity during exercise in patients with diaphragmatic paralysis**  
Ana Luiza Brandão Galotti Panico (SAO PAULO/SP, Brazil), Ana Luiza Brandão Galotti Panico, Mayra Caleffi Pereira, André Albuquerque
- 
- PA2205** **Effect of vitamin D supplementation on exercise-induced laryngeal obstruction in elite athletes**  
Renza Ambrosanio (Torino, Italy), Michela Maria Bellocchia, Filippo Patrucco, Alice Ianniello, Daniele Mozzone, Elena Rindone, Francesco Coni, Giulio Mengozzi, Gian Pasquale Ganzit, Paolo Solidoro, Caterina Bucca
- 
- PA2206** **Inspiratory muscle strength training on exercise induced laryngeal obstruction, a qualitative assessment of effect.**  
Hege Synnøve Havstad Clemm (Nesttun, Norway), Hege Synnøve Havstad Clemm, Maria Vollsæter, Ida Jansrud Hammer, John-Helge Heimdal, Thomas Halvorsen, Irisz Levai, Astrid Sandnes, Ola Røksund
- 
- PA2207** **Time-course of changes to intrathoracic pressure induced by CPAP in normal subjects**  
Michael Apps (Brentwood, United Kingdom), Emil Walsted, Matthew Pavitt, Laura Swanton, Adam Lewis, Sara Buttery, Nicholas Hopkinson, Michael Polkey, James Hull
- 
- PA2208** **Apnoea and postural equilibrium: at which lung volume?**  
Louis Clavel (Paris, France), Baptiste Sandoz, Olivier Jacq, Marie-Cécile Nierat, Philippe Rouch, Thomas Similowski, Valérie Attali
- 
- PA2209** **Effects of inspiratory muscle training and aerobic training on inspiratory muscle strength in chronic systolic heart failure patients: a pilot study**  
Patricia Fernandes Trevizan (CAMPINAS/SP, Brazil), Renata Pletsch, Mayra C. Pereira, Leticia Z. Cardenas, Jeferson G. Ferreira, Vinicius Iamonti, Pauliane V. Santana, Andre L.P. Albuquerque, Pedro Caruso, Carlos E. Negrão, Carlos R.R. Carvalho

TP-07 (Hall 4)

Session 284

12:50 - 14:40

Thematic Poster: Lung function testing

**Chairs :** Andre Albuquerque (Sao Paulo/Sp, Brazil), Sam Bayat (Grenoble, France), Nickolas Koulouris (Athens, Greece), Fabiano Di Marco (Trezzaano Sul Naviglio (Mi), Italy)

- PA2210 Associations between ventilation heterogeneity and physiological markers of airway calibre and gas trapping in healthy adults**  
Christopher Htun (St Leonards, NSW, Australia), Alun Pope, Samir Lahzami, Darren Luo, Robin Schoeffel, Craig Phillips, Paul Robinson, Gregory King
- 
- PA2211 An Investigation into the ability of people with lung disease to provide breath specimens using a roadside screening device and an evidential breath testing device.**  
Aoife O'Reilly (Dublin 3, Ireland), Aoife O'Reilly, Cian O'Reilly, Emma O'Carroll, Sarah Dowling, Geraldine Nolan, David Reynolds, Denis Cusack, Charles Gallagher, Ed McKone
- 
- PA2212 Impulse oscillometry parameters variability and response to bronchodilator in healthy adults**  
Larisa Kiryukhina (St Petersburg, Russian Federation), Olga Volodich, Liudmila Archakova, Piotr Yablonskii
- 
- PA2213 Impulse oscillometry (IO) parameters after pneumonectomy in patients with pulmonary tuberculosis (PT)**  
Larisa Kiryukhina (St Petersburg, Russian Federation), Olga Volodich, Pavel Gavrilov, Leonid Mikhailov, Natalia Nefedova, Igor Vasilyev, Armen Avetisayn, Liudmila Archakova, Piotr Yablonskii
- 
- PA2214 Detecting dynamic hyperinflation in COPD patients using a smart shirt: a pilot study**  
Ruud van Leuteren (Amsterdam, Netherlands), Timon Fabius, Frans de Jongh, Paul van der Valk, Marjolein Brusse-Keizer, Job van der Palen
- 
- PA2215 Capillary PO2 does not adequately reflect arterial PO2 in hypoxemic COPD patients**  
Friederike Sophie Magnet (Köln, Germany), Daniel Majorski, Jens Callegari, Sarah Bettina Schwarz, Wolfram Windisch, Jan Hendrik Storre, Claudia Schmoor
- 
- PA2216 Experimental and theoretical impact of hypertonic saline induction on exhaled nitric oxide**  
Cyril Karamaoun (Watermael-Boitsfort, Brussels, Belgium), Amaryllis Haccuria, Alain Michils, Benoît Haut, Alain Van Muylem
- 
- PA2217 Reversal of bronchoconstriction by inotropic drugs: comparison of dopamine, dobutamine, milrinone, adrenaline and levosimendan**  
Ferenc Peták (Szeged, Hungary), Ferenc Peták, Gergely Fodor, Barna Babik, Sam Bayat, Walid Habre
- 
- PA2218 Nitrogen multiple breath washout indices as potentially prognostic markers in idiopathic pulmonary fibrosis**  
Theresa Schreder (Bern, Switzerland), Sylvia Nyilas, Manuela Funke-Chambour, Philipp Latzin, Thomas Geiser
- 
- PA2219 Forced oscillation measurements for the assessment of respiratory function in Emirati children**  
Afaf Alblooshi (Al-Ain, United Arab Emirates), Alia AlKalbani, Mohammed Al-Houqani, Hassib Narchi, Abdul-Kader Soud, Graham Hall
- 
- PA2220 Exercise-induced bronchoconstriction: a survey of diagnostic practice in the United Kingdom**  
Sarah Drake (manchester, United Kingdom), Andrew Simpson, Stephen Fowler
- 
- PA2221 Thorax circumference, lung volumes, and ethnicity in 5000 subjects of the LifeGene study.**  
Mikaela Qvarfordt (Huddinge, Sweden), Martin Anderson, Magnus Svartengren
- 
- PA2222 Role of respiratory physiology on real-time breath-gas analysis**  
Pritam Sukul (Rostock, Germany), Phillip Trefz, Jochen Schubert, Wolfram Miekisch
- 
- PA2223 Treatment response of inhalation therapy assessed by single breath washout tests in patients with COPD**  
Insa Korten (Bern, Switzerland), Sylvia Nyilas, Michael Tamm, Anja Meyer, Philipp Latzin, Daiana Stolz, Florian Singer
- 
- PA2224 Effects of air stacking maneuver on cough peak flow and chest wall compartmental volumes of amyotrophic lateral sclerosis subjects**  
Antonio Sarmiento (NATAL/RN, Brazil), Vanessa Regiane Resqueti, Mario Emílio Teixeira Dourado-Júnior, Andrea Aliverti, Guilherme Augusto de Freitas Fregonezi, Armele Dornelas de Andrade
- 
- PA2225 Inspiratory muscle maximum relaxation rate measured from maximal sniff nasal pressure in patients with Amyotrophic Lateral Sclerosis**  
Maria Lira (Parnamirim, Brazil), Antonio Sarmiento, Andrea Aliverti, Layana Marques, Fernando A. Lavezzo Dias, Vanessa Resqueti, Guilherme A. Freitas Fregonezi
- 
- PA2226 Thoracoabdominal asynchrony and paradoxical motion during cough and quiet breathing in middle stage amyotrophic lateral sclerosis**  
Antonio Sarmiento (NATAL/RN, Brazil), Guilherme A de Freitas Fregonezi, Mario Emílio Teixeira Dourado-Junior, Andrea Aliverti, Armele Dornelas de Andrade, Veronica Franco Parreira, Vanessa Regiane Resqueti

**PA2227** **Difference of the clinical characteristics and outcome between interstitial lung disease with dermatomyositis and idiopathic interstitial pneumonia**  
Dingyun Feng (Guang zhou, China), Xiaoling Zou, Hailing Yang, Wenjuan Li, Yuqi Zhou, Tiantuo Zhang

**PA2228** **Static and dynamic hyperinflation during severe acute exacerbations of chronic obstructive pulmonary disease**  
Wouter H. van Geffen (Leeuwarden, Netherlands), Huib Kerstjens

**PA2229** **Clinical characteristics of COPD patients with tidal expiratory flow limitation**  
James Dean (Middlewich, United Kingdom), Umme Kolsum, Paul Hitchen, Vandana Gupta, Dave Singh

TP-08 (Hall 4)

Session 285

12:50 - 14:40

**Thematic Poster: Exercise testing in cardiorespiratory diseases**

**Chairs :** Luis Puente Maestu (Madrid, Spain), Roberto A. Rabinovich (Edinburgh, United Kingdom), Matteo Bonini (London, United Kingdom)

**PA2230** **Oxygen recovery kinetics after 6-min walk tests in COPD**  
Florent Baty (St. Gallen, Switzerland), Christian Ritz, Lukas Kern, Signe Marie Jensen, Martin Brutsche

**PA2232** **A pragmatic approach to establish an acceptable work rate to assess the effect of interventions on exercise endurance in COPD**  
Luiza Helena Degani-Costa (Sao Paulo/Sp, Brazil), Liliane Cunha Aranda, Danilo C. Berton, Katherine Webb, Denis E O'Donnell, J. Alberto Neder, Luiz Eduardo Nery

**PA2233** **Exercise-related periodic ventilatory irregularities in dysfunctional breathing disorder>**  
James H Hull (Surrey, United Kingdom), Hannah Fletcher, Arif Khokhar, Peter Siu Pan Cho

**PA2234** **Dyspnea – “It is all in their mind”**  
Susana Maria Gonçalves Clemente (Lisbon, Portugal), Susana Maria Gonçalves Clemente, Filipa Todo Bom, Maria Alvarenga, Sílvia Rodrigues, Liliana Gomes, Ana Frade, Inês Alves, Jorge Rosa, Sofia Furtado

**PA2235** **Determinants and consequences of exercise ventilatory inefficiency in patients with COPD-heart failure overlap**  
J. Alberto Neder (Kingston, ON, Canada), Alcides Rocha, Flavio Arbex, Priscila Sperandio, Bruno Hochhegger, Aline Soares, Danilo Berton, Frederico Mancuso, Maria Clara Alencar, Luiz Nery, Denis O'Donnell, Ligia Biazim

**PA2236** **Patterns of Oxygen Pulse Response to Incremental Exercise in Patients with Chronic Obstructive Pulmonary Disease – An Observational Study**  
Ming-Lung Chuang (Tichung, Taiwan), I-Feng Lin

**PA2237** **Static hyperinflation and decline in functional capacity in COPD patients**  
Linn Tharaldsen Aalstad (Bergen, Norway), Jon A. Hardie, Einar Thorsen, Birgitte Espehaug, Per S. Bakke, Tomas M. L. Eagan, Bente Frisk

**PA2238** **A simplified BODE score to predict mortality in patients with COPD: the role of 4-min step test**  
Elaine Vieira (Sao Caetano do Sul, Brazil), Luiza Costa, Beatriz Amorim, Lígia Oliveira, Talita Silva, Priscila Sperandio, Wladimir Medeiros, Flavio Arbex, José Neder, Roberta Ramos, Luis Nery

**PA2239** **Determinants of the 6 minute walking distance and exercise desaturations in COPD: relationships with comorbidities**  
Thierry Perez (Lille Cedex, France), Gaétan Deslée, Pierre Régis Burgel, Maeva Zysman, Denis Caillaud, Roger Escamilla, Pascal Chanez, Gilles Jebrak, Isabelle Court-Fortune, Graziella Brinchault, Pascale Nesme-Meyer, Jean Louis Paillasseur, Nicolas Roche

**PA2240** **Exercise desaturation in patients with COPD – potent marker for more severe disease progression and prognosis**  
Roman Kalinov (Krumovo, Bulgaria), Blagoi Marinov, Dimitrina Stoyanova, Vladimir Hodgev, Stefan Kostianev

**PA2241** **Effects of ageing on ventilatory response during incremental exercise in healthy elderly men**  
João Marcos Salge (Sao Paulo/Sp, Brazil), Juliana Nascimento, André Albuquerque, João Salge, Edilene Moraes, Mario Terra-Filho

**PA2242** **Is early oxygen uptake recovery altered in children born very preterm?**  
Christopher O'Dea (Perth, WA, Australia), Christopher O'Dea, Karla Logie, Graham Hall, Andrew Wilson, Jane Pillow, Georgia Banton, Shannon Simpson, Andrew Maiorana

**PA2243** **Evaluation of quality of life and respiratory function in patients with pectus excavatum.**  
Louis Daussy (Toulouse, France), Elise Noel-Savina, Jean-Pierre Chavoïn, Daniel Riviere, Alain Didier

**PA2244** **Change in pulmonary function and cardiorespiratory fitness following chemotherapy in testicular cancer patients – a pilot study**  
Elisabeth Edvardsen (Oslo, Norway), Karl-Otto Larsen, Sophie D. Fosså, Tone Ikdahl, Jon Håvard Loge, Lene Thorsen

- PA2245** **Influence of cardio-pulmonary exercise testing (CPET) on surgical decision in our center**  
Ana Maria Andres Porras (VALLADOLID, Spain), Ana Isabel García Onieva, Enrique Macías Fernández, Ignacio Lobato Astiarraga, David Vielba Dueñas, Santiago Juarros Martínez, Blanca De Vega Sánchez, Stefania Soldarini, Claudia Iglesias Pérez, Carlos Disdier Vicente
- PA2246** **Effect of pursed lip breathing on dyspnea and walking distance in interstitial lung disease: a randomized crossover study**  
Bruno-Pierre Dube (Montréal, QC, Canada), Stéfanie Parisien-La Salle, Ellie Rivest-Abel, Vincent Gosselin Boucher, Mélina Lalande-Gauthier, Claude Poirier, Hélène Manganas, Julie Morisset, Alain Steve Comtois
- PA2247** **Acute effect of exercise on ventilation inhomogeneity in adult cystic fibrosis patients**  
Georgios Kaltsakas (Athens, Greece), Nikolaos Anastasopoulos, Nikolaos Chynkiamis, Konstantinos Kotsifas, Ilias Iglezos, Ioannis Vogiatzis, Nickolaos G. Koulouris
- PA2248** **Reference values of the cardiopulmonary test of exercise at 2,240 meters of altitude**  
Silvia Cid Juárez (Vera Cruz, Mexico), Silvia Cid Juárez, Pablo Leon Gomez, Rogelio Perez Padilla, Luis Torre Bouscolet, Laura Gochicoa Rangel
- PA2249** **Who should have a hypoxic challenge test?**  
Laura Horgan (Leeds, United Kingdom), Mark Townson, Tim Sutherland

TP-09 (Hall 4)

Session 286

12:50 - 14:40

**Thematic Poster: Respiratory and exercise physiology****Chairs :** Vasileios Andrianopoulos (Schönau a. Königssee, Germany), Jason Weatherald (Calgary, AB, Canada), Eva Bernardi (Vazzola, Italy), Jørgen Vestbo (Manchester, United Kingdom)

- PA2250** **Cardiopulmonary exercise testing parameters and level of daily physical activity correlation in stable COPD patients**  
Norrachai Chanthitvech (BANGKOK, Thailand), Worawan Sirichana
- PA2251** **Detection of acute lung injury from capnogram parameters**  
József Tolnai (Szeged, Hungary), József Tolnai, Gergely H. Fodor, Ferenc Peták, Barna Babik, Walid Habre, Sam Bayat
- PA2252** **Comparison of physiologically and mathematically variable ventilations in a model of acute lung injury**  
Gergely H. Fodor (Geneva, Switzerland), Walid Habre, Na Lin, Gergely Albu, Ferenc Petak, Sam Bayat
- PA2253** **Effects of intravenous injection of TNF-a on the respiratory system of anesthetized rats**  
Tatiana Tumanova (ST PETERSBURG, Russian Federation), Viacheslav Aleksandrov
- PA2254** **Down-regulation of immunometabolism in severe COPD**  
Bruna Silva (PRESIDENTE PRUDENTE/SP, Brazil), Fábio Lira, Rebeca Silva, Juliana Uzeloto, Ana Paula Freire, Fabiano Lima, Fabricio Rossi, Rafaela Camargo, Dionei Ramos, Luis Gobbo, Ercy Ramos
- PA2255** **Long-term ventilation of normal lungs with physiologically variable breathing pattern**  
Walid Habre (Genève, Switzerland), Magali Walesa, Sam Bayat, Gergely Albu, Aurélie Baudat, Ferenc Petak
- PA2256** **Bi-level positive pressure ventilation increases exertional inspiratory capacity and improves breathlessness in heart failure patients with co-morbid COPD**  
Priscila Sperandio (SAO PAULO/SP, Brazil), Aline Souza, Maria Clara Noman, Flavio Arbex, Gabriela Siqueira, Wladimir Medeiros, Adriana Mazzuco, Mayron Oliveira, Denis O'Donnell, Luiz Eduardo Nery, Jose Neder
- PA2257** **A case of congenitally corrected transposition of great arteries:benefits of Ivabradine on exercise**  
Elisa Pagliaroli (monte san giovanni campano, Italy), Pasquale Franciosa, Mattia Internullo, Francesco Vaccaro, Giuseppe Giunta, Giovanna Bosco, Francesco Fedele, Paolo Palange
- PA2258** **Lung hyperinflation is related to poor sleep quality in patients with COPD**  
Renata Marques (Porto Alegre/Rs, Brazil), Danilo Berton, Nicolle Domnik, Helen Driver, Amany Elbehairy, Simone Fagondes, Michael Fitzpatrick, Denis O'Donnell, J Alberto Neder
- PA2259** **Effectiveness of approaches to choking due to foreign body airway obstruction - a physiological study**  
Matthew Pavitt (Billingshurst, United Kingdom), Laura L Swanton, Matthew Hind, Michael Apps, Michael I Polkey, Malcolm Green, Nicholas S Hopkinson
- PA2260** **Factors associated with current smoking in COPD patients**  
Dilek Karadoğan (Artvin, Turkey), Özgür Önal, Deniz Saygıođlu, Sonur Yazıcıođlu, Yalçın Kanbay
- PA2261** **Physical activity in patients with sarcoidosis**  
Thomas Bahmer (Großhansdorf, Germany), Henrik Watz, Maria Develaska, Benjamin Waschki, Klaus F. Rabe, Helgo Magnussen, Detlef Kirsten, Anne-Marie Kirsten

- PA2262** **Daily physical activity and lung function decline in adult-onset asthma**  
Juho Loponen (Tampere, Finland), Hannu Kankaanranta, Minna Tommola, Pinja Ilmarinen, Onni Niemelä, Leena Tuomisto, Pentti Nieminen, Lauri Lehtimäki
- PA2263** **Impact of initial endurance time value on the prognostic value of the constant workrate test following pulmonary rehabilitation**  
Bruno-Pierre Dube (Montréal, QC, Canada), Riham Elmahboubi, Claude Poirier, Mélina Lalande-Gauthier, Benoit Sauvageau
- PA2264** **The lung function response to exercise challenge testing and eucapnic voluntary hyperpnoea**  
Stephen How (Gloucester, United Kingdom), Joseph Ffoulkes, Simon Fryer
- PA2265** **Lower body positive pressure effects on cardiorespiratory response to submaximal running exercise.**  
Barbara Uva (Lausanne, Italy), Frederic Stucky, Bengt Kayser
- PA2266** **Comparison between cardiopulmonary exercise testing parameters measured in a healthy elderly sample and values from predicted equation for general adults**  
João Marcos Salge (Sao Paulo/Sp, Brazil), João Salge, Juliana Nascimento, Mario Terra-Filho, Andre Albuquerque, Edilene Moraes
- PA2267** **Resistive or dynamic exercise stress testing of the pulmonary circulation**  
Yoshiki Motoji (BRUXELLES, Belgium), Kevin Forton, Beatrice Pezzuto, Vitalie Faoro, Robert Naeije
- PA2268** **Larger exercise-induced lung comets increase in adults born preterm in hypobaric vs. normobaric hypoxia**  
Mathias Poussel (Vandoeuvre-Les-Nancy, France), Tadej Debevec, Claudio Sartori, Sarah Willis, Grégoire Millet
- PA2269** **Does 'live high-train low' hypoxic training really improves endurance capacity of long distance runners?**  
Snehunsu Adhikari (PATIALA (PUNJAB), India), Radhica Sreeman, Sanjay Saraswat, Tambi Medabala, Wazir Singh

## TP-10 (Hall 4)

## Session 287

12:50 - 14:40

## Thematic Poster: Efficacy of and compliance with obstructive sleep apnoea treatment

**Chairs :** Ludger Grote (Gothenburg, Sweden), Oana Claudia Deleanu (Bucuresti, Romania), Jose M. Marin Trigo (Zaragoza, Spain), Holger Woehrle (Blaubeuren, Germany)

- PA2270** **Change in weight and central obesity by positive airway pressure treatment in obstructive sleep apnea patients: Longitudinal data from the European Sleep Apnea Database (ESADA)**  
Ding Zou (Göteborg, Sweden), Ozen K. Basoglu, Mehmet Sezai Tasbakan, Jan Hedner, Silke Ryan, Johan Verbraecken, Pierre Escourrou, Ulla Antalainen, John Arthur Kvamme, Marisa R Bonsignore, Sofia Schiza, Ludger Grote on behalf of the ESADA network
- PA2271** **Effects of CPAP on clinic blood pressure in patients with obstructive sleep apnea: 10 years follow –up**  
Akemi Matsuo (Nagano, Japan), Kei Sonehara
- PA2272** **Follow up of OSA patients after 10 years of diagnosis**  
Javier Berraondo Fraile (Palma De Mallorca, Spain), Andrés López Pardo, Aida Sánchez Dalmar, Andrés Maimó Bordoy, Zaid Al-Nakeeb, Salvador Pons Vives, Rubén Garrido Llamas
- PA2273** **Effects of CPAP treatment on anxiety and depression in patients with OSAS**  
Natalia Fouz Rosón (Barcelona, Spain), Carolina Panadero Paz, Virginia Almadana-Pacheco, Cristina Benito-Bernáldez, Pedro Juan Rodríguez-Martín, Laura Martín-Bejarano, Jose María Benítez-Moya, Agustín Valido-Morales, Jesús Sánchez-Gómez
- PA2274** **Effect of Continuous Positive Airway Pressure (CPAP) on High-Sensitivity C-Reactive Protein levels (hs-CRP) in Patients with Obstructive Sleep Apnea (OSA)**  
Kanlaya Panjapornpon (Khon Kaen, Thailand), Piamlarp Sangsayunh, Kittima Bangpattanasiri, Satreerat Jun-Kroot, Watcharaporn Pumpothong, Sunsanee Pungtaway, Arranee Tupwang
- PA2275** **Effect of CPAP therapy on neutrophil to lymphocyte ratio and platelet to lymphocyte ratio in patients with obstructive sleep apnea.**  
Sinem Nedime Sökücü (Istanbul, Turkey), Sinem Nedime Sökücü, Cengiz Özdemir, Senay Aydın, Seda Tural Önür, Kaan Kara
- PA2276** **CPAP in the elderly with non-severe obstructive sleep apnea: effect on cardiovascular events and somnolence.**  
Laura Rarmirez Garcia (MADRID, Spain), Daniel López Padilla, A. Cerezo Lajas, Soledad López Martín, Milagros Llanos Flores, Elena Rodríguez Jimeno, Elena Ojeda Castillejo, Pilar de Lucas Ramos
- PA2277** **Automatic positive airway pressure for obstructive sleep apnoea in heart failure with reduced ejection fraction: first results of the randomized controlled APAP trial**  
Olaf Oldenburg (Bad Oeynhausen, Germany), Birgit Wellmann, Henrik Fox, Dieter Horstkotte, Thomas Bitter

- PA2278 Adaptive servoventilation in patients with heart failure and sleep-related breathing disorder: predictors of usage behaviour**  
Leonie Kolb (Regensburg, Germany), Maximilian Malfertheiner, Katharina Heider, Michael Arzt
- PA2279 Telemedicine in Obstructive Sleep Apnea (OSA) patients with limited internet knowledge to control their CPAP: CLIC-CPAP. Justification, design and methodology**  
Onintza Garmendia (Lasarte Oria, Spain), JM Montserrat, Cristina Embid, Vera M Lugo, Marta Torres, Jair Villanueva, Concepcion Ruiz, Ramon Farre, Monique C Suarez
- PA2280 Patient satisfaction with a Telephone based intervention service post CPAP setup at a District General Hospital.**  
Sajeev Ranmuthu (Maidstone, United Kingdom), Sandip Banerjee
- PA2281 Telemonitoring versus usual care in continuous positive airway pressure users: cost analysis**  
Heikki Ekroos (Kerava, Finland), Tanja Karvonen, Jarmo Hahl
- PA2282 CPAP compliance with telemedicine at Medway Maritime Hospital: A retrospective, randomised pilot study.**  
Sajeev Ranmuthu (Maidstone, United Kingdom), Sandip Banerjee
- PA2283 Therapy termination and apnoea-hypopnoea index (AHI)/central apnoea index (CAI) trajectories during continuous positive airway pressure (CPAP) therapy**  
Holger Woehrle (Blaubeuren, Germany), Jeff Armitstead, Dongquan Liu, Adam Benjafield, Jean-Louis Pepin, Shiyun Shao, Peter Cistulli, Atul Malhotra
- PA2284 Determinants of CPAP compliance in bariatric patients with obstructive sleep apnoea**  
Peter Siu Pan Cho (London, United Kingdom), Joseph Patrick Hetherington, Rachel Kirby, Kai Kong Lee
- PA2285 Adherence to continuous positive airway pressure in women with obstructive sleep apnoea**  
Nuria Reyes Nuñez (Sevilla, Spain), Nuria Reyes Nuñez, Monica González-Martinez, Angeles Sánchez-Armengol, Bernabe Jurado-Gamez, Jose Cordero-Guevara BsC (Stat), María F. Troncoso , Araceli Abad-Fernandez, Joaquin Teran-Santos , Julian Caballero-Rodriguez, Mercedes Martin-Romero , Ana Encabo-Motiño, Miguel A. Martinez-Garcia, Lirios Sacristan-Bou , Javier Navarro-Esteva , María Somoza-Gonzalez , Juan F. Masa, Maria A. Sanchez-Quiroga , Beatriz Jara-Chinarro , Belen Orosa-Bertol , Francisco Campos-Rodriguez
- PA2286 Automatic bilevel ventilation (AutoBI) in obstructive sleep-disordered breathing (SDB): clinical features and compliance to treatment**  
Pierpaolo Baiamonte (Palermo, PA, Italy), Claudia I Gruttad'Auria, Emilia Mazzuca, Claudia Marino, Davide Lo Nardo, Alessandra Castrogiovanni, Maria R Bonsignore
- PA2287 Association between change in positive airway pressure (PAP) mask type and therapy compliance**  
Holger Woehrle (Blaubeuren, Germany), Michael Arzt, Andrea Graml, Ingo Fietze, Peter Young, Joachim Ficker, Helmut Teschler
- PA2288 Kinesthetic stimulation for obstructive sleep apnea syndrome: an “on-off” proof of concept trial**  
Alfredo Hernandez (Rennes, France), Diego Oswaldo Perez Trenard, Delphine Feuerstein, Corinne Loiodice, Laurence Graindorge, Gustavo Guerrero, Nadège Limousin, Frédéric Gagnadoux, Yves Dauvilliers, Renaud Tamisier, Arnaud Prigent, Philippe Mabo, Amel Amblard, Lotfi Senhadji, Jean-Louis Pépin
- PA2289 Effect of Tai Chi and Qigong exercises in the patients with obstructive sleep apnea syndrome**  
Gülhan Yilmaz Gökmen (Istanbul, Turkey), Muhammet Emin Akkoyunlu, Lutfiye Kilic, Esra Pehlivan, Candan Algun

TP-11 (Hall 4)

Session 288

12:50 - 14:40

## Thematic Poster: Diagnostic approaches to obstructive sleep apnoea

Chairs : Wilfried De Backer (Edegem (Antwerp), Belgium), Stefan A. Mihaicuta (Timisoara/Timis, Romania), Thomas Penzel (Berlin, Germany), Sebastian Ott (Bern, Switzerland)

- PA2290 Development of a model, named No-Apnoea, for screening of obstructive sleep apnoea in adults.**  
Ricardo Luiz De Menezes Duarte (Rio De Janeiro/Rj, Brazil), Marcelo Fouad Rabahi, Tiago Soares de Oliveira Sá, Fernanda Carvalho de Queiroz Mello, Flavio José Magalhães-da-Silveira
- PA2291 Comparison of STOP-BANG questionnaire (SBQ) & Epworth Sleepiness scale (ESS) to assess pre-test probability of Obstructive Sleep Apnoea (OSA).**  
Kapil Salgia (Mumbai (Maharashtra), India), Neel Thakkar, Pratibha Singhal, Swapnil Kulkarni, Vivek Toshniwal, Indu MadathiparambilChandran
- PA2292 Association between sodium bicarbonate and STOP-BANG questionnaire in OSA screening**  
Marco António Pacheco Pereira (Paio Pires, Portugal), Teresa Pequito, Ana Lutas, João Valença, Richard Staats, Mónica Grafino, Sofia Furtado



- PA2293** **Role of the educational level on the self-assessment of somnolence by using the Epworth Sleepiness Scale Questionnaire in patients with obstructive Sleep Apnea (OSA)**  
Pierluigi Carratù (Bari, BA, Italy), Lorenzo Marra, Pierluigi Carratù, Vitaliano Quaranta, Silvano Dragonieri, Maria Rosaria Vulpi, Onofrio Resta, Giorgio Castellana
- 
- PA2294** **Primary care diagnosis of sleep apnoea syndrome in the Girona Healthcare area**  
Eric Rojas Calvera (Girona, Spain), Susana Mota Casals, Immaculada Castellà i Dagà, Anton Obrador Legares, Mercè Salvans Sagué, Emilio Marco Segarra, Xavier Espuña Capote, Maria Buxó Pujolràs, Rafel Ramos Blanes, Ramon Orriols Martínez, Daniela Soledad Torres Scianca
- 
- PA2295** **Multidisciplinary evaluation can find effective alternative treatment to CPAP in OSA patients**  
Marco Mantero (Cinisello Balsamo (MI), Italy), Daniela Carioli, Michele Romano, Noemi Borsa, Mirko Marra, Eleonora Tobaldini
- 
- PA2296** **Obstructive Sleep Apnea Syndrome network care: diagnostic and therapeutic agreement between Sleep Lab Unit and Primary Care**  
Patricia Peñacoba (Hospitalet de Llobregat (Barcelona), Spain), M<sup>a</sup> Antònia Llauger Roselló, Rosa M<sup>a</sup> Miralda Galán, Leandra Domínguez Olivera, Ana M<sup>a</sup> Fortuna Gutiérrez, Anna M<sup>a</sup> Pedro Pijoan, Pepi Valverde Trillo, José Ignacio Aoiz Linares, Joan Bayó Llibre, Núria Argemí Saburit, Casimira Medrano Medrano, Marineus Puig García, Joan Juvanteny Gorgals, Montserrat Reverté Simó, Xavier Flor Escriche, M<sup>a</sup> Angeles Santos Santos, M<sup>a</sup> del Mar Fraga Martínez, Carme Santiveri Gilabert, Gabriel Sampol Rubio, Patricia Lloberes Canadell, Núria Grau Sanmartí, Vicente Plaza Moral, Mercè Mayos Pérez
- 
- PA2297** **Diagnostic utility of a nasal/oral cannula with linearized pressure flow in comparison to AASM recommended combination of thermal and nasal pressure sensor**  
Gert Kùchler (Randersacker, Germany), Gert Kùchler, Ingo Fietze, Markku Partinen, Poul Joergen Jennum, Holger Hein, Ralf Warmuth
- 
- PA2298** **Validation of assisted automated scoring versus manual scoring of polysomnography (PSG) studies**  
Matthew Thomas (LIVERPOOL, United Kingdom), Heather Engleman, Ann Cooper, Lauren Creswick, Matt Thomas, Neena Derashri, Tom Kelly, Jonathan Leahy
- 
- PA2299** **Single-channel-estimation of sleep quality and heart rate using a novel contactless device**  
Sarah Terjung (Essen, Germany), Jan Geldmacher, Sebastian Brato, Helmut Teschler, Jürgen Götze, Gerhard Weinreich
- 
- PA2300** **Bench assessment of a new portable automatic positive airway pressure device for sleep apnea.**  
Jair Villanueva (Barcelona, Spain), Valentina Isetta, Daniel Navajas, Ramón Farré, Josep Montserrat
- 
- PA2301** **Comparison of Manual and Automatic Scoring of limited channel sleep studies:Noxturnal Software correlates well with manual scoring in severe OSA.**  
Nuno Cachada (Birmingham, United Kingdom), Maximillian Thomas, Simon Wharton
- 
- PA2302** **Pulse wave analysis but not polysomnography recognizes sleep apnoea patients with increased cardiovascular risk**  
Ding Zou (Göteborg, Sweden), Jan Hedner, Ludger Grote, Martin Glos, Thomas Penzel, Ingo Fietze, Joachim Ficker, Winfried Randerath, Bernd Sanner, Dirk Sommermeyer
- 
- PA2303** **Nocturnal Pulse Wave Analysis in Stable Cardiovascular Patients**  
Alessandra Castrogiovanni (Palermo, PA, Italy), Marcel Tremml, Simon Herkenrath, Thorsten Fritz, Marcel Halbach, Daniel Steven, Stephan Baldus, Ilona Kietzmann, Winfried Randerath
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- PA2304** **A comparison of peripheral arterial tone technology with limited polygraphy to diagnose obstructive sleep apnoea in UK**  
Yousef S Aldabayan (London, United Kingdom), Stephanie K Mansell, Joanna Van Der Leer, Swapna Mandal, John R Hurst, Ahmed M Al Rajeh
- 
- PA2305** **Impact of arterial stiffness on variables of Watch-PAT in patients with obstructive sleep apnea.**  
Taku Kinoshita (Chiba-shi, Japan), Misuzu Yahaba, Jiro Terada, Takuma Matsumura, Yoriko Sakurai, Seiichiro Sakao, Koichiro Tatsumi
- 
- PA2306** **Reliability of overnight desaturation index (ODI)in suspected obstructive sleep apnea**  
Arun R. Nair (COCHIN (KERALA), India), Subin Ahmed, Akhilesh Kunoor, Binil Salam, James P Ponneduthamkuzhi, A M Ajith
- 
- PA2307** **Contribution of spirometric sawtooth sign in diagnosis of Obstructive Sleep Apnea (OSA)**  
Yacine Ouahchi (Tunis, Tunisia), Ghada Bahri, Meriem Mjid, Abir Hedhli, Sana Cheikhrouhou, Jouda Cherif, Sonia Toujani, Majed Beji, Abdelmajid Ben Hamida
- 
- PA2308** **The predictive value of upper airway assessment during routine flexible bronchoscopy for the diagnosis of OSAS**  
Fikret Kanat (Konya, Turkey), Dilek Erta, Feyza Tùlek, Ça da Elsürer, Mete Kaan Bozkurt, Bahar Öç, Mecit Suerdem, Baykal Tulek

## TP-12 (Hall 4) Session 289 12:50 - 14:40

## Thematic Poster: Pathophysiological aspects of comorbid conditions in obstructive sleep apnoea

**Chairs :** Simon Dominik Herkenrath (Solingen, Germany), Sophia E. Schiza (Heraklion, Crete, Greece), Dries Testelmans (Leuven, Belgium), Dirk A.A. Pevernagie (Heeze, Netherlands)

- PA2309** **The study of small airways' function in Obstructive Sleep Apnea-Hypopnea Syndrome (OSAHS).**  
Aikaterini Giannadaki (Heraklion, Crete, Greece), George Vavougiou, Vlassios Ladopoulos, Ioannis Koutsaidis, Sophia Schiza, Nikolaos Siafakas
- PA2310** **Time dependent loss of the ventilatory response to hypoxia in severe COPD**  
Michael Ji (Calgary, AB, Canada), Michael Ji, Jenny Jagers, Giovanni Tagliabue, Eric Wilde, Paul Easton
- PA2311** **Cardiohemodynamics parameters in patients with COPD and obstructive sleep apnea, (OSA).**  
Olena Izmailova (Kharkiv, Ukraine), Olena Krakhmalova
- PA2312** **Evaluation of Skeletal Muscle Dysfunction in COPD OSA Overlap Syndrome**  
abhishek maurya (VARANASI (UTTAR PRADESH), India), ankit patel, Atul Tiwari
- PA2313** **Evaluation of the effect of inspirational muscle training in patients with apnea and hypopnea sleep obstructive syndrom**  
Leonardo Souza (RIO DE JANEIRO/RJ, Brazil), Leandro Azeredo, Bruno Guimaraes, Jocemir Lugon
- PA2314** **Cardiovascular comorbidity in obesity hypoventilation syndrome: has nocturnal hypoventilation a protective effect?**  
Silvano Dragonieri (Bari, Italy), Giorgio Castellana, Lorenzo Marra, Vitaliano Nicola Quaranta, Pierluigi Carratù, Teresa Ranieri, Onofrio Resta
- PA2315** **Sleep respiratory disturbances during the ascent to Mount Aconcagua**  
Alvaro Emilio Ortiz Naretto (Avellaneda, Buenos Aires, Argentina), Miriam Patricia Pereiro, Glenda Ernst, Eduardo Borsini
- PA2316** **The influence of obstructive sleep apnea-induced intermittent Hypoxia on Non Alcoholic Fatty liver.**  
Sema Saraç (Istanbul, Turkey), Sema Saraç, meral menguc, Banu salepci, gulgun af ar, cüneyt saltürk, murat kavas
- PA2317** **Variability of supine sleeping time in sleep registrations**  
Timon M. Fabius (Enschede, Netherlands), Paul Hendriks, Jeffrey R. Benistant, Michiel Wagenaar, Frans H.C. de Jongh, Marjolein G.J. Brusse-Keizer, Michiel M.M. Eijsvogel
- PA2318** **Thiol Disulfide Homeostasis in Obstructive sleep apnoea syndrome (OSAS)- Preliminary report**  
Emine Arguder (Ankara, Turkey), Hatice Köklü, Ebru Parlak, Habibe Hezer, H.Canan Hasanoğlu, Gökhan Yalçın, Salim Neşelioğlu, M.Ali Babademez, Özcan Erel
- PA2319** **Evaluation of inflammatory markers in a large sample of Obstructive Sleep Apnea Patients.**  
Izolda Bouloukaki (Heraklion, Crete, Greece), Charalampos Mermigkis, Stylianos Michelakis, Eleni Mauroudi, Violeta Moniaki, Sophia Schiza, Nikolaos Tzanakis

## TP-13 (Hall 4) Session 290 12:50 - 14:40

## Thematic Poster: Obstructive and central sleep apnoea: consequences and comorbidities

**Chairs :** Wolfgang Galetke (Dorsten, Germany), Johan Verbraecken (Edegem (Antwerp), Belgium), Michael Arzt (Regensburg, Germany)

- PA2320** **Association between obstructive sleep apnoea (OSA) severity and metabolic disturbances**  
Robert Piwowaczewski (Warszawa, Poland), Przemyslaw Bielen, Anna Czyzak-Gradkowska, Pawel Sliwinski
- PA2321** **Monocyte count/HDL cholesterol ratio and cardiovascular disease in patients with obstructive sleep apnea syndrome; a multicenter study**  
Handan Ünözü Köseoğlu (TOKAT, Turkey), Ahmet Cemal Pazarli, Asiye Kanbay, Osman Demir
- PA2322** **Sleep-disordered breathing is related to Metabolic Syndrome in Outpatients with Diabetes Mellitus Type 2**  
Kaya Neumann (Regensburg, Germany), Stefan Stadler, Iris Heid, Carsten Böger, Michael Arzt
- PA2323** **New opportunities for screening of subclinical atherosclerosis in patients with obstructive sleep apnea (OSA) – a pilot study**  
Velin Stratev (VARNA, Bulgaria), Diana Petkova, Atanas Angelov, Tanya Dobreva, Valentina Dimitrova
- PA2324** **Do glaucoma, nonarteritic ischemic anterior optic neuropathy and sleep apnea march hand in hand?**  
Misko J Ledina (Sokobanja, Republic of Serbia), Teodora M Ledina, Vlade B. Milanović, Ljiljana A. Ledina, Mirko Leki
- PA2325** **Does sleep apnoea cause acute myocardial injury detectable by biomarkers?**  
Natascha Tröster (Graz, Austria), Michael Palfner, Christoph Wohlkoenig, Martin Trinker, Alexander Avian

- PA2326 Myocardial alterations in asymptomatic patients with obstructive sleep apnea syndrome**  
Paola Gudiel Arriaza (Leon, Spain), Amparo Sánchez Serrano, J. Luis Fernández Sánchez, Laura Sierra
- PA2327 Prevalence and contributing factors for daytime and nocturnal hypoxia in chronic heart failure patients**  
Renaud Tamisier (Grenoble, France), Victor Bocquillon, Marie Destors, Muriel Salvat, Elisabeth Borel, Jean Louis Pépin
- PA2328 Effect of vadaptive servo ventilation on mortality in patients with systolic heart failure and central sleep apnea**  
Shahrokh Javaheri (Cincinnati, United States of America), David Jarjoura, Kyle Porter, Winfried Randerath, Rami Khayat
- PA2329 Whom are we treating with adaptive servo-ventilation? - a clinical post-hoc analysis**  
Michael Arzt (Regensburg, Germany), Christoph Lerzer, Leoni Kolb, Katharina Haider, Florian Zeman, Florian Gfüllner, Lars S Maier, Michael Pfeifer, Maximilian Malfertheiner
- PA2330 Cheyne-stokes-respiration is an independent modulator of systolic blood pressure in patients with diabetes mellitus type 2**  
Andreas Schreib (Regensburg, Germany), Stefan Stadler, Iris Heid, Carsten Böger, Michael Arzt
- PA2331 Is acute pulmonary embolism more severe in the presence of obstructive sleep apnoea? Results from a cohort study.**  
Thomas Berghaus (Augsburg, Germany), Dinah Konnerth, Tanja Wagner, Christian Faul, Martin Schwaiblmair
- PA2332 The prevalence of unrecognized obstructive sleep apnea syndrome among patients with nocturnal symptoms and poorly controlled asthma**  
Lai Ping Lo (Hong Kong, Hong Kong), Susanna Ng, Jenny Ngai, Tat On Chan, Ken KP Chan, Wing Ho Yip, Karen Yiu, Fanny WS Ko, David SC Hui
- PA2333 Frequency and characterization of sleep related disorders in interstitial lung disease patients: a prospective study**  
Carmine Nicoletta (pontecagnano faiano, Italy), Angelo Canora, Giacomo Ghinassi, Gaetano Rea, Annalisa Capaccio, Sabrina Castaldo, Marialuisa Bocchino
- PA2334 The impact of severe obstructive sleep apnea and obesity on nonalcoholic fatty liver disease.**  
Piotr Bielicki (Warszawa, Poland), Styczynski Grzegorz, Sobieraj Piotr, Szmigielski Cezary, Barnas Malgorzata
- PA2335 Parathyroid Hormone and Vitamin D Levels in Obstructive Sleep Apnea**  
Ventsislava Pencheva (Sofia, Bulgaria), Daniela Krasimirova, Radoslav Bilyukov, Daniela Petrova, Tzanko Mondeshki, Ognian Georgiev, Martin Nikolov, Adelina Tsakova
- PA2336 Obstructive sleep apnoea and quality of life in Fabry disease: A parallel cohort study**  
Thomas Gaisl (Zürich, Switzerland), Nicolas Gerard, Noriane Sievi, Christian Clarenbach, Pierre Krayenbühl, Malcolm Kohler, Daniel Franzen
- PA2337 Obstructive sleep apnoea and pulmonary involvement in patients with scleroderma**  
Tugce Yakut ( STANBUL, Turkey), Sait Karakurt, Haner Direskeneli, Yasemin Yalcinkaya, Yuksel Peker
- PA2338 Risk for sleep apnea and excessive daytime sleepiness in patients with Myasthenia gravis.**  
Ezequiel Oliveira (Sao Paulo, Brazil), Walquiria Santos, Berenice Oliveira, Newton Junior, Ana Brunetti, Eduardo Perez, Anderson Silva, Sergio Nacif, Jessica Urbano, Luciana Sampaio, Acary Oliveira, Luis Vicente Oliveira, Roberto Stirbulov
- PA2339 Evaluation of sleep quality and daytime sleepiness in ankylosing spondylitis**  
Ozlem Sengoren Dikis (Van Ercis, Turkey), İknur Karlibel, Seyhan Us Dülger, Lale Altan Inceoglu, Tekin Yildiz, Meliha Kasapoglu Aksoy

TP-14 (Hall 4)

Session 291

12:50 - 14:40

## Thematic Poster: Variation in the phenotypes and symptoms of obstructive sleep apnoea

Chairs : Rainer Popovic (Zwettl, Austria), Michiel Eijsvogel (Enschede, Netherlands), Richard Staats (Murches, Portugal), Jan A. Hedner (Gothenburg, Sweden)

- PA2340 Obstructive Sleep Apnoea (OSA): Men vs Women**  
Raana Haqqee (Stoke-on-Trent, United Kingdom), Toni Jordan, Martin Allen
- PA2341 Differences in obstructive sleep apnea syndrome (OSA) according to gender in patients with suspected OSA**  
Cristina Ramos Hernandez (Vigo (Pontevedra), Spain), Maria del Mar Mosteiro Añon, Laura Souto Sayar, Isabel PortelaFerreno, Helena Santamaria, Carmen Gil campo, Maria Torres Duran, Maria Jose Muñoz Martinez, Alberto Fernández Villar
- PA2342 Associations between sleep and obesity indices in Greek elderly individuals**  
Eirini Mamalaki (Athens, Greece), Mary H. Kosmidis, Efthimios Dardiotis, Giorgos M. Hadjigeorgiou, Angeliki Tsapanou, Paraskevi Sakka, Nikolaos Scarmeas, Mary Yannakoulia

**PA2343 When obesity is not enough**  
Vânia Sacramento (Barreiro, Portugal), Vânia Sacramento, Margarida Aguiar, Silvia Rodrigues, Sofia Furtado

**PA2344 Familial aggregation of obstructive sleep apnea syndrome based on a pediatric index case**  
Nicole Beydon (Paris, France), Jessica Taytard, Laurence Jordan, Pascal Garrec, Camille Aupiais

**PA2345 Sleep disordered breathing and cephalometric predictors in an Australian rugby league team**  
Andrew Scott (Brisbane, QLD, Australia), Johnpaul Caia, Riley Forbes, Vincent Kelly

**PA2346 Severe obstructive sleep apnea is not necessarily associated with subjective or objective hypersomnolence**  
Ana Filipa Dos Santos Matos (Viseu, Portugal), Richard Staats, Susana Moreira, João Valença, Paula Pinto, Cristina Bárbara

**PA2347 What is the impact of obstructive sleep apnea hypopnea syndrome and daytime sleepiness on work performance?**  
Nesrine Kammoun (sfax, Tunisia), Sameh Msaad, Mounira Hajjaji, Nouha Ayedi, Selma Rekik, Samy Kammoun, Mohamed Laarbi Masmoudi, Kaouthar Jmal Hammami

**PA2348 OSA and Insomnia symptoms are the main risk factors for sleepiness at wheel (SW) and for sleepiness related to car accidents (SRCA) in workers.**  
Francesco Fanfulla (Pavia, Italy), Elisa Morrone, Nadia D'Artavilla Lupo, Rossella Trentin, Aleksandar Prpa, Caterina Pronzato

**PA2349 Inspiratory flow limitation correlates with sleepiness and oximetric desaturation**  
Neil Skjodt (Lethbridge, AB, Canada), Ronald S. Platt

TP-15 (Hall 4)

Session 292

12:50 - 14:40

**Thematic Poster: Pulmonary embolism**

**Chairs :** Joanna Pepke-Zaba (Cambridge, United Kingdom), Carlos Jardim (SAO PAULO/SP, Brazil), Claudio Villaquiran Torres (Bogota, Colombia), Stephen Wort (Hampton, United Kingdom)

**PA2350 Impact of patients' setting on the prevalence of pulmonary embolism in acute exacerbation of COPD : a meta-analysis of observational studies.**  
Laurent Bertolotti (St Priest En Jarez, France), Rémi De-Taxis-du-Poët, Olivier Sanchez, Deisy Diana Barrios Barreto, David Jimenez, Céline Chapelle, Sophie Périnel, Silvy Laporte, Francis Couturaud

**PA2351 Cancer after pulmonary embolism**  
Jacinto Hernandez Borge (Badajoz, Spain), Pilar Cordero Montero, María Teresa Gómez Vizcaino, María José Antona Rodriguez, María del Carmen García García, Miguel Benitez-Cano Gamonoso, Amparo Sanz Cabrera, Francisca Lourdes Marquez Pérez, Ignacio Rodriguez Blanco, Pilar Iñigo Naranjo, Jose Antonio Gutierrez Lara

**PA2352 Can syncope be used for the risk assessment of pulmonary embolism?**  
Fundu Öztuna (Trabzon, Turkey), Sava Özsu, Muge Erbay, YILMAZ BULBUL, TEVF K OZLU

**PA2353 Septic pulmonary embolism in intravenous drug users.**  
Elena Klester (Barnaul, Altay Krai, Russian Federation), Karolina Klester, Babushkin Igor

**PA2354 Effect of vascular endothelial related factors in patients with venous thromboembolism**  
Jin Zhang (Yinchuan, Ningxia, China), cen-feng Xia

**PA2355 The persistence gammagraphic perfusion defects after an acute pulmonary embolism (PE) is not associated with altered echocardiographic parameters of vascular resistance**  
Ester Marijuan Gomez (Getxo (Vizcaya), Spain), Jose Luis Lobo, Agustina Rivas, Angel Alonso, A Montero, R Otero

**PA2356 Is elevated mean platelet volume predictive of pulmonary embolism recurrence?**  
Elif Yilmazel Uçar (Erzurum, Turkey), Omer Araz, Fadime Sultan Albez, Elif Yilmazel Uçar, Bugra Kerget, Nafiye Yilmaz, Metin Akgun

**PA2357 Clinical gestalt and the prognosis of pulmonary embolism**  
David Jiménez Castro (Madrid, Spain), David Jiménez Castro, Deisy Barrios, Raquel Morillo, Rosa Nieto, Ina Guerassimova, Vicente Gomez

**PA2358 Diagnostic value of perfusion lung scintigraphy in SPECT/CT and computed tomography pulmonary angiography for detection of pulmonary embolism**  
Sevda Naydenska (Sofia, Bulgaria), Dora Zlatareva, Bilyana Stancheva, Elina Smilkova, Radoslav Bilyukov, Ventsislava Pencheva, Daniela Miletieva, Tzanko Mondeshki, Daniela Petrova, Ognian Georgiev

**PA2359 Acute Pulmonary Embolism in COPD patients, clinical features and outcomes**  
Margarida Baptista Duarte Barata (LISBOA, Portugal), Teresa Martín, Helena Grumete, Fernando Menezes, Jorge Roldão Vieira

- PA2360 Clinical significance of deep venous thrombosis in symptomatic pulmonary embolism**  
Nataliya Stoeva (Sofia, Bulgaria), Milena Staneva, Galina Kirova, Diana Lekova, Anton Penev
- 
- PA2361 Characteristics of pulmonary embolism in elderly patients.**  
Daniela Gonzalez Marcano (ALICANTE, Spain), Rafael León, M.Pilar García, Ignacio Gayá, Irene Rodriguez, Luis Hernandez, Concepción Martín
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- PA2362 Values of clinical probability scores in diagnosing pulmonary embolism I.Moussa,H.Zaibi,J.Ben Amar,M.Jaffel,R.Fessi,S.Azzabi,M.Baccar,B.Dhahri,H.Aouina**  
Moussa Ines (bizerte, Tunisia), Zaibi haifa , Ben amar Jihen, Jaffel Mohamed ghofrane, Fessi Rana, Azzabi salwa, Baccar mohamed, Dhahri Besma, Aouina Hichem
- 
- PA2363 Acute pulmonary embolism: a specific scent?**  
Timon M. Fabius (Enschede, Netherlands), Ruud W. van Leuteren, Jan Willem Gerritsen, Job van der Palen, Frans H.C. de Jongh, Michiel M.M. Eijsvogel
- 
- PA2364 Are the thiol/disulfide redox status and HDL cholesterol levels associated with pulmonary embolism?**  
Ebru engüleref Parlak (Ankara, Turkey), Ebru engüleref Parlak, Murat Al s k, Aysegul Karalezli, Ayse Gokcen Sayilir, Serdal Bastug, Mukremin Er, H. Canan Hasanoglu, Ozcan Erel
- 
- PA2365 Study on microparticles in a postthrombotic hypertension animal model**  
Remedios Otero Candelera (Sevilla, Spain), Verónica Sanchez-López, Ana García Alvarez, Mario Nuñez Ayala, Inés García Lunar, Elena Arellano Orden, Lin Gao, Borja Ibañez Cabeza

TP-16 (Hall 4)

Session 293

12:50 - 14:40

## Thematic Poster: Experimental PH

**Chairs :** Frederic Perros (Le Kremlin Bicetre, France), Laura Price (London, United Kingdom), David Montani (Le Kremlin-Bicêtre, France), Harm Jan Bogaard (Amsterdam, Netherlands)

- PA2367 Cigarette smoke- and hypoxia-induced imbalanced vasoactive gene expression in human pulmonary artery smooth muscle cells**  
Abdullah Alqarni (Nottingham, United Kingdom), Linhua Pang, Oliver Brand, Alice Pasini
- 
- PA2368 Common bile duct and portal vein ligations increased right ventricular pressure in rat: a new experimental model**  
Farzaneh Ketabchi (Shiraz, Islamic Republic of Iran), Ali Sepehri nezhad, Ali Rafati, Amirreza Dehghanian
- 
- PA2369 Proangiogenic and wound healing molecular and histological fingerprint of chronic thromboembolic pulmonary hypertension**  
Dijana Iloska (Bad Nauheim, Germany), Jochen Wilhelm, Rajkumar Savai, Ralph Schermuly, Ludger Fink, Werner Seeger, Soni Pullamsetti
- 
- PA2370 The effects of chronic hypoxia on pulmonary vascular reactivity in mice genetically deficient in connexin 43**  
Myo Htet (Glasgow, United Kingdom), Yvonne Dempsie, Patricia Martin, Jane Nally
- 
- PA2371 Investigating redox sensitive sex differences in serotonin-induced proliferation and migration in rat pulmonary artery smooth muscle cells.**  
Katie Yates Hood (Glasgow, United Kingdom), Lynn Loughlin, Mandy MacLean
- 
- PA2372 Histone Deacetylase 7 regulates master transcription factors and modulates mitochondrial function**  
Elisabetta Gamen (Bad Nauheim, Germany), Prakash Chelladurai, Friedrich Grimminger, Rajkumar Savai, Evangelos Michelakis, Werner Seeger, Soni Savai Pullamsetti
- 
- PA2373 A role for the inflammasome effector caspase-1 in hypoxia-induced pulmonary hypertension**  
Camilla Udjus (Oslo, Norway), Fadila Cero, Bente Halvorsen, Cathrine Carlson, Bård Bendiksen, Emil Espe, Ivar Sjøstad, Else Marit Løberg, Arne Yndestad, Pål Aukrust, Geir Christensen, Ole Henning Skjønberg, Karl-Otto Larsen
- 
- PA2374 Nintedanib relaxes human pulmonary arteries more potently than murine**  
Christian Martin (Aachen, Germany), Julia Krabbe, Stefan Uhlig, Annette Rieg, Till Braunschweig, Svetlana Kintsler, Jan Spillner, Thomas Schroeder, Sebastian Kalverkamp, Lutz Wollin
- 
- PA2375 Dasatinib increases endothelial permeability leading to pleural effusion**  
Carole Phan (le kremlin bicetre dedex, France), Etienne-Marie Jutant, Ly Tu , Raphaël Thuillet, Andrei Seferian , David Montani, Alice Huertas , Anton Vonk Noordegraaf, Marc Humbert , Jurjan Aman , Christophe Guignabert
- 
- PA2376 Administration of mitomycin results in pulmonary hypertension and vascular remodeling in rabbits**  
Rozen Quarc (Leuven, Belgium), Allard Wagenaar, Birger Tielemans, Aurélie Hautefort, Catharina Belge, Montani David, Marion Delcroix, Fabrice Anitigny, Frédéric Perros

- PA2377** **Inhalation of dry powder INS1009 (DP-INS1009) does not activate the cough reflex in guinea pigs: a comparison with nebulized treprostinil.**  
Michel Corboz (Bridgewater, United States of America), Richard Chapman, Adam Plaunt, Helena Gauani, Vladimir Malinin, Walter Perkins, Caroline Buote, Charles Laurent, Dan Salvail, Han Hin, Zhili Li
- PA2378** **The non-prostanoid IP receptor agonist, APD811 (ralinepag) has potent antiproliferative and vasorelaxant properties in human pulmonary artery**  
Lucie Clapp (London, United Kingdom), John Adams, Lei Shen, Jigisha Patel, Xaxier Norel, Dominic Behan
- PA2379** **The selective Rho kinase inhibitor trans-6-((4-aminocyclohexyl)amino)-5-fluoro-2-methoxynicotinamide ameliorates experimental pulmonary hypertension**  
Stefano Cavalli (Parma, Italy), Silvia Cantoni, Alessandro Accetta, Fiorella Pastore, Gessica Marchini, Serena Bertolini, Gino Villetti, Fabrizio Facchinetti
- PA2380** **Regulation of connexins by hypoxia in rat pulmonary vascular cells in an in vitro model of pulmonary hypertension**  
Andrew McNair (Glasgow, United Kingdom), David Welsh, Trisha Martin, Yvonne Dempsey
- PA2381** **Vascular sexual dimorphism and pulmonary hypertension in a rat chronic hypoxia model.**  
Asuncion Rocher (Valladolid, Spain), Jesus Prieto-Lloret, Inmaculada Docio, Angela Gomez-Niño, Ana Obeso, Elena Olea
- PA2382** **Specific ligand for the innate repair receptor, ARA290, attenuates pulmonary hypertension in an elastase-induced murine model of emphysema**  
Katherine Howell (Dublin, Ireland), Stephanie Whelan, Keith Rochfort, Michael Brines
- PA2383** **Longitudinal cardiac changes in a SUGEN/Hypoxic Rat Model of Pulmonary Hypertension determined by Cardiac MRI**  
Geeshath Jayasekera (GLASGOW, United Kingdom), Kathryn Wilson, Hanna Buist, C Hughes, M Nilsen, Colin Church, L Gallagher, J Mullin, M Maclean, W Holmes, David Welsh, Andrew Peacock
- PA2384** **Dysfunctional endothelial cells in patients with chronic thromboembolic pulmonary hypertension**  
Valerie Smolders (Barcelona, Spain), Isabel Blanco, Lucilla Picarri, Jéssica Garcia-Lucio, Tanja Paul, Erika zodda, Laura Sebastian, Manel Castellà, Marta Cascante, Victor Peinado, Joan Albert Barberà, Olga Tura-Ceide
- PA2385** **Neutralization of CXCL12 reverses established pulmonary hypertension in the sugen-hypoxia rat model**  
Jennifer Bordenave (Le Kremlin-Bicêtre Cedex, France), Raphael Thuillet, Ly Tu, Carole Phan, Gerald Simonneau, Alice Huertas, Marcel Hibert, Dominique Bonnet, Marc Humbert, Nelly Frossard, Christophe Guignabert

TP-17 (Hall 4)

Session 294

12:50 - 14:40

**Thematic Poster: Exercise and physiology in pulmonary hypertension**

**Chairs :** Robert Naeije (Beersel, Belgium), Gabor Kovacs (Graz, Austria), Roberta Pulcheri Ramos (Sao Paulo/Sp, Brazil), Frédéric Lador (Genève 14, Switzerland)

- PA2386** **Thermomodulation and Fick cardiac output measurement comparison in patients with pulmonary hypertension**  
Regina Agaeva (Moscow, Russian Federation), Nikolai Danilov, Olesya Sagaydak, Iura Matchin, Tamila Martynyuk, Irina Chazova
- PA2387** **Effect of normobaric hypoxia on pulmonary hemodynamics in patients with precapillary pulmonary hypertension**  
Alexandra Groth (Zurich, Switzerland), Patrick Bader, Mona Lichtblau, Stéphanie Saxer, Michael Furian, Simon Schneider, Esther Schwarz, Konrad Bloch, Silvia Ulrich
- PA2388** **Functional impact of exercise pulmonary hypertension in patients with borderline pulmonary arterial pressure**  
Rudolf Oliveira (SAO PAULO/SP, Brazil), Mariana Faria-Urbina, Bradley Maron, Mario Santos, Aaron Waxman, David Systrom, Rudolf Oliveira
- PA2389** **Right heart function and pulmonary pressure in asthma patients during 17 days at high-altitude**  
Silvia Ulrich (Zurich, Switzerland), Patrick Raphael Bader, Mona Lichtblau, Stéphanie Saxer, Simon Schneider, Paula Appenzeller, Michael Furian, Bermet Estevesova, Talant Sooronbaev, Konrad E. Bloch
- PA2390** **Modified Desaturation Distance Ratio (mDDR) predicts prognosis in patients with Pulmonary Arterial Hypertension.**  
Xavier Alsina (Cubelles, Spain), ISABEL BLANCO, YOLANDA TORRALBA, MARIA PALOMO, FELIP BURGOS, JOAN ALBERT BARBERA
- PA2391** **Pulmonary vascular response to exercise in heart-failure patients with pulmonary hypertension: role of a pre-capillary component**  
Bryan Taylor (Leeds, United Kingdom), Bruce Johnson

- PA2392** **Borderline pulmonary hypertension was associated with reduced cardiac output during exercise in patients with connective tissue diseases**  
Alberto Maria Marra (Aversa, CE, Italy), Christian Nagel, Benjamin Egenlauf, Satenik Harutyunova, Christina Eichstaedt, Eduardo Bossone, Christine Fischer, Ekkehard Grünig
- PA2393** **Effect of combined training versus aerobic training in patients with Pulmonary Hypertension.**  
Ivan Peres Costa (SAO PAULO/SP, Brazil), Etienne Farah Teixeira de Carvalho, Aline Marsico, Vivian Arakelian, Roberto Atirbulov, Ross Arena, Lawrence P Cahalin, Luciana Maria Malosa Sampaio, Rodolfo de Paula Vieira
- PA2394** **Screening for pulmonary vascular disease (PVD) in patients with portal hypertension by investigating pulmonary hemodynamics during exercise**  
Philipp Douschan (Graz, Austria), Gabor Kovacs, Rudolf Stauber, Vasile Foris, Susanne Pfeiffer, Fabian Gruber, Vanessa Stadlbauer-Köllner, Daniela Kniepeiss, Gernot Zollner, Peter Fickert, Alexander Avian, Andrea Olschewski, Horst Olschewski
- PA2395** **Haemodynamic effects of exercise therapy in stable, optimally treated pulmonary arterial hypertension**  
Alison MacKenzie (GLASGOW, United Kingdom), Joanna Ford, Geeshath Jayasekera, Tim Crowe, Andrew Peacock, Colin Church, Martin Johnson
- PA2396** **The value of cardiopulmonary exercise test in assessment of the severity of pulmonary arterial hypertension patients**  
Tamila Martynyuk (Moscow, Switzerland), Irina Taran, Zarina Valieva, Irina Chazova
- PA2397** **Effect of acute and subacute exposure and reexposure to high altitude on pulmonary artery pressure in healthy lowlanders**  
Mona Lichtblau (Zürich, Switzerland), Patrick Raphael Bader, Michael Furian, Lara Muralt, Sara E. Hartmann, Jean M. Rawling, Marc J Poulin, Konrad E. Bloch, Silvia Ulrich
- PA2398** **Low bronchial NO flux, but not low FENO, predicts pulmonary hypertension**  
Michela Maria Bellocchia (TORINO, TO, Italy), Renza Ambrosanio, Elisa Clivati, Lorena Mercante, Paolo Solidoro, Daniela Libertucci, Caterina Bucca
- PA2399** **Evolution of DLNO/DLCO ratio after initiation of targeted PH therapy in naïve patients.**  
Laurent Bertoletti (St Priest En Jarez, France), Judith Catella-Chatron, Elodie De Magalhaes, Stéphanie Chomette-Ballereau, Jean-Baptiste Gaultier, Isabelle Court-Fortune, Céline Chapelle, Frédéric Costes, Claire Tulane, Alexie Gate-Martinet
- PA2400** **Gas exchange and hemodynamics in pulmonary hypertension (PH)**  
Edoardo Airò (Pisa, PI, Italy), Edoardo Airò, Carolina Bauleo, Bruno Formichi, Ripoli Andrea, Simonetta Monti, Giosuè Angelo Catapano, Francesca Mannucci, Ivana Pavlickova, Rudina Ndreu, Francesco Grotti, Renato Prediletto
- PA2401** **Volumetric capnography in PAH patients.**  
Guilherme Almeida (Vinhedo, Brazil), Ilma Paschoal, Marcos Moreira, Mônica Pereira, José Roberto Souza
- PA2402** **Inspiratory muscle weakness and mortality in PAH**  
Joao Victor Rolim (SAO PAULO/SP, Brazil), Roberta Pulcheri Ramos, Eloara VM Ferreira, Gabriela AM Figliolino, Ivan Ivanaga, Angelo Cepeda, Carolina Messina, Danielle Bedin, Luiz Eduardo Nery, Jaqueline Sonoe Ota--Arakaki
- PA2403** **Does exercise related desaturation normalise post-pulmonary endarterectomy?**  
Louise Harlow (CAMBRIDGE, United Kingdom), Emilia Swietlik, John Cannon, Karen Sheares, Dolores Taboada, Nick Sreaton, David Jenkins, Joanna Pepke-Zaba, Mark Toshner
- PA2404** **Right ventricular contractile reserve and pulmonary arterial compliance differentiate PAH patients with long-term survival and therapeutic success.**  
Rebecca Vanderpool (Tucson, United States of America), Kelly Wickstrom, Ankit Desai, Vineet Nair, Roberto Bernardo, Franz Rischard
- PA2405** **Severity of pulmonary hypertension correlates with patients' daily physical activity**  
Stéphanie Saxer (Zürich, Switzerland), Stéphanie Saxer, Elisabeth Hasler, Konrad Bloch, Silvia Ulrich

TP-18 (Hall 4)

Session 295

12:50 - 14:40

**Thematic Poster: PAH and CTEPH**

**Chairs :** Caio Júlio Cesar Fernandes (Sao Paulo/Sp, Brazil), Marion Delcroix (Leuven, Belgium), Paul M. Hassoun (Baltimore, United States of America), H. Ardeschir Ghofrani (Giessen, Germany)

- PA2406** **Evaluation of a novel clinic for management of Chronic Thromboembolic Pulmonary Disease (CTED) and associated Pulmonary Hypertension (CTEPH).**  
Alistair Roddick (London, United Kingdom), Karen Breen, Philip Marino

PA2407	<b>Quality of life and physical functioning in chronic thromboembolic pulmonary hypertension (CTEPH): the impact of treatment</b> Daniela Cavalet Blanco (PORTO ALEGRE/RS, Brazil), Noris Coimbra Scaglia, Flavio Vinicius Costa Ferreira, Sabrina Rocha Machado, Luciana Zani Viegas da Silva
PA2408	<b>Real-life data on the medical therapy of pulmonary arterial and chronic thromboembolic pulmonary hypertension</b> Esther Irene Schwarz (Zürich, Switzerland), Philipp Bartenstein, Stéphanie Saxer, Paula Appenzeller, Mona Lichtblau, Silvia Ulrich
PA2409	<b>The use of new anticoagulants in CTEPH</b> Francisca Alexandra Gavilanes Oleas (Sao Paulo/Sp, Brazil), José Leonnidas Alves Jr, Caio JC Fernandes, Luis FL Prada, William Salibe Filho, Mario Terra Filho, Carlos Jardim, Rogério Souza
PA2410	<b>Chronic thromboembolic pulmonary hypertension (CTEPH) and coagulation defects: Before and after treatment</b> Eleni Vrigkou (Athens, Greece), Argirios Tsantes, Dimitrios Konstantonis, Elias Kyriakou, Athanasios Pappas, Anastasia Anthi, Eleni Stagaki, Stylianos Orfanos, Apostolos Armaganidis, Iraklis Tsangaris
PA2411	<b>Pulmonary perfusion changes after Balloon Pulmonary Angioplasty for chronic thromboembolic pulmonary hypertension</b> Anne-Lise Hachulla (Geneva, Switzerland), Stéphane Noble, Hélène Bouvaist, Xavier Montet, Jean-Paul Vallée, Maurice Beghetti, Paola M Soccac, Frédéric Lador
PA2412	<b>Liquid biopsy for Chronic Thromboembolic Pulmonary Hypertension: Circulating microRNA profile by Next Generation Sequencing</b> Alexandre Todorovic Fabro (Ribeirao Preto/Sp, Brazil), Heloísa Resende Cruvinel, Sabrina Setembro Batah, Patrícia dos Santos Leão, Juliana Rodrigues Machado, Claudia Aparecida Rainho, Hugo Hyung Bok Yoo, Vera Luiza Capelozzi
PA2413	<b>Evaluation of serum cytokines in patients with idiopathic pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension with hypercholesterolemia</b> Tamila Martynyuk (Moscow, Switzerland), Irina Taran, Olga Arkhipova, Irina Chazova
PA2414	<b>Effects of endothelin receptor antagonist (ERA) bosentan on myocardial glucose metabolism in pulmonary arterial hypertension (PAH) and chronic thromboembolic pulmonary hypertension (CTEPH)</b> Laurent-Pierre Nicod (Lausanne, Switzerland), Periklis Mitsakis, Patrick Yerly, Vincent Dunet, Emmanuel Deshayes, Nicole Aebischer, Maura Prella, John Prior, John-David Aubert
PA2415	<b>Fluid challenge test and pulmonary haemodynamics in patients with systemic sclerosis</b> Michele D'Alto (Napoli, Na, Italy), Michele D'Alto, Emanuele Romeo, Paola Argiento, Giovanni Maria Di Marco, Agostino Mattera Iacono, Serena Vettori, Gabriele Valentini, Maria Giovanna Russo
PA2416	<b>Incidence of new pulmonary hypertension and determining factors during follow-up of patients with systemic sclerosis after negative right heart catheterisation</b> Satenik Harutyunova (Heidelberg, Germany), Christina Eichstaedt, Gerry Coghlan, Matthias Wolf, Oliver Distler, Christopher Denton, Nicola Benjamin, Christine Fischer, Ekkehard Gruenig, Alberto Marra
PA2417	<b>REPLACE: A prospective, randomized trial of riociguat replacing phosphodiesterase 5 inhibitor therapy in patients with pulmonary arterial hypertension who are not at treatment goal</b> Marius M. Hoeper (Hannover, Germany), Hossein-Ardeschir Ghofrani, Raymond L. Benza, Paul A. Corris, JSR. Gibbs, James R. Klinger, David Langleben, VV McLaughlin, Andrew Peacock, Stephan Rosenkranz, Anton Vonk-Noordegraf, RJ White, Frank Kleinjung, Christian Meier, Gérald Simonneau
PA2418	<b>Impact of insomnia on exercise capacity and quality of life in patients with pulmonary arterial hypertension</b> Katleen Swinnen (Leuven, Belgium), Marion Delcroix, Catharina Belge, Rozenn Quarck, Dries Testelmans, Bertien Buyse, Frederik Helsen
PA2419	<b>PHA-UK living with Pulmonary Hypertension 2016 Survey</b> Catherine Billings (Sheffield, United Kingdom), Iain Armstrong, Carl Harries, Janelle Yorke
PA2420	<b>Evaluation of thyroid function in pulmonary arterial hypertension</b> Guillermo Cueto Robledo (México D.F, Mexico), Samuel Alejandro Gómez Lucas, Gloria Barragan Pola
PA2421	<b>Undifferentiated connective tissue disease at risk for systemic sclerosis: is heart function already impaired?</b> Michele D'Alto (Napoli, Na, Italy), Michele D'Alto, Antonella Riccardi, Paola Argiento, Emanuele Romeo, Ilaria De Stefano, Agostino Mattera Iacono, Marialuisa Bocchino, Alessando Sanduzzi, Maria Giovanna Russo, Gabriele Valentini
PA2422	<b>VENTASWITCH study: Switching from Ventavis (iloprost) V10 to V20 improves inhalation behaviour in patients with pulmonary arterial hypertension (PAH)</b> Manuel Jonas Richter (Giessen, Germany), Barbara Stollfuß, Alexander Roitenberg, Silke Gerlach, Frank Kleinjung, Valentin Graeff, Sabine Berghaus, Christian Müller, Ardeschir Ghofrani



- PA2423** **Pregnancy in PAH associated with congenital heart disease: 6-year clinical cases series from the referral center**  
Andrey E. Bautin (St Petersburg, Russian Federation), Andrey Yakubov, Nikita Aram-Balik, Yuliya Kokonina, Olga Li, Olga Irtyuga, Irina Zazerskaya, Olga Moiseeva
- PA2424** **Managing pregnancy in pulmonary hypertension using a multi-professional approach: a 16-year experience in a specialist referral centre**  
Liesbeth ten Klooster (Nieuwegein, Netherlands), Chloe Theodorou, Vicky Wilson, Karen Selby, Ruth Newton, Saurabh Gandhi, Tessa Bonnett, Joanne Fletcher, Iain Armstrong, Lisa Martin, Neil Hamilton, Gary Mills, Athanasios Charalampopoulos, Ian Sabroe, Charlie Elliot, Robin Condliffe, David Kiely, Roger Thompson
- PA2425** **Modern management of portopulmonary hypertension in children : case series of an expert center**  
Frédéric Lador (Genève 14, Switzerland), Frédéric Lador, Raphael Joye, Julie Wacker, Valerie McLin, Emiliano Giostra, Yassin Aggoun, Barbara Wildhaber, Maurice Beghetti

TP-19 (Hall 4)

Session 296

12:50 - 14:40

**Thematic Poster: Imaging and lung disease PH**

**Chairs :** Anton Vonk Noordegraaf (Amsterdam, Netherlands), Sean Gaine (Dublin, Ireland), Tomás Pulido Zamudio (México D.F, Mexico), Laurent Savale (Le Kremlin Bicêtre, France)

- PA2426** **Qualitative analysis of pulmonary perfusion changes assessed by Dual-Energy Computed-Tomography after Endoscopic Lung Volume Reduction by Coils**  
Anne-Lise Hachulla (Geneva, Switzerland), Frédéric Lador, Olivia Hohn, Jérôme Plojoux, Maxime Ronot, Xavier Montet, Paola M. Soccia
- PA2427** **Reduced pulmonary artery pulsatility on dynamic 256-slice CT is associated with severity of emphysema and reduced right ventricular function**  
Martin MacDonald (Melbourne, VIC, Australia), Ai Ming Wong, Christian Osadnik, Paul King, Siobhan Lockwood, James Cameron, Mark McCusker, Sinan Al-Hadethi, John Troupis, Philip Bardin
- PA2428** **A single-centre experience in group 3 pulmonary hypertension treated with off label specific drugs**  
Barbara Fusar Poli (PAVIA, Italy), Isa Cerveri, Federica Meloni, Luigia Scudeller, Davide Piloni
- PA2429** **Accuracy of CT-derived measures in identifying Pulmonary Hypertension (PH) in patients awaiting lung transplant**  
José Eduardo Afonso (SAO PAULO/SP, Brazil), Luiza Helena Degani-Costa, Joao Paulo Assis, Pedro Paulo Pisaniello Gonçalves, George Caldas Dantas, Gilberto Szarf
- PA2430** **Microvascular changes in COPD patients with severe pulmonary hypertension**  
Vincent Bunel (PARIS, France), Alice Guyard, Gaëlle Dauriat, Claire Danel, David Montani, Clément Gauvain, Gabriel Thabut, Marc Humbert, Peter Dorfmueller, Hervé Mal
- PA2431** **Right-to-left shunt in COPD at high altitude - randomized, controlled trial with dexamethasone**  
Mona Lichtblau (Zürich, Switzerland), Michael Furian, Sayaka S. Aeschbacher, Maya Bisang, Maamed Mademilov, Ulan Sherahiev, Aijamal Tabysheva, Batyr Osmonov, Hannes Knapp, Stefanie Ulrich, Talant Sooronbaev, Konrad E. Bloch, Silvia Ulrich
- PA2432** **Pulmonary Hypertension in Pulmonary tuberculosis- A Prognostic Indicator**  
Mani Tiwari (ALLAHABAD (UTTAR PRADESH), India), Samir Prabhulal Gami
- PA2433** **Right ventricular dimensions on CTPA predict pulmonary hypertension and prognosis in interstitial lung disease (ILD)**  
Simon Bax (Redhill, United Kingdom), Charlene Bredy, Kostas Dimopoulos, Aleksander Kempny, Anand Devaraj, Simon Walsh, Joseph Jacobs, Arjun Nair, Maria Kokosi, Gregory Keir, Carl Harries, Vasillis Kouranos, Colm McCabe, Wei Li, Riaz Ahmed, Michael Wilde, Athol Wells, John Wort\*, Laura Price\* (\* Joint final author)
- PA2434** **Rate of change in main pulmonary artery diameter predicts mortality in interstitial lung disease**  
Simon Bax (Redhill, United Kingdom), Charlene Bredy, Kostas Dimopoulos, Aleksander Kempny, Anand Devaraj, Simon Walsh, Joseph Jacobs, Arjun Nair, Maria Kokosi, Gregory Keir, Carl Harries, Vasillis Kouranos, Colm McCabe, Wei Li, Riaz Ahmed, Michael Wilde, Athol Wells, John Wort\*, Laura Price\* (\* Joint final author)
- PA2435** **The composite physiological index strongly predicts mortality in interstitial lung disease (ILD) associated pulmonary hypertension (PH-ILD)**  
Simon Bax (Redhill, United Kingdom), Charlene Bredy, Kostas Dimopoulos, Aleksander Kempny, Anand Devaraj, Simon Walsh, Joseph Jacobs, Arjun Nair, Maria Kokosi, Gregory Keir, Carl Harries, Vasillis Kouranos, Colm McCabe, Wei Li, Riaz Ahmed, Michael Wilde, Athol Wells\*, John Wort\*, Laura Price\* (\* Joint final author)
- PA2436** **ALTERED SYNCHRONY OF RIGHT VENTRICULAR CONTRACTION IN BORDERLINE PULMONARY HYPERTENSION**  
Bouchra Lamia (Rouen, France), Jean-Francois Muir, Luis-Carlos Molano, Catherine Viacroze, Philippe Bonnet, Jean Quieffin, Jacques Benichou, Antoine Cuvelier, Robert Naeije

- PA2437** **Body composition assessment in COPD and pulmonary hypertension patients**  
Leslie Verdeja Vendrell (Mexico, Mexico), Dulce González Islas, Arturo Orea Tejada, Abril Guadalupe Jiménez Cepeda, Ana Grecia Navarrete Peñalosa, Guillermo Karey Pérez Cortés, Luis Felipe Castillo Aguilar, Viridiana Peláez Hernández, Francisco Alejandro Figueroa Herrera, Sonia Torres Montiel, Bernardo Robles Uribe, Rocío Nayeli Sánchez Santillán
- PA2438** **Dose-effect of inhaled NO in patients with IPF using right heart catheterization.**  
Bita Hajian (Huizen, Netherlands), Jan de Backer, Cedric van Holsbeke, Wim Vos, Fransisca Ferreira, Annemie Hufkens, Rita Claes, Wilfried de Backer
- PA2439** **Clinical profile of pulmonary hypertension at a tertiary care centre, India**  
Sameer Bansal (NAVI MUMBAI (Maharashtra), India), Ketaki Utpat, Unnati Desai, Jyotsna Joshi
- PA2440** **DECREASED PULMONARY VASCULAR DISTENSIBILITY IN ADOLESCENTS CONCEIVED BY ASSISTED REPRODUCTIVE TECHNOLOGIES.**  
Kevin Forton (BRUXELLES, Belgium), Yoshiki Motoji, Beatrice Pezzuto, Anne Delbaere, Vitalie Faoro, Robert Naeije
- PA2441** **Validation of cardiac MR parameters in the assessment of pulmonary hemodynamics**  
Balázs Odler (Graz, Austria), Ursula Reiter, Gert Reiter, Michael Fuchsjäger, Vasile Foris, Adrienn Tornyos, Philipp Douschan, Susanne Pfeiffer, Andrea Olschewski, Horst Olschewski, Gabor Kovacs
- PA2442** **Microvascular Endothelial Function in treated Pulmonary Arterial Hypertension**  
Logan Thirugnanasothy (Newcastle upon Tyne, United Kingdom), Sasiharan Sithamparanathan, Adam Groves, John Simpson, John Allen, Paul Corris
- PA2443** **Echocardiographic tricuspid regurgitation velocity versus echocardiographic right ventricular systolic pressure in pulmonary hypertension diagnosis**  
Lamia Shaaban (Assiut, Egypt), Olfat M. Elshinawy, Gamal M. Agmy, Raed Dweik, Adriano Tonelli, Mostafa K. Ahmed
- PA2444** **Cardiac remodelling and hemodynamic changes in pulmonary hypertension after double lung transplantation**  
Agustin Garcia Roca (BUENOS AIRES, Argentina), Jorge Cáneva, Liliana Ethel Favalaro, Francisco Klein, Graciela Tuhay, Juan Osses, Alejandro Cicolini, Eduardo Guevara, Graciela Wagner, Juana Rosalia Ahumada, Gustavo Parrilla, Roberto Rene Favalaro, Alejandro Mario Bertolotti
- PA2445** **Late Diastolic dyssynchrony: A novel method to determine RV function in pulmonary hypertension?**  
Timothy Crowe (GLASGOW, United Kingdom), Piotr Sonecki, Geeshath Jayasekera, Alison MacKenzie, Colin Church, Martin Johnson, Andrew Peacock

TP-20 (Hall 4)

Session 297

12:50 - 14:40

## Thematic Poster: General thoracic surgery

**Chairs :** Vincenzo Ambrogi (ROMA, RM, Italy), Anne Olland (Strasbourg, France), Kalliopi Athanassiadi (Athens, Greece), Chair to be confirmed

- PA2446** **One year follow-up on pulmonary function for lobectomized patients.**  
Masanori Yokoba (Kanagawa, Japan), Tsuyoshi Ichikawa, Masashi Kasajima, Yasuhiro Hiyoshi, Yoshiro Nakahara, Sakiko Otani, Tomoya Fukui, Satoshi Igawa, Hisashi Mitsufuji, Masaru Kubota, Jiichiro Sasaki, Masato Katagiri, Yukitoshi Satoh, Noriyuki Masuda, Mikiko Ishihara
- PA2448** **Concealed COPD diagnosis in candidates to thoracic surgery**  
Simone Scarlata (Roma, Rm, Italy), Simona Santangelo, Gilda Giannunzio, Raffaele Antonelli Incalzi
- PA2449** **Diaphragmatic flap for primary repair in thoracic esophagectomy anastomotic leak**  
Alessandro Pardolesi (milan, Italy), Luca Bertolaccini, Jury Brandolini, Desideria Argnani, Stefano Sanna, Marta Mengozzi, Piergiorgio Solli
- PA2450** **Operations Which Are Technical and Difficult to Resolve in Non-Small Cell Lung Cancer: Videothoroscopic Bi-lobectomies**  
Ozgur Ozturk (ZMR, Turkey), Kenan Can Ceylan, Onur Akcay, Seyda Ors Kaya
- PA2451** **Bronchoscopic resection of endobronchial lipoma**  
Guven Sadi Sunam (Konya, Turkey), MURAT ONCEL, FIKRET KANAT, HUSEYIN YILDIRAN
- PA2452** **Video-assisted thoracoscopic surgical (VATs) biopsy in interstitial lung disease – experience in 3 Irish centres**  
Cliona O'Donnell (Dublin 4, Ireland), Cliona O'Donnell, Parthiban Nadarjan, Nathalie Doolan, Klara Doherty, Donna Eaton, Karen Redmond, Michael Tolan, David Healy, Aurelie Fabre
- PA2453** **Reconstructive surgery of brachiocephalic artery to severe multiple handicapped children with central airway stenosis.**  
Masahiro Mitsuoka (Fukuoka, Japan), Shinzo Takamori, Masaki Kashihara, Koichi Yoshiyama, Yoshito Akagi

- PA2454** **Benign metastazing leiomyomas to the lungs.**  
Aleksey Reshetov (ST PETERSBURG, Russian Federation), Vasily Klimenko, Aleksey Elkin, Lubov Mitrofanova, Petr Konovalov, Irina Antonova, Dmitry Ermakov, Alexandr Luft
- PA2455** **A Risk Stratification Model for Postoperative Complications following Video-Assisted Thoracic Surgery Lobectomy**  
Luca Bertolaccini (Ravenna, Italy), Desideria Argnani, Jury Brandolini, Alessandro Pardolesi, Piergiorgio Solli, Alessandra Criscione, Francesco Borrata, Marco Nardini, Enrica Monaco, Marcello Migliore
- PA2456** **Surgical managment of complicated pulmonary hydatid cysts: Report of 1749 cases**  
Alaa Aqqad (tunis, Tunisia), Hazem Zribi, amina abdelkbir, Mohamed Messai, Mahdi Abdennadher, Sarra Zairi, Hanen Smadhi , Sarra Maazaoui , Adel Marghli
- PA2457** **Pleural Empyema - Should we call the thoracic surgeon early?**  
Dionísio Joaquim de Castro Maia (Vila do Conde, Portugal), Dionísio Joaquim de Castro Maia, João Santos Silva, Ana Rita Costa, João Reis, Pedro Baptista, Paulo Calvino
- PA2458** **Pleurectomy, decortication and hyperthermic chemotherapy in malignant pleural mesothelioma, a single institution experience**  
Ayse Gul Ergonul ( zmir, Turkey), ali Ozdil, tevfik ilker Akcam, kutsal Turhan, alpaslan Cakan, Ufuk Cagirici
- PA2459** **Metalloptysis after bilobectomy for lung cancer: Case report and literature review**  
Robin Parmar (Montreal, Canada), Nicole Ezer, Andreea Morogan
- PA2460** **Cushing's syndrome as a first sign of lung carcinoid in radically operated patient- case report.**  
Anatoli Semkov (SOFIA, Bulgaria), Danail Petrov, Georgi Iankov

## TP-21 (Hall 4)

## Session 298

12:50 - 14:40

## Thematic Poster: Lung transplant outcomes

**Chairs :** Claus Neurohr (Munich, Germany), Christophe Pison (Grenoble, France), Stijn Verleden (Leuven, Belgium), James Laurence Lordan (Newcastle upon Tyne, United Kingdom)

- PA2461** **Bronchial stenosis treatment after lung transplantation**  
Nikolay Nechaev (Moscow, Russian Federation), Alexander Inozemtsev, Sergey Golovinskiy, Vitaliy Poptsov, Sergey Gautier
- PA2462** **Bronchial anastomotic complication in alpha1-antitrypsin deficiency**  
Jana Kleinerova (Dublin 8, Ireland), Andre Pozza, Lana Khorsheed, Sara Winward, Iain Lawrie, Karen Redmond, Donna Eaton, David Healy, Lars Nolke, David McSharry, Oisín O'Connell, Jim Egan
- PA2463** **Effect of early Switch to Belatacept As Primary Immunosuppressive Regimen Among Calcineurin Inhibitor-Intolerant Lung-Transplant Recipients: A single-center series.**  
Olivier Brugière (Paris, France), Olivier Brugière, Vincent Bunel, Quentin Raimbourg, Marie-Noelle Peraldi, Gisèle Mourin, Deborah Sroussi, Gilles Jebrak, Gaëlle Dauriat, Brice Lortat-Jacob, Enora Thiery-Atchade, Sylvain Jean-Baptiste, Quentin Pellenc, Yves Castier, Gabriel Thabut, Hervé Mal
- PA2464** **Arterial stiffness measurement on lung transplanted patients.**  
Renata Marietta Bocskei (Budapest, Hungary), Noemi Eszes, Zoltan Sutto, Eszter Csiszer, Gyorgy Losonczy, Veronika Muller, Gyorgy Lang, Ferenc Renyi-Vamos, Attila Cziraki, Aniko Bohacs
- PA2465** **Quantitative Functional Respiratory Imaging may predict the mechanism of FEV1 Decline after Lung Transplantation**  
Wim Vos (Heist-op-den-Berg, Belgium), Eduardo Barbosa, Francisca Ferreira, Cedric Van Holsbeke, Wilfried De Backer, Jan De Backer, James Lee
- PA2466** **Lung ultrasound for the diagnosis of post-operative complications after lung transplantation**  
Jesper Rømhild Davidsen (Odense C, Denmark), Jesper Rømhild Davidsen, Hans Henrik Lawaetz Schultz, Daniel Pilsgaard Henriksen, Martin Iversen, Anna Kalhauge, Jørn Carlsen, Michael Perch, Christian B. Laursen
- PA2467** **Semiology of thoracic ultrasound (US) examination in lung transplant patients out of pulmonary complication.**  
Sylvain Droneau (Rouffiac-Tolosan, France), Elise Noel-Savina, Gavin Plat, Marlene Murriss, Aurelie Leborgne-Krams, Alain Didier
- PA2468** **Could LDH monitoring after lung transplantation be used as screening tool for post-transplant lymphoproliferative disorder (PTLD)?**  
Andre Costa-Pozza (Dublin, Ireland), Jana Kleinerova, Lana F Korsheed, Sara Winward, Iain Lawrie, Margaret Hannan, Karen C Redmond, Donna Eaton, David Healy, Lars Nolke, Hossein Javadpour, David McSharry, Jim J Egan, Oisín J O'Connell

- PA2469** **Chronic lung allograft disease: prevalence and FEV1 decline in a Brazilian lung transplant cohort.**  
Fernando M F Didier Neto (SAO PAULO/SP, Brazil), Andre N Costa, Andre L P Albuquerque, Joao M Salge, Priscila C L B Camargo

TP-22 (Hall 4)

Session 299

12:50 - 14:40

**Thematic Poster: Lung function testing in different patient categories**

**Chairs :** Karl Sylvester (Cambridge, United Kingdom), Monika Franczuk (Warszawa, Poland), Laurie Smith (Sheffield, United Kingdom), Aisling Mcgowan (Dublin 15, Ireland)

- PA2470** **Association between bronchial reactivity and body mass index**  
Gunta Strazda (Riga, Latvia), Normunds Jurka, Dace Zentina, Immanuels Taivans
- PA2471** **The influence of posture on the respiratory system resistance in eutrophic and obese subjects.**  
Mayara Holtz de Paula (Ribeirão Preto, Brazil), Larissa Perossi Nascimento, Daniele Oliveira dos Santos, Letícia Helena De Souza, José Antônio Baddini Martinez, Hugo Celso Dutra de Souza, Ada Clarice Gastaldi
- PA2472** **Regional Pulmonary Ventilation analysis guided by Electrical Impedance Tomography in Morbid Obese Patients undergoing Videolaparoscopic Gastroplasty**  
Daniella Brandao (Recife/Pe, Brazil), Christian Gonçalves, Sóstynes Albuquerque Silva, Camila Melo, Shirley Campos, Cyda Reinaux, Caio Morais, Norma Modolo, Armèle Dornelas de Andrade
- PA2473** **Morbidly obese patients have altered respiratory mechanics when assessed by the Impulse Oscillometry System?**  
Marlus Karsten (Florianopolis/Sc, Brazil), Raysa Venâncio, Renata Gonçalves, Camila Schivinski, Anamaria Mayer, Darlan Matte
- PA2474** **Clinical features of patients on a Barretts Esophagus registry screened for Obstructive Sleep Apnoea.**  
Peter Coss (Dublin 8, Ireland), D O Toole, N Ravi, M O Brien, N Clarke, P Lawlor, J O Sullivan, P Goodman, J Reynolds, AM McLaughlin
- PA2475** **The Use of Respiratory Sounds for Automated Detection of Obstructive Pulmonary Disease: Do Lung Sound Labels Provide Value?**  
Richard Fletcher (Cambridge, United States of America), Daniel Chamberlain, yogesh Thorat, Vandana Vincent, Rahul Kodgule
- PA2476** **The evaluation of frequency dependence of resistance using a patient-specific 3D physical model and a computational model**  
Marcia Soares (LEICESTER, United Kingdom), John Owers-Bradley, Brody Foy, David Kay, Salman Siddiqui
- PA2477** **Is Fractional exhaled nitric oxide (FeNO) test reliable in the differentiation of chronic obstructive pulmonary disease (COPD) and ACOS (asthma-COPD overlap syndrome)?**  
Salma Mokaddem Mohsen (Tunis, Tunisia), Sana Ben Jemaa, Dorra El Guiche, Khadija Ayed, Islem Latifa Hadj Khalifa, Saloua Ben Khamsa Jameledine
- PA2478** **Potential utility of the N2 VC SBW test in adult asthma**  
Sanna Kjellberg (Skara, Sweden), Emilia Viklund, Paul Robinson, Olle Zetterström, Anna-Carin Olin, Per Gustafsson
- PA2479** **Assessment of lung function in patients with COPD using the Inspired Sinewave Technique**  
Richard Bruce (Abingdon, United Kingdom), Phi Anh Phan, Najib Rahman, Andrew Farmery, Edmund Pacpaco
- PA2480** **Method of volumetric capnography in the evaluation of small airway function in patients with asthma**  
Irina Ponomareva (Ryazan, Russian Federation), Vladimir Abrosimov, Sergei Subbotin
- PA2481** **Volume validation and correlation between electrical impedance measurements and pulmonary volumes**  
Cibelle Lima (RECIFE/PE, Brazil), Renata Souza, Catarina Rattes, Shirley Campos, Rodrigo Viana, Erika Andrade, Caio Morais, Armele Dornelas
- PA2482** **Electrical impedance tomography: Intra and inter-rater reliability in healthy subjects.**  
Cibelle Lima (RECIFE/PE, Brazil), Catarina Rattes, Renata Souza, Shirley Campos, Erika Andrade, Rodrigo Viana, Paulo Magalhães, Armele Dornelas, Sóstyis Albuquerque
- PA2483** **Does a screening spirometry test, on the ECC world COPD day 2015 at the Brussels European Berlaymont building, reveals tobacco influences' among their employees?**  
Daniel Schuermans (Bruxelles, Belgium), Karl Sylvester, Sara McArthur, Geert Celis, Sven Verschraegen
- PA2484** **The test of incremental respiratory endurance is significantly related to pulmonary function in COPD**  
Magno F. Formiga (MIAMI, United States of America), Michael A. Campos, Lawrence P. Cahalin, Kira Balestrini, Valerie Bagley, Landy Luna

- PA2485** **Quality assurance of full polysomnography scoring using the American Academy of Sleep Medicine (AASM) inter-scoring reliability (ISR) program.**  
Adrian Hugh Kendrick (Bristol, United Kingdom), Mark Hardyman, Rachel Pickersgill, Nadine Pillinger, Bruno Santos
- PA2486** **Outpatient initiation of long term domiciliary non-invasive ventilation in chronic stable type II respiratory failure**  
Richard Glover (BIRMINGHAM, United Kingdom), Julie Lloyd, Iyad Ismail
- PA2487** **Vital Capacity after lung transplantation: a follow-up study**  
T.J. Provily (Nieuw-Lekkerland, Netherlands), L. De Ruiter, M.J.M. Horstman, M. Wapenaar-De Korver, C.J. Lammering, J.J. Van Weezel, R.A.S. Hoek, H.C. Hoogsteden
- PA2488** **Will lung distension become a functional diagnostic criterion for COPD?**  
Ouaifa Bouzekri (CONSTANTINE, Algeria), Mohamed kheireddine Bourahli, Mehdi Martani, Mohamed Bougrida
- PA2489** **Visual analogue scores for interstitial lung disease: a prospective validation study**  
Helen Yates (Richmond, United Kingdom), Nick A Maskell, Charles Sharp

TP-23 (Hall 4)

Session 300

12:50 - 14:40

**Thematic Poster: Lung function practice in daily life****Chairs :** Daniel Schuermans (Bruxelles, Belgium), Julie Lloyd (Birmingham, United Kingdom), Maureen P. Swanney (Christchurch, New Zealand)

- PA2490** **Safety of performing Spirometry in patients with Abdominal Aortic Aneurysm (AAA) and the utility of Forced Expiratory Volume in first second (FEV1) in predicting length of postoperative hospital stay.**  
Motty Varghese (Dublin 8, Ireland), Peter Coss, Alanna Martin, Orla Gavin, Prakash Madhavan, Rory O Donnell
- PA2491** **Measurement of lung distensibility in healthy children**  
Nidhal Gharbawi (LEICESTER, United Kingdom), Maria Viskaduraki, Erol Gaillard, Gregory Duncan, Caroline Beardsmore
- PA2492** **Bronchodilator reversibility using Impulse Oscillometry to differentiate between asthma and COPD**  
Shweta Rasam (PUNE (MAHARASHTRA), India), Rahul Kodgule, Nitin Vanjare, Anurag Agarwal, Sundeep Salvi
- PA2493** **Body plethysmography abnormal parameters in 1374 individuals with normal spirometry and negative bronchodilator test**  
Tiago António Queirós Jacinto (Senhora da Hora, Portugal), Ivania Goncalves, Rita Amaral, Ana Pereira, Luís Araújo, Mariana Couto, João Fonseca
- PA2494** **OROFARINGEOUS DEPOSIT OF DRUGS ADMINISTERED BY DRY POWDER INHALERS.**  
Ana Fernandez-Tena (Oviedo (Asturias), Spain), Joaquin Fernandez-Francos, Cristina Martinez-Gonzalez, Pere Casan-Clara
- PA2495** **Aerosol characteristics of a unique breath-actuated nebulizer**  
Ronnie Toddywala (Princeton, United States of America), Vijay Shukla, Michael Newhouse
- PA2496** **1 Minute Sit-to-Stand Test versus 6 minutes walk test: methods of evaluating exercise capacity in COPD patients**  
Marius-Gabriel Sava (Rm Sarat, Romania), Catalin Geambasu, Daniela Jipa, Monica Chirea, Alina Croitoru, Stefan Dumitrache-Rujinski, Claudia Toma, Miron Bogdan
- PA2498** **Is a cardiopulmonary exercise test (CPET) associated with an increase in high sensitivity cardiac troponin T (hs-cTnT) levels in patients with COPD?**  
Christine Gudim Karlsen (Hakadal, Norway), Nils Henrik Holmedahl, Gunnar Einvik, Vidar Søyseth, Anne Edvardsen
- PA2499** **Gastro-oesophageal reflux (GOR) during spirometry: prevalence and effects**  
Ming Yan Teo (Ultimo, NSW, Australia), Jerry Zhou, Vincent Ho, John Brannan
- PA2500** **Training in Multiple Breath Washout (MBW) testing for bronchiectasis (BE) clinical trials.**  
Katherine O'Neill (Belfast, United Kingdom), Katherine O'Neill, Michael M Tunney, J Stuart Elborn, Judy M Bradley
- PA2501** **Spirometry measured broncho-constriction in patients attending cardiac exercise tolerance test**  
Khalid Gaber (Benghazi, Libya), Fatma Alagouri, Najat M Aloshibi
- PA2502** **The prevalence of previously unrecognised respiratory pathology in patients attending for cardiac surgery>**  
Sara Mcarthur (Edinburgh, United Kingdom), J.Alastair Innes
- PA2503** **Prevalence of COPD suitable to lung volume reduction in a hospital-based lung function outpatient clinic**  
Cristina Lalmolda Puyol (Barcelona, Spain), Maribel Arranz, Ana Galera, Daniel Monserrate, Laura Vigil, Eduard Monso

- PA2504** **Telemedicine for quality control of spirometry in primary care. Results 6 years after implantation in a public health system.**  
Nuria Marina Malanda (Leioa (Vizcaya), Spain), Victor Bustamante, Elena Lopez de Santa Marina, Nerea Aranguren, Josep Benavent, Nicolas Gonzalez, Juan B. Galdiz
- PA2505** **Reference values of MostGraph (forced oscillation technique) for healthy Japanese adults**  
Wakaba Furuie (Tokyo, Japan), Junji Endo, Yoshio Otani, Yoichi Nakamura, Miho Akaza, Tetsuo Sasano, Yuki Sumi, Yasunari Miyazaki, Naohiko Inase
- PA2506** **Reference values of spirometry for an adult local portuguese population**  
Sandra De Jesus Alberto De Carvalho (Vila Franca de Xira, Portugal), Paula Rosa, Anália Clérigo, Carina Silva
- PA2507** **Comparison of the FEV1 value from five reference equations: ESCS 71|83|93, NHANES and GLI.**  
Manuel Filipe Sousa Fernandes (Lisboa, Portugal), Susana Moreira, Margarida Silva, Dina Escaleira, Richard Staats, João Valença, André Barros, Crisitina Bárbara
- PA2508** **The simple way of lung membrane diffusion capacity and alveolar volume evaluation**  
Evgeny V Babarskov (Moscow, Russian Federation), Alexander Cherniak, Zaurbek Aisanov, Yury Shulagin, Alexander Chuchalin

## TP-24 (Hall 4)

## Session 301

12:50 - 14:40

## Thematic Poster: Assessing functional outcomes in respiratory physiotherapy

**Chairs :** Didier Saey (Québec, QC, Canada), Karina Couto Furlanetto (Londrina/Pr, Brazil), Maria Koulopoulou (London, United Kingdom), Deniz Inal-Ince (Ankara, Turkey)

- PA2509** **Outcome measures used in pulmonary rehabilitation of Acute Exacerbation of COPD**  
Ana Luisa Araújo Oliveira (Vila Nova de Famalicão, Portugal), Ana Luisa Araújo Oliveira, Alda Marques
- PA2510** **The acute impact of exercise test on exhaled carbon monoxide rate**  
Hazal Yakut (ZMR, Turkey), Sevgi Özalevli, Özgür Kılınç
- PA2511** **The assessment of dynamic balance using four square step test in COPD**  
Ali Yalman (Denizli, Turkey), Ugur Yanbal, Suleyman Gursoy, Orcin Telli Atalay, Harun Taskin, Aysenur Yilmaz, Berna Ozturk
- PA2512** **Maximal Exercise capacity as discriminatory factor to identify subjects with COPD as physical active/inactive: Preliminary results.**  
Igor Brito (LONDRINA/PR, Brazil), Antenor Rodrigues, Lorena P. Schneider, Karina C. Furlanetto, Nidia A. Hernandez, Fabio Pitta, Vanessa S. Probst
- PA2513** **Which reference equation should be used to classify Brazilian patients with COPD as having poor six-minute walk distance?**  
Felipe Machado (Londrina, Brazil), Gianna W. Bisca, Andrea A. Morita, Antenor Rodrigues, Karina C. Furlanetto, Fabio Pitta, Nidia A. Hernandez
- PA2514** **Dynapenia in COPD exacerbation: what is its relevance in clinical prognosis?**  
Anna Claudia Sentanin (SAO CARLOS/SP, Brazil), Fernanda Cristina de Sousa, Kamilla Tays Marrara Marmorato, Barbara Uliana, Valeria Amorim Pires Di Lorenzo, Juliano Ferreira Arcuri
- PA2515** **The effects of dyspnoea in lung transplant candidates**  
Fatma Mutluay (Istanbul, Turkey), Esra Pehlivan, Arif Balçın, Lütfiye Kılınç
- PA2516** **Impact of metabolic and ventilatory demand during activities of daily living on oxygen saturation and dyspnea**  
Marina Barusso-Grüninger (Tatuí/SP, Brazil), Marina Barusso-Grüninger, Júlia Gianjeppe-Santos, Valéria Pires Di Lorenzo
- PA2517** **The effect of perceived exertion on balance in patients with chronic respiratory diseases**  
Katerina Neumannova (Olomouc, Czech Republic), Zdenek Svoboda, Miroslav Janura, Monika Zurkova, Vladimira Lostakova, Vladimir Koblizek, Nicolas Vuillerme
- PA2518** **Reliability intra and inter-rater of a handheld dynamometer in COPD patients**  
Anna Claudia Sentanin (SAO CARLOS/SP, Brazil), Carina de Araujo Facio, Valeria Amorim Pires Di Lorenzo
- PA2519** **Determinants of physical activity in individuals with lung cancer who has received chemotherapy: pilot study**  
Buse Ozcan Kahraman (Izmir, Turkey), Elvan Keles, Murat Keser, Meric Yıldırım, Tuğba Yavuz, Didem Karadibak

- PA2520** **Protection factors against inspiratory muscle weakness in patients on hemodialysis**  
RENATA SOUZA (Recife/PE, Brazil), ANA MEDEIROS, DANIELLA BRANDÃO, CARLOS BARROS, HELEN FUZARI, ARMELE DORNELAS DE ANDRADE, PATRICIA MARINHO, FREDERICO CAVALCANTI
- PA2521** **Timed up and go test: a potential objective test to evaluate mobility patients with pulmonary arterial hypertension**  
Buse Ozcan Kahraman (Izmir, Turkey), Ismail Ozsoy, Serap Acar, Ebru Ozpelit, Can Sevinc, Bahri Akdeniz, Sema Savci
- PA2523** **An Evaluation of the Functional Capacity and Physical Activity Level in Patients with Breast Cancer**  
Cemile Bozdemir Ozel (Eskisehir, Turkey), Naciye Vardar Yagli, Asli Çakmak, Melda Saglam, Hazal Sonbahar, Deniz Inal Ince, Haluk Tekerlek, Ebru Calik Kutucu, Hulya Arikan
- PA2524** **Fatigue and functional capacity in kidney transplant recipients before and after transplant.**  
Luciana Chiavegato (SAO PAULO/SP, Brazil), Fernanda R Santana, Rosimeire S Padula, Erika A B Suster
- PA2525** **The use of the Nijmegen Questionnaire in assessment of breathing pattern disorders in COPD**  
Ruth De Vos (Southampton, United Kingdom), Eleanor Lanning, Thomas Jones, Daniel Neville, Jayne Longstaff, Claire Roberts, Anoop Chauhan

## TP-25 (Hall 4)

## Session 302

12:50 - 14:40

## Thematic Poster: Implementation of respiratory physiotherapy interventions in clinical practice

**Chairs :** Carlos Augusto Camillo (Londrina, Brazil), Elena Gimeno-Santos (Barcelona, Spain), Shakila Devi Perumal (Chorley, United Kingdom), Stephanie K Mansell (Guildford, United Kingdom)

- PA2526** **Mapping COPD care in primary care – professionals' perspective. A mixed methods study.**  
Sara Lundell (Umeå, Sweden), Malin Tistad, Börje Rehn, Maria Wiklund, Åsa Holmner, Karin Wadell
- PA2527** **Striving to improve the efficiency of our exercise service: A quality improvement project**  
Sarah Todd (London, United Kingdom), Sarah Akers
- PA2529** **Improving access to respiratory outreach services in an acute teaching hospital– a quality improvement project**  
Stephen Shelley, Ciara Gleeson, Maria Baily-Scanlan, Jenny Brady, Marian Broderick, Lorraine Dolan, Victoria Graham, Róisín Kennedy, Namucana Nyambe
- PA2530** **Respiratory physiotherapy – a clinical guideline**  
Linette Marie Kofod (Jyllinge, Denmark), Andreas Holst Andersen, Hanne Rohde, Lise Bernhard, Malene Mourier, Lone Schaadt, Signe Mogensen Versterre, Susan Warming, Susanne Nielsen
- PA2532** **QUALITY OF LIFE AND FUNCTIONALITY AFTER RENAL TRANSPLANT: A PHYSIOTHERAPY PROTOCOL.**  
Luciana Campanatti Palhares (Campinas/Sp, Brazil), Tais Caldeira Simoncini, Priscila Gabriely Da Silva Augusto, Fernanda DióRio Masi Galhardo, Marcelo Gustavo Pereira, Bruna Scharlack Vian, Monica Corso Pereira, Marilda Mazzali
- PA2533** **Airway clearance techniques for patients with acute exacerbations of COPD – physiotherapy practice in Sweden.**  
Elisabeth Westerdahl (Orebro, Sweden), Christian Osadnik, Margareta Emtner
- PA2534** **Respiratory physiotherapy practice in intensive care units: a survey study**  
Aslihan Cakmak (ANKARA, Turkey), Deniz Inal Ince, Melda Saglam, Naciye Vardar Yagli, Cemile Bozdemir Ozel, Hazal Sonbahar Ulu, Ebru Calik Kutucu, Hulya Arikan
- PA2535** **Relevance of respiratory secretion related outcomes measures in palliative care**  
Juliano Ferreira Arcuri (Mogi-Mirim/Sp, Brazil), Nancy Preston, Flávia de Resende Luz, Valéria Amorim Pires Di Lorenzo
- PA2536** **Rhythm and song: Breath management in Idiopathic Interstitial Pneumonias (IIP's). Pilot study.**  
Anne-Marie Russell (London, United Kingdom), Phoebe Cave, Karen Taylor, Adam Lewis, Nicholas S Hopkinson, Athol U Wells
- PA2537** **Short-term effects of virtual reality and music with exercise training on affective responses and satisfaction level in patients with chronic respiratory disease**  
Haluk Tekerlek (ANKARA, Turkey), Naciye Vardar Yagli, Melda Saglam, Aslihan Cakmak, Cemile Bozdemir Ozel, Hazal Sonbahar Ulu, Ebru Calik Kutucu, Deniz Inal Ince, Hulya Arikan, Lutfi Coplu
- PA2538** **Respiratory Parameters and Exercise Capacity in Brass Instrument Players and Healthy Controls**  
Dilara Sen Saklica (Ankara, Turkey), Deniz Inal-Ince, Melda Saglam, Naciye Vardar-Yagli, Ebru Calik-Kutucu, Hulya Arikan
- PA2539** **Biomass burning exposure on pulmonary function and inflammatory markers in individuals with COPD**  
Aline Ferreira (PRESIDENTE PRUDENTE/SP, Brazil), Ercy Mara Ramos, Marcell Leite, Iara Trevisan, Natália Pontes, Mahara Proença, Dionei Ramos

- PA2540** **Effects of upper extremity aerobic exercise training on functional exercise capacity, respiratory muscle strength and dyspnea in patients with pulmonary arterial hypertension: A preliminary report**  
Meral Bosnak Guclu (Ankara, Turkey), Meral Bo nak Güçlü, Mü errefe Nur Kele , Gülten Aydo du Taço y, Atiye Çengel
- PA2541** **Effects of neuromuscular electrical stimulation on functional exercise capacity, respiratory and peripheral muscle strength in patients with interstitial lung disease: A preliminary report**  
Meral Bosnak Guclu (Ankara, Turkey), Meral Bo nak Güçlü, Mü errefe Nur Kele , Deran Oskay, Haluk Türkta
- PA2542** **Compensatory movement strategies during movements of the upper quadrant in patients with COPD**  
Joana Cruz (Albergaria-a-Velha, Portugal), Nuno Morais, Alda Marques

**TP-26 (Hall 4) Session 303 12:50 - 14:40**

**Thematic Poster: Airway clearance techniques and respiratory physiotherapy in hospitalized patients**

**Chairs :** Chris Burtin (Diepenbeek, Belgium), Joana Cruz (Albergaria-a-Velha, Portugal), Christian Osadnik (Melbourne, VIC, Australia), Chair to be confirmed

- PA2543** **Numerical model of air-mucus interactions in a bronchus**  
Benjamin Mauroy (NICE, France), Haribalan Kumar
- PA2545** **European survey of the clinical use of mechanical insufflation-exsufflation in children with neuromuscular disorders.**  
Brit Hov (Oslo, Norway), Tiina Andersen, Vegard Hovland, Michel Toussaint
- PA2546** **Bubble-positive expiratory pressure improves sputum clearance in people with bronchiectasis: a randomised crossover trial**  
Mary Santos (Randwick, NSW, Australia), Maree Milross, David McKenzie, Jennifer Alison
- PA2547** **M-mode sonography of diaphragmatic motion in order to set the cough-assist machine in the uncooperative patients**  
Angelo Longoni (Mariano Comense, Italy), Antonio Paddeu, Dionigi Mangiacasale, Paolo Pozzi, Laura Cattaneo, Mariele Vago, Albino De Marco
- PA2548** **Effects of air stacking technique on peak expiratory flow and peak cough flow in patients undergoing non-cardiac thoracic surgery**  
Luciana Chiavegato (SAO PAULO/SP, Brazil), Renata J Teodoro, Marcela M M F Almeida, Sonia M Faresin
- PA2549** **Physiological study about advantages of monitoring mechanical assisted cough**  
Cristina Lalmolda Puyol (Barcelona, Spain), Héctor Prados, Georgina Mateu, Mariona Noray, Xavier Pomares, Manel Luján
- PA2550** **Evaluating the use of the CoughAssist E70 by inpatient physiotherapists**  
Rebecca Davies (London , United Kingdom), Abigail Roberts, Stephanie K Mansell
- PA2551** **A Comparison of Intrapulmonary Percussive Ventilation and conventional Chest Physical Therapy for COPD patients hospitalized for acute exacerbation**  
Kobi (Jacob) Dagan (Tzoran, Israel), Michael J Segel, Eliezer Carmeli
- PA2552** **SAFETY AND EFFECTIVENESS OF VENTILATOR HYPERINFLATION, ASSOCIATED OR NOT TO MANUAL ABDOMINAL COMPRESSION, IN CRITICALLY ILL PATIENTS UNDER MECHANICAL VENTILATION**  
Luciana Vieira (BRASÍLIA/DF, Brazil), Vinicius Silva, Maria Emilia Guimaraes, Gilmar Hussey, Joana Castro
- PA2553** **Impact of body position on oxygenation of patients with unilateral pleural effusion.**  
Stylianios Michaelides (Athens, Greece), Avgerinos-Romanos Michailidis, George Bablekos, Chrysoula Maniou, Antonis Analitis
- PA2554** **Serial rapid shallow breathing index as predictor of weaning in tracheostomized patients**  
Tassiane Batista de Souza (RIO DE JANEIRO/RJ, Brazil), Fernanda Silva, Katia Torres, Marcela Pereira, Kelly Cortes, Giovanna Carvalho, Monica Cruz, Marcelle De Sousa Dias
- PA2555** **Is handgrip strength a simple surrogate determiner for global, upper, and lower limb strength in critically ill patients?**  
Seher Özyürek ( ZM R, Turkey), Seher Özyürek, Devrim Can Saraç , Sema Savc , U ur Koca, Bilgin Cömert, Necati Gökmen
- PA2556** **Validity Of Physical Function ICU Test-scored (PFIT-s) Early Period After Major Abdominal Surgery**  
Ersin Avcı (Izmir, Turkey), Sema Savci, Didem Karadibak, Hulya Arikan



- PA2557 Pulmonary complications and hospital stay length in elderly patients submitted to aortic stenosis correction: does frailty matters?**  
Marlus Karsten (Florianopolis/Sc, Brazil), Rosangela Melo, Gustavo Ribeiro, Darlan Matte, Mauro Pontes
- PA2558 Comparison of Patients According to Walking Distance Early Period After Major Abdominal Surgery**  
Ersin Avci (Izmir, Turkey), Sema Savci, Didem Karadibak, Hulya Arikan
- PA2559 Daily Physical Activity as an Outcome Measure for Pulmonary Rehabilitation in Patients Undergoing Thoracoscopic Lung Cancer Surgery.**  
Yuta Takahashi (Tokyo, Japan), Fumitsugu Kojima, Nanami Kato, Daisuke Okamura, Nobuyuki Yoshiyasu, Yuya Ishikawa, Toru Bando, Sakura Tamaki
- PA2560 Physiotherapy intervention is safety in early postoperative patients after cardiac surgery?**  
Mauro Takei (MOGI DAS CRUZES/SP, Brazil), Emilia Nozawa, Mayson Laercio Sousa, Cyalmê Melo, Filomena Galas, Ludmila Hajjar, Maria Igenes Feltrim
- PA2561 Sleep disturbances, psychological conditions and severity symptoms during hospitalization due to AECOPD**  
Laura Lopez Lopez (GRANADA, Spain), Marie Carmen Valenza, Irene Torres Sanchez, Irene Cabrera Martos, M<sup>a</sup> Paz Moreno Ramirez, Araceli Ortiz Rubio
- PA2562 Results between two electrostimulation modalities in AECOPD patients**  
Laura Lopez Lopez (GRANADA, Spain), Marie Carmen Valenza, Irene Torres Sanchez, Irene Cabrera Martos, M<sup>a</sup> Paz Moreno Ramirez, Araceli Ortiz Rubio

TP-27 (Hall 4)

Session 304

12:50 - 14:40

**Thematic Poster: Assessing pulmonary and extra-pulmonary function in chronic disease****Chairs :** Agnieszka Lewko (London, United Kingdom), Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Andre Nyberg (Umeå, Sweden), Tania Janaudis-Ferreira (Montréal, QC, Canada)

- PA2563 Physical activity evaluation in non-cystic fibrosis bronchiectasis patients**  
Victoria Alcaraz Serrano (BARCELONA, Spain), Elena Gimeno-Santos, Edmundo Rosales-Mayor, Eva Polverino, Adrià Navarro-Puigdevall, Rosanel Amaro-Rodriguez, Antoni Torres
- PA2564 Comparison of physical activity level, activities of daily living, and depression between the patients with asthma and bronchiectasis**  
Seda Saka ( STANBUL, Turkey), Özge Ozalp, Ebru Çal k Kütükçü, Deniz nal nce, Melda Sa lam, Naciye Vardar Ya l , Meral Bo nak Güçlü, Hülya Ar kan, Lütfi Çöplü, Sema Savc
- PA2565 Validity of the Brief physical activity assessment tool for clinical use in COPD**  
Joana Cruz (Albergaria-a-Velha, Portugal), Cristina Jácome, Alda Marques
- PA2566 Pulmonary functions, respiratory muscle strength and motor skills in children with down syndrome: a comparative study**  
Ünal De er (Famagusta, Cyprus), Ünal De er, Selma Uzuner, Emine Handan Tuzun, Levent Eker, Serpil Mihcioglu, Mehtap Malkoc
- PA2567 Pulmonary function and respiratory muscle strength and endurance in individuals with Thoracic Outlet Syndrome**  
Melda Saglam (Ankara, Turkey), Tuzun Firat, Naciye Vardar-Yagli, Deniz Inal-Ince, Ebru Calik-Kutukcu, K vanc Delioglu, Cigdem Ayhan, Hulya Arikan, Cabir Yuksel, Ayten Kay Cangir
- PA2568 The effect of Parkinson's disease on respiratory capacity**  
Katerina Neumannova (Olomouc, Czech Republic), Martina Slachtova, Dagmar Dupalova, Radmil Dvorak
- PA2569 Impact of bariatric surgery on cardiopulmonary responses during exercise in obese adults**  
Larissa Delgado André (São José do Rio Preto, Brazil), Paula Angélica Ricci, Livia Pinheiro Carvalho, Ramona Cabiddu, Ana Cláudia Silva Farche, Luciana Di Thommazo-Luporini, Soraia Pilon Jurgensen, Claudio Ricardo Oliveira, José Carlos Bonjorno, José Michel Haddad, Audrey Borghi-Silva, Renata Basso-Vanelli
- PA2570 The relations between respiratory muscles strengths and exercise capacity in patients with ankylosing spondylitis**  
Orçin Telli Atalay (DEN ZL , Turkey), Orçin Telli Atalay, Harun Ta k n, Elif Gür Kabul, Bilge Ba akç Çal k, Ali hsan Y ld z, Ummuhan Bas Aslan, Murat Ta c , Fahrettin B çakc
- PA2571 Maximal exercise capacity and quality of life in allogeneic hematopoietic stem cell transplantation recipients**  
Gül ah Bar (Ankara, Turkey), Meral Bosnak Guclu, Sahika Zeynep Aki, Gulsan Turkoz Sucak
- PA2572 Pulmonary and extra-pulmonary characteristics in two distinct type of hematologic malignancies**  
Gül ah Bar (Ankara, Turkey), Meral Bosnak Guclu, Sahika Zeynep Aki, Gulsan Turkoz Sucak

- PA2573** **Mood, quality of life and functional exercise capacity in patients with lung cancer and comorbid hypertension**  
Maria Tereza Morano (Fortaleza/Ce, Brazil), Mariana A. B. Duailibe, Amanda S. Araújo, Ingrid C. Nogueira, Cyntia Maria S. Viana, Daniela G. B. Mont'Alverne, Eanes D. B. Pereira, Rafael Mesquita, Manoel O. Moraes Filho
- PA2574** **Lung sounds intensity: can we rely on recordings at spontaneous airflow?**  
Cristina Isabel Oliveira Jácome (Viatodos, Portugal), Cristina Isabel Oliveira Jácome, Juan Carlos Aviles-Solis, Alda Marques, Hasse Melbye
- PA2575** **Autonomic function in subjects with severe COPD**  
Jibril Mohammed (Ghent, Belgium), Eric Derom, Tine De Backer, Jessica Van Oosterwijck, Bihiyga Salhi, Hellen Da Silva, Patrick Calders
- PA2576** **Inter-rater reliability for ten maximal repetition test with elastic resistance**  
Carina Araujo De Facio (SÃO CARLOS/SP, Brazil), Anna Cláudia Sentanin, Valéria Amorim Pires Di Lorenzo
- PA2577** **Test-retest reliability of a hand-held dynamometer for quadriceps isometric maximal voluntary contractions measurements in COPD: a multicenter Canadian validation study**  
Kim-Ly Bui (Quebec City, Canada), Sunita Mathur, Pat Camp, Gail Dechman, François Maltais, Didier Saey
- PA2578** **Relationship between handgrip strength, peripheral muscle strength and respiratory muscle endurance in patients with Fibromyalgia Syndrome (FMS)?**  
Marlus Karsten (Florianopolis/Sc, Brazil), Natasha Melian, Joaquim Branco, Dayane Montemezzo, Renata Gonçalves, Alexandro Andrade, Darlan Matte
- PA2579** **Relationship between upper extremity functions and balance in individuals with pulmonary arterial hypertension**  
Buse Ozcan Kahraman (Izmir, Turkey), Ismail Ozsoy, Serap Acar, Ebru Ozpelit, Can Sevinc, Bahri Akdeniz, Sema Savci
- PA2580** **The relationship between pain and exercise capacity, peripheral muscle strength, and quality of life in individuals with pulmonary arterial hypertension**  
Buse Ozcan Kahraman (Izmir, Turkey), Ismail Ozsoy, Serap Acar, Ebru Ozpelit, Can Sevinc, Bahri Akdeniz, Sema Savci

## TP-28 (Hall 4)

## Session 305

12:50 - 14:40

## Thematic Poster: Patient experience of smoking cessation: new approaches

**Chairs :** Sheree M.S. Smith (Sydney, NSW, Australia), Samantha Prigmore (London, United Kingdom), Geraldine Burge (Solihull, United Kingdom), Carme Hernandez Carcereny (Barcelona, Spain)

- PA2581** **Chronic obstructive lung disease (COPD) and long term oxygen treatment**  
Selman celik ( STANBUL, Turkey)
- PA2582** **A systematic review of nursing interventions for breathlessness in COPD**  
Simen Alexander Steindal (Oslo, Norway), Trine Oksholm, Henny Torheim, Vivi Lycke Christensen, Kathryn Lee, Anners Lerdal, Heidi Øksnes Markussen , Gerd Gran , Marit Leine, Christine Råheim Borge
- PA2583** **A meta-synthesis of experiences of caregivers of people with COPD**  
Dhurata Ivziku (ROMA, RM, Italy), Marco Clari, Maria Matarese
- PA2584** **Unmet needs of people with COPD: an interpretive synthesis of qualitative research**  
Marco Clari (TORINO, TO, Italy), Riccardo Casciaro, Maria Matarese, Dhurata Ivziku
- PA2585** **Patient knowledge on COPD**  
Dhurata Ivziku (ROMA, RM, Italy), Marco Clari, Maria Matarese
- PA2586** **Patient preference and experience with control of sleep apnea treatment using written evaluation**  
Bettina Nissen Pedersen (Faborg, Denmark), Kirsten Hald Nielsen, Anne Dichmann Sorknaes
- PA2587** **Fast-track Pneumonia Pathway - with a focus on early progressive mobilization. A feasibility Study**  
Lise Clausen (HILLERØD, Denmark), Mette Børgesen, Pernille Ravn, Tom Møller
- PA2588** **Smoking cessation and weight gain**  
Silvia Arranz Alonso (Madrid, Spain), Paz Vaquero Lozano, Segismundo Solano Reina, Teresa Lopez Ruiz, Raquel Solano García-Tenorio, Margarita Izquierdo Nazar
- PA2589** **Supporting recruitment of community pharmacies for STOP intervention training**  
Wai Yee James (London, United Kingdom), Stephanie Taylor, Sandra Jumbe, Vichithranie Madurasinghe, Ratna Sohanpal, Elizabeth Steed, Sandra Eldridge, Chris Griffiths, Robert Walton
- PA2590** **Evaluation of the knowledge of the nurses of the health care network of a city in Brazil on the treatment for smoking cessation**  
Ilda de Godoy (Botucatu/Sp, Brazil), Ana E Oliveira, Irma Godoy

**PA2591 Confidence among respiratory and non-respiratory ward staff in administering oxygen therapy**  
Syed Fayyaz Hussain (Kettering, United Kingdom), Nur Najah Binti Mahmood, Maheen Gill

**PA2592 The role of nurses in team work: safety of the patients in interventional bronchoscopy**  
Aleksandra Trupkovic (Duga Resa, Croatia), Andreja Sajnic, Vida John

**PA2593 Development and validation of respiratory nurse's opinion about nursing standardized language, care plans and conceptual models: MOCMEL Survey**  
Silvia Arranz Alonso (Madrid, Spain)

TP-29 (Hall 4)

Session 306

12:50 - 14:40

**Thematic Poster: Respiratory epidemiology: from sarcoidosis to respiratory infections and tuberculosis**

**Chairs :** Joan B Soriano (Madrid, Spain), Cecilie Svanes (Bergen, Norway), Berne Eriksson (Halmstad, Sweden), Chair to be confirmed

**PA2594 Late Breaking Abstract - Spatial distribution and environmental risk factors of nontuberculous mycobacterial pulmonary disease in Japan**  
Kiyohiko Izumi (Kiyose, Tokyo, Japan), Kozo Morimoto, Kazuhiro Uchimura, Naoki Hasegawa, Manabu Ato, Satoshi Mitarai

**PA2595 Sarcoidosis mortality in Sweden: a population-based cohort study**  
Marios Rossides (Stockholm, Sweden), Susanna Kullberg, Johan Askling, Anders Eklund, Johan Grunewald, Elizabeth Arkema

**PA2596 First steps at implementing value based healthcare internationally in sarcoidosis: comparing outcomes.**  
Nynke Kampstra (Amersfoort, Netherlands), Philip J van der Wees, Paul B Van der Nat, Frouke van Beek, Coline HM van Moorsel, Robert P Baughman, Daniel C Culver, Elizabeth A Renzoni, Vasilis Kouranos, Wim Wuyts, Marlies S Wijnsenbeek, Pieter Zanen, Jan C Grutters

**PA2597 Comparing outcomes internationally in pulmonary sarcoidosis: PFT change by scadding stage**  
Nynke Kampstra (Amersfoort, Netherlands), Philip J van der Wees, Paul B van der Nat, Frouke van Beek, Coline HM van Moorsel, Robert P Baughman, Daniel C Culver, Elizabeth A Renzoni, Vasilis Kouranos, Wim Wuyts, Marlies S Wijnsenbeek, Pieter Zanen, Jan C Grutters

**PA2598 Sarcoidosis in Israel: Clinical outcome status, organ involvement and long term follow up**  
Gali Epstein Shochet (Kfar-Saba, Israel), Natalia Markavych, David Shitrit, Lilach Israeli-Shani

**PA2599 Sarcoidosis in South Croatia, 30-year follow up**  
Ivan Škopljanač (Kaštel Stari, Croatia), Kornelija Miše, Ivana Šegrt, Dino Ilak

**PA2600 Real life quantitative measurement of ambulation under oxygen therapy in patients with chronic respiratory insufficiency (ACTIMETRE study).**  
Eric Leutenegger (Paris, France), Ari Chaouat, Gilles Jebrak, Lionel Lerousseau, Daniel Piperno, Alain Palot, Frederic Le Guillou, Gilles Devouassoux, Philippe Richard, Luc Dussart, Didier Perrin, Gilles Giannoli, Edith Maetz, Dominique Muller

**PA2601 High frequency of unexplained breathlessness among UK HIV positive adults**  
James Brown (London, United Kingdom), Elisha Pickett, Santino Capocci, Sara Madge, Mike Youle, Lucy Brookes, Margaret Johnson, Swapna Mandal, John Hurst, Marc Lipman

**PA2602 Canadian incidence, prevalence and healthcare utilization for respiratory complications of adults with neuromuscular disease**  
Louise Rose (Toronto, ON, Canada), Douglas McKim, David Leasa, Mika Nonoyama, Anu Tandon, Yu Qing Bai, Reshma Amin, Sherri Katz, Roger Goldstein, Andrea Gershon

**PA2603 Incidence, prevalence and healthcare utilization for respiratory complications of children with neuromuscular disease in Ontario, Canada**  
Louise Rose (Toronto, ON, Canada), Douglas McKim, David Leasa, Mika Nonoyama, Anu Tandon, Yu Qing Bai, Reshma Amin, Sherri Katz, Roger Goldstein, Andrea Gershon

**PA2604 Epidemiology of pneumothorax: UK national primary care data (1995-2015)**  
Rob Hallifax (Oxford, United Kingdom), Jack Gibson, Najib Rahman, Richard Hubbard

**PA2605 A large-scale population-based cohort study of idiopathic interstitial pneumonia in Japan**  
Hiroyuki Chiba (Sapporo Hokkaido, Japan), Yuichiro Asai, Shun Kondoh, Hirotaka Nishikiori, Mamoru Takahashi, Koji Kuronuma, Mitsuo Otsuka, Gen Yamada, Hiroki Takahashi, Youhei Takahashi, Kimiyuki Ikeda, Atsushi Saito

- PA2606** **Poor self regulation correlates with the incidence of lung cancer in smokers**  
David Jungck (Berlin, Germany), Michael Bloch, Jürgen Knobloch, Juliane Kronsbein, Paul Bürger, Eike Bühlhoff, Deborah Wehde, Faisal Yusuf, Volkmar Nicolas, Andreas Mügge, Assem Aweimer, Henrik Rudolf, Andrea Koch
- PA2608** **Late Breaking Abstract - Dietary flavonoids and respiratory diseases: a population-based multi-case control study in Italian adults**  
Veronica Mattioli (Verona, Italy), Lucia Cazzoletti, Maria Elisabetta Zanolin, Vanessa Garcia-Larsen, Roberto Bono, Isa Cerveri, Pietro Pirina
- PA2609** **Quality of life in newly diagnosed lung cancer patients.**  
Jelena Bojovic (Podgorica, Republic of Montenegro)
- PA2610** **Direct and indirect economic and health consequences of Lung cancer in Denmark: a national register-based study: 1998–2010**  
Anders Løkke (Højbjerg, Denmark), Anders Løkke, Jeyanthini Risikesan, Anja Gouliaev Kirkeby, Ole Hilberg
- PA2611** **Diagnosing primary ciliary dyskinesia (PCD) using electron microscopy and exome sequencing**  
Suzanne Crowley (Oslo, Norway), Amelia Shoemark, Mari Ann Kulseth, Finn Reinholt, Ketil Heimdal
- PA2612** **Community knowledge, attitude, and practices towards tuberculosis in Tunisia**  
Nozha Bensalah (Tunis, Tunisia), Mohamed Hsairi, Houda Snene, Dorra Bejar, Nadia Mehiri, Rachid Fourati, Fatma Tritar, Bechir Louzir, Majed Beji
- PA2613** **XDR-TB prevalence in some regions of the Russian Federation**  
Marina A. Yakimova (Moscow, Russian Federation), Marina Artemovna Jakimova, Viktor Vasilievich Punga, Vadim Vitalievich Testov, Larisa Ivanovna Rusakova
- PA2614** **Epidemiology and characteristics of respiratory viral infection in 2006-2016 in Korean children**  
Hyemi Jee (Seongnam, Republic of Korea), SeungJin Lee, ChaeYeon Min, YongSun Jo, EunKyo Ha, KyungSuk Lee, Young-Ho Jung, ManYong Han

TP-30 (Hall 4)

Session 307

12:50 - 14:40

Thematic Poster: Asthma epidemiology among children and adults: from biomarkers to ACOS

Chairs : Stefania La Grutta (Palermo, PA, Italy), Linda Ekerljung (Göteborg, Sweden), Richard Beasley (Wellington, New Zealand), Elaine Fuertes (München, Germany)

- PA2615** **Late Breaking Abstract - Fathers' overweight and offspring asthma – an intergenerational perspective**  
Ane Johannessen (Bergen, Norway), Lucia Calciano, Marianne Lonnebotn, Randi Jacobsen Bertelsen, Lennart Braback, Mathias Holm, Christer Janson, Rain Jogi, Jorunn Kirkeleit, Caroline Lodge, Andrei Malinovski, Roy Miodini Nilsen, Francisco Gomez Real, José Luis Sanchez Ramos, Vivi Schlunssen, Deborah Jarvis, Simone Accordini, Cecilie Svanes
- PA2616** **Late Breaking Abstract - Risk factors for chronic cough in 14669 individuals from the general population**  
Morten Dahl (Køge, Denmark), Yunus çOlak, Børge Nordestgaard, Lars Laursen, Shoaib Afzal, Peter Lange
- PA2617** **Systematic review: validation of asthma recording in electronic health records**  
Francis Nissen (London, United Kingdom), Jennifer Quint, Samantha Wilkinson, Hana Muellerova, Liam Smeeth, Ian Douglas
- PA2618** **Application of Natural Language Processing algorithm for Predetermine Asthma Criteria to ascertainment of adult-onset asthma**  
Young J Juhn (Rochester, United States of America), Chung-Il Wi, Hee Yun Seol, Sunghwan Sohn, Sungrim Moon, Euijung Ryu, Richard Pendegraft, Miguel Park, Hongfang Liu
- PA2619** **Oxidative stress biomarkers and asthma characteristics in adults of the EGEA study**  
Miora Andrianjafimasy (Villejuif cedex, France), Farid Zerimech, Helene Huyvaert, Valérie Siroux, Régis Matran, Nicole LeMoual, Orianne Dumas, Rachel Nadif
- PA2620** **Gender differences in allergic and non-allergic asthma over 20 years of follow-up**  
Bobette Matulonga Diakiese (PARIS, France), Kai Triebner, Dominique Courbon, Simone Accordini, Joachim Heinrich, Christer Janson, Deborah Jarvis, Eva Lindberg, Isabelle Pin, Nicole Probst-Hensch, Valérie Siroux, Chantal Raheison, Elisabeth Zemp, Shyamali Dharmage, Francisco Gomez Real, Bénédicte Leynaert
- PA2621** **Increased prevalence of allergic asthma over 20 years in northern Sweden**  
Helena Backman (Lulea, Sweden), Petri Räisänen, Linnea Hedman, Caroline Stridsman, Martin Andersson, Anne Lindberg, Bo Lundback, Eva Rönmark
- PA2622** **Adult onset asthma is a persistent disease – report from the OLIN studies**  
Linnéa Qvist (Boden, Sweden), Linnéa Qvist, Helena Backman, Bo Lundbäck, Eva Rönmark, Linnea Hedman

- PA2623** **Prevalence of hypertension among elderly asthmatics: the Rotterdam Study.**  
Emmely De Roos (Rotterdam, Netherlands), Lies Lahousse, Arfan Ikram, Bruno Stricker, Guy Brusselle, Katia Verhamme
- PA2624** **Increased prevalence of asthma and respiratory symptoms 2008-2016 in West Sweden despite a major decrease in smoking**  
Linda Ekerljung (Göteborg, Sweden), Roxana Mincheva, Jan Lötvall, Göran Wennergren, Bo Lundbäck
- PA2625** **Predictors of early and late onset asthma in a rural population of children: The Saskatchewan Rural Health Study**  
Donna Rennie (Saskatoon, SK, Canada), Josh Lawson, Chandima Karunanayake, James Dosman, Punam Pahwa, Ambikaipakan Senthiselvan
- PA2626** **Efficacy of reslizumab in adults with severe eosinophilic asthma with 3 exacerbations in the previous year: analyses at weeks 16 and 52 of two placebo-controlled phase 3 trials**  
Anoop Chauhan (Portsmouth, United Kingdom), Margaret Garin, Shawn Sun
- PA2627** **The effects of inhaled corticosteroids on risk of self-reported osteoporosis and fractures in adult subjects with asthma**  
Angelo Guido Corsico (Pavia, Italy), Amelia Grosso, Lucia Cazzoletti, Veronica Mattioli, Federica Albicini, Erica Gini, Elisabetta Zanolin, Isa Cerveri
- PA2628** **Allergic sensitization associates differently to asthma, rhinitis and eczema during school ages**  
Joakim Bunne (Piteå, Sweden), Linnea Hedman, Martin Andersson, Eva Rönmark, Bo Lundbäck
- PA2629** **Chronic bronchitis, asthma and rhinitis are differently associated with cardiovascular risk factors and diseases.**  
Giancarlo Pesce (Verona, Vr, Italy), Alessandro Marcon, Lucia Cazzoletti, Salvatore Battaglia, Isa Cerveri, Pietro Pirina, Giulia Trucco, Francesca Locatelli, Marcello Ferrari
- PA2630** **Smog episode in Poland in January 2017 as a risk factor of increased hospital admissions due to respiratory and cardiovascular exacerbations**  
Artur Badyda (Warszawa, Poland), Piotr D browiecki
- PA2631** **Blood eosinophils and obstructive lung diseases – results from the population-based Austrian LEAD Study**  
Sylvia Hartl (Wien, Austria), Robab Breyer-Kohansal, Marie Katrin Breyer, Matthias Urban, Michael Studnicka, Otto Chris Burghuber
- PA2632** **Prevalences of lung diseases in a Chinese greenhouse working population**  
Shuo Liu (Shenyang, China), Xiaoge Wang
- PA2634** **Cell phenotyping, asthma control, and airway obstruction in severe asthma**  
Sven-Arne Jansson (Umeå, Sweden), Helena Backman, Maria Andersson, Gunilla Telg, Bo Lundbäck, Eva Rönmark

## TP-31 (Hall 4)

## Session 308

12:50 - 14:40

## Thematic Poster: Air pollution

**Chairs :** Lidwien A.M. Smit (Utrecht, Netherlands), Metin Akgün (Erzurum, Turkey), Rafael E. De La Hoz (New York, United States of America), Chair to be confirmed

- PA2635** **Association between air pollution and exacerbations of chronic obstructive pulmonary disease and asthma in adult citizens of Yunlin County in Taiwan**  
Chung-Yu Chen (Douliou, Taiwan), Hung-Chueh Peng, Jin-Yuan Shih, Chong-Jen Yu, Pan-Chyr Yang, Ying-Yin Chen
- PA2636** **Effect of PM2.5 and regulatory thresholds on all-cause mortality among active commuters in two mega-cities.**  
Panayiotis Kouis (NICOSIA, Cyprus), George Yiallourous, Stefania I. Papatheodorou
- PA2637** **The Impact of Southeast Asian Haze on Respiratory Admissions**  
Tidi Hassan (Dublin 8, Ireland), Yasheeny Vadiveel, Yusuriyavarman Kulappan, Pushpa Haridass, Tamyenthini Jeyabalan, Chew Ming Ray
- PA2638** **Measurement of respiratory tract deposition of inhaled particles (0.015-5 µm), lung function and breathing pattern for a group of 67 adults and children**  
Per Wollmer (Malmö, Sweden), Jakob Löndahl, Anders Gudmundsson, Hanna Nicklasson, Erik Swietlicki, Jenny Rissler
- PA2639** **Particulate Matter exposure influences respiratory microbiota structure and functions**  
Jacopo Mariani (Lissone, Italy), Chiara Favero, Luca Del Buono, Valeria Motta, Laura Pergoli, Andrea Cattaneo, Matteo Bonzini, Angela Cecilia Pesatori, Valentina Bollati
- PA2640** **Effects induced in lungs by UFPs from different anthropogenic sources.**  
Francesca Farina (Monza, MI, Italy), Chiara Milani, Luca Massimino, Luca Crippa, Elisa Ballarini, Giulio Sancini, Laura Botto, Elena Lonati, Guido Cavaletti, Alessandra Bulbarelli, Paola Palestini

- PA2641** **Evaluating the utility of urinary metal concentrations as biomarkers of air pollutant exposures.**  
Rosamund Dove (London, United Kingdom), Abigail Whitehouse, Benjamin Barratt, Lisa Miyashita, Jonathan Grigg, Ian Mudway
- PA2642** **Redox-active metals impact the highest oxidative potential values in the urban and roadside locations in London**  
Nuria Camiña (London, United Kingdom), Frank J Kelly, Ian S Mudway
- PA2643** **Laser spectroscopy for in situ elemental imaging of lung tissue: a promising technology**  
Benoit Busser (La Tronche, France), Samuel Moncayo, Mickael Catinon, Lucie Sancey, Françoise Thivolet, Jean Francois Bernaudin, Marianne Kambouchner, Vincent Bonnetterre, Michel Vincent, Vincent Motto Ros
- PA2644** **Short-term effects of air pollution from livestock farms on lung function in patients with COPD**  
Lidwien A.M. Smit (Utrecht, Netherlands), Tomas van Dijk, Marieke Oldenwening, Bernadette Aalders, Lizan D. Bloemsma, Floor Borlée, Dick Heederik
- PA2645** **Oxidative stress, short-term exposure to air pollution, and lung function in children**  
Abigail Whitehouse (London, United Kingdom), Lisa Miyashita, Jonathan Grigg, Ian Mudway, Benjamin Barratt, Rosamund Dove
- PA2646** **Is the future of air pollution monitoring hiding in our pockets?**  
Michele Padovan (LONDON, United Kingdom), Abigail Whitehouse, Jonathan Grigg
- PA2647** **Access to greenspace and asthma symptoms in urban children with persistent asthma**  
Kelli DePriest (Baltimore, United States of America), Arlene Butz, Cassia Land, Mary Beth Bollinger
- PA2648** **Effects of Intrauterine Exposure to Concentrated Ambient Particles on Mice Offspring Sensitized with House Dust Mite**  
Jôse Mára Brito (Sao Paulo/Sp, Brazil), Jôse Brito, Fernanda Magalhães Arantes-Costa, Eliane Tigre Guimarães, Rodolfo de Paula Vieira, Mariangela Macchione, Thaís Mauad
- PA2649** **Air pollution and birth-related characteristics**  
Efthimios Zervas (Patra, Greece), Dimitris Politis, Christina Bampatsou
- PA2650** **Rhinitis and rhinoconjunctivitis among junior high school students in Japan in relation to the home and school environment**  
Motoko Takaoka (Nishinomiya, Japan), Kyoko Suzuki, Dan Norbäck
- PA2651** **Occupational and environmental acute inhalation accidents and respiratory outcomes in a large case control-study**  
Nicola Murgia (Perugia, PG, Italy), Roberta Vesentini, Giuseppe Verlato, Leonardo Antonicelli, Roberto Bono, Pietro Pirina, Simona Villani, Mario Olivieri
- PA2652** **Forecasting the local risk for asthma hospitalizations from georeferenced environmental data – a pilot model**  
Rute Almeida (Porto, Portugal), Hernâni Gonçalves, Cristina Jácome, Ana Sá-Sousa, Alberto Freitas, João Fonseca, Ana Cláudia Teodoro
- PA2653** **Comparison of sampling methods of indoor air particulate matter for in vitro exposure studies**  
Maria-Elisa Nordberg (Kuopio, Finland), Martin Täubel, Kaisa Jalkanen, Anne Hyvärinen, Kati Huttunen
- PA2654** **Assessment of symptoms of dust exposed employees with niosh questionnaire**  
Pinar Yildiz Gülhan (Kırkkale, Turkey), Pinar Yildiz Gülhan, Peri Arbak, Bekir Kaplan, Tuğba Kaplan, Muhammet Gülhan

TP-32 (Hall 4)

Session 309

12:50 - 14:40

**Thematic Poster: Global epidemiologic data on smoking**

Chairs : Athanasia Pataka (Thessaloniki, Greece), Filippos T. Filippidis (London, United Kingdom), Elif Dagli (Istanbul, Turkey), Hiroo Wada (Tokyo, Japan)

- PA2655** **ESDL trainings in Georgia - goals and achievements**  
Tamar Tsikelashvili (Tbilisi, Georgia), Maia Makalatia
- PA2656** **Smoking habits in young federated athletes**  
João Miguel Bettencourt Sena Carvalho (LISBOA, Portugal), João Miguel Bettencourt Sena Carvalho, Pedro Ulisses Cardoso Brito, Magda Sofia Gomes Catarino, Raquel Fernandes Moura, Ana Filipa Lontro Cruz, Lorina Benigna Gomes Pestana, Ana Sofia Alexandre de Oliveira
- PA2657** **The relationship between perceived stress, working conditions and smoking in health personnel**  
Aysel Yildiz (İSTANBUL, Turkey), Nurayet Canbaz, Begum Unlu, Ufuk Yurdalan

- PA2658** **The tabacological profile for ex-smokers. Follow-up at 10 years - partial results**  
Marinela Raileanu (Bucuresti, Romania)
- 
- PA2659** **Investment and export incentives granted to tobacco industry in Turkey**  
Elif Dagli (Istanbul, Turkey), Efza Evrengil, Osman Elbek, Fusun Yildiz, Murat Ceyhan, Tanzer Gezer, Murat Güner
- 
- PA2660** **Sustaining tobacco control success: a challenge for Turkey**  
Osman Elbek (Istanbul, Turkey), Efza Evrengil, Elif Dagli, Fusun Yildiz, Murat Güner, Tanzer Gezer
- 
- PA2661** **Dynamics of the intensity of Smoking among the residents of the Yamalo-Nenets Autonomous Okrug**  
Irina Gagarinova (Nadym, Russian Federation), Andrei Popov, Sergei Andronov, Andrei Lobanov
- 
- PA2662** **3 years of Tobacco Control Policy implementation in Russian Federation**  
Marine Gambaryan (Moscow, Russian Federation)
- 
- PA2664** **Smoking and use of other tobacco products in Kyrgyzstan medical students: an 11-year follow-up**  
Aigerima Aralbaeva (Bishkek, Kyrgyzstan), Zchamilya Zchilkiadarova, Denis Vinnikov, Nurlan Brimkulov
- 
- PA2665** **Low mid-expiratory airflow on spirometry is an early indicator of impaired lung function in asymptomatic adult smokers: A case control study at a tertiary care hospital, Karachi**  
Maryam Gohar Ali (Hyderabad, Sindh, Pakistan), Muhammad Irfan
- 
- PA2666** **The attitudes of healthy people about smoking and their knowledge about smoking cessation**  
Aysel Yildiz (ISTANBUL, Turkey), Begum Unlu, Ufuk Yurdalan
- 
- PA2667** **Evaluation of school teachers' sociodemographic characteristics and quality of life according to their cigarette smoking status: a cross-sectional study from eastern Black Sea region of Turkey**  
Dilek Karadoğan (Artvin, Turkey), Özgür Önal, Deniz Saygıncı, Sonur Yazıcı, Yalçın Kanbay
- 
- PA2668** **Preferences and experiences of smokers attending Australian general practices**  
Jenifer Liang (Doncaster East, Australia), Michael Abramson, Nicholas Zwar, Grant Russell, Anne Holland, Billie Bonevski, Ajay Mahal, Kirsten Phillips, Paula Eustace, Kate Petrie, Sally Wilson, Johnson George
- 
- PA2669** **The Impact of Tobacco-Related Advertisement on Teenagers' Smoking Behaviour in Surakarta, Indonesia**  
Dewi Nurul Makhabah (Yogyakarta, Indonesia), Yanny Octavia Sally Ride, Farih Raharjo, Yusup Subagio Sutanto, Suradi Suradi
- 
- PA2670** **Control of tobacco smoking in a hospital setting in Rome after a new decree law**  
Gregorino Paone (ROMA, RM, Italy), Rosa Stella Principe, Salvatore Damante
- 
- PA2671** **Survey on Pulmonologist Smoking Cessation Centers in Italy**  
Paola Martucci (NAPOLI, NA, Italy), Cristina Cinti, Sandra Nutini, Rosastella Principe, Antonella Serafini
- 
- PA2672** **Evaluation of concurrent use of Tobacco products (Water Pipe and Cigarettes) and Associated Factors in Adults in Tehran**  
Zahra Hessami (Tehran, Islamic Republic of Iran), Mohammad Reza Masjedi, Mahshid Aryanpur, Afshin Hessami, Sogol Sobhani
- 
- PA2673** **Shadow report on violation of tobacco display and advertisement bans at points of sale 2016**  
Osman Elbek (Istanbul, Turkey), Murat Guner, Ummuhan Pece Sonmez, Elif Dagli, Tanzer Gezer, Fusun Yildiz
- 
- PA2674** **Assessment of Compliance to Framework Convention on Tobacco Control in Turkey**  
Osman Elbek (Istanbul, Turkey), Efza Evrengil, Fusun Yildiz, Murat Ceyhan, Tanzer Gezer, Murat Güner, Elif Dagli

## TP-33 (Hall 4)

## Session 310

12:50 - 14:40

## Thematic Poster: Migrants and screening

**Chairs :** Dumitru Chesov (Chisinau, Republic of Moldova), Senia Rosales-Klitz (Solna, Sweden), Raquel Almeida Ferreira Duarte Bessa Melo (Porto, Portugal)

- PA2675** **Immigrants' access to health care: problems identified in a high-risk tuberculosis population**  
Rita Linhas (Porto, Portugal), Olena Oliveira, Paula Meireles, João Lourenço, Mafalda Melo, FÁBio Ferreira, Rita Gaio, Raquel Duarte
- 
- PA2676** **Tuberculosis in Moldovan labour migrants**  
Lesnic Evelina (Chisinau, Republic of Moldova), Adriana Niguleanu, Artiom Jucov

- PA2677 Active tuberculosis cases in migrants in Newham: should we extend screening criteria for latent tuberculosis infection**  
George Ransley (London, United Kingdom), Matthew Burman, Nivenka Jayasekera, Susan Dart, Devan Vaghela, Heinke Kunst, Jessica Potter
- PA2678 Impact of systematic screening on the burden of tuberculosis in Azerbaijan prisons**  
Elmira Gurbanova (BAKU, Azerbaijan), Rafail Mehdiyev, Kai Blondal, Alan Altraja
- PA2679 Treatment of DR-TB in penitential system of Georgia with new TB-medications.**  
Nana Kiria (Tbilisi, Georgia), Zaza Avaliani, Lali Mikiashvili, Eka Archvadze
- PA2680 Incidence of latent tuberculosis infection(LTBI) among high risk healthcare workers at a tertiary referral hospital in South Korea.**  
Hyung Woo Kim (Seoul, Republic of Korea), Jick Hwan Ha, Ah Young Shin, Joong Hyun Ahn, Ju Sang Kim
- PA2681 Opportunistic screening for Tuberculosis in homeless patients**  
Anindo Banerjee (Eastleigh, United Kingdom), Campbell Pamela, Nwoguh Francisca, Fudge Deborah, Brown Rachel, Elkington Paul, Marshall Ben
- PA2682 Efficacy of isoniazid preventive therapy for latent tuberculosis infection in patients with immune-mediated inflammatory disorders-a retrospective cohort study in Taiwan**  
Wei-Juin Su (Taipei, Taiwan), Shiang-Fen Huang, Ming-Han Chen
- PA2684 Tuberculosis in patients on TNF inhibitor treatment in Latvia.**  
Anda Nodieva (Stopinu nov., Latvia), Sophie Kindermann, Ingrida Sture, Anita Skangale, Anita Jagmane, Nailja Lukmanova, Gunta Kirvelaite, Zinta Berzina, Lilita Dinka, Ruta Pastare, Vita Kalnina, Vija Rendiece, Iveta Ozere, Vija Riekstina, Margarita Baumanne
- PA2685 Impact of enhanced case finding on case notification rate in pulmonary tuberculosis**  
Ashish Kumar Prakash (GURGAON (HARYANA), India), Bornali Datta, David Ford, Praveen Tanwar, Pinky Goyal
- PA2687 Contact tracing in pulmonary versus non-pulmonary tuberculosis- the impact of the 2016 NICE guidelines?**  
Christopher Craig (Manchester, United Kingdom), Nicola Scott, Rizwan Ahmed
- PA2688 Review of Tuberculosis outbreak in a Boarding School in Bolton, United Kingdom**  
Rizwan Ahmed (Bolton, United Kingdom), Ian Freeman, Sameira Sohail
- PA2689 Are TB services in England adhering to new NICE guidelines on screening for latent TB?**  
Christopher Craig (Manchester, United Kingdom), Ruth Cade, Rizwan Ahmed
- PA2690 Diaskintest at patients after successful treatment of lung tuberculosis**  
Goar Balasaniantc (Leningrad Oblast, Russian Federation), Nataly Skotnikova
- PA2691 Combinatorial ELISPOT and T-cell immunoprofiling with CD25+/CD134+ co-expression in latent TB infection**  
Patricio Escalante (Rochester, United States of America), Tobias Peikert, Jeremy Clain, Virginia Van Keulen, Courtney Erskine, Adam Schrum, Andrew Limper
- PA2692 Modulation of QuantiFERON-TB-Gold Plus response in patients with active tuberculosis and latent infection during treatment**  
Elisa Petruccioli (Roma, Rm, Italy), Teresa Chiacchio, Valentina Vanini, Gilda Cuzzi, Daniela M Cirillo, Fabrizio Palmieri, Giuseppe Ippolito, Delia Goletti

TP-34 (Hall 4)

Session 311

12:50 - 14:40

**Thematic Poster: TB: diagnosis, severity and practical management**

Chairs : Keertan Dheda (Cape Town, South Africa), Eva Van Braeckel (Ghent, Belgium), Tuula Vasankari (Kaarina, Finland), Elmira Ibraim (Bucuresti, Romania)

- PA2693 Role of AFB stain, Mycobacterium tuberculosisM.TB) culture and TB-PCR in EBUS-TBNA samples for diagnosing TB in an endemic country**  
Kamal Kumar Gera (FARIDABAD (HARYANA), India), Nevin Kishore, Umang C Shah, Nitin Dayal, Kanika Singh
- PA2694 The role of bronchoscopy and nucleic acid amplification test in pulmonary tuberculosis diagnosis**  
Maria Alvarenga Santos (LISBOA, Portugal), Joana Branco, Margarida Aguiar, Susana Clemente, Vera Martins, Raquel Tavares, Ana Rita Silva, Paulo Rodrigues, Sofia Furtado
- PA2695 Retrospective Cohort Study over a period of 5 years of Spinal Tuberculosis at a large London Tertiary Centre.**  
Devan Vaghela (london, United Kingdom), Yunshu Ma, Matthew Burman, Jessica Potter, Veronica White, Claire Barraclough, Heinke Kunst, Nivenka Jayasekera, Simon Tiberi



- PA2696 Spondylodiscitis complicating chest Tuberculosis.**  
Henda NEJI (Ariana, Tunisia), Ines Kasraoui, Monia Attia , Mariem Affes, Soumaya Ben Saad, Ines Baccouche, Saoussen Hantous-Zannad, Khaoula Ben Miled-M'rad
- PA2697 Prevalence of pulmonary tuberculosis in spinal tuberculosis patients**  
Mohammad Abdulrazaq (Bagdad, Iraq), Faiq Gorial, Hayder Fawzi, Ali Hassan
- PA2698 Pleural tuberculosis: diagnostic methods in a General Hospital.**  
Hugo Karlen (La Plata-Buenos Aires, Argentina), Marcela Heres, Marco Solís, Agustín García, Marcos Hernández, Juan Zaracho, Silvia Quadrelli, Eduardo Medinacelli
- PA2699 Sensitivity and specificity of Genotype MTBDRplus line probe assay in rapid diagnosis of tuberculous pleural effusion**  
Irfan Muhammad (Karachi, Pakistan), Kauser Jabeen, Sehrish Butt, Ali Bin Sarwar Zubairi, Safia Awan, Rumina Hasan
- PA2700 Nitric oxide - a marker of tuberculosis process activity**  
Viacheslav Zhuravlev (St Petersburg, Russian Federation), Marina Dyakova, Nina Alexeyeva, Diljara Esmedlyaeva, Tatiana Perova
- PA2701 Tb or not Tb; that is the paradoxical reaction.**  
Devan Vaghela (London, United Kingdom), Aqsa Haq, Amudeep Sandhu, Thomas Swaine, Matthew Burman, Heinke Kunst, Jonathan Lambourne, Mathina Darmalingham, Simon Tiberi, Jessica Potter
- PA2702 Compliance - is patient adherence to treatment, as well as partnerships between doctor and patient**  
Sanjar Sultanov, Natalya Khomova, Fatima Tashpulatova
- PA2703 Tuberculosis: Liaison between Hospitals and Ambulatory TB Centres**  
Telma Chantal Almeida Sequeira (Carnaxide, Portugal), Miguel Villar
- PA2704 Study of drug resistance profile in Multidrug resistant tuberculosis (MDR TB) patients attending a tertiary care hospital at Mumbai.**  
Pratibha Singhal (Mumbai (Maharashtra), India), Vivek Toshniwal, Swapnil Kulkarni, Kapil Iyer
- PA2705 Tolerance and side effects of second line anti tubercular drugs**  
Soumaya Agrebi (Bizerte, Tunisia), Soumaya Ben Saad, Chaima Habouria, Hafaoua Daghfous, Fatma Tritar
- PA2706 Efficiency of Bedaquiline in treatment of XDR-TB**  
Ekaterina Beliaeva (ST PETERSBURG, Russian Federation), Anna Starshinova, Tatiana Potepun, Tatiana Suprun, Tatiana Savina
- PA2707 Experience of Bedaquiline use in treatment of XDR-TB patients**  
Irina Chernokhaeva (ST PETERSBURG, Russian Federation), Maria Pavlova, Elena Ershova, Anna Starshinova, Evgenia Istomina, Ekaterina Belyaeva, Nadezhda Sapozhikova, Piotr Yablonskiy
- PA2708 Study of sputum conversion in drug resistant tuberculosis patients attending a tertiary care centre in navi mumbai**  
Aleena Mariam Mathew (Nerul (Maharashtra), India), Girija Nair, Abhay Uppe, Jayamol Raveendran, Shahid Patel
- PA2709 The efficacy and safety of adjunctive corticosteroids in the treatment of tuberculous pleurisy: A systematic review and meta-analysis**  
Shuanshuan Xie (Shanghai, China), Changhui Wang, Ming Li
- PA2710 Whether embolization of bronchial arteries improves results of treatment of complicated MDR/XDR TB cavitary forms?**  
Anna Maltseva (Ekaterinburg, Sverdlovsk Oblast, Russian Federation), Igor Kochmashev, Elena Kildyusheva , Glafira Zaletaeva , Sergey Skorniyakov
- PA2711 Title: Smear Negative Pulmonary Tuberculosis: Clinico-radiological profile and diagnostic role of bronchoscopy with BAL studies in Indian population**  
Kanishk Sinha (Patna (Bihar), India), Jayamol Revendran, Girija Nair, Abhay Uppe, Vipul Sengal, Sanket Jain

TP-35 (Hall 4)

Session 312

12:50 - 14:40

Thematic Poster: TB: co-morbidities and outcome

Chairs : Heather Milburn (London, United Kingdom), Manfred Danilovitš (Tartu, Estonia), Santino Capocci (London, United Kingdom)

- PA2712 Prevalence and factors associated with the Tuberculosis (TB) and Diabetes (DM) co-occurrence: a cross sectional study from Sri Lanka**  
Amila Rathnapala (Minuwangoda, Sri Lanka), D Rodrigo, D Punyadasa, W V Senaratne

- PA2713** **Influence of thyroid state on clinical running of tuberculosis and chemotherapy outcomes in concomitant diabetes**  
Svitlana Matveyeva (Kharkiv, Ukraine), Olga Shevchenko, Olga Pogorelova
- PA2714** **Influence of thyroid function activity on the index of immunity in tuberculosis patients**  
Svitlana Matveyeva (Kharkiv, Ukraine), Olga Shevchenko, Olga Pogorelova
- PA2715** **The association of body mass index with incidence of tuberculosis in Korea**  
Soo Jung Kim (Seoul, Republic of Korea), Shinhee Ye, Ye ji Han, Eunhee Ha, Eun Mi Chun
- PA2716** **Interstitial lung diseases misdiagnosed as tuberculosis.**  
Nousheen Akhter (Karachi, Pakistan), Nadeem Rizvi
- PA2717** **Bacteriological etiology of pneumonia in patients with tuberculous destroyed lung**  
Chi Young Jung (Daegu, Republic of Korea), Hyun Jung Kim
- PA2718** **Non Invasive Ventilation in Acute Respiratory Failure in Patients of Post Tubercular Bronchiectasis: Effectiveness and Predictors of Failure.**  
Kumar Utsav (Varanasi, India), Jai Kumar Samaria
- PA2719** **Asthma as a sequelae to pulmonary tuberculosis**  
Pratibha Singhal (Mumbai (Maharashtra), India), vivek toshniwal, sravan macherla
- PA2720** **Factors associated with sputum culture conversion in patients with pulmonary tuberculosis**  
Greta Musteikiene (Kaunas, Lithuania), Skaidrius Miliauskas, Marius Žemaitis, Raimundas Sakalauskas
- PA2721** **The peculiarities of etiological verification of pulmonary TB in patients with chronic renal disease in the terminal stage before and after kidney transplantation**  
Olga Gordeeva (Moscow, Russian Federation), Natalia Karpina
- PA2722** **Diagnoses of genito-urinary tuberculosis with CT-imaging in HIV-positive patients**  
Radmir Chotchaev, Oleg Zuban, Irina Sokolina, Elena Bogorodskaya, Michael Sinitsyn
- PA2723** **Impact of HIV status, CD4 count and antiretroviral treatment on tuberculosis treatment outcomes in a low-burden country**  
Vera Clerigo (LISBOA, Portugal), Ana Castro, Teresa Mourato, Conceição Gomes
- PA2724** **Pulmonary tuberculosis among elderly and senile-aged patients depending on Mycobacterium strains**  
Olha Konstantynovska (Kharkiv, Ukraine), Petro Poteiko, Tetiana Synenko, Iryna Kuznietsova, Anton Rohozhyn, Oleksii Solodiankin, Oleksandr Liashenko
- PA2725** **Anxiety and depression in patients of pulmonary tuberculosis with and without endobronchial tuberculosis**  
Gang Hou (Shenyang, Liaoning, China), Xiao-bo Wang, Xue-lian Li, Qing Zhang, Juan Zhang, Wei-yuan Xu, Qiu-yue Wang, Jian Kang
- PA2726** **Deciphering tuberculosis by virtue of women's panorama**  
Surya Kant (Lucknow (Uttar Pradesh), India), Kanchan Srivastava, Ajay K. Verma, Anand srivastava
- PA2727** **Socioeconomic Conditions Contributing to Multi Drug Resistant (MDR) and Extremely Drug Resistant(XDR) Tuberculosis**  
Padmaraj Suresh Ankale (Mumbai (Maharashtra), India), Girija Nair, Abhay Uppe, Aleena Mathew, Ria shah
- PA2728** **Factors affecting outcomes of individualised treatment for drug resistant tuberculosis in an endemic region>**  
Prashant Nemichand Chhajed (Mumbai (Maharashtra), India), Avinandan Saha, Preyas J Vaidya, Vinod B Chavhan, Kamlesh V Pandey, Arvind H Kate, Joerg D Leuppi, Michael Tamm
- PA2729** **Drug resistant tuberculosis at a drug resistant tuberculosis centre, India- Analysis of outcome**  
Manoj Waghmare (MUMBAI (MAHARASHTRA), India), Ketaki Utpat, Unnati Desai, Jyotsna Joshi
- PA2730** **Treatment outcome of multi-drug resistant tuberculosis in the Republic of Moldova**  
Valentina Vilc (Chisinau, Republic of Moldova), Stela Bivol, Viorel Soltan, Rita Seicas
- PA2731** **Risk factors for fatal tuberculosis among immunocompetent patients.**  
Islam Mejri Ep Ajili (Hammamlif Ben Arous, Tunisia), Soumaya Ben Saad, Lamine Megdiche, Hafaoua Daghfous, Fatma Tritar

TP-36 (Hall 4)

Session 313

12:50 - 14:40

Thematic Poster: Microbiology and laboratory techniques to monitor NTM infections

Chairs : Valeriu Crudu (Chisinau, Republic of Moldova), Claire Andrejak (Amiens, France), Daniela Maria Cirillo (Milano, MI, Italy)

- PA2732 Late Breaking Abstract - Contribution of P2X7 1513A/C loss-of-function polymorphism and tuberculosis susceptibility in Egyptian population**  
Hanaa Shafiek (Alexandria, Egypt), Ahmed Shabana, Ayman El-Seedy, Yehia Khalil
- 
- PA2733 5-year survival of patients with nontuberculous mycobacteria pulmonary disease (NTM-PD)–data from Croatian national registry**  
Mateja Jankovic Makek (Zagreb, Croatia), Ivan Sabol, Ljiljana Zmak, Ana-Marija Sola, Ljiljana Bulat-Kardum, Sanja Popovic Grle, Brigita Ticac, Marko Jakopovic, Andrea Vukic Dugac, Ana Hecimovic, Fedja Dzibur, Vesna Carevic-Vladic, Miroslav Samarzija, Drazen Strelec
- 
- PA2734 Profile of non-tuberculous mycobacteria patients in Lisbon**  
Maria Francisca Teixeira Lopes (LISBOA, Portugal), Sara Alfarroba, Ana Dinis, Maria Da Conceição Gomes, António Tavares
- 
- PA2735 Apoptosis plays a protective role against Mycobacterium avium infection in mice**  
Masaki Fujita (Fukuoka, Japan), Takemasa Matsumoto, Satoshi Ikegame, Rintaro On, Kentaro Watanabe
- 
- PA2736 Characteristics and outcomes of 197 patients newly diagnosed with pulmonary mycobacterium avium complex disease**  
Eri Hagiwara (Yokohama, Japan), Takuma Katano, Erina Tabata, Ryota Shintani, Shinko Sadoyama, Satoshi Ikeda, Hideaki Yamakawa, Tshuneyuki Oda, Ryo Okuda, Akimasa Sekine, Hideya Kitamura, Tomohisa Baba, Shigeru Komatsu, Takashi Ogura
- 
- PA2737 Mycobacterium xenopi pulmonary disease in Croatia**  
Mateja Jankovic Makek (Zagreb, Croatia), Ivan Sabol, Ljiljana Zmak, Marko Jakopovic, Ana-Marija Sola, Sanja Popovic-Grle, Ljiljana Bulat-Kardum, Brigita Ticac, Andrea Vukic Dugac, Ana Hecimovic, Fedja Dzibur, Miroslav Samarzija, Vesna Carevic-Vladic, Daniel Sekula
- 
- PA2738 Genotyping of human Mycobacterium kansasii isolates from Poland.**  
Ma gorzata Proboszcz (Warszawa, Poland), Zofia Baku a, Magda Modrzejewska, Aleksandra Safianowska, Justyna Ko ciuch, Rafa Krenke, Tomasz Jagielski
- 
- PA2739 A cross sectional study of drug resistant tuberculosis in previously treated cases.**  
Anshu Gul Punjabi (MUMBAI (MAHARASHTRA), India), Rakesh Waghmare, Rahul Lokhande, Tilak Dhamgaye, Vishwanath Pujari, Pavankumar Biraris
- 
- PA2740 Diagnosing Pulmonary Tuberculosis by Pooling Induced Sputum**  
Mei Ying Chew (Singapore, Singapore), Jeffrey Ng, Teck Guan Lim, Tow Keang Lim
- 
- PA2741 Sensitivity of Xpert MTB/RIF in induced sputum in smear negative pulmonary tuberculosis patients?**  
Nisar Ahmed Rao (Karachi, Pakistan)
- 
- PA2743 Comparison studies of GENEXPERT versus MGIT culture of Bronchial Lavage in sputum smear negative suspected Pulmonary Tuberculosis**  
Ria Shah (Mumbai (Maharashtra), India), Abhay Uppe, Girija Nair, Aarti Sharma, Shahid Patel, Jayamol Ravindran
- 
- PA2744 The cycle of threshold value of cartridge based nucleic acid amplification test and its correlation with time to positivity in AFB culture**  
Ashish Kumar Prakash (GURGAON (HARYANA), India), Bornali Datta, Anand Jaiswal, Pinky Goyal, Poulomi Chatterji, Sandeep mittal
- 
- PA2745 LINE PROBE ASSAY – BEST MODALITY FOR EARLY DIAGNOSIS OF MULTIDRUG RESISTANT TUBERCULOSIS**  
Poulomi Chatterjee (GURGAON (HARYANA), India), Bornali Datta, Abhishek Aggarwal, Ashish Prakash, Pinky Goyal, Anand Jaiswal
- 
- PA2746 Pharmacoeconomic aspects of drug susceptibility testing of M. tuberculosis using automated liquid culture systems and solid media**  
Anastasia Samoilova (Moscow, Russian Federation), Alla Rudakova, Irina Vasilyeva, Vadim Testov, Anna Panova
- 
- PA2747 Clinical utility of pleural fluid interferon-gamma release assay in tuberculous pleurisy diagnosis**  
Tetsuro Ohdaira (Niigata-shi, Japan), Takashi Shimizu, Katsuhiko Kuwabara, Junko Baba, Naho Matsuyama, Naoya Matsumoto, Hiroshi Moriyama, Hiromi Miyao, Takahisa Koizumi, Takehiro Watanabe
- 
- PA2748 Assessment of specific immunoglobulins in patients with lung tuberculosis**  
Evgenia Istomina (Leningrad region, Russian Federation), Anna Starshinova, Irina Chernokhaeva, Michail Nazarenko, Sergey Landa, Michail Filatov, Piotr Yablonskiy

**PA2749 Mycobacterium tuberculosis Cording in Alveolar Macrophages of Tuberculosis Patients and Mycobacterial Virulence**  
Elena Ufimtseva (Novosibirsk, Russian Federation), Natalya Eremeeva, Marionella Kravchenko, Diana Vakhrusheva, Sergey Skornyakov

**PA2750 Alveolar Macrophages Produced from Resected Lungs of Patients with Pulmonary Tuberculosis**  
Elena Ufimtseva (Novosibirsk, Russian Federation), Natalya Eremeeva, Marionella Kravchenko, Diana Vakhrusheva, Sergey Skornyakov

TP-37 (Hall 4)

Session 314

12:50 - 14:40

**Thematic Poster: Paediatric TB: MDRTB (II)**

**Chairs :** Folke Brinkmann (Hannover, Germany), Cécile Magis-Escurra (Nijmegen, Netherlands), Svetlana Velizarova (Sofia, Bulgaria), Tatiana Sprynsian (Kyiv, Ukraine)

**PA2751 Delayed diagnosis and management of tuberculosis in children**  
Besma Hamdi (Manouba oued ellil, Tunisia), Besma Hamdi, Baraa Bdira, Alaa Akaad, Jammel Ammar, Anissa Berraies, Agnes Hamzaoui

**PA2752 Features of immunological parameters in children with generalized tuberculosis.**  
Anna Starshinova (St Petersburg, Russian Federation), Irina Dovgaluk, Ulia Ovchinnikova, Valentina Vatutina, Olga Yakunova, Peter Yablonskiy

**PA2753 Childhood tuberculosis in Iasi County, Romania: 15 years review**  
Adriana Sorete Arbore (Iasi, Romania), Violeta Cojocariu

**PA2754 Signs of tuberculous lesions of the sternum and the ribs in children, detected by CT**  
Pavel Gavrilov (St Petersburg, Russian Federation), Valera Gilyova, Ivan Baulin, Nina Sovetova, Alexandre Mushkin

**PA2755 Severe thoracic tuberculous spondylitis (Pott's disease) in a 4-year old child treated with antitubercular treatment and surgical decompression, pedicle screw instrumentation and vertebral body reconstruction - a case report**  
Nataliya Gabrovska (Sofia, Bulgaria), Kaloyan Gabrovski, Krasimir Minkin, Svetlana Velizarova, Petko Minchev

**PA2756 Clinical profile of drug resistant tuberculosis in Pediatric Population, India.**  
Swathi Karanth M. P. (Shimoga (Karnataka), India), Unnati Desai, Jyotsna M Joshi

**PA2757 The utility of EBUS-TBNA in the investigation of suspected mediastinal and hilar tuberculosis in children**  
Haider Al-Najjar (Manchester, United Kingdom), Simon Bailey, Mark Woodhead, Durgesh Rana, Nadira Narine, Fran Child, Omendra Narayan, David Shelton

**PA2758 Efficacy and safety of isoniazid in syrup form for IPT in children**  
Tatiana Sprynsian (Kyiv, Ukraine), Oleksii Denysov, Lilia Todoriko, Inga Ieremenchuk, Igor Semianiv

**PA2759 Prevalence of dyspnoea in patients with treated pulmonary tuberculosis**  
Mikhail Chushkin (Moscow, Russian Federation), Lydia Popova, Oleg Ots, Petr Struchkov, Olga Nenasheva

**PA2760 Estimation of susceptibility hospital strains of Mycobacterium tuberculosis (Mtb) Beijing to disinfectants**  
Natalya Eremeeva (Ekaterinburg, Sverdlovsk Oblast, Russian Federation), Diana Vakhrusheva, Tatyana Umpeleva, Vladimir Kanichev, Kseniya Belousova, Leonid Lavrechuk

**PA2761 The efficacy, safety and tolerability of the short 12-month pre-XDR-TB regimen regimen in Ukraine at the expense of using intravenous administration of anti-tuberculosis drugs during intensive phase**  
Nataliia Lytvynenko (Kyiv, Ukraine), Mycola Gumenuk, Hanna Varytrska, Oksana Chobotar, Nataliia Grankina

**PA2762 Effectiveness of treatment and correction of side effects in pulmonary MDR/XDR TB patients with concomitant liver injury**  
Eduard Vaniev (Moscow, Russian Federation), Irina Vasilyeva, Atadzhan Ergeshov

**PA2764 Prevalence of Pre-XDR-TB, XDR-TB among MDR-TB patients registered at PMDT site Nishtar Hospital Multan Pakistan**  
Muhammad Atiq Ul Mannan (MULTAN, Pakistan), Azam Mushtaq, Sarmad Naqvi

**PA2765 Clinical management improves the treatment outcome of MDR-TB patients**  
Ling Chen (Sydney, NSW, Australia), Quanxian Liu, Yuqin Li, Jianyong Zhang, Hong Zhang

**PA2766 Use of Anabolic steroids in malnourished pulmonary tuberculosis patients.**  
Dimple Chawla (karachi, Pakistan), Kamran Khan, Nadeem Rizvi

TP-38 (Hall 4)

Session 315

12:50 - 14:40

## Thematic Poster: Medical education, web and internet

**Chairs :** Monica Fletcher (Cuckfield, United Kingdom), Emer Kelly (Dublin 4, Ireland), Stylianos Loukides (Voula, Greece), Romain Kessler (Strasbourg, France)

- PA2767** **Assessment of senior medical students' knowledge in treatment of patients with community-acquired pneumonia (KNOCAP project)**  
Kateryna Gashynova (Dnipropetrovsk, Ukraine), Roman Bontsevich, Kristina Shchurovskaya, Mikhail Pokrovsky, Tatyana Pokrovskaia
- 
- PA2768** **Assessment of senior medical students in the field of COPD (ASCO project). Update 2016**  
Kateryna Gashynova (Dnipropetrovsk, Ukraine), Roman Bontsevich, Kristina Schurovskaya, Tatyana Pokrovskaia, Natalya Goncharova, Galina Batisheva, Valeriya Barysheva, Galina Ketova, Asya Ponomareva, Elena Luchinina
- 
- PA2769** **Spirometry quality in medical students: results from the lung development study of the University of Granada**  
Bernardino Alcazar Navarrete (Cájar, Spain), Jesus J Maldonado Ostios, Pedro J Romero Palacios, Cristina Valenzuela Sanchez, Elvira Ruiz Castellano
- 
- PA2770** **Problem-based learning as a tool in postgraduate medical education**  
Amir Hakim (London, United Kingdom), Rachel Gibson, Lina Johansson
- 
- PA2771** **Attitudes of medical students towards the influenza vaccination**  
Grigory Pankin (London, United Kingdom), Clementina Calabria, Nicholas Jackson, Irem Patel, Amit Patel
- 
- PA2772** **Hang Doctor: A Smartphone App to Learn and Improve Knowledge of TNM Classification in Non-Small Cell Lung Cancer (NSCLC).**  
Markus Glatzer (St. Gallen, Switzerland), Paul Martin Putora, Dirk De Ruyscher, Philippe Lambin, Adriana Berlanga
- 
- PA2773** **TB knowledge among nonTB physicians**  
Goar Balasaniantc (Leningrad Oblast, Russian Federation), Vasilisa Zarifova, Karen Akmaev
- 
- PA2774** **The assessment of informational sources credibility in catarrhal diseases treatment**  
Kateryna Gashynova (Dnipropetrovsk, Ukraine), Roman Bontsevich, Alesya Lysenko, Kristina Shchurovskaya, Tatyana Pokrovskaia, Larisa Goryainova
- 
- PA2775** **Evaluation of the use of e-learning in training management of asthma and COPD in general medicine.**  
Djehri Yacine (Constantine, Algeria), Taright Samya, Amine Meridj, Khaled Tlili, Belala Redouane
- 
- PA2776** **Exacerbation in COPD: a web platform to evaluate, in real-life, COPD management in the Apulia Region (Italy)**  
Antonio Giuseppe Palmiotti (foggia, Italy), Donato Lacedonia, Maria Pia Foschino Barbaro, Onofrio Resta, Vito Liotino, Francesco Satriano, Pietro Schino, Pier Luigi Di Napoli, Eugenio Sabato, Ettore Attolini, Milena Ruccia, Elio Costantino
- 
- PA2777** **Physician training for Obstructive Airways Disease (OAD) in India- What knowledge do physicians lack the most and what is the impact of a 1-day Refresher Course?**  
Monica Barne (Pune (Maharashtra), India), Priyanka Thakare, Sundeep Salvi, Sapana Madas, Sushma Jadhav, Noopur Hedawoo
- 
- PA2778** **Enabling asthma management and outcomes monitoring through standardized EMR data and eTools**  
Ann Taite (Kingston, ON, Canada), Delanya Podgers, Jennifer Olajos-Clow, Moyses Patricia, Jessica Schooley, Andrew Day, M. Diane Loughheed
- 
- PA2779** **Narrative medicine to evaluate the relationship between clinicians and patients living with severe asthma**  
Antonietta Cappuccio (Milano, Italy), Maura Latella, Girolamo Pelaia, Francesco Menzella, Guido Pellegrini, Maria Giulia Marini
- 
- PA2780** **Assessment of knowledge gap among primary care physicians over diagnosis of chronic airways diseases in India**  
sourabh sinha (GURGAON (HARYANA), India), Shilpa Jain, Priyanka Gupta, Sandeep Bhalla, Ambrish Mishra, Shruti Nair, Monica Barne, B V Murlimohan, Sundeep Salvi, D Prabhakaran
- 
- PA2781** **Monitoring adherence to treatment regimen of inhaled medication use in a clinical trial with an investigational eFlow nebulizer (eTrack)**  
David Fiebig (Starnberg, Germany), Carola Fuchs, Matthias Brosig, Matthias Finke, Pravin Soni, Ahmet Tutuncu, Rod Saponjic, Martin Knoch
- 
- PA2782** **Obstructive Sleep Apnea and use of the continuous positive airway pressure device (CPAP): patients' expectations.**  
Christine Rolland (Boulogne Billancourt, France), Odile Sauvaget, Marc Sapene
- 
- PA2783** **Are there any psychological impacts in patients after spontaneous pneumothorax?**  
Hela Cherif (Tunis, Tunisia), Jihene Ben Amar, Besma Dhahri, Haifa Zaibi, Salwa Azzabi, Med Ali Baccar, Hichem Aouina

**PA2784** **Assessment of asthma attack risk using an online risk checker**  
Erika Kennington (London, United Kingdom), Catherine Broadbent, Samantha Walker

**PA2785** **Respipedia: The ERS wiki on respiratory medicine**  
Ali Merzouk (Geneva, Switzerland), Frans de Jongh

**TP-39 (Hall 4) Session 316 12:50 - 14:40**

**Thematic Poster: Does economisation of medicine transfer into benefits for patients?**

**Chairs :** Christopher Michael Roberts (Leytonstone, United Kingdom), Matthias Urban (WIEN, Austria), Jose Luis Lopez-Campos Bodineau (Sevilla, Spain), Daniel Doberer (Wien, Austria)

**PA2786** **Late Breaking Abstract - Financial burden of ILD – a claims data based study**  
Larissa Schwarzkopf (Neuherberg, Germany), Sabine Witt, Boglarka Szentes, Julia Waelscher, Markus Pohlke, Michael Kreuter

**PA2787** **The cost burden of COPD in France: A retrospective analysis of an administrative primary care database**  
Wilhelmine Meeraus (Uxbridge, United Kingdom), Rafal Jakubanis, Robert Wood, Tim Holbrook, Yogesh Punekar, Afisi Ismaila, Johanna Despres, Geoffray Bizouard, Sarah Landis

**PA2788** **Cost impact of time to initiation of triple therapy in COPD patients in Japan: A retrospective analysis of healthcare claims data**  
Afisi Ismaila (Cary, United States of America), Rafal Jakubanis, Tim Holbrook, Yogesh Punekar, Robert Wood, Wilhelmine Meeraus

**PA2789** **Cost-effectiveness of umeclidinium bromide 62.5µg or alternative LAMA plus ICS/LABA in COPD**  
Maurice Driessen (Brentford, United Kingdom), Nancy Risebrough, Andrew Briggs, Afisi Ismaila, Dhvani Shah, Ian Naya, Timothy M Baker

**PA2790** **Cost effectiveness of umeclidinium bromide 62.5 g plus ICS/LABA versus ICS/LABA in COPD**  
Maurice Driessen (Brentford, United Kingdom), Nancy Risebrough, Andrew Briggs, Afisi Ismaila, Dhvani Shah, Ian Naya, Timothy M Baker

**PA2791** **Single inhaler triple therapy in patients with advanced COPD: healthcare resource utilisation and cost data from the FULFIL study**  
Afisi Ismaila (Cary, United States of America), Helen Barnacle, Ruby Birk, Noushin Brealey, Nancy Risebrough, Dhvani Shah, Maggie Tabberer, Shiyuan Zhang, Chang-Qing Zhu, David Lipson

**PA2792** **Cost-effectiveness of fixed-dose combinations therapies for COPD in Spain**  
Lindner leandro (, Spain), Margarita Capel, Maria Mareque, Carlos Jose Alvarez, Itziar Oyaguez

**PA2793** **Cost-effectiveness of tiotropium versus glycopyrronium in moderate to very severe COPD in France**  
Laura Luciani (Paris, France), Oskar Eklund, Fredrik Borgström, Maria Lindh, Caroline Laurendeau, Bruno Detournay

**PA2794** **Cost-effectiveness analysis of afatinib vs gefitinib in EGFR-Mutated population with advanced non-small-cell lung cancer**  
Laura Luciani (Paris, France), Christos Chouaid, Gerard De Pouvourville

**PA2795** **Cost-effectiveness of afatinib versus erlotinib for the treatment of squamous non-small cell lung cancer in france after a first-line platinum based therapy**  
Laura Luciani (Paris, France), Maud Pignata, Ceilidh McConnachie, Christos Chouaid, Stéphane Roze, Katell Le Lay

**PA2796** **IMPACT OF COMORBIDITY ON DIRECT MEDICAL COSTS OF COMMUNITY-ACQUIRED PNEUMONIA (CAP)**  
Anna V Demchuk (Vinnytsia, Ukraine), Yuriy M Mostovoy

**PA2797** **Cost Effectiveness Of Bronchial Thermoplasty For Treatment Of Severe Asthma Patients In Scotland**  
Wai-Ting Nicola Lee (Glasgow, United Kingdom), Rekha Chaudhuri, Stephen Bicknell, Katie Ferguson, Malcolm Shepherd, Jesse D Ortendahl, Tanya G.K. Bentley, Michael J. Cangelosi

**PA2798** **Cost effectiveness of bronchial thermoplasty for treatment of severe asthma patients in spain**  
Luis Puente Maestu (Madrid, Spain), Michael Cangelosi, Jesse Ortendahl , Tanya Bentley

**PA2799** **Can correct inhalation technique programs reduce costs due to hospitalization of patients with obstructive pulmonary diseases?**  
Zlatina Ivanova (Pleven, Bulgaria), Iliya Krachunov, Nikolay Kyuchukov, Nikolay Yanev, Pavlina Glogovska, Plamen Pavlov, Tsania Popova, Ivan Ivanov, Yavor Ivanov

**PA2800** **Economic burden of asthma among patients visiting a private hospital in south India**  
Surendran Aneeshkumar (KOLLAM (KERALA), India), Singh Raj

- PA2801** **Non fulfillment adherence in a Czech outpatient department serving COPD and asthma patients in one year**  
Pavel Turáni (Brno, Czech Republic), Pavel Turáni, Jana Skřítková

**TP-40 (Hall 4) Session 317 12:50 - 14:40**

**Thematic Poster: Late-breaking findings in pulmonary diseases**

**Chairs :** Heinrike Wilkens (Homburg/Saar, Germany), Akke-Nynke A.N. van der Meer (Leeuwarden, Netherlands), Mario Del Donno (Benevento, BN, Italy)

- PA2802** **Late Breaking Abstract - Roles for transglutaminases in normal and aberrant lung development associated with BPD.**  
Tilman Pfeffer (Bad Nauheim, Germany), Ivana Mizikova, Claudio Nardiello, Rory Morty, Seeger Werner, David Surate Solaligue
- PA2803** **Late Breaking Abstract - Pulmonary hypertension modifies cardiac genes myh7 and colla1 nonreversible by training**  
Aline Ferreira (PRESIDENTE PRUDENTE/SP, Brazil), Thaoan Mariano, Ana KarêNina Sabela, André Oliveira, Ana Paula Freire, Katashi Okoshi, AntôNio Cicogna, Robson Carvalho, Dionei Ramos, Francis Pacagnelli
- PA2804** **Late Breaking Abstract - Whole exome sequencing and runs of homozygosity Identifies a Novel Mutation of DYX1C1 in Primary Ciliary Dyskinesia From a consanguineous Chinese Family**  
Ting Guo (chang sha, China), Hong Luo
- PA2805** **Late Breaking Abstract - Safety of combined pirfenidone (PFD) and nintedanib (NIN) in patients with idiopathic pulmonary fibrosis (IPF)**  
Kevin R. Flaherty (Pinckney, United States of America), Charlene D. Fell, J. Terrill Huggins, Hilario Nunes, Robert Sussman, Claudia Valenzuela, Ute Petzinger, John. L Stauffer, Frank Gilberg, Monica Bengus, Marlies Wijzenbeek
- PA2806** **Late Breaking Abstract - Long-term safety of pirfenidone in a real-world setting: final results from the prospective, observational PASSPORT registry**  
Vincent Cottin (Lyon, France), Dirk Koschel, Andreas Guenther, Carlo Albera, Arata Azuma, Magnus Skold, Sara Tomassetti, Philip Hormel, John L. Stauffer, Indiana Strombom, Klaus-Uwe Kirchgaessler, Toby M. Maher
- PA2807** **Late Breaking Abstract - Retrospective study to analyze role of age in the oximetry parameters of the respiratory polygraphy**  
Glenda Ernst (Buenos Aires, Argentina), Fernando Di Tullio, Magali Blanco, Martin Bosio, Alejandro Salvado, Eduardo Borsini
- PA2808** **Late Breaking Abstract - The miR-34a/Pdgfra interaction can be targeted to correct defective alveolarization in experimental bronchopulmonary dysplasia**  
Jordi Ruiz Camp (Giessen, Germany), Jennifer Quantius, Ettore Lignelli, Philipp Arndt, Ivana Mizikova, Elpidofors Sakkas, Konstantin Mayer, Istvan Vadasz, William Richardson, Katrin Ahlbrecht, Susanne Herold, Werner Seeger, Rory Morty
- PA2809** **Late Breaking Abstract - Actin-scavenging gelsolin: A marker of one-month lasting ventilator-demanding respiratory failure in critically ill patients**  
Freja Stæhr Holm (Brønshøj, Denmark), Pradeesh Sivapalan, Niels Seersholm, Theis Skovsgaard Itenov, Per Hjort Christensen, Jens-Ulrik StæHr Jensen
- PA2811** **Late Breaking Abstract - Responder phenotyping using functional respiratory imaging (FRI) in IPF patients treated with anti-CGTG monoclonal antibody FG3019**  
Elias Kouchakji (San Francisco, United States of America), Maarten Lanclus ( ), Charles Mussche, Cedric Van Holsbeke, Jan De Backer, Wim Vos, Benjamin Mignot, Wilfried De Backer, Johan Clukers, Seth Porter, Elias Kouchakji, Eduard Gorina, Jonathan Goldin
- PA2812** **Late Breaking Abstract - New method for molecular phenotyping of noisy breathing infants**  
Gitte Slingers (Nieuwerkerken, Belgium), Lotte Broeckx, Bo Geurts, Maarten Spruyt, Eddy Goelen, Gudrun Koppen, Marc Raes
- PA2813** **Late Breaking Abstract - Enhancing the antimicrobial efficacy of mesenchymal stem cells (MSCs) to combat sepsis-induced acute lung injury (ALI) using a novel combination of immune-stimulants**  
Emma Murphy (Glasnevin, Ireland)

**Silver (North) Session 318 13:00 - 14:30**

**Lunchtime session: New research in asthma and COPD**

A joint ERS/JAMA lunchtime session

- Aims :**
1. Understand the need to re-evaluate the diagnosis of asthma among patients with previously diagnosed adult-onset asthma
  2. Understand the benefits of home noninvasive positive-pressure ventilation among patients with severe COPD and chronic hypercapnea following hospitalization for COPD exacerbation
  3. Understand the role of home allergen-reduction interventions for children and adolescents with asthma.

**Target audience :** Clinician, Public health official**Chairs :** George O'Connor (Boston, United States of America), Mario Cazzola (Roma, Rm, Italy)

<b>13:00</b>	<b>Re-evaluation of asthma diagnosis in patients with adult-onset asthma</b> Shawn Aaron (Ottawa, ON, Canada)	<b>2815</b>
<b>13:30</b>	<b>Home noninvasive ventilation for patients with severe COPD</b> Nicholas Hart (London, United Kingdom)	<b>2816</b>
<b>14:00</b>	<b>Home allergen reduction in the treatment of asthma</b> Elisabeth Matsui (Baltimore, United States of America)	<b>2817</b>

### Bronze (Hall 4) Session 319 13:00 - 14:15

#### Assembly members' meeting: Assembly 7 Paediatrics

**Aims :** The following prizes will be presented during the meeting:

ERS Assembly Lifetime Achievement Award

ERS Grant for Best Abstract in Paediatric Respiratory Physiology

ERS Grant for Best Abstract in Paediatric Cystic Fibrosis

ERS Grant for Best Abstract in Paediatric Respiratory Epidemiology

**Chairs :** Fabio Midulla (Roma, Italy), Jonathan Grigg (London, United Kingdom)

### Purple (North) Session 320 13:00 - 14:30

#### Lunchtime session: How to train the next generation

**Aims :** Education, certification, and training programmes are popping up everywhere. National options compete with international organisations to train the next generation. But what exactly does the next generation want? Different education options will be presented and discussed.**Tag(s) :** Clinical**Target audience :** Educationalist, Fellow, General practitioner, Junior member, Oncologist, Pathologist, Pulmonologist, Resident, Scientist, Student, Trainee**Chairs :** Agnes W. Boots (Maastricht, Netherlands), Aran Singanayagam (London, United Kingdom)

<b>13:00</b>	<b>What the ERS can offer the next generation</b> Gernot G.U. Rohde (Frankfurt am Main, Germany)	<b>2818</b>
<b>13:25</b>	<b>Stimulation-based learning</b> Lars Konge (Virum, Denmark)	<b>2819</b>
<b>13:47</b>	<b>E-learning: everything through the web?</b> Frans H.C. De Jongh (Enschede, Netherlands)	<b>2820</b>
<b>14:09</b>	<b>Courses – observation – evaluation</b> Laurence M.M.J. Crombag (Huizen, Netherlands)	<b>2821</b>

### Red (North) Session 321 13:00 - 14:15

#### Assembly members' meeting: Assembly 5 Airway diseases

**Chairs :** Ian M. Adcock (London, United Kingdom), Antonio Spanevello (Milan, Italy)

### Space 1 + 2 (South) Session 322 13:00 - 14:15

#### Assembly members' meeting: Assembly 1 Clinical

**Aims :** The meeting will host the ceremony for the ERS Assembly Lifetime Achievement Award.**Chairs :** Felix J.F. Herth (Heidelberg, Germany), Venerino Poletti (Forlì, Italy)

### Amber 1 + 2 (South) Session 323 13:00 - 14:00

#### Patient forum: Talking about smoking cessation with respiratory patients



**Aims :** Many common respiratory diseases are caused or worsened by tobacco smoking and evidence indicates that symptoms, prognosis and quality of life improve upon quitting. Nevertheless, a large number of people living with a lung condition continue to smoke because they do not want to quit, or have found it difficult to do so. Smoking cessation offers many positive health benefits for the individual. A smoker's carbon monoxide levels return to normal within a day of quitting, while long-term benefits include improved lung function and longer life expectancy. In order to support more people with a lung condition to quit successfully, healthcare professionals in primary and secondary care must be equipped to discuss smoking cessation with their respiratory patients. Although many healthcare professionals find it difficult to approach the topic of smoking cessation with their patients, and many patients struggle to find the self-confidence and motivation to quit, a focus on positive health and social benefits within smoking cessation discussions offers an empowering approach to support patients to quit. Incorporating both professional and patient perspectives, this session will explore current evidence of what interventions are most effective in helping respiratory patients to stop smoking, how to employ positive messaging, and how smoking cessation can be approached with smokers who find it difficult to quit with standard methods.

**Tag(s) :** Smoking prevention and cessation (HLfL)

**Target audience :** Pulmonologist, Emergency medicine doctor, Respiratory therapist, Respiratory physician, Researcher, General practitioner, Nurse, Trainee, Allied health professional

**Chairs :** Carlos Andres Jimenez Ruiz (Madrid, Spain), Stefania Vallone (Orbassano, Italy)

**What interventions are most effective in helping respiratory patients to stop smoking?** 2822  
Isabel Saraiva (Cascais, Portugal), Paraskevi Katsounou (Athens, Greece)

**13:00 Introduction** 2823  
Stefania Vallone (Orbassano, Italy), Carlos Andres Jimenez Ruiz (Madrid, Spain)

Amber 5 + 6 (South) Session 325 13:00 - 14:15

Assembly members' meeting: Assembly 3 Cell and molecular biology

**Chairs :** Pieter S. Hiemstra (Leiden, Netherlands), Catherine Greene (Dublin, Ireland)

13:15-14:30

INDUSTRY PRACTICAL WORKSHOP

SEE PAGE 1

Gold (South) Session 341 14:45 - 16:45

Grand Round: GR6 Paediatric Ground Round: an interactive session

Paediatric clinical cases

**Aims :** The aim of the Paediatric Ground Round is to present paediatric cases with respiratory problems and with typical and difficult questions. The audience will be engaged in discussions about the best clinical care and will receive an update in paediatric respiratory medicine.

**Track(s) :** Chronic airway diseases Respiratory infections

**Tag(s) :** Paediatric

**Target audience :** Clinician, Emergency medicine doctor, Fellow, General practitioner, Junior member, Neonatologist, Paediatrician, Pulmonologist, Researcher, Resident, Scientist, Student, Trainee

**Chairs :** Raffaella Nenna (Roma, Italy), Petr Pohunek (Prague, Czech Republic)

**14:45 Severe acute dyspnoea in a 13-year old girl** 2865  
Ismé M. de Kleer (Rotterdam, Netherlands)

**15:15 It's not all asthma** 2866  
Julie Duncan (London, United Kingdom)

**15:45 A premature baby with severe respiratory distress** 2867  
Marie Wright (London, United Kingdom)

**16:15 Does this patient have cystic fibrosis?** 2868  
Tuba Kockar ( STANBUL, Turkey)

Auditorium (South) Session 342 14:45 - 16:45

Symposium: State of the art session: "Acute and chronic respiratory failure and sleep"

**Aims :** This session will provide state of the art lectures on topic related to acute and chronic respiratory failure and sleep. Specific topic to be addressed:

\* New insights in the pathophysiology, diagnosis and treatment of ARDS

\* New insights in the role of high flow nasal oxygen and noninvasive ventilation in the treatment of acute hypoxemic failure. Specific patient populations will be discussed including immunocompromised patients, patients with hypoxemia after extubation and postsurgical patients.

\* New insights in the the role of noninvasive ventilation in the treatment of chronic respiratory failure and OSAS

**Track(s) :** Acute and chronic respiratory failure/sleep

**Tag(s) :** Clinical

**Target audience :** Clinician, Emergency medicine doctor, Fellow, General practitioner, Patient, Pulmonologist, Respiratory physician, Respiratory therapist, Scientist, Sleep specialist/technologist, Trainee, Intensivist/critical care physician

**Chairs :** Ezgi Özyilmaz (Adana, Turkey), Paolo Navalesi (Milan, Italy)

14:45	<b>Acute respiratory distress syndrome</b> Nicole Juffermans (Amsterdam, Netherlands)	2869
15:15	<b>Noninvasive ventilation and HFNO in the treatment of acute hypoxemic failure?</b> Stefano Nava (Bologna, Italy)	2870
15:45	<b>NIV for chronic respiratory failure</b> Wolfram Windisch (Cologne, Germany)	2871
16:15	<b>Obstructive sleep apnea</b> Eva Lindberg (Uppsala, Sweden)	2872

## Silver (North) Session 343 14:45 - 16:45

### Session: When respiratory diseases meet swallowing disorders

A joint ERS/ESSD session

**Aims :** The recent ERS International Congress in London (September 2016) has seen the beginning of a collaboration between ERS and the European Society for Swallowing Disorders (ESSD) based on the importance (incidence and prevalence) of often unrecognised swallowing disorders in respiratory diseases. A collaboration between the two societies (ERS and ESSD) should help to develop programmes for all patients affected by both swallowing and respiratory disorders.

**Track(s) :** Acute and chronic respiratory failure/sleep Respiratory infections

**Tag(s) :** Clinical

**Target audience :** Clinician, Fellow, Junior member, Physiologist, Public health official, Pulmonologist, Researcher, Resident, Respiratory physician, Nurse, Otolaryngologist, Student, Trainee

**Chairs :** Maria Bonsignore (Palermo, PA, Italy), Samuel Vergès (Grenoble, France)

14:45	<b>Oropharyngeal dysphagia: when swallowing disorders meet respiratory diseases</b> Eric Verin (ROUEN, France)	2873
15:12	<b>Swallowing dysfunction and aspiration pneumonia</b> Pierre Clavé (Barcelona, Spain)	2874
15:39	<b>Neuromuscular disorders: functional evaluation, dyspnoea and prognosis</b> Capucine Morelot-Panzini (La Varenne St-Hilaire, France)	2875
16:06	<b>Thoraco-abdominal coordination and chest wall function in neuromuscular disease</b> Andrea Aliverti (Milan, Italy)	2876
16:33	<b>Inducible Laryngeal Obstruction (ILO) - An Official joint ERS and ELS Statement</b> Thomas Halvorsen (Bergen, Norway)	2877

## Bronze (Hall 4) Session 344 14:45 - 16:45

### Symposium: Clinical impact of nontuberculous mycobacterial (NTM) disease

**Aims :** The aims of this symposium are (1) to review the current state of knowledge about NTM disease, with a specific focus on issues that are relevant for clinicians; (2) to highlight recent advances in NTM disease, with an emphasis on disease prevention and patient management; (3) to identify the direction and priorities of current NTM disease research efforts, with an emphasis on patient management issues; and (4) to identify the short- and long-term goals in expanding NTM lung disease knowledge and the paths that will achieve those goals.

**Track(s) :** Respiratory infections**Tag(s) :** Clinical**Target audience :** Clinician, Fellow, General practitioner, Junior member, Microbiologist, Paediatrician, Patient, Pulmonologist, Researcher, Respiratory physician, Scientist, Student, TB specialist, Trainee**Chairs :** David E. Griffith (Tyler, United States of America), Charles Haworth (CAMBRIDGE, United Kingdom)

14:45	<b>Ceremony for the ERS Research Award: Innovation in Non-Tuberculous Mycobacteria Science and Medicine</b> Stefano Aliberti (Milan, Italy)	2878
14:55	<b>Microbiological diagnosis of NTM pulmonary disease</b> Jakko van Ingen (Nijmegen, Netherlands)	2879
15:22	<b>How to assess and manage the co-isolation of NTM with other potential respiratory pathogens</b> Timothy Aksamit (Rochester, United States of America)	2880
15:50	<b>New treatment strategies for NTM disease</b> Michael Loebinger (London, United Kingdom)	2881
16:18	<b>The natural history of untreated NTM lung disease: a global perspective</b> Won-Jung Koh (Seoul, Republic of Korea)	2882

**Beige (South)****Session 345****14:45 - 16:45****Symposium: Precision medicine approaches in lung cancer****Aims :** To present the recent developments in our understanding of the pathogenesis and precision therapy of lung cancer. The symposium will focus in particular on signalling and the immunological and genetic alterations in lung cancer.**Track(s) :** Lung cancer**Tag(s) :** Clinical, Basic translational science**Target audience :** Allied health professional, Clinician, General practitioner, Immunologist, Junior member, Nurse, Oncologist, Pathologist, Patient, Pharmaceutical industry representative, Psychologist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Scientist, Student, Thoracic endoscopist, Thoracic surgeon, Trainee**Chairs :** Philipp A. Schnabel (Homburg/Saar, Germany), Joanna Chorostowska-Wynimko (Warszawa, Poland)

14:45	<b>What can we learn from the biology of premalignant neoplasia for cancer prevention?</b> Avrum Spira (Boston, United States of America)	2883
15:15	<b>Molecular pathology and precision medicine for lung cancer</b> Giulio Rossi (Modena, Italy)	2884
15:45	<b>Precision medicine for lung cancer: new targeted treatments</b> Thierry Berghmans (Bruxelles, Belgium)	2885
16:15	<b>Genetic heterogeneity and neoantigens in lung cancer: implications for next-generation immunotherapy</b> Thomas Wehler (Homburg/Saar, Germany)	2886

**Black (North)****Session 346****14:45 - 16:45****Session: Ethnic differences and their clinical impact on respiratory diseases in Europe and Japan****A joint ERS/JRS session****Aims :** Ethnic differences in clinical behavior of respiratory diseases including ILD, COPD and interventional pneumology were reported. These differences may strongly affect the variety of the diagnosis and therapy in each country. It is beneficial for researchers as well as clinicians to understand the differences. The valuable discussion by the speakers and audience from ERS and JRS will be expected.**Tag(s) :** Clinical**Target audience :** Clinician, General practitioner, Junior member**Chairs :** Bruno Balbi (Veruno, NO, Italy), Yasuhiko Nishioka (Tokushima, Japan)

14:45	<b>Acute respiratory distress syndrome: the Japanese perspective</b> Sadatomo Tasaka (Tokyo, Japan)	2887
15:15	<b>Acute respiratory distress syndrome: the European perspective</b> Giacomo Grasselli (Milan, Italy)	2888
15:45	<b>Interstitial lung disease: the Japanese perspective</b> Yasuhiro Kondoh (Seto, Aichi, Japan)	2889

16:15 Panel discussion

2890

Purple (North)

Session 347

14:45 - 16:45

## Oral Presentation: Late-breaking studies in pulmonary diseases

Chairs : Prashant Nemichand Chhajed (Mumbai (Maharashtra), India), Ioannis Psallidas (Oxford, United Kingdom)

- OA2891** **Late Breaking Abstract - A phase I feasibility study in establishing the role of ultrasound-guided pleural biopsies in pleural infection (The AUDIO study)**  
Ioannis Psallidas (Oxford, United Kingdom), Nikolaos Kanellakis, Rahul Bhatnagar, Rahul Ravindran, Ahmed Yousuf, Anthony J Edey, Rachel M Mercer, John P Corcoran, Robert J Hallifax, Prashanth Shetty, Tao Dong, Hania Eg Piotrowska, Collin Clelland, Nick A Maskell, Najib M Rahman
- OA2892** **Late Breaking Abstract - The impact of errors on members of the ERS Respiratory Intensive Care Assembly**  
Gerardo Carino (Providence, United States of America), Anton Edwards, Nader Azab, Amanpreet Kaur, Andrew Levinson, Filipe Monteiro
- OA2893** **Late Breaking Abstract - Influence of Weather Conditions on the Onset of Primary Spontaneous Pneumothorax: Positive Association with Occurrence of "clusters"**  
Aissa Sana (Sousse, Tunisia), Maoua Maher, Selmi Salsabil, Benzarti Wafa, Gargouri Imen, Abdelghani Ahmed, Garrouche Abdelhamid, Hayouni Abdelaziz, Naija Walid, Mrizek Nejib, Benzarti Mohamed
- OA2894** **Late Breaking Abstract - Study of natural autoantibodies in rheumatoid arthritis patients with pulmonary involvement**  
Ntamotseva-Karra Lena (Drama, Greece), Theocharis Konstaninidis, Marina Aslanidou, Charalampos Triantafyllidis, Maria Panopoulou, Christina Tsigalou
- OA2895** **Late Breaking Abstract - Frequency and characteristics of TB relapses**  
Vadim Testov (Fryazino, Moscow Region, Russian Federation), Elena Kiryanova, Boris Kazenny, Irina Vasilyeva, Anastasia Samoilova

Red (North)

Session 348

14:45 - 16:45

## Oral Presentation: Update and new perspectives in Airway Diseases

Chairs : Gaetano Caramori (Messina, Italy), Tania Maes (Ghent, Belgium)

- OA2896** **Late Breaking Abstract - A GATA3-specific DNzyme attenuates sputum eosinophilia in COPD patients with eosinophilic airway inflammation**  
Timm Greulich (Marburg, Germany), Jens M. Hohlfeld, Andreas Klemmer, Ursula Homburg, Jonas Renz, Holger Garn, Harald Renz, Petra Neuser, Susanne Harnisch, Carmen Schade-Brittinger, Anne Kirsten, Frauke Pedersen, Henrik Watz, Katrin Lueer, Claus F. Vogelmeier
- OA2897** **Late Breaking Abstract - The biological pathways underlying response to anti-IL-17A (AIN457; secukinumab) therapy differ across severe asthmatic patients.**  
Edward Khokhlovich (Cambridge, United States of America), Sarah Grant, Shamsah Kazani, Robert Strieter, Tricia Thornton-Wells, Jason Laramie, Thomas Morgan, Scott Kennedy
- OA2898** **Late Breaking Abstract - Extrafine triple therapy reduces exacerbations in GOLD B COPD patients: post-hoc analysis of TRILOGY and TRINITY**  
Mario Scuri (PARMA, PR, Italy), Dave Singh, Leonardo Fabbri, Alberto Papi, Stefano Vezzoli, Annamaria Muraro, Stefano Petruzzelli, Jorgen Vestbo
- OA2899** **Late Breaking Abstract - Lung deflation with Indacaterol/Glycopyrronium improves cardiac function in COPD patients: The CLAIM Study**  
Jens Hohlfeld (Hannover, Germany), Jens Vogel-Claussen, Heike Biller, Dominik Berliner, Korbinian Berschneider, Simone Hiltl, Johann Bauersachs, Tobias Welte
- OA2900** **Late Breaking Abstract - The first direct comparison between BAL-fluid and the PExA methodology in healthy individuals.**  
Annelie Behndig (Umeå, Sweden), Ekaterina Mirgorodskaya, Anders Blomberg, Anna-Carin Olin
- OA2901** **Late Breaking Abstract - Activation of Notch1 signalling promotes Bone Marrow-derived Mesenchymal Stem Cells proliferation, migration and survival in COPD microenvironment via PI3K/Akt**  
Yi Cheng (, China), Wen Gu, Guorui Zhang, Xuejun Guo
- OA2902** **Late Breaking Abstract - Characterizing responders to benralizumab for severe asthma: pooled analysis of the SIROCCO and CALIMA studies**  
J. Mark Fitzgerald (Vancouver, BC, Canada), Eugene R. Bleeker, Andrew Menzies-Gow, James G. Zangrilli, Paul Metcalfe, Ian Hirsch, Paul Newbold, Mitchell Goldman

- OA2903 Late Breaking Abstract - Reslizumab vs benralizumab in patients with inadequately controlled asthma: a Bayesian network meta-analysis**  
Thomas B. Casale (Tampa, United States of America), Laura Mesana, Maud Pacou, Gaëlle Farge, Shawn X Sun, Mario Castro

Space 1 + 2 (South) Session 349 14:45 - 16:45

Oral Presentation: Functional genomics knowledge in parenchymal and bronchial diseases

Chairs : Aurelie Fabre (Dublin, Ireland), Philippe Bonniaud (Dijon, France)

- OA2905 LSC - 2017 - The role of the epigenetic regulator HMG5 in COPD resulting from chronic lung injury**  
Julian Dorer (Neuherberg, München, Germany), Gizem Gunes, Thomas Conlon, Rim Sarker, Gerald Burgstaller, Valerie Gailus-Durner, Helmut Fuchs, Martin Hrabec; de Angelis, Takashi Furusawa, Michael Bustin, Oliver Eickelberg, Ali Önder Yildirim, Julian Dorer

- OA2906 Association between AGTTGFB1ESR1, and VDR gene variants with idiopathic pulmonary fibrosis (IPF) and pulmonary sarcoidosis (PS) clinical features**  
Anna Ulitina (St Petersburg, Russian Federation), Lubov' Novikova, Julia Ilkovich, Olga Baranova, Tatiana Makarova, Eugenia Volkova, Sofya Pchelina, Mikhail Ilkovich, Mikhail Dubina

- OA2907 Insights from RNA-sequencing of bronchoalveolar lavage cells in a large sarcoidosis cohort**  
Milica Vukmirovic (New Haven, United States of America), Xiting Yan, Kevin F. Gibson, Mridu Gulati, Giuseppe DeLuliis, Tony Woolard, Taylor Adams, Buqu Hu, Wenlan Zang, Antun Mihaljinec, Hubertus D. Luijk, Nachele Aurelien, Scott M. O'Neal, Michael J. Becich, Harry Hochheiser, Erica L. Herzog, Robert M. Senior, Edward S. Chen, Alison M. Morris, Joseph K. Leader, Yingze Zhang, Joe G. N. "Skip" Garcia, Stephen R. Wisniewski, Panagiotis V. Benos, Lisa A. Maier, David R. Moller, Wonder P. Drake, Laura L. Koth, Naftali Kaminski

- OA2908 The DN3OS lncRNA is a reservoir of fibromiRs with major functions in lung fibroblast response to TGF- and pulmonary fibrogenesis**  
Bernard Mari (Valbonne, France), Grégoire Savary, Matthieu Buscot, Edmone Dewaeles, Nicolas Nottet, Julien Fassy, Cynthia Van der Hauwaert, Serena Diazi, Agnès Paquet, Kevin Lebrigand, Sylvie Leroy, Laurent Plantier, Nihal Martis, François Glowacki, Roger Rezzonico, Bruno Crestani, Franck Broly, Pascal Barbry, Michael Perrais, Saverio Bellusci, Christelle Cauffiez, Charles-Hugo Marquette, Nicolas Pottier, Imène-Sarah Henaoui, Christian Lacks Lino Cardenas

- OA2909 Decreased expression of FENDRR, a lung mesenchymal long non-coding RNA, regulates fibroblast phenotypes in IPF through NOX4.**  
Koji Sakamoto (Nagoya, Japan), Nikos Xylourgidis, Norihito Omote, Taylor Adams, Guoying Yu, Farida Ahangari, Jose Herazo-Maya, Naftali Kaminski, Robert Homer

- OA2910 Comparison of gene expression profiles from nasal and bronchial brushes**  
Kai Imkamp (Groningen, Netherlands), Marijn Berg, Cornelis Vermeulen, Irene Heijink, Victor Guryev, Gerard Koppelman, Maarten van den Berge, Alen Faiz, Huib Kerstjens

Space 3 + 4 (South) Session 350 14:45 - 16:45

Oral Presentation: Primary care management of asthma and COPD

Chairs : Hilary Pinnock (Edinburgh, United Kingdom), António Jaime Correia De Sousa (PORTO, Portugal)

- OA2911 Late Breaking Abstract - Health economic burden of asthma/COPD in Uganda, Vietnam, Kyrgyzstan and Greece: FRESH AIR results**  
Job F.M. van Boven (Groningen, Netherlands), Evelyn A. Brakema, Simon Walusimbi, Marilena Anastasaki, Aizhamal Tabyshova, Luan Nguyen, Christos Lionis, Ioanna Tsiligianni, Bruce J. Kirenga, Pham L. An, Talant Sooronbaev, Maarten J. Postma, Niels H. Chavannes

- OA2912 Effect on health status of integrated self-management platforms in COPD disease-management**  
Esther P.W.A. Talboom-Kamp (Breda, Netherlands), Marise Kasteleyn, Noortje Verdijk, Niels Chavannes, Mattijs Numans, Lara Harmans, Nan van Geloven, Irvin Talboom

- OA2913 Breathing exercises for asthma - results of the BREATHE study**  
Mike Thomas (Southampton, United Kingdom), Anne Bruton, Lucy Yardley, James Raftery, Jenny Versnel, Amanda Lee, Ian Pavord, Paul Little, Mike Moore, Ratko Djukanovic, Stephen Holgate, David Price

- OA2914 Telephone health coaching in primary care patients with MRC I/II COPD: randomised controlled trial.**  
Kate Jolly (Birmingham, United Kingdom), Manbinder Sidhu, Catherine Hewitt, Amanda Daley, Rachel Jordan, Peter Coventry, Carl Heneghan, Sue Jowett, Sally Singh, Natalie Ives, Peymane Adab, Jinu Varghese, David Nunan, Khaled Ahmed, David Fitzmaurice

- OA2915 Improving Care in Chronic Obstructive Lung Disease (CAROL): a cluster randomized trial in primary care**  
Claudia Steurer-Stey (Zürich, Switzerland), Stefan Markun, Thomas Rosemann, Kaba Dalla Lana

- OA2916** **A systematic review to identify and weight indicators of risk of asthma exacerbations in children aged 5-12**  
Audrey Buelo (Edinburgh, United Kingdom), Susannah Mclean, Javier Flores-Kim, Steven Julious, Mike Shields, James Paton, John Henderson, Hilary Pinnock
- OA2917** **The use of electronic alerts in primary care to identify the over-prescription of short-acting beta2-agonists in people with asthma: a systematic review**  
Shauna McKibben (London, United Kingdom), Anna De Simoni, Andy Bush, Mike Thomas, Chris Griffiths
- OA2918** **Identifying cut off scores for the chronic obstructive pulmonary disease assessment test (CAT) to predict exacerbations in COPD**  
Marise Kasteleyn (Leiden, Netherlands), Cristina Esquinas, Miriam Barrecheguren, Marc Miravittles, Christian Taube, Niels Chavannes

## Pink (South)

## Session 351

14:45 - 16:45

## Oral Presentation: Exercise training and breathing exercises in chronic respiratory disease

Chairs : Deniz Inal-Ince (Ankara, Turkey), Rik Gosselink (Leuven, Belgium)

- OA2919** **EFFECTS OF AEROBIC AND BREATHING EXERCISES ON CLINICAL CONTROL AND AIRWAY INFLAMMATION IN PERSISTENT ASTHMA**  
Celso R. F. Carvalho (SAO PAULO/SP, Brazil), Karen Brandao Evaristo, Milene Granja Saccomani, Alberto Cukier, Rafael Stelmach, Regina Carvalho-Pinto, Danilo F Santaella, Marcos Rojo, Beatriz M Saraiva-Romanholo, Milton Arruda Martins
- OA2920** **Oxygen uptake during cycle ergometry with and without functional electrical stimulation in COPD patients: a randomised placebo-controlled cross-over trial**  
Clement Medrinal (LE HAVRE, France), Guillaume Prieur, Yann Combret, Aurora Robledo Quesada, David Debeaumont, Jean Quieffin, Olivier Contal, Bouchra Lamia
- OA2921** **Muscle strength training; does number of repetitions affect fatigue in sarcoidosis patients?**  
Anita Grongstad (Slattum, Norway), Nina K pke V llestad, Line Oldervoll, Martijn Spruit, Anne Edvardsen
- OA2922** **Quality of resistance training description in COPD trials: a systematic review**  
Peter Klijn (Hilversum, Netherlands), Bennie Westra, Sander de Wolf, Monique Legemaat, Andr  Nyberg, Andr  Nyberg, Eline bij de Vaate, Faridi van Etten-Jamaludin, Peter Klijn, Monique Legemaat
- OA2923** **Effect of inspiratory muscle training (IMT) on static and dynamic respiratory muscle function in patients with COPD**  
Sauwaluk Dacha (LEUVEN, Belgium), Daniel Langer, Casey Ciavaglia, Katherine Webb, Megan Preston, Denis E. O'Donnell
- OA2924** **Effects of inspiratory muscle training on dyspnea in severe COPD patients during pulmonary rehabilitation : controlled randomized trial**  
Marc Beaumont (Lannion, France), Philippe Mialon, Catherine Le Ber, Patricia Le Mevel, Lo c P ran, Olivier Meurisse, Angelina Dion, Francis Couturaud
- OA2925** **A multicentre randomised controlled trial of inspiratory muscle training for patients with chronic obstructive pulmonary disease (IMTCO study)**  
Noppawan Charususun (Pathumthani, Thailand), Rik Gosselink, Marc Decramer, Alison McConnell, Heleen Demeyer, Didier Saey, Francois Maltais, Eric Derom, Stefanie Vermeersch, Yvonne Heijdra, Linda Garms, Rainer Gloeckl, Klaus Kenn, Daniel Langer

## Brown 1 + 2 (South)

## Session 352

14:45 - 16:45

## Oral Presentation: New ideas for the management of chronic lung diseases

Chairs : Alfredo Chetta (Parma, Pr, Italy), Vincent Cottin (Lyon, France)

- OA2926** **Dynamic changes of monocyte human leukocyte antigen-DR and T cell subsets in sepsis**  
Jianqiao Xu (Beijing, China), Lixin Xie
- OA2927** **Effects of idebenone on pulmonary morbidity in Duchenne muscular dystrophy (DMD)**  
Oscar H. Mayer (, United States of America), Christian Rummey, Shabir Hasham, Gunnar Buyse on behalf of the DELOS study group
- OA2928** **Efficacy of Idebenone in respiratory decline in Duchenne muscular dystrophy (DMD): Comparison of analysis methods**  
Oscar H. Mayer (, United States of America), Mika Leinonen, Gunnar Buyse on behalf of the DELOS Study Group
- OA2929** **Exploring Efficacy and Safety of Oral Pirfenidone for Progressive, non-IPF Lung Fibrosis (RELIEF-Study)**  
Juergen Behr (M nchen, Germany), Petra Neuser, Antje Prasse, Michael Kreuter, Klaus Rabe, Carmen Schade-Brittinger, Jasmin Wagner, Andreas G nther

**OA2930** **Randomized controlled trial of abituzumab in systemic sclerosis-associated interstitial lung disease**  
Dinesh Khanna (Ann Arbor, United States of America), Donald Tashkin, Athol Wells, Jonathan Goldin, Martin Lubell, Steven Wax, Doris Damian, Christopher Denton

**OA2931** **The Effect of MK-7264, a P2X3 antagonist, on Cough Reflex Sensitivity in a Randomized Crossover Trial of Healthy and Chronic Cough Subjects**  
Alyn Hugh Morice (Cottingham, United Kingdom), Michael Kitt, Anthony Ford, Kayleigh Brindle, Rachel Thompson, Susannah Thackray-Nocera, Caroline Wright

**OA2932** **Inhibition of P2X3 by MK-7264 reduces 24-hour cough frequency in a randomized, controlled, Phase 2b clinical trial**  
Jaclyn Smith (Manchester, United Kingdom), Michael Kitt, Alyn Morice, Surinder Biring, Lorcan McGarvey, Mandel Sher, Anthony Ford

## Yellow (North)

## Session 353

14:45 - 16:45

## Oral Presentation: Techniques in biomarker selection

Chairs : Alexander Mathioudakis (Manchester, United Kingdom), Andras Bikov (Budapest, Hungary)

**OA2933** **Late Breaking Abstract - Exploring particles from exhaled air as a new source for protein biomarkers from the airways**  
Jörgen Östling (Mölnådal, Sweden), Marleen Van Geest, Emilia Viklund, Per Gustafsson, Ekaterina Mirgorodskaya, Anna-Carin Olin

**OA2934** **A neo-epitope of serum lysyl oxidase like 2 (LOXL2) generated during enzyme maturation is elevated in cancer and idiopathic pulmonary disease**  
Diana Julie Leeming (Herlev, Denmark), Cecilie L Bager, Nicholas Willumsen, Jannie MB Sand, Bidisha Dasgupta, Carrie Brodmerkel, Mark Curran, Morten A Karsdal

**OA2935** **Th2 related biomarkers as predictors of airway eosinophilia in optimally treated smoking asthmatics: An observational study.**  
Evgenia Papanthassiou (ATHENS, Greece), Stelios Loukides, Konstantinos Kostikas, Zoe Tsiligianni, Polyxeni Ntontsi, Georgios Papatheodorou, Spyros Papiiris, Nikolaos Koulouris, Petros Bakakos, Georgios Hillas

**OA2936** **The effect of smoking on exhaled lining fluid from small airways**  
Emilia Viklund (Gothenburg, Sweden), Hatice Koca, Laith Hussain, Anna-Carin Olin

**OA2937** **A rapid method to increase the clinical use of sputum inflammatory cells**  
Patrizia Pignatti (Pavia, Italy), Dina Visca, Veronica Leoni, Elisabetta Zampogna, Francesca Cherubino, Giovanni Sotgiu, Antonio Spanevello

**OA2938** **Pattern of phospholipids and Surfactant Protein A in Particles in Exhaled Air (PExA)**  
Anna-Carin Olin (Gothenburg, Sweden), Emilia Viklund, Gunilla Runström, Ekaterina Mirgorodskaya

**OA2939** **Analysis of induced sputum by Chipcytometry**  
Olaf Holz (Hannover, Germany), Meike Mueller, Christian Hennig, Anja Mirenska, Jens Hohlfeld

**OA2940** **Investigating optimal sputum processing methods for active neutrophil elastase quantification**  
Charlene Robb (Belfast, United Kingdom), Kelly Moffitt, Timothy Ferguson, Darragh McCafferty, Damian Downey, Brain Walker

## Brown 3 (South)

## Session 354

14:45 - 16:45

## Oral Presentation: Epigenetics of lung function

Chairs : H. Marike Boezen (Groningen, Netherlands), Erik Melén (Stockholm, Sweden)

**OA2941** **DNA methylation and lung function: an epigenome-wide association study**  
Dylan Aïssi (La tronche, France), Xiaojian Shao, Isabelle Pin, Emmanuelle Bouzigon, Anne Boudier, Elodie Boulter, Mark Lathrop, Elin Grundberg, Florence Demenais, Valérie Siroux

**OA2942** **DNA methylation is associated with lung function levels in never-smokers**  
Maaike de Vries (Groningen, Netherlands), Diana van der Plaats, Ivana Nedeljkovi, Najaf Amin, Cornelia van Duijn, Cleo van Diemen, Judith Vonk, Marike Boezen

**OA2943** **Lung function discordance in monozygotic twins and associated differences in blood DNA methylation**  
Anneli Clea Bolund (Århus C, Denmark), Anna Starnawska, Martin R Miller, Vivi Schlünssen, Torben Sigsgaard, Vibeke Backer, Anders D Børghlum, Kaare Christensen, Qihua Tan, Lene Christiansen

- OA2944** **Late Breaking Abstract - Repeated cross-sectional epigenome-wide association study (EWAS) on lung function: the ALEC Project.**  
Medea Imboden (Basel, Switzerland), Matthias Wielscher, Faisal Rezwan, André F Amaral, Emmanuel Schaffner, Anna Beckmeyer-Borowko, Marjo-Ritta Jarvelin, John W Holloway, Deborah L Jarvis, Nicole M Probst-Hensch
- OA2945** **Association between accelerated biological aging and adult lung function**  
Faisal I Rezwan (Southampton, United Kingdom), Medea Imboden, Andre FS Amaral, Matthias Wielscher, Emmanuel Schaffner, Deborah Jarvis, Nicole Probst-Hensch, John W Holloway, on behalf of the ALEC study
- OA2946** **DNA methylation mediates the association between occupational exposures and lung function**  
Diana van der Plaats (Groningen, Netherlands), Maaïke de Vries, Sacha Bastide-van Gemert, Kim de Jong, Cleo van Diemen, Ivana Nedeljkovic, Najaf Amin, Hans Kromhout, Roel Vermeulen, Dirkje Postma, Cornelia van Duijn, Judith Vonk, Marika Boezen
- OA2947** **Pregnancy smoking: Tissue- and sex-specific drift of Igf1r and Igf1 methylation in mouse fetuses and neonates**  
Machteld Hylkema (Groningen, Netherlands), Karolin F. M. Meyer, Susanne Krauss-Etschmann, Rikst Nynke Verkaik-Schakel, Wim Timens, Lester Kobzik, Torsten Plösch
- OA2948** **Late Breaking Abstract - Epigenome-wide association of father's smoking on offspring DNA methylation**  
Toril Mørkve Knudsen (Tysse, Norway), Faisal Rezwan, Ane Johannessen, Svein Magne Skulstad, Randi Jacobsen Bertelsen, Francisco Gomez Real, Nicole Probst-Hensch, Debbie Jarvis, John Holloway, Cecilie Svanes

## Amber 1 + 2 (South)

## Session 355

14:45 - 16:45

## Poster Discussion: The wide spectrum of ILDs

Chairs : Claudia Valenzuela (Alcobendas (Madrid), Spain), Paolo Spagnolo (Liestal, Switzerland)

- PA2949** **Late Breaking Abstract - Air pollution and IPF acute exacerbation**  
Ioannis Tomos (Athens, Alimos, Greece), Effrosyni Manali, Antonis Analitis, Konstantina Dimakopoulou, Aris Spathis, Petros Karakitsos, Spyros Papiris, Anna Karakatsani
- PA2950** **Diffuse pulmonary ossification in Idiopathic Pulmonary Fibrosis: Forli 10-year experience**  
Noorul Afidza Muhammad (Bandar Baru Bangi, Selangor, Malaysia), Sara Tomassetti, Sara Piciocchi, Julian Andres Ceballos Gutiérrez, Mohamad Rodi Isa, Venerino Poletti, Venerino Poletti, Noorul Afidza Muhammad
- PA2951** **Hospital readmission increases short and long – term mortality in patients with interstitial lung disease after acute respiratory worsening.**  
Silvia Barril Farre (BARCELONA, Spain), Ana Rodrigo-Troyano, Guillermo Suárez-Cuartín, Anna Feliu, Tomás Franquet, Laura López-Vilaró, Iván Castellví, Vicente Plaza, Oriol Sibila, Diego Castillo
- PA2952** **Mosaic attenuation in chronic hypersensitivity pneumonitis is not a synonym of air trapping (AT)**  
Olívia Dias (Sao Paulo/Sp, Brazil), Olívia Dias, Francesca Pennati, Caterina Salito, Bruno Guedes Baldi, Marcio Sawamura, Rodrigo Caruso Chate, Carlos Roberto Ribeiro de Carvalho, André Albuquerque, Andrea Aliverti, Jeferson Ferreira
- PA2953** **Smoking and interstitial lung diseases (ILDs).**  
El bieta Pu ci ska (Warszawa, Poland), Anna Goljan-Geremek, El bieta Radzikowska, Dorota Wyrastkiewicz, Adam Nowi ski, Micha Bednarek, Pawe Sliwi ski
- PA2954** **Post-transplant morbidity and mortality in patients with pulmonary fibrosis and telomeric shortening**  
Marta Garcia Moyano (Barakaldo, Spain), Lurdes Planas, Miriam Bullich, Elena Garcia, Laura Pintado, Belén López-Muñiz, Vanesa Vicens, Ana Montes, Cristina Berastegui, Jordi Dorca, Rosario Perona, Antonio Román, Maria Molina-Molina
- PA2955** **Pulmonary hypertension by right heart catheterization in patients with interstitial lung disease**  
Nesrin Mogulkoc (ZM R, Turkey), Hakan Kultursay, Bahri Akdeniz, Yasemin Kabasakal, Aysu Sinem Koc, Paul Bishop
- PA2956** **Effect of Nintedanib in a rat model of lung fibrosis induced by single or double bleomycin administration**  
Maria Gloria Pittelli (PARMA (PR), Italy), Vanessa Pitozzi, Paola Caruso, Martina Bonatti, Giancarlo Aquino, Matteo Biagetti, Caterina Frati, Chiara Mangiaracina, Federico Quaini, Costanza Lagrasta, Paola Puccini, Maurizio Delcanale, Maurizio Civelli, Gino Villetti, Marcello Trevisani
- PA2957** **The impact of dyspnoea and strategies used by lung fibrosis patients to relieve breathlessness.**  
Nicola Cassidy (Dublin 5, Ireland), Petra Grehan, Irene Byrne, Oisín O'Connell, Jim Egan
- PA2959** **Portable oxygen concentrator vs oxygen cylinder during walking in ILD: a randomised crossover trial**  
Yet Hong Khor (Melbourne, VIC, Australia), Nicole Goh, Anne Holland, Christine McDonald



- PA2961** **AmbOx trial: does ambulatory oxygen improve quality of life in patients with fibrotic interstitial lung disease?**  
Elisabetta Renzoni (London, United Kingdom), Dina Visca, Letizia Mori, Vicky Tspouri, Sara Canu, Matteo Bonini, Matt Pavitt, Sharon Fleming, Ashi Firouzi, Morag Farquhar, Elizabeth Leung, Charlotte Hogben, Angelo De Lauretis, Maria Kokosi, John Tayu Lee, Rosemary Lyne, Naomi Rippon, Alfredo Chetta, Anne Marie Russell, Peter Saunders, Vasilis Kouranos, Giorgios Margaritopoulos, Toby M Maher, Anna Stockford, Timothy Paul Cullinan, Nick Hopkins, Surinder Birring, Athol U Wells, Jennifer Whitty, Winston Banya, Huzaifa Adamali, Lisa Spencer, Piersante Sestini
- PA2962** **Installation of a Multidisciplinary team (MDT) review board for children´s interstitial lung disease (ILD)**  
Elias Seidl (Munich, Germany), Meike Hengst, Matthias Kappler, Birgit Kammer, Julia Ley-Zaporozhan, Ingrid Krüger-Stollfuss, Simone Reu, Hans Rock, Gisela Antony, Nicolaus Schwerk, Nural Kiper, Nagehan Emiralioğlu, Adrew Bush, Paul Aurora, Matthias Griese, Annick Clement
- PA2963** **High-resolution CT (HRCT) reflects disease progression in patients with idiopathic pulmonary fibrosis (IPF)**  
Elisabetta Balestro (Padova, PD, Italy), Elisabetta Coconcelli, Donato Lacedonia, Giulio Barbiero, Davide Biondini, Roberta Polverosi, Federico Fracasso, Maria Pia Foschino Barbaro, Manuel G. Cosio, Marina Saetta, Paolo Spagnolo
- PA2964** **IL-9 and IL-9 receptor (IL-9r) expression in BALF lymphocytes in ILD patients: preliminary results.**  
Francesco Bonella (Dusseldorf, Germany), Yan Lyu, Eda Boerner, Thomas Wessendorf, Dirk Theegarten, Christian Taube, Ulrich Costabel, Josune Guzman
- PA2965** **Technology of choosing a place of lung biopsy for disseminated lung interstitial lesions on the base of 3D-modeling**  
Elena Filatova (Ekaterinburg, Sverdlovsk Oblast, Russian Federation), Alexander Bazhenov, Sergey Skornyakov, Igor Medvinsky, Anna Tsvirenko, Roman Berdnikov, Alexander Savelev, Igor Chernyaev, Ilya Obabkov, Viacheslav Shibaev, Ekaterina Eremina, Nikolai Khlebnikov, Oksana Limanovskaia, Oleg Bazhenov
- PA2966** **Effect of 24-month Pirfenidone treatment on functional decline in Idiopathic Pulmonary Fibrosis (IPF) patients with rapid and slow disease progression**  
Davide Biondini (Udine, UD, Italy), Elisabetta Balestro, Elisabetta Coconcelli, Paolo Spagnolo, Marina Saetta, Manuel G. Cosio, Stefania Cerri, Fabrizio Luppi, Enrico Clini, Ivana Castaniere, Maria Pia Foschino Barbaro, Donato Lacedonia, Rosanna Milaneschi

## Amber 3 + 4 (South)

## Session 356

14:45 - 16:45

## Poster Discussion: New pathophysiological insights: intermittent hypoxia, cardiopulmonary function and biomarkers

Chairs : Isaac Almendros (Barcelona, Spain), Chair to be confirmed

- PA2967** **Intermittent hypoxia increases tumor growth in young but not in aged female mice**  
Isaac Almendros (Barcelona, Spain), Marta Torres, David Gozal, Josep Maria Montserrat, Daniel Navajas, Ramon Farré
- PA2968** **TWO WEEKS OF INTERMITTENT HYPOXIC EXPOSURE INDUCE LIPOLYSIS AT THE FAT TISSUE LEVEL IN HEALTHY HUMAN SUBJECTS.**  
Netchitaïlo Marie (Rouen, France), Netchitaïlo Marie, Fabre Fanny, Briançon Anne, Belaidi-Corsat Elise, Arnaud Claire, Borel Anne-Laure, Lévy Patrick, Pépin Jean-Louis, Tamisier Renaud
- PA2969** **Chronic intermittent hypoxia induces the long-term facilitation of genioglossus corticomotor activity.**  
Ying Zou (shenyang, China), Wei Wang
- PA2970** **Peri-pharyngeal muscle activity during increasing respiratory efforts in awake young and older healthy subjects and patients with OSA.**  
Arie Oliven (Haifa, Israel), Guy Cohen, Ron Oliven, Alan Schwartz
- PA2971** **Upper airway stability in wakefulness and during sleep**  
Mohamad Ammar Alb dewi (Liege, Belgium), Giuseppe LIISTRO
- PA2972** **Validation of mandibular movements as a surrogate marker for sleep respiratory effort**  
Jean-Benoit Martinot (Namur, Belgium), Nam Le Dong, Stéphane Denison, Valérie Cuthbert, Phililp Silkoff, David Gozal, Jean-Louis Pepin, Jean-Christophe Borel
- PA2973** **Respiratory activity of four abdominal muscles during hypoxia**  
Emily Easton (Calgary, Canada), Michael Ji, Paul Easton, Tadashi Abe, Takumi Yamada, Masanori Yokoba, Masato Katagiri
- PA2974** **Impact of sleep onset on hemodynamic parameters in obese patients with or without obstructive sleep apnea**  
Richard Staats (Murches, Portugal), Ines Barros, João Maroco, Dina Grencho, Susana Moreira, João Valenca, Paula Pinto, Cristina Barbara, Ana Filipa Matos

- PA2975 Association of sleep-disordered breathing and disturbed cardiac repolarization in patients with coronary artery bypass grafting**  
Christina Schmidleitner (Regensburg, Germany), Michael Arzt, Sarah Ripfel, Miriam Fauser, Teresa Weizenegger, Bernhard Floerchinger, Daniele Camboni, Sigrid Wittmann, Christof Schmid, Lars S Maier, Stefan Wagner, Christoph Fisser
- PA2977 Serum Heparanase Levels are Associated with Endothelial Dysfunction and Severity of Obstructive Sleep Apnea Syndrome**  
Asiye Kanbay (Kayseri, Turkey), Halil Ibrahim Yakar, Serçin Ozkok, Abdullah Ozkok, Mumtaz Takir
- PA2978 Roles of periostin in patients with severe obstructive sleep apnea**  
Hironobu Sunadome (Kyoto, Japan), Hisako Matsumoto, Ryo Tachikawa, Takeshi Matsumoto, Kiminobu Tanizawa, Toru Oga, Kenji Izuhara, Kazuo Chin, Junya Ono, Shoichito Ohta
- PA2979 Circulating survivin levels in patients with obstructive sleep apnea**  
Zsófia Lázár (Budapest, Hungary), Péter Horváth, Gabriella Gálffy, Rita Puskás, György Losonczy, László Kunos, András Bikov
- PA2980 Effect of repeated altitude exposure on nocturnal breathing disturbances in lowlanders.**  
Michael Furian (Zürich, Switzerland), Sara E. Hartmann, Lara Muralt, Mona Lichtblau, Patrick R. Bader, Jean M. Rawling, Silvia Ulrich, Marc J. Poulin, Konrad E. Bloch
- PA2981 Antioxidative treatment for dampened hypoxic ventilatory reactivity in diabetes.**  
Mieczysław Pokorski (Opole, Poland)

Amber 5 + 6 (South)

Session 357

14:45 - 16:45

**Poster Discussion: Smoking and health hazards**

Tag(s) : Smoking prevention and cessation (HLFL)

Chairs : Keir E. Lewis (Llanelli, United Kingdom), Paraskevi Katsaounou (Athens, Greece)

- PA2982 Association of smoking with myocardial triglyceride deposition assessed by protons spectroscopy technique**  
Thais Garcia (BOTUCATU/SP, Brazil), Ana Natalia Ribeiro Batista, Thyego Mychell Moreira dos Santos, José William Zucchi, Laura de Oliveira Caram, Talita Jacon Cezare, Paula Schmidt Azevedo Gaiola, Suzana Erico Tanni
- PA2983 The Importance of Mean Platelet Volume in Evaluating Cardiovascular Diseases among Patients with COPD**  
Hatice Kökçü (Ankara, Turkey), Funda Karaduman, Cantürk Kaya, Aysegül Sentürk, Tuba Özüoğlu, Habibe Hezer, Emine Argüder, Aysegül Karalezli, Canan Hasanoğlu
- PA2984 Healthy smokers at risk for cardiovascular disease: the usefulness of left ventricular function and metabolic status evaluation.**  
Cristina Vicol (VALEA LUPULUI/ IASI, Romania), Ovidiu Rusalim Petris, Milena Adina Man, Adina Magdalena Turcanu, Ioana Buculei, Antigonă Carmen Trofor
- PA2985 Are severe asthmatics still smoking?**  
Paraskevi Katsaounou (Athens, Greece), Michael E Hyland, Lorena Garcia Conde, Matthias Gasser, Ismail Kasujee
- PA2986 Tobacco cessation program (TCP) within pulmonary rehabilitation (PR) of asthmatics**  
Konrad Schultz (Bad Reichenhall, Germany), Michael Wittmann, Rupert Wagner, Hildegard Seidl, Dennis Nowak, Michael Schuler
- PA2987 Influence of respiratory and cardiovascular diseases on smoking cessation.**  
Natalia Fouz Rosón (Barcelona, Spain), Natalia Fouz Rosón, Carolina Panadero-Paz, Cristina Benito-Bernáldez, Pedro Juan Rodríguez-Martín, Virginia Almadana-Pacheco, Teodoro Montemayor-Rubio
- PA2988 Correlations between lung function, exhaled carbon monoxide and „lung age” in smokers versus former smokers with COPD**  
Letitia Trofor (Iasi, Romania), Ramona Miron, Milena Adina Man, Ionela-Alina Grosu, Antigonă Carmen Trofor
- PA2989 Analysis of ratio of ACOS in elderly asthmatic patients with smoking history**  
Akinori Ebihara (Tokyo, Japan), Asuka Nagai, Atsushi Suga, Tokuzen Iwamoto, Ichiro Kuwahira
- PA2990 Quitting smoking following a diagnosis of lung cancer from the perspectives of patients and professionals**  
Rachel Gemine (Llanelli, United Kingdom), Keir Lewis
- PA2991 Clinical consideration and lung function in different groups of COPD patients (smokers, ex-smokers, nonsmokers)**  
Gabriela Jimborean (Targu Mures/Mures, Romania), Paraschiva Postolache, Edith Simona Ianosî, Oana Arghir
- PA2992 Smoking and alteration of the healing of the oral mucosa at the end of a surgical operation**  
imen youssef (sousse, Tunisia), sana Aissa, wafa Benzarti, imen Gargouri, Ahmed Abdelghani, Mohamed benzarti

- PA2993** **Effects of smoking on the oral cavity**  
imen youssef (sousse, Tunisia), sana aissa, wafa benzarti, imen gargouri, ahmed abdelghani, sonia mezghani, mohamed benzarti
- PA2994** **Non-small cells lung cancer (NSCLC) in non-smokers (NS) – sharing experience**  
Rita Boaventura (PORTO, Portugal), Leonor Meira, Vanessa Santos, David Araújo, Ana Verónica Cardoso, Maria Jacob, Gabriela Fernandes, Adriana Magalhães, António Morais, Henrique Queiroga, Venceslau Hespanhol
- PA2995** **Prevalence and reasons for smoking in adolescent Swiss childhood cancer survivors**  
Rahel Kasteler (Bern, Switzerland), Fabiën Belle, Fabienne Gumy-Pause, Eva M Tinner, Claudia Kuehni
- PA2996** **Investigation of the relationship between cigarette consumption and body mass index in individuals without chronic lung disease**  
Ilknur Naz (Izmir, Turkey), Naime Taşdöğen, Hulya Sahin, Enver Yalınöz
- PA2997** **Determinants of smoking status of patients with lung or head and neck cancer, at diagnosis and one year after**  
Corinne Vannimenes (Croix, France), Hélène Bricout, Dienabou Sylla, Florence Richard, Gautier Iefebvre, Benjamin Rolland
- PA2998** **Comparisons of cigarette smoking and non-smoking ankylosing spondylitis patients on disease severity and quality of life**  
Seyhan Dülger (BURSA, Turkey), Ilknur Karlıbel, Tekin Yildiz, Lale Altan İnceoğlu, Ozlem Sengoren Dikis, Meliha Kasapoglu Aksoy
- PA2999** **Toxic effect of smoking on right and left heart function assessed by cardiac magnetic resonance.**  
Ana Natalia Ribeiro Batista (Bauru, Brazil), Thais Garcia, André Luis Bertani, Estefania Aparecida Thomé Franco, Mauricio Fregonesi Barbosa, Irma de Godoy, Suzana Erico Tanni

Amber 7 + 8 (South)

Session 358

14:45 - 16:45

**Poster Discussion: Discussion of techniques and technologies in lung function**

Chairs : Felip Burgos Rincon (Barcelona, Spain), Brendan Cooper (Edgbaston, Birmingham, United Kingdom)

- PA3000** **Maximal Heart rate (HRmax) prediction equations: Simple solution to estimating exercise intensity!**  
Adrian Hugh Kendrick (Bristol, United Kingdom)
- PA3001** **The Inter-operator Variability in Determining the Anaerobic Threshold (AT) after Pre-operative Cardiopulmonary Exercise Testing (CPET)**  
Edward Parkes (Birmingham, United Kingdom), Vicky Moore
- PA3002** **Vyntus CPX compared to Oxycon pro shows equal gas-exchange and ventilation during exercise**  
Herman Groepenhoff (Lijnden, Netherlands), Ronald C. de Jeu, Robert Schot
- PA3003** **Systematic differences in lung function outcomes in a new lung function lab.**  
Ellie Oostveen (Edegem (Antwerp), Belgium), Kevin De Soomer, Charlotte Adriaensen, Karla Leemans, Wilfried De Backer
- PA3004** **Test of independence between the membrane and the blood components of DLCO**  
Bernard Sapoval (Palaiseau, France), Min-Yeong Kang, Hervé Guénard, Bernard Sapoval
- PA3005** **Could lung diffusion level for carbon monoxide be predicted in young elite athletes?**  
Biljana Lazovic (Beograd, Republic of Serbia), Mirjana Zlatkovic-Svenda, Jelena Grbovic, Vesna Djuric, Branislava Milenkovic, Vladimir Zugic
- PA3006** **Intra-session and inter-session variability of nitric oxide pulmonary diffusing capacity in patients with cystic fibrosis**  
Thomas Radtke (Zürich, Switzerland), Christian Benden, Marion Maggi-Beba, Susi Kriemler, Ivo van der Lee, Holger Dressel
- PA3007** **Time of maximal spirometric change after bronchodilator inhalation**  
Matthew Hegewald (Murray, United States of America), Stacy Bomberg, Olinto Linares-Perdomo, Robert Jensen, Alan Morris
- PA3008** **In silico study on the impact of heterogeneous narrowing of small airways on spirometry results**  
Adam Polak (Wrocław, Poland), Dariusz Wysoczyński, Janusz Mroczyński
- PA3009** **Using resting lung function to predict the response to altitude simulation in motor neuron disease**  
Danny Brazzale (Macleod, Australia), Warren Ruehland, Mark Howard, Peter Rochford

- PA3010** **Appropriateness of streamlining non-invasive respiratory muscle assessments in patients with Motor Neurone Disease**  
Janina Mallari (Cambridge, United Kingdom), Karl Sylvester
- PA3011** **Use of a contactless optical device (Structured Light Plethysmography (SLP)) to quantify and record breathing parameters.**  
Panagiotis Sakkatos (Southampton, United Kingdom), Anne Bruton, Anna Barney
- PA3012** **The use of structured light plethysmography in children with neuromuscular disease.**  
Michael Shields (Belfast, United Kingdom), Orla Logue, Kate Donnan, Deborah Fleck, Ciara Hughes
- PA3013** **A novel device for the measurement of carbon dioxide during tidal breathing in COPD**  
Karl Sylvester (Cambridge, United Kingdom), Julian Carter, Jeremy Walsh, John Foord, Ravi Mahadeva, John Altrip
- PA3014** **Plethysmographic measurement of intrinsic PEEP in stable COPD patients at rest**  
Dejan Radovanovic (Milan, Italy), Camilla Ziliani, Pierachille Santus, Matteo Pecchiari
- PA3015** **First fully clinically oriented report in body plethysmography utilizing resistance-volume charts**  
Hans-Juergen Smith (Hoechberg, Germany), Darren Murray
- PA3016** **Measuring respiratory function using a novel device in healthy volunteers**  
Håvard Andreassen Sæverud (Oslo, Norway), Håvard Andreassen Sæverud, Morten Eriksen, Anne Waaler, Adam Stuart Dowrick, Sigurd Aarrestad, Ole Henning Skjønsberg
- PA3017** **Patient anxiety in lung function testing.**  
Jellien Makonga-Braaksma (Woudenberg, Netherlands), Roelie van Winkoop-Ruitenbergh, Pieterneel Pasker-de Jong

## Blue 1 (North)

## Session 359

14:45 - 16:45

## Poster Discussion: To freeze or heat?

Chairs : Gregoris Stratakos (Athens, Greece)

- PA3018** **Transbronchial lung cryobiopsy in the diagnosis of hypersensitivity pneumonitis**  
Eva Filipa de Sousa Antunes Dias Padrão (Braga, Portugal), Eva Filipa de Sousa Antunes Dias Padrão, Patrícia Caetano Mota, Natália Melo, Susana Guimarães, Conceição Souto Moura, Adriana Magalhães, António Moraes
- PA3019** **Transbronchial lung cryobiopsy: associated complications**  
Rita Linhas (Porto, Portugal), Raquel Marçôa, Sérgio Campainha, Ana Oliveira, José Almeida, Sofia Neves
- PA3020** **Diagnostic yield and safety of transbronchial lung cryobiopsy for diagnosis of interstitial lung disease**  
Michelle Tan (Adelaide, SA, Australia), Khin Hnin, Dion Grosser, Brian Smith
- PA3021** **Efficacy and safety of transbronchial cryobiopsy in interstitial lung diseases**  
Ahmed Ehab (Mansoura, Egypt), Mohammad Khairy El-Badrawy, Amr Abdelhamed Moawad, Mohammad Eldesoky Abo-Shehata
- PA3022** **The role of cryotherapy for obstructive endobronchial lesions: a review**  
Julia Beeson (Uxbridge, United Kingdom), Omar Maiwand, Vladimir Anikin
- PA3023** **Diagnostic yield of transbronchial lung cryobiopsy in interstitial lung diseases**  
Ana Raquel Caldas Marçôa (Matosinhos, Portugal), Rita Linhas, Dulce Apolinario, Ana Oliveira, Carla Nogueira, Ana Loureiro, José Almeida, Filomena Costa, Agostinho Sanches, Sofia Neves
- PA3024** **Radial EBUS guided transbronchial cryobiopsy for diagnosis of middle third lung lesions.**  
Mohamed Samy Abdelmegeed Torky (Tanta, Egypt), Felipe Andreo, Patricia Raya, Pere Serra, Carmen Centeno, Jose Sanz-Santos, Raquel López-Martos, Jose Luis Mate, Ignasi Garcia-Olivé, Pedro López De Castro, Juan Ruiz-Manzano
- PA3025** **Transbronchial Lung cryobiopsy in lung diseases: diagnostic yield and safety.**  
Sara Colella (Teramo, TE, Italy), Chiara Massaccesi, Federica Fioretti, Gianluca Panella, Gian Luca Primomo, Vittorio D'Emilio, Riccardo Pela
- PA3026** **A new diagnostic approach for interstitial lung diseases: Cryobiopsy**  
Kemal Can Tertemiz (Izmir, Turkey), Volkan Karaçam, Aylin Ozgen Alpaydin, Eyup Sabri Ucan
- PA3027** **Airway smooth muscle mass reduction after Bronchial Thermoplasty; the TASMA randomized controlled trial.**  
Julia N. S. d'Hooghe (Amsterdam, Netherlands), Julia N. S. D'Hooghe, N.H.T. ten Hacken, J.J.T.H. Roelofs, J.T. Annema, P.I. Bonta

- PA3028** **Reduction of bronchial wall thickness and hyperinflation on quantitative CT after bronchial thermoplasty for severe asthma**  
Maren Schuhmann (Heidelberg, Germany), Philip Konietzke, Mark Wielpütz, Oliver Weinheimer, Philine Kaukel, Ralf Eberhardt, Felix JF Herth, Claus P Heussel
- PA3029** **Clinical response of severe asthma patients following Bronchial Thermoplasty.**  
Julia N. S. d'Hooghe (Amsterdam, Netherlands), Julia N. S. d'Hooghe, E.J.M Weersink, N.H.T. ten Hacken, J.T. Annema, P.I. Bonta
- PA3030** **BT10+ study design: 10 year follow-up of subjects receiving bronchial thermoplasty (BT) in 3 randomized controlled studies**  
Rekha Chaudhuri (Glasgow, United Kingdom), Michel Laviolette, Robert Niven, Stephen Bicknell, Michael E Wechsler, Monica Kraft, Christopher E Brightling, Frances Nolan, Charlene McEvoy
- PA3031** **Clinical and histological effects of Bronchial Thermoplasty in severe asthma**  
Richard Russell (Nuneaton, United Kingdom), Richard Russell, Amisha Singapuri, Rachid Berair, Latifa Chachi, Vijay Mistry, Adel Mansur, Peter Howarth, Rekha Chaudhuri, Stephen Bicknell, Neil Martin, Salman Siddiqui, Chris Brightling, Paddy Dennison
- PA3032** **Characteristics of patients undergoing bronchial thermoplasty for severe asthma in the United Arab Emirates**  
Yaser Abu El Sameed (Abu Dhabi, United Arab Emirates), Govinda Bodi, Mateen Uzbeck, Ali Wahla, Irfan Shafiq, Mohsen Nasir, Mohamed Abuzakouk, Zaid Zoumot

Blue 2 (North)

Session 360

14:45 - 16:45

## Poster Discussion: Human susceptibility to tuberculosis

Chairs : Graham H. Bothamley (London, United Kingdom), Delia Goletti (Roma, Rm, Italy)

- PA3033** **HLA-DRB homozygosity negatively affects the Interferon gamma release assay response to Mycobacterium tuberculosis antigens**  
Andreas Fløe (Århus V, Denmark), Andreas Fløe, Hans Jürgen Hoffmann, Christian Wejse, Christian Erikstrup, Liselotte Brix, Ole Hilberg
- PA3034** **In silico analysis of tuberculosis and multiple sclerosis gene expression profiles reveals coregulated genes implicated in host response to pathogens.**  
George Vavougiou (Larissa, Greece), Panagiotis Tavlas, Konstantinos Gourgoulisanis, Sotirios Zarogianis
- PA3035** **Association between IL-2,IL-4 gene polymorphisms and pulmonary MDRTB**  
Tatiana Butova (Kharkiv, Ukraine), Mykhailo Kuzhko, Dmytro Butov, Nataliya Piriatsinskaa
- PA3036** **Association between N-acetyltransferase 2 polymorphism and antituberculosis drug-induced liver injury risk: a meta-analysis**  
Sitong Liu (, China), Xin Yang, Xiang Tong, Yao Ma, Zhipeng Yan, Hong Fan
- PA3038** **Modulation of CD4 and CD8 response to QuantiFERON-TB-Plus in active TB patients followed during treatment.**  
Teresa Chiacchio (ROMA, RM, Italy), Elisa Petruccioli, Valentina Vanini, Ilaria Pepponi, Daniela Cirillo, Fabrizio Palmieri, Giuseppe Ippolito, Delia Goletti
- PA3039** **Characterization of the HBHA response in TB patients with or without HIV infection.**  
Teresa Chiacchio (ROMA, RM, Italy), Valentina Vanini, Giovanni Delogu, Gilda Cuzzi, Carmela Pinnetti, Alessandro Sampaolesi, Andrea Antinori, Delia Goletti, Flavio De Maio
- PA3040** **Role of detection of lipoarabinomannan (LAM) in urine for diagnosis of tuberculosis in HIV patients; Egyptian experience**  
Asem Hewidy (Mansoura, Egypt), Ahmed Elmorsy, Nessrin Shalaby, Mohamed Zaghoul, Nagwa Elhalawany, Heba Elshahawy, Amal Fathy
- PA3041** **?cute phase proteins in patients with pulmonary tuberculosis combined with diabetes mellitus.**  
Rizvan Abdullaev (Moscow, Russian Federation), Oksana Komissarova, Olga Berejnaya
- PA3042** **Effect of low-dose aspirin in a murine model of active tuberculosis**  
Vera Marie Kroesen (Bramsche, Germany), Eric García, Gustavo Tapia, Jorge Díaz, Pere-Joan Cardona, Cristina Vilaplana
- PA3043** **Does the age affect the diagnostic yield of different biomarkers in differentiation between tuberculous and non-tuberculous pleural effusions?**  
Piotr Korczyński (Warszawa, Poland), Joanna Klimiuk, Aleksandra Safianowska, Rafal Krenke
- PA3044** **Characteristics and therapeutic outcomes of pulmonary tuberculosis in the elderly .**  
Islam Mejri Ep Ajili (Hammamlif Ben Arous, Tunisia), Soumaya Ben Saad, Lamine Megdiche, Hafaoua Daghfous, Fatma Tritar

- PA3045 Comparison of adverse effects in tuberculosis patients over 80 years of age with and without pyrazinamide treatment**  
Takio Takaku (Ibaraki, Japan), Takefumi Saito, Kenji Nemoto, Shuji Oishi, Kenji Hayashihara
- 
- PA3046 Tuberculosis severity and its association with pathogen phylogeny and properties**  
Helder Novais Bastos (Braga, Portugal), Henrique Machado, Jeremy Sousa, Maria Isabel Veiga, Angélica Ramos, Teresa Carvalho, Fernando Rodrigues, António Gil Castro, Nuno Osório, João Tiago Guimarães, Margarida Saraiva
- 
- PA3047 Molecular-genetic characteristic of Mycobacterium tuberculosis isolated from HIV- infected people in Ural region, Russia**  
Diana Vakhrusheva (Ekaterinburg, Sverdlovsk Oblast, Russian Federation), Tatyana Umpeleva, Natalya Eremeeva, Xeniya Belousova, Svetlana Krasnoborova
- 
- PA3048 VALIDITY AND RELIABILITY OF TST AND T-SPOT EXAMINATION TO DETECT LATENT TB INFECTION IN HIV INFECTED PATIENTS**  
Reviono Reviono (Surakarta, Central Java, Indonesia), Harsini Harsini
- 
- PA3049 Radiographic manifestations of tuberculosis in HIV co-infected patients and correlation of the findings with CD4 counts.**  
Rajendra Prasad Takhar (Kota (Rajasthan), India), Motilal Bunkar, Lokesh Maan, Anil Saxena, Suman Khangarot
- 
- PA3050 Recurrent tuberculosis among HIV infected persons in Singapore**  
Suay Hong Gan (Singapore, Singapore), Kyi Win KhinMar, Cynthia Bin Eng Chee, Yee Tang Wang

17:15-19:15

INDUSTRY EVENING SYMPOSIUM

SEE PAGE 1

17:30-19:00

INDUSTRY EVENING MINI SYMPOSIUM

SEE PAGE 1

No Room

Session 377

18:00 - 21:00

Public: Patient "meet the expert"Palazzo Reale - Milan centre

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|-------|---|------|
| 18:30 | <b>Welcome - Dan Smyth</b><br>Dan Smyth (Dundalk, Ireland)  | 3132 |
| 18:35 | <b>Healthy Lungs for Life - breathe clean air outdoors</b><br>Francesco Forastiere (Roma, Rm, Italy)  | 3133 |
| 19:00 | <b>Healthy Lungs for Life – breathe clean air at work</b><br>Sara De Matteis (London, United Kingdom)   | 3134 |
| 19:30 | <b>“Living Smokefree” - Round table discussion on smoking cessation</b><br>Roberto Boffi (Milan, Italy), Silvia Novello (Orbassano (To), Italy) | 3135 |
| 20:15 | <b>Presentation of EPAP in Italian</b>  | 3136 |

**Yellow (North) Session 378 07:00 - 08:15***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Challenging clinical cases: CC6 Is it truly pulmonary arterial hypertension?****Aims :** Access educational materials here

The diagnosis of pulmonary arterial hypertension is becoming more complex because patients present with more comorbidities. These comorbidities range from metabolic syndrome to coronary artery disease and/or mild lung parenchymal diseases. The aim of this session is to present three different cases of patients who were referred for treatment of PAH that may have developed via different pathophysiological mechanisms.

**Track(s) :** Interstitial lung disease and vascular disease**Tag(s) :** Clinical

**Target audience :** Clinician, Emergency medicine doctor, Fellow, General practitioner, Intensivist/critical care physician, Junior member, Nurse, Patient, Pharmaceutical industry representative, Pulmonologist, Radiologist, Resident, Researcher, Respiratory physician, Respiratory therapist, Scientist, Student, Trainee

**Chairs :** Olivier Sitbon (Le Kremlin-Bicêtre, France)

<b>Case 1: Is it lung parenchyma-associated pulmonary hypertension or PAH?</b> Joan Albert Barberà (Barcelona, Spain)	<b>3137</b>
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<b>Case 2: Is it left ventricular dysfunction or PAH?</b> Jean-Luc Vachier (Bruxelles, Belgium)	<b>3138</b>
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<b>Case 3: Is it a systemic disorder or PAH?</b> Sean Gaine (Dublin, Ireland)	<b>3139</b>
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**Amber 5 + 6 (South) Session 379 07:00 - 08:15***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Challenging clinical cases: CC7 Pneumonia, pneumonitis, or progressive disease during immunotherapy in lung cancer?****Aims :** Access educational materials here

Immunotherapy in advanced NSCLC is advancing to a new standard of care and is currently being administered more frequently and to a broader patient population. The aim of this session is to present three different cases of lung cancer lesions that were treated with immunotherapy and exhibited radiological progression that was due to pneumonia, pneumonitis, or tumour disease progression.

**Track(s) :** Lung cancer**Tag(s) :** Clinical

**Target audience :** Allergologist, Clinician, Emergency medicine doctor, Fellow, General practitioner, Immunologist, Intensivist/critical care physician, Junior member, Microbiologist, Nurse, Oncologist, Pathologist, Patient, Pharmaceutical industry representative, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, Thoracic endoscopist, Thoracic surgeon, Trainee

**Chairs :** Achim Rittmeyer (Immenhausen, Germany)

<b>Case 1: Is it pneumonia, pneumonitis, or progressive disease?</b> Bogdan Dragos Grigoriu (Bruxelles, Belgium)	<b>3140</b>
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<b>Case 2: Is it pneumonia, pneumonitis, or progressive disease?</b> Dragana M. Jovanovi (Beograd, Republic of Serbia)	<b>3141</b>
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<b>Case 3: It is ...</b> Klimentini Bostantzoglou (Athens, Greece)	<b>3142</b>
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**Blue 1 (North) Session 380 07:00 - 08:15***Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.***Challenging clinical cases: CC8 Noninvasive respiratory aids for continuous support in neuromuscular disorders****Aims :** Access educational materials here

To describe how to set up non-invasive ventilation that is complemented by assisted cough techniques, thereby safely extending the full-time non-invasive support of neuromuscular disease patients and avoiding tracheostomy/invasive ventilation.

**Track(s) :** Acute and chronic respiratory failure/sleep**Tag(s) :** Clinical**Target audience :** Intensivist/critical care physician, Nurse, Physiotherapist, Pulmonologist, Respiratory therapist**Chairs :** João Carlos Winck (Vila Nova de Gaia, Portugal)

**Chronic respiratory failure in a patient with ALS** 3143  
Capucine Morelot-Panzini (La Varenne St-Hilaire, France)

**Chronic respiratory failure in a patient with chest wall deformity** 3144  
Collette Menadue (Leichhardt, NSW, Australia)

**Green 1 (North) Session 381 08:00 - 10:20**

*Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.*

**Skills workshop: SW13 Clinical, radiological and pathological correlations in lung diseases**

**Aims :** Access educational materials here

To demonstrate and discuss the clinical, radiological and pathological correlations in different lung diseases (lung emphysema, interstitial fibrosis and lung cancer) with experienced and less experienced participants.

**Track(s) :** Lung cancer Chronic airway diseases Interstitial lung disease and vascular disease

**Tag(s) :** Clinical

**Target audience :** Anaesthesiologist, Fellow, General practitioner, Junior member, Nurse, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Scientist, Student, Thoracic surgeon, Trainee, Oncologist

**Chairs :** Philipp A. Schnabel (Homburg/Saar, Germany)

**Introduction** 3145

**Lung emphysema** 3146  
James Hogg (Vancouver, BC, Canada)

**Interstitial fibrosis** 3147  
Sara Tomassetti (Forlì, FO, Italy)

**Lung cancer** 3148  
Sebastian Ley (Munich, Germany)

**Pathology of lung emphysema, interstitial fibrosis and lung cancer** 3149  
Giulio Rossi (Modena, Italy)

**Green 1 (North) Session 407 10:40 - 13:00**

*Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.*

**Skills workshop: SW15 Clinical, radiological and pathological correlations in lung diseases**

**Aims :** Access educational materials here

To demonstrate and discuss the clinical, radiological and pathological correlations in different lung diseases (lung emphysema, interstitial fibrosis and lung cancer) with experienced and less experienced participants.

**Track(s) :** Lung cancer Chronic airway diseases Interstitial lung disease and vascular disease

**Tag(s) :** Clinical

**Target audience :** Anaesthesiologist, Fellow, General practitioner, Junior member, Nurse, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Scientist, Student, Thoracic surgeon, Trainee, Oncologist

**Chairs :** Bogdan Dragos Grigoriu (Bruxelles, Belgium)

**Introduction** 3353

**Lung emphysema** 3354  
Hans-Ulrich Kauczor (Heidelberg, Germany)

**Interstitial fibrosis** 3355  
Catherine Beigelman-Aubry (Lausanne, Switzerland)

**Lung cancer** 3356  
Walter De Wever (Leuven, Belgium)

**Pathology of lung emphysema, interstitial fibrosis and lung cancer** 3357  
Annette Fisseler-Eckhoff (Wiesbaden, Germany)

**Green 3 (North) Session 408 10:40 - 13:00**

*Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.*

**Skills workshop: SW16 Difficult airway management in the intensive care unit**



**Aims :** Access educational materials here

To provide an opportunity to receive hands-on training in managing difficult airways with supraglottic devices, fiberoptic techniques and video-assisted intubation.

**Track(s) :** Acute and chronic respiratory failure/sleep

**Tag(s) :** Clinical

**Target audience :** Clinician, Emergency medicine doctor, Intensivist/critical care physician, Nurse, Pulmonologist, Respiratory physician

**Chairs :** Cesare Gregoretti (Turin, Italy)

<b>Introduction</b>	<b>3358</b>
<b>How to prepare a safe endotracheal intubation</b> Laszlo Szegedi (Dilbeek, Belgium), Christian Bruells (Aachen, Germany)	<b>3359</b>
<b>Videolaryngoscopes and nasal/oral fiberoptic guided intubation for elective intubation</b> Mohamed El Tahan (Al Khobar, Saudi Arabia), Cesare Gregoretti (Turin, Italy)	<b>3360</b>
<b>Devices for lung separation and/or isolation</b> Nandor Marczin (Harefield, United Kingdom), Mert Senturk ( STANBUL, Turkey)	<b>3361</b>
<b>Tracheostomy in the ICU: indications and techniques</b> Massimiliano Sorbello (Catania, Italy)	<b>3362</b>

### Green 1 (North) Session 484 14:30 - 16:50

*Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.*

#### Skills workshop: SW17 Clinical, radiological and pathological correlations in lung diseases

**Aims :** To demonstrate and discuss the clinical, radiological and pathological correlations in different lung diseases (lung emphysema, interstitial fibrosis and lung cancer) with experienced and less experienced participants.

**Track(s) :** Lung cancer Chronic airway diseases Interstitial lung disease and vascular disease

**Tag(s) :** Clinical

**Target audience :** Anaesthesiologist, Fellow, General practitioner, Junior member, Nurse, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Scientist, Student, Thoracic surgeon, Trainee, Oncologist

**Chairs :** Bogdan Dragos Grigoriu (Bruxelles, Belgium)

<b>Introduction</b>	<b>4352</b>
<b>Lung emphysema</b> James Hogg (Vancouver, BC, Canada)	<b>4353</b>
<b>Interstitial fibrosis</b> Sara Tomassetti (Forlì, FO, Italy)	<b>4354</b>
<b>Lung cancer</b> Sebastian Ley (Munich, Germany)	<b>4355</b>
<b>Pathology of lung emphysema, interstitial fibrosis and lung cancer</b> Giulio Rossi (Modena, Italy)	<b>4356</b>

### Green 3 (North) Session 486 14:30 - 16:50

*Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.*

#### Skills workshop: SW18 Difficult airway management in the intensive care unit

**Aims :** To provide an opportunity to receive hands-on training in managing difficult airways with supraglottic devices, fiberoptic techniques and video-assisted intubation.

**Track(s) :** Acute and chronic respiratory failure/sleep

**Tag(s) :** Clinical

**Target audience :** Clinician, Emergency medicine doctor, Intensivist/critical care physician, Nurse, Pulmonologist, Respiratory physician

**Chairs :** Mohamed El Tahan (Al Khobar, Saudi Arabia)

<b>Introduction</b>	<b>4362</b>
<b>How to prepare a safe endotracheal intubation</b> Christian Bruells (Aachen, Germany)	<b>4363</b>

**Videolaryngoscopes and nasal/oral fiberoptic guided intubation for elective intubation** 4364  
Cesare Gregoratti (Turin, Italy), Mohamed El Tahan (Al Khobar, Saudi Arabia)

**Devices for lung separation and/or isolation** 4365  
Nandor Marczin (Harefield, United Kingdom), Laszlo Szegedi (Dilbeek, Belgium)

**Tracheostomy in the ICU: indications and techniques** 4366  
Massimiliano Sorbello (Catania, Italy), Mert Senturk (ISTANBUL, Turkey)

**Amber 3 + 4 (South) Session 473 13:00 - 14:00**

*Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.*

**Meet the expert: ME9 Boosting immunotherapy in lung cancer**  
**What are the latest strategies to overcome immune tolerance?**

**Aims :** Access educational materials here

Immunotherapy has already developed to a new life-prolonging therapeutic backbone in advanced non-small cell lung cancer with significantly life-prolonging checkpoint-inhibitors available not only for second line but also first line therapy in routine care. The aim of this session is to provide a most current and comprehensive update as well as a future perspective on the advanced use of established and new immunotherapeutic drugs in lung cancer. The emphasis is on the combination of immunotherapeutic drugs with present treatment modalities such as other systemic therapies or radiotherapy since these seem to bear the potential to booster immunotherapy.

**Track(s) :** Lung cancer

**Tag(s) :** Clinical

**Target audience :** Clinician, General practitioner, Immunologist, Junior member, Nurse, Oncologist, Pathologist, Patient, Pharmaceutical industry representative, Physiotherapist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Scientist, Student, Thoracic endoscopist, Thoracic surgeon, Trainee

**Chairs :** Chair to be confirmed

**13:00 Boosting immunotherapy in lung cancer** 4324  
Jacques Cadranel (Paris, France)

**Amber 7 + 8 (South) Session 474 13:00 - 14:00**

*Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.*

**Meet the expert: ME10 Pleuroparenchymal fibroelastosis: what have we learned from lung transplantation?**

**Aims :** Access educational materials here

To describe this entity clearly, including its aetiologies, clinical presentations, outcomes, and treatment options.

**Tag(s) :** Clinical

**Target audience :** Pulmonologist, Radiologist, Thoracic surgeon

**Chairs :** Peter George (London, United Kingdom)

**13:00 Pleuroparenchymal fibroelastosis: what have we learned from lung transplantation?** 4325  
Geert Verleden (Leuven, Belgium)

**Suite 7 (South) Session 475 13:00 - 14:00**

*Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.*

**Meet the expert: ME11 Bedside diaphragm ultrasound in acute or chronic respiratory failure**

**Aims :** To provide the basic knowledge needed to perform and interpret diaphragm ultrasound results in patients with acute or chronic respiratory failure.

**Track(s) :** Acute and chronic respiratory failure/sleep Exercise, rehabilitation and physiology

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Anaesthesiologist, Cardiologist, Clinician, Emergency medicine doctor, Fellow, Intensivist/critical care physician, Junior member, Paediatrician, Physiologist, Physiotherapist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Sleep specialist/technologist, Trainee

**13:00 Bedside diaphragm ultrasound in acute or chronic respiratory failure** 4326  
Pieter Roel Tuinman (Amsterdam, Netherlands)

**Suite 8 (South) Session 476 13:00 - 14:00**

*Registration for this session is additional to the congress registration fee and is €122 on site, €110 standard.*

**Meet the expert: ME12 Comorbidities in lung cancer progression**

**Aims :** The aim of this session is to demonstrate the importance of lung cancer comorbidities, including interstitial lung diseases, chronic obstructive pulmonary disease, and previous or other malignancies. How these various comorbidities affect lung cancer progression and how medications for these other illnesses impact the care of lung cancer patients will be examined.

**Track(s) :** Lung cancer

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Anaesthesiologist, Clinician, Fellow, General practitioner, Junior member, Nurse, Oncologist, Pathologist, Pharmaceutical industry representative, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Scientist, Student, Thoracic endoscopist, Thoracic surgeon

**13:00** **Comorbidities in lung cancer progression** **4327**  
Philipp A. Schnabel (Homburg/Saar, Germany), Nicolas Kahn (Heidelberg, Germany)

## Green 2 (North) Session 485 14:30 - 16:00

*Registration for this session is additional to the congress registration fee and is €49 on site, €43 standard.*

### Professional development workshop: PDW8 Delivering bad news as a multidisciplinary team

**Aims :** The aims of this workshop are (1) to train caretakers to deliver bad news while paying sufficient attention to the following issues: gathering adequate information from the patient, providing the necessary medical information as well as supporting the patient, and collaborating with the patient to develop a strategy or treatment plan for the future; and (2) to describe the value of multidisciplinary team interactions when delivering bad news.

**Target audience :** Pulmonologist, Nurse, Respiratory therapist, Psychologist, Thoracic surgeon, Emergency medicine doctor, Respiratory physician, General practitioner, Intensivist/critical care physician, Otolaryngologist, Trainee

**Chairs :** Stefano Nava (Bologna, Italy)

**Introduction** **4357**  
Stefano Nava (Bologna, Italy)

**Brief repetition of teaching material (SPIKES-protocol, core elements of good communication) within the five groups** **4358**  
Bettina Korn (Dublin, Ireland)

**Analyses of a pre-recorded video depicting a doctor delivering bad news to a patient within the five groups** **4359**  
Dragana M. Jovanovi (Beograd, Republic of Serbia)

**Four own role plays within the five groups together with patients and/or amateur actors that will be video-taped** **4360**  
Georgia Hardavella (London, United Kingdom), Matthew Evison (Manchester, United Kingdom)

**Feedback and summary within the five groups** **4361**  
Stefano Nava (Bologna, Italy)

## Gold (South) Session 383 08:30 - 10:30

### Session: Live endoscopy: Lung cancer and the pleura

**Aims :** Live endoscopy sessions will offer real-time insight in to some of respiratory medicine's most important clinical procedures – providing delegates with an opportunity to witness procedures carried out by experts followed by question and answer sessions. The live endoscopy sessions present fascinating opportunities for clinicians to learn more about a range of endoscopic techniques and discuss their applications and effectiveness.

**Track(s) :** Lung cancer

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Clinician, Fellow, General practitioner, Intensivist/critical care physician, Nurse, Physiologist, Physiotherapist, Psychologist, Radiologist, Student

**Chairs :** Felix J.F. Herth (Heidelberg, Germany), Nick Maskell (Bristol, United Kingdom), Martina Bonifazi (Ancona, AN, Italy)

**08:30** **Introductory lecture: bronchoscopy & endosonography in lungcancer** **3155**  
Felix J.F. Herth (Heidelberg, Germany)

**08:40** **Bronchoscopy and conventional transbronchial needle aspiration (TBNA)** **3156**  
Semra Bilaceroglu (Izmir, Turkey), Stefano Gasparini (Ancona, Italy)

**08:55** **EBUS-TBNA and EUS-B-FNA for lung cancer staging** **3157**  
Jouke T. Annema (Amsterdam, Netherlands), Rocco Trisolini (Bologna, BO, Italy)

**09:15** **Introductory lecture: thoracoscopy** **3158**  
Nick Maskell (Bristol, United Kingdom)

09:25	<b>Transthoracic ultrasound and the pleura</b> Najib M. Rahman (Oxford, United Kingdom), Federico Mei (Fano, PU, Italy)	3159
09:40	<b>EBUS miniprobe for peripheral nodule</b> Ales Rozman (Golnik, Slovenia), Maren Schuhmann (Heidelberg, Germany)	3160
09:55	<b>Rigid thoracoscopy</b> Giampietro Marchetti (Castelmella, Italy), Marios E. Froudarakis (Alexandroupolis, Greece), Najib M. Rahman (Oxford, United Kingdom)	3161
10:15	<b>MCQ and Concluding remarks</b> Felix J.F. Herth (Heidelberg, Germany), Nick Maskell (Bristol, United Kingdom)	3162

## Auditorium (South) Session 384 08:30 - 10:30

### Year in review: Scientific year in review

**Aims :** This session will provide a state-of-the-art overview and discussion on selected key scientific topics in respiratory research.

**Track(s) :** Chronic airway diseases Respiratory infections

**Tag(s) :** Basic translational science

**Target audience :** Fellow, Immunologist, Junior member, Microbiologist, Oncologist, Paediatrician, Pathologist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Scientist, Thoracic endoscopist

**Chairs :** Pieter S. Hiemstra (Leiden, Netherlands), Ian M. Adcock (London, United Kingdom)

08:30	<b>Ceremony for ERS Romain Pauwels Research Award</b> Ian M. Adcock (London, United Kingdom), Pieter S. Hiemstra (Leiden, Netherlands)	3163
08:40	<b>From the bench: promising new targets and molecules. Mesenchymal stromal cells</b> Jan Stolk (Leiden, Netherlands)	3164
09:07	<b>From the bedside: upcoming new clinical strategies: novel strategies to combat respiratory viral infections</b> Sebastian L. Johnston (London, United Kingdom)	3165
09:34	<b>Drug development: news from "hot" early stage clinical trials: personalised immunotherapy for lung cancer</b> Joachim G.J.V. Aerts (ROTTERDAM, Netherlands)	3166
10:02	<b>What the scientific world is talking about in 2017: imaging</b> Hans-Ulrich Kauczor (Heidelberg, Germany)	3167

## Silver (North) Session 385 08:30 - 10:30

### Session: Taking care of migrants' health in Europe

**Aims :** The attendees will have an update on the problems related to migrants health, in particularly on respiratory diseases. They will also learn how care of migrants is organized around Europe.

**Track(s) :** Chronic airway diseases Respiratory infections

**Tag(s) :** Clinical

**Target audience :** Clinician, Epidemiologist, Fellow, General practitioner, Paediatrician, Public health official, Pulmonologist, Resident, Respiratory physician, Social worker, Student, TB specialist

**Chairs :** Stefania La Grutta (Palermo, PA, Italy), Senia Rosales-Klintz (Solna, Sweden)

08:30	<b>Respiratory Health in Migrants: An Overview</b> Juan Celedon (Pittsburgh, United States of America)	3168
09:00	<b>Respiratory problems in migrants: prevalence and organization of care</b> Giovanni Viegi (Pisa, PI, Italy)	3169
09:30	<b>Post-migration TB screening</b> Claudia Dobler (Rochester, United States of America)	3170
10:00	<b>Clinical problems in migrant children</b> Ulrich von Both (London, United Kingdom)	3171

## Bronze (Hall 4) Session 386 08:30 - 10:30

### Hot topics: End-of-life care of the respiratory patients

**Aims :** The session intends to analyse the ethical issues correlated with end-of-life decisions in respiratory patients.

**Track(s) :** Acute and chronic respiratory failure/sleep

**Tag(s) :** Clinical

**Target audience :** Emergency medicine doctor, Intensivist/critical care physician, Oncologist, Pulmonologist, Respiratory physician

**Chairs :** Paolo Navalesi (Milan, Italy), Stylianos Orfanos (Athens, Greece)

08:30	<b>Patient testimonial</b> Evghenie Nona (, Italy)	3172
08:42	<b>When and how to communicate the prognosis in a chronic respiratory disease</b> Stefano Nava (Bologna, Italy)	3173
09:09	<b>The case of pulmonary fibrosis and amyotrophic lateral sclerosis: is intubation always futile?</b> Anita Simonds (London, United Kingdom)	3174
09:36	<b>Improve quality of life means also improve quality of death?</b> Mark W. Elliott (Leeds, United Kingdom)	3175
10:03	<b>The media and end-of-life decision</b> Miquel Ferrer Monreal (Barcelona, Spain)	3176

## Beige (South)

## Session 387

08:30 - 10:30

### Session: Latest GOLD update

**Aims :** This session aims at presenting and discussing the most relevant changes introduced in the GOLD2017 report. It will discuss issues related to diagnosis of the disease, risk factors (known and novel), a refined ABCD proposal for the assessment of patients in order to guide pharmacological treatment as well as the new dynamic therapeutic scheme proposed, including non-pharmacological interventions. It is hoped that, at the end of the session, participants will be fully aware of the new concepts and proposals introduced in the 2017 GOLD report

**Chairs :** Alvar Agusti Garcia-Navarro (Barcelona, Spain), Claus Vogelmeier (Marburg, Germany)

08:30	<b>Definition and risk factors</b> Bartolome R. Celli Croquer (Boston, United States of America)	3177
09:00	<b>Diagnosis and assessment</b> Gerard J. Criner (Philadelphia, United States of America)	3178
09:30	<b>Pharmacological treatment</b> Nicolas Roche (Paris, France)	3179
10:00	<b>Non-pharmacological treatment</b> Jean Bourbeau (Montreal, Canada)	3180

## Black (North)

## Session 388

08:30 - 10:30

### Symposium: From acute clots to chronic thromboembolic pulmonary hypertension

**Aims :** This session focuses on right heart failure, especially in the context of acute and chronic thromboembolic pulmonary hypertension. The aims are (1) to understand the mechanisms of right ventricular failure under conditions of high pressure, (2) to be aware of the medical principles that underlie the treatment of the right ventricle under conditions of high pressure, and (3) to learn about the treatment options for patients with acute pulmonary embolism. In the latter aim, how to decide between the treatment options in chronic thromboembolic pulmonary hypertension and the evidence supporting these decisions will be discussed along with how and when to support the right ventricle in end-stage disease.

**Track(s) :** Interstitial lung disease and vascular disease

**Tag(s) :** Clinical

**Target audience :** Cardiologist, Clinician, Intensivist/critical care physician, Nurse, Patient, Pulmonologist, Researcher, Scientist, Student, Thoracic surgeon

**Chairs :** Marc Humbert (Paris, France), Werner Seeger (Giessen, Germany)

08:30	<b>The acute PE patient at high risk: how should we manage this patient?</b> Olivier Sanchez (Paris, France)	3181
09:00	<b>The right ventricle under stress</b> Anton Vonk Noordegraaf (Amsterdam, Netherlands)	3182

09:30	<b>Unloading the right ventricle in chronic thromboembolic pulmonary hypertension</b> Marion Delcroix (Leuven, Belgium)	3183
10:00	<b>How to treat CTEPH</b> Marius M. Hoepfer (Hannover, Germany)	3184

### Purple (North) Session 389 08:30 - 10:30

#### Hot topics: Early life events: implications across the lifecourse

**Aims :** During this session the Audience will have knowledge on the influence of microbiome, viral infections and others early life factors on the development of chronic respiratory symptoms in children and on how these factors will influence COPD in adulthood.

**Track(s) :** Chronic airway diseases

**Tag(s) :** Paediatric

**Target audience :** Fellow, Immunologist, Junior member, Paediatrician, Pulmonologist, Resident, Scientist, Student

**Chairs :** Jonathan Grigg (London, United Kingdom), Franca Rusconi (Firenze, Italy)

08:30	<b>Early life microbiome assembly – what can go wrong?</b> Debby Bogaert (Edinburgh, United Kingdom)	3185
09:00	<b>From viral bronchiolitis to preschool wheeze: bacteria as a prevention and therapy target</b> Avraham Beigelman (St. Louis, MO, United States of America)	3186
09:30	<b>Childhood asthma, BPD and CF - tomorrow's COPD</b> Colin Robertson (Melbourne, VIC, Australia)	3187
10:00	<b>Early life influences on asthma development</b> Liesbeth Duijts (Rotterdam, Netherlands)	3188

### Red (North) Session 390 08:30 - 10:30

#### Oral Presentation: Late-breaking studies in asthma and COPD

**Chairs :** Giulia Pellegrino (Milano, Italy), Frank Scirba (Pittsburgh, United States of America)

OA3189	<b>Late Breaking Abstract - Efficacy and safety of tezepelumab in adults with severe asthma: A randomized phase 2 study</b> Jonathan Corren (Los Angeles, United States of America), Stephanie Roseti, Jane Parnes, May Mo, Janet Griffiths, Liangwei Wang, Rene Van Der Merwe
OA3190	<b>Late Breaking Abstract - The association between dynamic lung function and peak oxygen uptake in a healthy general population. The HUNT Study.</b> Øystein Rasch-Halvorsen (TRONDHEIM, Norway), Sigurd Steinshamn, Erlend Hassel, Ben Michael Brumpton, Arnulf Langhammer
OA3191	<b>Late Breaking Abstract - Global RSV-associated mortality in young children: a case series.</b> Nienke Scheltema (Utrecht, Netherlands), Harish Nair, Louis Bont
OA3192	<b>Late Breaking Abstract - EvA consortium: bronchial brush bacterial load is associated with airway remodelling in mild-to-moderate COPD</b> Mohammadali Yavari Ramsheh (Leicester, United Kingdom), Leena George, Mike Barer, Deepak Subramanian, Sumit Gupta, David Parr, Loems Ziegler-Heitbrock, Dave Singh, Chris Brightling
OA3193	<b>Late Breaking Abstract - Effectiveness of Fluticasone furoate/vilanterol (FF/VI) compared to usual care (UC) in patients with asthma: The Salford Lung Study (SLS)</b> Ashley Woodcock (Manchester, United Kingdom), David Leather, Jorgen Vestbo, Nawar Diar Bakerly, Joanne L. Fletcher, John P. New, J. Martin Gibson, Sheila Mccorkindale, Sue Collier, James Lay-Flurrie, Lucy Frith, Loretta Jacques, Catherine Harvey, Henrik Svedsater, Ashley Woodcock
OA3194	<b>Late Breaking Abstract - Mepolizumab reduces exacerbations in eosinophilic COPD</b> Frank Scirba (Pittsburgh, United States of America), Pascal Chanez, Jean-Benoit Martinot, Njira Lugogo, Steven W Yancey, Stephanie Schweiker Harris, Bhabita Mayer, Eric S Bradford, Frank C Albers, David B Rubin

### Space 1 + 2 (South) Session 391 08:30 - 10:30

#### Oral Presentation: Improve your competences: new directions from medical education

**Chairs :** Gernot G.U. Rohde (Frankfurt am Main, Germany), Frans H.C. De Jongh (Enschede, Netherlands)

- OA3195 Late Breaking Abstract - Simulation-based training (SBT) in non-invasive ventilation (NIV) for multiprofessional teams improves confidence in NIV practice**  
Alanna Hare (London, United Kingdom), Lydia Spurr, Debbie Field, Michelle Chatwin, Elaine Pneh, Ines Louro Sequeira
- OA3196 Utility of electronic tablet-based inhaler technique training.**  
Reiko Ito (Tokyo, Japan), Yasuhiro Gon, Noriko Kogawa, Shu Hashimoto
- OA3197 Bronchoscopy simulation training using a three-dimensional printer**  
Masayuki Nakayama (Shimotsuke, Japan), Shinichi Yamamoto, Naoki Kaneko, Naoko Mato, Hideaki Yamasawa, Masashi Bando, Koichi Hagiwara
- OA3198 Quality Assurance of a chronic lung disease education program: a pan India initiative**  
sourabh sinha (GURGAON (HARYANA), India), sandeep bhalla, priyanka gupta, shilpa jain, ambrish mishra, monica barne, sundeep salvi, b. v. muralimohan, d prabhakaran, s nair
- OA3199 A capacity building model for primary care physicians in management of COPD and Asthma in India**  
SANDEEP BHALLA (GURGAON, India), SOURABH SINHA, shilpa jain, priyanka gupta, ambrish mishra, Monica barne, Sundeep Salvi, B V Murali Mohan, D Prabhakaran, S Nair
- OA3200 The COPD-web – participatory development of an internet based tool to support health and an active lifestyle for people with COPD**  
Malin Tistad (Falun, Sweden), Sara Lundell, André Nyberg, Maria Wiklund, Karin Wadell
- OA3201 The British Lung Foundation asthma management programme - improving asthma control in adults**  
Will Carroll (Staffordshire, United Kingdom), Sadie Clayton, Francis Gilchrist, Martin Allen, Warren Lenney
- OA3202 Structure and dynamics of online patients' communities: the case of Asthma UK and BLF online fora.**  
Anna De Simoni (London, United Kingdom), Sagar Joglekar, Stephanie JC Taylor, Anita Patel, Robbie Duschinsky, Neil Coulson, Chris Griffiths, Pietro Panzarasa, Nishanth Sastry, Amrutha Anand, Matt Jameson Evans

Space 3 + 4 (South)

Session 392

08:30 - 10:30

**Oral Presentation: Central sleep apnoea: consequences and comorbidities of obstructive sleep apnoea**

Chairs : Winfried J. Randerath (Solingen, Germany), Jean-Louis Pépin (Grenoble, France)

- OA3203 Late Breaking Abstract - Morbidity and mortality of chronic heart failure (CHF) patients with central sleep apnoea (CSA) treated by adaptive servoventilation (ASV): Interim results of FACE cohort study\_ Update**  
Jean-Louis Pépin (Grenoble, France), Renaud Tamisier, Thibaud Damy, Frederic Goutorbe, Patrick Levy, Jean-Marc Davy, Florent Lavergne, Laurent Morin, Marie-Pia D'Ortho, Alain Palot
- OA3204 Distinguishing Patients with Central from Obstructive Sleep Apnea Using Overnight Breath Sound Recordings**  
Hisham Alshaer (Toronto, ON, Canada), Richard Hummel, T Douglas Bradley
- OA3205 Loop Gain in Heart Failure Patients with Periodic Breathing**  
Simon Dominik Herkenrath (Solingen, Germany), Catarina Lacerda, Alessandra Castrogiovanni, Marcel Treml, Ilona Kietzmann, Kerstin Richter, Winfried Randerath
- OA3206 Association of obstructive sleep apnoea but not central sleep apnoea and spheric remodeling of left ventricle in patients with ST-segment elevation anterior myocardial infarction**  
Christoph Fisser (REGENSBURG, Germany), Kristina Götz, Andrea Hetzenecker, Kurt Debl, Stefan Buchner, Michael Arzt
- OA3207 Atherosclerosis of the carotid arteries in patients with COPD and obstructive sleep apnea (OSA).**  
Olena Krakhmalova (Kharkiv, Ukraine), Olena Izmailova, Yulia Kharchenko, Andrey Nesen
- OA3208 Obstructive sleep apnea is an independent predictor for dyslipidemia: Data from the European Sleep Apnea Database (ESADA)**  
Canan Gunduz (Izmir, Turkey), Canan Gündüz, Ozen Basoglu, Jan Hedner, Ding Zou, Maria R. Bonsignore, Holger Hein, Richard Staats, Athanasia Pataka, Ferran Barbe, Pavel Sliwinsky, Ludger Grote
- OA3209 OSA and cancer in Europe: the European Sleep Apnea Database (ESADA) experience**  
Athanasia Pataka (Thessaloniki, Greece), Ulla Anttalainen, Sofia Schiza, Izolthi Bouloukaki, Paschalis Steiropoulos, Brian Kent, Richard Staats, Pavol Joppa, Renata Riha, Maria Bonsignore, Pawel Sliwinski, Johan Verbraecken, Ozen Basoglu, Carolina Lombardi, Zoran Dogas, Jan Hedner, . on behalf of the ESADA network
- OA3210 CPAP appears to protect kidney function of patients with OSA.**  
James Wingfield Digby (Manchester, United Kingdom), Alexander Mathioudakis, Rosie Heartshorne, Mujtaba Mohammad, Daniel Tewkesbury, Michelle Needham

## Pink (South)

## Session 393

08:30 - 10:30

## Oral Presentation: Monitoring novel biomarkers in asthma

Chairs : Stylianos Loukides (Voula, Greece), Florence Schleich (Liège, Belgium)

- OA3211 Late Breaking Abstract - Aging change the protein-profile of lining fluid from small airways**  
Jörgen Östling (Möndal, Sweden), Marleen Van Geest, Emilia Viklund, Per Gustafsson, Ekaterina Mirgorodskaya, Annacarin Olin
- OA3212 Hair analysis to detect chronic inhaler drug use in asthma or COPD patients**  
Dave Hassall (Middlesex, United Kingdom), Noushin Brealey, Wayne Wright, Steve Hughes, Andy West, Ramiya Ravindranath, Francis Warren, Peter Daley-Yates
- OA3213 A simple score for future risk prediction in patients with controlled asthma who undergo a step-down guidelines-based strategy.**  
Luis Pérez De Llano (Lugo, Spain), Luis Pérez De Llano, Francisco Carballada, Juan Luis García-Rivero, Isabel Urrutia, Eva Martínez-Moragón, Marina Blanco, Jacinto Ramos, Maria del Carmen Vennera, Vicente Plaza, Pilar Cebollero, Maria Merino
- OA3214 Association between blood eosinophil counts and risk of rehospitalization in patients with asthma**  
Marjan Kerkhof (NORFOLK, United Kingdom), Trung N. Tran, Maarten van den Berge, Guy Brusselle, Gokul Gopalan, Rupert Jones, JanWillem Kocks, Andrew Menzies-Gow, Javier Nuevo, Ian Pavord, Sarang Rastogi, David Price
- OA3215 Is residual volume reversibility a better marker than FEV1 reversibility in diagnosing reversible airway disease in asthma?**  
Jose Vempilly (Fresno, United States of America), B Abejie, Ali Rashidian, Vipul Jain, Tim Tyner
- OA3216 Bronchodilator response and previous lung function decline in relation with exhaled nitric oxide levels in asthma**  
Andrei Malinowski (Uppsala, Sweden), Thorarinn Gislason, Mario Olivieri, Anna-Carin Olin, Deborah Jarvis, Christer Janson
- OA3217 Benralizumab attenuates airway eosinophilopoietic processes in prednisone-dependent asthma**  
Roma Sehmi (Hamilton, ON, Canada), Parameswaran Nair, Manali Mukherjee, Hui Fang Lim, Chynna Huang, Katherine Radford, Louis-Philippe Boulet, Delbert Dorscheid, James G. Martin
- OA3218 Cell counts in severe asthma; concordance of sputum and BAL in Wessex Severe Asthma Cohort**  
Thomas Jones (Portsmouth, United Kingdom), Thomas P Brown, Scott Elliott, Hitasha Rupani, Anoop J Chauhan, Kerry Gove, Clair Barber, Laurie Lau, Peter Howarth

## Brown 1 + 2 (South)

## Session 394

08:30 - 10:30

## Oral Presentation: Thoracic surgery: preoperative assessment, outcome and complications

Chairs : Stefano Elia (Rome, Italy), Marcello Migliore (Catania, CT, Italy)

- OA3219 Virtual-assisted lung mapping (VAL-MAP) for thoroscopic lung resection is not affected by virtual bronchoscopic navigation software**  
Atsushi Kitamura (Tokyo, Japan), Hiroshi Nakaoka, Kohei Okafuji, Kenji Ishii, Ryosuke Tsugitomi, Tomoyuki Tanigawa, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura, Yuya Ishikawa, Fumitsugu Kojima, Toru Bando, Masaaki Sato
- OA3220 Bronchial angle changes and deformation after right upper pulmonary lobectomy.**  
SangYun Song (Jeollanamdo, Republic of Korea), Sang Ki Oh, Kook Joo Na, Ju Sik Yun
- OA3221 Outcomes of a Multi-Disciplinary Team (MDT) for End-Stage Emphysema Patients: Emphysema Index on Computed Tomography identifies Targets for Lung Volume Reduction**  
Emilie McCormack (Drogheda, Ireland), Andrew Hudson, Carole A Ridge, Jim Egan, Oisín O'Connell, Georgina Flood, Donna Eaton, Karen C Redmond
- OA3222 Preliminary Data about Quality Check Evaluation of Italian VATS Group Database**  
Luca Bertolaccini (Ravenna, Italy), Alessandro Bertani, Alessandro Gonfiotti, Andrea Droghetti, Duilio Divisi, Roberto Crisci, Piergiorgio Solli, . on behalf of Italian VATS Group
- OA3223 Bayesian Analysis of VATS Lobectomy Expertise in Two Thoracic Surgery Units**  
Luca Bertolaccini (Ravenna, Italy), Desideria Argnani, Jury Brandolini, Alessandro Pardolesi, Piergiorgio Solli, Alessandra Criscione, Francesco Borrata, Marco Nardini, Enrica Monaco, Marcello Migliore
- OA3224 The role of lymphopenia in the development and severity of postoperative pulmonary complications after lung surgery**  
Sebastian Lugg (Birmingham, United Kingdom), Paula Agostini, Amy Kerr, Maninder Kalkat, Pala Rajesh, Richard Steyn, Ehab Bishay, Babu Naidu, David Thickett, Kerry Adams



- OA3225 Functional Outcomes Long Term Survival and Surgical Risk After Lung Volume Reduction Surgery: A 12-year Single Center Experience.**  
Gopal Singh (New York, United States of America), John Vandenberg, Patricia Jellen, Daniel Lambert, William Bulman, Byron Thomashow, Joshua Sonett, Mark Ginsburg

**Yellow (North) Session 395 08:30 - 10:30**

**Oral Presentation: Molecular biology of normal and abnormal lung development**

**Chairs :** Rory Morty (Bad Nauheim, Germany), Anne M. van der Does (Leiden, Netherlands)

- OA3226 The mesenchymal factors Neuregulin-1 and Leptin modulate alveolar epithelial ion transport**  
Mandy Laube (Leipzig, Germany), Fine Wenzel, Isabel Cao, Ulrich Thome
- OA3228 HMGA2 mediated epigenetic regulation of Gata6 controls epithelial WNT signaling during lung development**  
Guillermo Barreto (Bad Nauheim, Germany), Indrabahadur Singh, Aditi Mehta, Nihan Oztürk, Julio Cordero, Adriana Contreras, Diya Hasan, Claudia Cosentino, Carlos Sebastian, Marcus Krüger, Mario Looso, Thomas Boettger, Hector A Cabrera-Fuentes, Gianni Carraro, Matthew Wheeler, Saverio Bellusci, Raul Mostoslavsky, Werner Seeger, Thomas Braun
- OA3229 MiR-154 controls branching morphogenesis and alveologenesis in lung development involving Tgf- signaling.**  
Cho-Ming Chao (Gießen, Germany), Gianni Carraro, Zvonimir Rako, Johannes Kolck, Rory Edward Morty, Robert J. Rottier, Saverio Bellusci
- OA3230 The role of miR-135b in normal and aberrant post-natal lung development**  
Claudio Nardiello (Bad Nauheim, Germany), Jordi Ruiz-Camp, Werner Seeger, Rory Edward Morty
- OA3231 ROLE OF TRAIL IN THE PATHOGENESIS OF BRONCHOPULMONARY DYSPLASIA (BPD)**  
Tayyab Shahzad (Giessen, Germany), Cho-Ming Chao, Saverio Bellusci, Harald Ehrhardt
- OA3232 Gene regulatory roles for lysyl oxidases in the context of BPD**  
Ivana Mizikova (Bad Nauheim, Germany), Francesco Palumbo, Rory Morty, Werner Seeger

**Brown 3 (South) Session 396 08:30 - 10:30**

**Oral Presentation: Delivering person-centred care across the spectrum of respiratory nursing**

**Chairs :** Saskia W. M. Weldam (Utrecht, Netherlands), Anne-Marie Russell (London, United Kingdom)

- OA3233 Late Breaking Abstract - Focus groups designed tailored infographic visualizations to communicate asthma status to high-risk adults**  
Maureen George (New York, United States of America), Adriana Arcia
- OA3234 Title Development and preliminary psychometric testing of the Respiratory Nurse Sensitive Outcome Indicator tool (RNSOI) for patients with COPD.**  
Samantha Prigmore (London, United Kingdom), Ann Caress, Janelle Yorke
- OA3235 Adherence to anti-fibrotic therapy in IPF; the nurses' challenge**  
Geraldine Burge (Solihull, United Kingdom), Baljit Ahitan, Emma Briggs, Katie Neighbour, Helen Alldrick, Vicky Moore, Gareth Walters, Sherwood Burge
- OA3236 Boost self-efficacy for better health outcomes in adult asthmatics!**  
Malin Axelsson (Malmö, Sweden), Linda Ekerljung, Bo Lundbäck
- OA3237 Florence home health monitoring for people with asthma**  
Corinne Clark (Inverness, United Kingdom), Joanne Gilliat
- OA3238 The energy question in COPD Assessment Test (CAT) can screen for fatigue among subjects with COPD**  
Caroline Stridsman (Luleå, Sweden), My Svensson, Viktor Johansson Strandkvist, Linnea Hedman, Helena Backman, Anne Lindberg
- OA3239 Symptom burden and oxygen therapy predict poorer quality of life in pulmonary hypertension**  
Janelle Yorke (Manchester, United Kingdom), Carl Harries, Paul Sephton, Iain Armstrong
- OA3240 Research priorities for respiratory nursing: A UK-wide Delphi study.**  
Carol Kelly (Lancashire, United Kingdom), Andy Kirkaldy, Melissa Pilkington, Matthew Hodson, Lindsey Welch, Janelle Yorke, Kate Kate Knighting

**Amber 1 + 2 (South) Session 397 08:30 - 10:30**

**Poster Discussion: Management of COPD**

**Chairs :** Gaetano Caramori (Messina, Italy), Peter M. A. Calverley (Liverpool, United Kingdom)

- PA3241 Improvement of the length tension relation in severe COPD with vilanterol trifenate/fluticasone furoate**  
Jenny Jagers (Calgary, AB, Canada), Michael Ji, Giovanni Tagliabue, Eric Wilde, Paul Easton
- 
- PA3242 Effects of add-on treatment with budesonide/formoterol combination in eosinophilic COPD patients**  
Taisuke Akamatsu (Shizuoka, Japan), Toshihiro Shirai, Yuko Tanaka, Hirofumi Watanabe, Yoshinari Endo, Yukiko Shimoda, Takahito Suzuki, Rie Noguchi, Mika Saigusa, Akito Yamamoto, Yuichiro Shishido, Takefumi Akita, Satoru Morita, Kazuhiro Asada
- 
- PA3243 Blood eosinophilia as predictor for outcomes in COPD exacerbations: a systematic review and meta-analysis**  
Ralph Elvi Villalobos (Manila, Philippines), Aileen David-Wang
- 
- PA3244 Six months azithromycin treatment in COPD patients with high risk of further exacerbations**  
Vanya Kostadinova (Varna, Bulgaria), Yordan Radkov, Temenuga Stoeva, Darina Miteva
- 
- PA3245 Applicability of randomized controlled trials (RCTs) results to real-life patients in COPD**  
Laurie Pahus (MARSEILLE, France), Pierre-Régis Burgel, Jean-Louis Paillasseur, Nicolas Roche, Pascal Chanez
- 
- PA3246 Symptomatic burden of COPD for patients receiving dual or triple therapy**  
Stephanie Chen (Gaithersburg, United States of America), Mark Small, Tom Bailey, Leandro Lindner, Xiao Xu
- 
- PA3247 Cardiopulmonary interactions with beta-blockers and inhaled therapy in COPD.**  
Sunny Jabbal (Dundee, United Kingdom), William Anderson, Philip Short, Ashley Morrison, Arvind Manoharan, Brian Lipworth
- 
- PA3248 Clinically important deterioration in advanced COPD patients using single inhaler triple therapy: results from the FULFIL study**  
Ian Naya (Uxbridge, United Kingdom), Helen Barnacle, Ruby Birk, Noushin Brealey, Maggie Tabberer, Chang-Qing Zhu, David Lipson
- 
- PA3249 The need for a better identification of COPD-bronchiectasis phenotype**  
António Pedro de Sousa Fernandes (Oliveira de Azeméis, Portugal), António Fernandes, João Madaleno, Alcide Marques
- 
- PA3250 Effect of phosphodiesterase 4B inhibitor GSK256066 on leukocyte/endothelium interactions from chronic obstructive pulmonary disease: an in vitro study.**  
Ines Roger (Valencia, Spain), Inés Roger, Anselm Morell, Pilar Ribera, Ricardo Guijarro, Julio Cortijo
- 
- PA3251 Target engagement confirmed in man with a dipeptidyl peptidase 1 inhibitor**  
Jukka Mäenpää (Mölnådal, Sweden), Kristina Stenvall, John Mo, Muir Russel, Philip Gardiner, Robert Palmer, Alexandra Jauhainen, James Root, Bengt Larsson
- 
- PA3252 Population pharmacokinetic (PK) analysis of fluticasone furoate (FF)/umeclidinium (UMEC)/vilanterol (VI) via a single inhaler in patients with COPD (FULFIL)**  
Rashmi Mehta (Durham, United States of America), Eleni Pefani, Misba Beerah, Helen Barnacle, Ruby Birk, Noushin Brealey, Chang-Qing Zhu, David A. Lipson
- 
- PA3253 Early changes in eDiary COPD symptoms predict trough FEV1 and TDI responders at 12 weeks in the CRYSTAL trial**  
Konstantinos Kostikas (Basel, Switzerland), Maryam Aalamian-Mattheis, Veronica Anna Pagano, Xavier Nunez, Robert Fogel, Francesco Patalano, Andreas Clemens
- 
- PA3254 Early occurrence of any COPD exacerbation predicts further higher risk of moderate/severe exacerbations regardless of recording tool: the FLAME study**  
Jadwiga Wedzicha (London, United Kingdom), Francesco Patalano, Steven Shen, Stefan-Marian Frent, Michael Larbig, Robert Fogel, Donald Banerji
- 
- PA3255 Indacaterol/glycopyrronium (IND/GLY) reduces the risk of clinically important deterioration (CID) versus salmeterol/fluticasone (SFC): the FLAME study**  
Antonio Anzueto (San Antonio, United States of America), Konstantinos Kostikas, Steven Shen, Michael Larbig, Francesco Patalano, Robert Fogel, Donald Banerji
- 
- PA3256 Inhaled vilanterol trifenate/fluticasone furoate (VFF) improves respiratory muscle function and walking performance in severe COPD without change in pulmonary function**  
Paul A. Easton (Calgary, AB, Canada), Jenny Jagers, Michael Ji, Giovanni Tagliabue, Nicki Scott, Eric Wilde, Malcolm Johnson
- 
- PA3257 NMR-based metabolomics of exhaled breath condensate for assessing the effects of inhaled corticosteroids in COPD patients**  
Paolo Montuschi (Roma, Rm, Italy), Giuseppe Santini, Nadia Mores, Tim Higenbottam, Alessia Vignoli, Leonardo Tenori, Francesco Macagno, Claudio Luchinat

- PA3258 Pseudomonas infection and home oxygen therapy can increase readmission in patients with acute exacerbation of chronic obstructive pulmonary disease**  
Young Seok Lee (Seoul, Republic of Korea), Juwhan Choi, Sangmi Chung, Jong Hyun Choi, Jae Kyeom Sim, Jee Youn Oh, Kyung Hoon Min, Gyu Young Hur, Sung Yong Lee, Kyung Ho Kang, Jae Jeong Shim

Amber 3 + 4 (South)

Session 398

08:30 - 10:30

**Poster Discussion: The many faces of sarcoidosis**

Chairs : Antje Prasse (Hannover, Germany), Daniel Culver (Cleveland, United States of America)

- PA3259 Late Breaking Abstract - Promising results of the infliximab biosimilar Inflectra® in severe sarcoidosis patients**  
Milou C. Schimmelpennink (Nieuwegein, Netherlands), Adriane D.M. Vorselaars, Frouke T. Van Beek, Heleen C. Crommelin, Ruth G.M. Keijsers, Marcel Veltkamp
- PA3260 Safety of corticosteroid therapy in patients with pulmonary sarcoidosis**  
Ievgeniia Merenkova (Kyiv, Ukraine), Yaroslav Dziublyk
- PA3261 Malondialdehyde and nitrotyrosine as markers of peroxynitrite activity in sarcoidosis**  
Anna Dubaniewicz (Gdańsk, Poland), Monika Skotarczak, Grzegorz Romanowicz, Jan Marek Słomiński, Leszek Kalinowski
- PA3262 Outcome predictive factors in patients with sarcoidosis**  
Diana Calaras (Chisinau, Republic of Moldova), Oxana Munteanu, Zinaida Luchian, Aliona David, Victor Botnaru
- PA3263 In situ analysis by SEM-EDX spectroscopy of 10 sarcoidosis cases from MINASARC study**  
Mickael Catinon (Villeurbanne, France), Cécile Chemarin, Françoise Thivolet, Marianne Kambouchner, Jean-François Bernaudin, Catherine Cavalin, Ana-Maria Sfarghiu, François Arbib, Olivia Freynet, Nathalie Freymond, Jean-François Mornex, Paul-André Rosental, Michel Vincent, Dominique Valeyre, Christophe Pison
- PA3264 Neurological signs in patients with sarcoidosis - is it neurosarcoidosis?**  
Anna Kempisty (Warszawa, Poland), Katarzyna Blasinska-Przerwa, Elzbieta Marcinkowska, Jan Kus
- PA3265 Fatigue perception and related factors in patients with advanced sarcoidosis and COPD patients**  
Sevgi Ozalevli (Izmir, Turkey), Ilknur Naz, Deniz Bayraktar, Hulya Dogan Sahin
- PA3266 The role of HLA-DRB1\* alleles in prediction of long term prognosis in sarcoidosis**  
Ezgi Özyilmaz (Adana, Turkey), Ali Durmaz, Bugra Guzelbaba, Orhan Othman Hasan, Ozlem Goruroglu Ozturk, Sedat Kuleci, Ismail Hanta, Eren Erken, Ali Kocabas
- PA3267 The frequency of etarcept related sarcoidosis**  
Ezgi Özyilmaz (Adana, Turkey), Bugra Guzelbaba, Ali Durmaz, Gulsah Orhan, Gozde Sarar, Neslihan Gokcen, Suleyman Ozbek, Eren Erken
- PA3268 Posaconazole in vitro action on peripheral blood mononuclear cells from sarcoidosis patients**  
Marjeta Tercelj-Zorman (Ljubljana, Slovenia), Sanja Stopinsek, Barbara Salobir, Alojz Ihan, Saša Simčič
- PA3269 Sarcoidosis and neoplasm, a coincidence?**  
Anna Goljan Geremek (Warszawa, Poland), Monika Czystowska, Agnieszka Skoczylas, Urszula Demkow, Elzbieta Puscinska, Michal Bednarek, Adam Nowinski, Pawel Sliwinski
- PA3270 Gender based differences in radiation-induced lung injury in rats**  
Fikret Kanat (Konya, Turkey), Esra Çınar, Güler Yavaş, Pinar Karabagli, Fatma Humeyra Yerlikaya, Mecit Suerdem, Baykal Tulek
- PA3271 The granulomas morphology and clinical picture of sarcoidosis.**  
Olga Denisova (Tomsk, Russian Federation), Inna Palchikova, Igor Purlik, Galina Chernjavskaya, Georgy Chernogoryuk
- PA3272 Human chitotriosidase analysis: a reliable biomarker of sarcoidosis severity**  
Paolo Cameli (Certaldo, Italy), Elena Bargagli, David Bennett, Nicola Bianchi, Rosa Metella Refini, Paola Rottoli, Giuseppe Cillis
- PA3273 The role of 18-FDG PET/CT in lung sarcoidosis**  
Zora Pavlović-Popović (Sremska Kamenica, Republic of Serbia), Marija Vukoja, Jasna Mihailović, Nataša Prvulović Bunović, Silvija Lučić
- PA3274 Functional and symptomatic burden of small fiber neuropathy in sarcoidosis.**  
Daniel Culver (Cleveland, United States of America), Daiva Bjournas, Albert Dahan, Michael Brines

**PA3275 Interleukin-2 and C-reactive protein in assessing the effectiveness of pulmonary sarcoidosis treatment**  
Kostiantyn Shvets (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Kseniia Ostrovska, Iryna Savelikhina, Mariana Kulynych-Miskiv, Oleksandr Varunkiv

**PA3276 Evaluation of Impulse Oscillometry in patients with Sarcoidosis**  
Anjana Talwar (Noida (Uttar Pradesh), India), Nasim Akhtar, Meghashree Sampath, Geetanjali Bade, Anjali Trivedi, Randeep Guleria

**Amber 5 + 6 (South) Session 399 08:30 - 10:30**

**Poster Discussion: Assessment and treatment of respiratory muscle function in respiratory physiotherapy**

**Chairs :** Daniel Langer (Leuven, Belgium), Jennifer Alison (Killara, Australia)

**PA3277 Complementary inspiratory muscle training during pulmonary rehabilitation in COPD patients with inspiratory muscle weakness – A subgroup analysis of a randomized, controlled trial (IMTCO study)**  
Rainer Gloeckl (Schoenau am Koenigssee, Germany), Tessa Schneeberger, Inga Jarosch, Noppawan Charususin, Daniel Langer, Klaus Kenn, Rik Gosselink

**PA3278 Relation between training quality, improvements in inspiratory muscle function, and changes in exercise capacity following an inspiratory muscle training intervention (IMTCO study)**  
Noppawan Charususin (Pathumthani, Thailand), Rik Gosselink, Marc Decramer, Heleen Demeyer, Alison McConnell, Didier Saey, Francois Maltais, Eric Derom, Stefanie Vermeersch, Yvonne Heijdra, Linda Garms, Rainer Gloeckl, Klaus Kenn, Daniel Langer

**PA3279 The effects of inspiratory muscle training on the perceptions of advanced lung disease patients: A qualitative study**  
Mariana Hoffman (Belo Horizonte/Mg, Brazil), Marcella Assis, Valeria Augusto, Bruna Silveira, Verônica Parreira

**PA3280 Inspiratory muscle training with tapered flow resistive loading versus mechanical threshold loading in ICU difficult to wean patients: a pilot study**  
Mariana Hoffman (Belo Horizonte/Mg, Brazil), Beatrix Clerckx, Daniel Langer, Rik Gosselink, Marine Van Hollebeke

**PA3281 The effects of inspiratory muscle training in patients with advanced lung disease**  
Mariana Hoffman (Belo Horizonte/Mg, Brazil), Bruna Silveira, Marcela Lemos, Valéria Augusto, Verônica Parreira

**PA3282 Effects of inspiratory muscle training in patients with asthma**  
Veronica Parreira (Belo Horizonte/Mg, Brazil), Susan Lage, Danielle Gomes, Anna Luisa Corradi, Armèle Andrade, Guilherme Fregonezi, Anna Cláudia Castro

**PA3283 The effects of inspiratory muscle training on aerobic capacity, pulmonary functions and functional status in patients with ankylosing spondylitis**  
Harun Taskin (Denizli, Turkey), Orçin Telli Atalay, Elif Gür Kabul, Bilge Başak Çalk, Ali Hsan Yıldız, Ümmühan Başlan, Murat Taç, Fahrettin Başak

**PA3284 Baroreflex sensitivity assessment during acute high-intensity inspiratory endurance exercise**  
Aparecida Catai (Sao Carlos/Sp, Brazil), Vinicius Minatel, Alberto Porta, Patrícia Rehder-Santos, Mariana Oliveira Gois, Bruno Araújo Ribeiro, Richard Ducatti, Renata A. Gonçalves, Meliza Goi Roscani, Ester Silva, Anielle C. M. Takashi

**PA3285 Association between body composition and maximal respiratory pressures in women aged 40-80 years old**  
Ingrid Azevedo (Natal/Rn, Brazil), saionara câmara, silvana pereira, álvaro maciel, elizabel viana

**PA3286 Respiratory muscle strength is significantly reduced and related to perceived disability in patients with low back pain**  
Marlon Wong (Coral Gables, United States of America), Magno Formiga, Neil Spielholz, Samuel Cheng, Lawrence Cahalin

**PA3287 Relationship between core stabilizer muscle strength and endurance to respiratory parameters in multiple sclerosis patients**  
Elif Tugba Donmez (ZMR, Turkey), Sevgi Ozalevli, Aylin Ozgen Alpaydin, Egemen Idiman

**PA3288 Low inspiratory muscle strength is associated with reduced exercise tolerance and poor quality of life in COPD-heart failure overlap**  
Ligia Oliveira (Cotia, Brazil), Luiz Nery, Alcides Rocha, Flavio Arbex, Luiza Costa, Roberta Ramos, José Neder, Priscila Sperandio

**PA3289 New reference equations for maximal respiratory pressures and maximal voluntary ventilation in the Brazilian population: a multicenter study**  
Vanessa Resqueti (Natal/Rn, Brazil), Palomma Saldanha Araújo, Ester Silva, Marlene Aparecida Moreno, Armele Dornelas de Andrade, Guilehre Fregonezi

**PA3290** **Respiratory muscle dynamics prediction formulas for inspiration load pressure change**  
Satoshi Kido (Koshigaya city, Saitama, Japan), Asuka Takahashi, Yu Yoshida, Syuhei Sakurai, Wenwei Yu

**PA3291** **Assessment of the mechanism underlying the improvement in ventilation efficiency induced by phasic electrical stimulation during expiration in patients with chronic obstructive pulmonary disease**  
Kenichi Ito (Ikoma-shi, Nara, Japan), Koji Nonaka, Shuichi Shiranita, Jun Horie, Gaku Shimizu, Atsushi Ogi, Miyuki Okuda, Nao Watanabe, Tatsuo Nozoe

**Amber 7 + 8 (South)****Session 400****08:30 - 10:30****Poster Discussion: Basic research in lung cancer: a scientific potpourri from genetic alterations to immune cells****Chairs :** Eva Maria Garrido-Martin (Madrid, Spain), Digambar Behera (Chandigarh (U.T.), India)

**PA3292** **LSC - 2017 - Mouse lung adenocarcinoma cell lines as tools to identify novel lung cancer genes**  
Nikolaos Kanellakis (Patras, Greece), Anastasios Giannou, Theodora Agalioti, Rahul Prashanth Ravindran, Dimitra Zazara, Ioannis Lillis, Ioanna Giopanou, Malamati Vreka, Ian Pavord, Najib Rahman, Ioannis Psallidas, Georgios Stathopoulos

**PA3293** **LSC - 2017 - Deregulated SOX2 drives a migratory signature in a novel organotypic model of bronchial dysplasia**  
Lucia Correia (Cambridge, United Kingdom), Trevor Littlewood, Gerard Evan, Frank McCaughan

**PA3296** **LSC - 2017 - Exosomal miRNA cargo in non small-cell lung cancer**  
Toby Mellows (Southampton, United Kingdom), Anastasios Lekkas, Tilman Sanchez-Elsner

**PA3297** **LSC - 2017 - Re-education of tumor-associated macrophages by modulating histone deacetylases in lung cancer**  
Xiang Zheng (Bad Nauheim, Germany)

**PA3298** **LSC - 2017 - Tumor-associated macrophages promote inflammasome-dependent lung tumor progression in mice**  
Michela Terlizzi (Salerno, Italy), Chiara Colarusso, Aldo Pinto, Rosalinda Sorrentino

**PA3299** **NTHi-promoted proliferation of K-ras-induced early lung cancer lesions is fully dependent on Toll-like receptor signaling**  
Christoph Beisswenger (Homburg/Saar, Germany), Christopher Jungnickel, Robert Bals, Philipp Schnabel, Rainer Bohle, Rainer Wiewrodt

**PA3300** **Adipocyte-derived exosomes promote lung cancer metastasis by increasing MMP9 activity via transferring MMP3 to lung cancer cells**  
Weizhong Jin (Hangzhou, China), Jiaoli Wang

**PA3301** **Methods of identification lung cancer stem cells: a pilot study.**  
Agata Raniszewska (Warszawa, Poland), Iwona Kwiecień, Joanna Domagała-Kulawik

**PA3302** **Identification of the mobile elements differentially expressed in lung cancer**  
Macarena Arroyo Varela (MALAGA, Spain), Rocío Bautista Moreno, Rafael Larrosa Jiménez, José Luis De la Cruz Ríos, Manuel Cobo, MG Claros

**PA3303** **Salinomycin suppresses TGF- $\beta$ 1-induced EMT by down-regulating MMP-2,9 via AMPK-SIRT1 pathway in a non-small cell lung cancer**  
Hak-Ryul Kim (Iksan, Jeonbuk, Republic of Korea), Jae-Sam Jo, Ki-Eun Hwang, Eun-Taik Jeong

**PA3304** **The Role of Signal Transducer and Activator of Transcription protein 1 (STAT1) in a murine model of lung adenocarcinoma (ADC)**  
Juliane Friedrich (Erlangen, Germany), Bettina Kroß, Sonja Trump, Corinna Holzinger, Mircea Chiriac, Susetta Finotto

**PA3305** **Bile acid receptor mediates cancer-associated fibroblasts-induced migration and invasion of non-small cell lung cancer cells**  
Wenjie You (Shanghai, China), Xueqing Liu, Shan Xue, Handong Jiang

**PA3306** **Oncogenic potential of MET SEMA mutations affecting brain metastases from NSCLC is sustained by their microrheological features**  
Giulia Maria Stella (Pavia, Italy), Rebecca Senetta, Alice Balderacchi, Paola Cassoni, Paolo Comoglio, Silvia Benvenuti

**PA3307** **Hypoxia Promotes Human NSCLC Cell Line A549 Motility and EMT Through Extracellular HSP90**  
Hangming Dong (Guangzhou, Guangdong, China), Yilan Wei, Xuan Wan, Shaoyi Cai

**PA3308** **The role of NFATc1 in T cell responses during the development of NSCLC**  
Lisanne Heim (Erlangen, Germany), Bettina Kroß, Corinna Holzinger, Susanne Mittler, Denis Trufa, Horia Sirbu, Ralf Rieker, Susetta Finotto

**Association between polymorphisms in microRNA target sites using CLASH data and survival of early-stage non-small cell lung cancer**

**PA3309** Seung Soo Yoo (Daegu, Republic of Korea), Mi Jeong Hong, Jin Eun Choi, Hong Geun Oh, Young Hun Lee, Hyewon Seo, Hyun Jung Kim, Shin Yup Lee, Jaehee Lee, Seung Ick Cha, Chang Ho Kim, Yangki Seok, Eungbae Lee, Sukki Cho, Sanghoon Jheon, Jae Yong Park

**Blue 1 (North)****Session 401****08:30 - 10:30****Poster Discussion: How can microbiology and translational research help physicians?**

**Chairs :** Felix C. Ringshausen (Hannover, Germany), Menno M. van der Eerden (Rotterdam, Netherlands)

**PA3310** **Late Breaking Abstract - Microbiota and lower respiratory tract infections in children: a matched case-control study**  
Wing Ho Man (Haarlem, Netherlands), Marlies A Van Houten, Anath Oren, Arine Vlieger, Nicolaas J G Jansen, Ed P Ijzerman, Mee Ling J N Chu, Olga Krabbe, Elisabeth A M Sanders, Debby Bogaert

**PA3311** **RHINOSINUSITIS OR SINUSITIS: IS IT THE SAME FROM MICROBIOLOGICAL POINT OF VIEW?**  
Elena Radtsig (Moscow, Russian Federation), Lubov' Malygina, Evgenia Sel'kova

**PA3312** **Clinical characteristics and outcome of patients with E. coli from respiratory samples.**  
Sonia Schneer (Nahsholim, Israel), Yochai Adir, Nili Stein, Pninit Shaked Mishan, Shifra Ken-Dror, Amir Abramovitch, Ruth Meler, Aysha Khateeb, Michal Shteinberg

**PA3313** **Identifying demographics and co-morbidities among hospitalised adults infected with acute Respiratory Syncytial Virus (RSV)**  
Christopher Huntley (Kingswinford, United Kingdom), Nawaid Ahmad, Annabel Makan, Kotalai Srinivasan, Harmesh Moudgil

**PA3314** **Burden of respiratory syncytial virus (RSV) disease in adults: final analysis from a retrospective chart review**  
Edward Walsh (Rochester, United States of America), Nelson Lee, Ian M. Sander, Robert M. Stolper, Jessica Zakar, Jaimin Mahadevia, Veronique Wyffels, David Myers, Roman Fleishhackl

**PA3315** **Modeling polymicrobial infections in the pathogenesis of respiratory diseases**  
Cristina Cigana (Milano, Italy), Cristina Cigana, Irene Bianconi, Maura De Simone, Camilla Riva, Rossella Baldan, Barbara Sipione, Daniela Maria Cirillo, Alessandra Bragonzi

**PA3316** **Activity of N-acetylcysteine in combination with colistin against a collection of colistin resistant Acinetobacter baumannii clinical isolates**  
Francesco Sergio (Bresso, MI, Italy), Lucia Pallecchi Pallecchi, Tiziana Di Maggio, Teresa Spanu, Barbara Fiori, Gianmaria Rossolini

**PA3317** **Synergistic activity of N-acetylcysteine and colistin against Stenotrophomonas maltophilia**  
Francesco Sergio (Bresso, MI, Italy), Lucia Pallecchi, Giulia Landini, Tiziana Di Maggio, Samantha Sottotetti, Lisa Cariani, Francesco Blasi, Gianmaria Rossolini

**PA3318** **Antimicrobial activity of N-acetylcysteine against Stenotrophomonas maltophilia and Burkholderia cepacia complex grown in planktonic phase and in biofilm**  
Francesco Sergio (Bresso, MI, Italy), Lucia Pallecchi, Giulia Landini, Tiziana Di Maggio, Lisa Cariani, Francesco Blasi, Gian Maria Rossolini

**PA3319** **Pneumolysin mediates neutrophil:platelet aggregation via a P-selectin- and protease-activated receptor-1 (PAR-1)-dependent mechanism**  
Charles Feldman (Johannesburg, South Africa), Jan G Nel, Chrisna Durandt, Annette J Theron, Gregory R Tintinger, Guy A Richards, Timothy J Mitchell, Ronald Anderson, Roger Pool

**PA3320** **Oxygen consumption by polymorphonuclear leukocytes in sputum from patients with acute lower respiratory tract infection**  
Mette Kolpen (Copenhagen, Denmark), Gabriella Fredman, Pelle Trier Petersen, Andreas Vestergaard Jensen, Pernille Ravn, Daniel Faurholt-Jepsen, Peter øStrup Jensen

**PA3321** **Exposure to particulate matter increases pyocyanin production in Pseudomonas aeruginosa**  
Lisa Miyashita (LONDON, United Kingdom), Naseem Mushtaq, Michele Padovan, Norrice Liu, Jonathan Grigg

**PA3322** **A microlised adhesion assay to assess the effect of E-cigarette vapour (ECV) on pneumococcal adhesion to nasal epithelial cells**  
Lisa Miyashita (LONDON, United Kingdom), Jonathan Grigg

**PA3323** **Cigarette smoke redirects Staphylococcus aureus to a virulence phenotype associated with persistent infection**  
Alicia Lacombe De La Torre (Badalona (Barcelona), Spain), Maisem Laabei, Andrew Edwards, José Domínguez, Cristina Prat

**PA3324 Positive predictive value of breathprint analysis for clinical remission of acute LRTI and for differentiation between AE-COPD and CAP**  
Marco Basile (Palermo, Italy), Francesco Scarpitta, Salvatore Battaglia, Marco Santonico, Giorgio Pennazza, Simone Grasso, Raffaele Antonelli-Incalzi, Nicola Scichilone

**PA3325 MCC-IMS Spectral Analyses of Volatile Markers for sensitive Detection of Bacterial Growth**  
Gunther Becher (Bernau, Germany), Tobias Raessler, Roman Purkhart, Claus Steppert, Sven Schimanski, Werner Schüler, Rolf Graupner

**PA3326 Multicapillary ion mobility spectrometry (MCC-IMS) for early identification of bacteria in vitro**  
Claus Steppert (Bayreuth, Germany), Tanja Dick, Isabel Steppert, Sven Schimanski, Thomas Bollinger, Roman Purkart, Gunther Becher

## Blue 2 (North) Session 402 08:30 - 10:30

### Poster Discussion: Assessing the impact of respiratory and sleep problems in children

Chairs : Andrew Wilson (Perth, WA, Australia), Padmaja Subbarao (Toronto, ON, Canada)

**PA3328 How do differences in absolute lung volumes contribute to ethnic differences in spirometry?**  
Nidhal Gharbawi (LEICESTER, United Kingdom), Manjith Narayanan, Maria Viskaduraki, Erol Gaillard, Caroline Beardsmore

**PA3329 Strict exclusion criteria do not apply for healthy respiratory impedance reference ranges in pre-school aged children**  
Claire Shackleton (Brisbane, QLD, Australia), Peter Sly, Zoltan Hantos, Robert Ware, Peter Vuillermin, Keith Grimwood, Bence Radics, Zoltan Gingl, Dorottya Czovek, Lawrence Gray

**PA3330 Association of residual function of cystic fibrosis transmembrane conductance regulator and lung clearance index in patients with normal FEV1**  
Florian Singer (Zürich, Switzerland), Nadine Bernasconi, Sylvia Nyilas, Tobias Ehrenreich, Elisabeth Kieninger, Isabelle Rochat, Alexander Moeller, Philipp Latzin

**PA3331 The natural course of lung volumes in Duchenne Muscular Dystrophy (DMD)**  
Antonella Lomauro (Milano, MI, Italy), Marianna Romei, Maria Grazia D'Angelo, Andrea Aliverti

**PA3332 Sex- and age-specific wheeze pattern in the first year of life**  
Hayat Bentouhami (Wilrijk, Belgium), Joost Weyler, Karlien Van den Eynde, Ellie Oostveen

**PA3333 Respiratory reactance at 6 weeks predicts lower respiratory tract illness in early life in a South African birth cohort**  
Dorottya Czovek (Brisbane, QLD, Australia), Zoltan Hantos, Lauren Willemsen, Attie Stadler, Aneesa Vanker, Bence Radics, Gergely Makan, Zoltan Gingl, Graham Hall, Peter Sly, Heather Zar, Diane Gray

**PA3334 Tongue strength evaluation in children with and without sleep disordered breathing**  
Melania Evangelisti (Rome, Italy), Susy Martella, Mario Barreto, Maria Pia Villa

**PA3335 Obstructive sleep apnea in children and adolescents with Ehlers-Danlos syndrome**  
Anna Stöberl (Zurich, Switzerland), Thomas Gaisl, Noriane Sievi, Florian Singer, Alexander Moeller, Marianne Rohrbach, Malcolm Kohler, Cecilia Giunta

**PA3336 Severe sleep obstructive apnea in children. Can respiratory polygraphy estimate pulmonary pressure and right heart function?**  
Olaiia Sardon Prado (SAN SEBASTIAN, Spain), Olaiia Sardon, Paula Corcuera, Erika Rezola, Miren Eizmendi, Maria Angeles Izquierdo, Javier Korta, Eduardo. G. Pérez-Yarza

**PA3337 Comparison of two biomarkers to assess severity of pediatric sleep disordered breathing**  
Melania Evangelisti (Rome, Italy), Mario Barreto, Marco Del Pozzo, Maria Pia Villa

**PA3338 Significant inconsistencies in the agreement of children's respiratory rate measurements between different observers**  
Will Daw (Sheffield, United Kingdom), Ruth Kingshott, Heather Elphick

**PA3339 Breathing disorders during sleep in premature infants with bronchopulmonary dysplasia and pulmonary hypertension**  
Anna Solomakha (ST PETERSBURG, Russian Federation), Natalya Petrova, Dmitriy Ivanov, Yuri Sviryaev

**PA3340 Impaired ribcage muscles function alters ribcage structure in spinal muscle atrophy (SMA) children**  
Antonella Lomauro (Milano, MI, Italy), Chiara Mastella, Giovanni Baranello, Andrea Aliverti

**PA3341 Early lung function impairment predicts respiratory morbidity in preterm infants with BPD.**  
Wilhelm Zetterquist (Saltsjobaden, Sweden), Aleksandra Kowalik, Ewa Henckel, Lars Lagerstrand, Kajsa Bohlin

- PA3342** **Hyperpolarised gas ventilation MRI detects early lung ventilation heterogeneity in children with primary ciliary dyskinesia**  
Laurie Smith (Sheffield, United Kingdom), Noreen West, Ho-Fung Chan, Felix Horn, Phil Chetcuti, Eduardo Moya, Helen Marshall, Jim Wild, Graham Norquay, Guilhem Collier, Madhwesha Rao
- PA3343** **Functional Magnetic Resonance Imaging as a new additional modality in the assessment of Primary Ciliary Dyskinesia**  
Sylvia Nyilas (Bern, Switzerland), Grzegorz Bauman, Gregor Sommer, Orso Pusterla, Florian Singer, Christoph Heyer, Anne Schlegtendal, Oliver Bieri, Cordula Koerner- Rettberg, Philipp Latzin
- PA3345** **Respiratory system impairments in children with mucopolysaccharidoses: Hurler and Hunter syndromes**  
Liliya Selimzyanova (Moscow, Russian Federation), Leyla Namazova-Baranova, Nato Vashakmadze, Elena Vishneva, Anait Gevorkyan, Ludmila Kuzenkova

## Green 2 (North) Session 404 09:00 - 10:30

### Professional development workshop: PDW7 Ethical issues in modern day respiratory research and medicine - Limited to 50 places.

**Aims :** Access educational materials here

**Target audience :** Allied health professional, Anaesthesiologist, Clinician, Educationalist, Fellow, Intensivist/critical care physician, Junior member, Occupational therapist, Oncologist, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Student, TB specialist, Thoracic surgeon, Trainee

**Chairs :** Sabine Bartel (Borstel, Germany)

<b>09:00</b>	<b>Introduction</b>	<b>3347</b>
<b>09:15</b>	<b>To treat or not to treat- Ethics and decision making in end stage lung disease</b> Sylvia Hartl (Wien, Austria)	<b>3348</b>
<b>09:45</b>	<b>Bad scientific practice. How to speed up your career. Or destroy it.</b> Matthias Wjst (Muncheu-Neuherberg, Germany)	<b>3349</b>
<b>10:15</b>	<b>Closing discussion</b>	<b>3350</b>

## Gold (South) Session 409 10:45 - 12:45

### Session: Live endoscopy: ILD and emphysema

**Aims :** Live endoscopy sessions will offer real-time insight in to some of respiratory medicine's most important clinical procedures – providing delegates with an opportunity to witness procedures carried out by experts followed by question and answer sessions. The live endoscopy sessions present fascinating opportunities for clinicians to learn more about a range of endoscopic techniques and discuss their applications and effectiveness.

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Clinician, Fellow, General practitioner, Intensivist/critical care physician, Nurse, Physiologist, Physiotherapist, Psychologist, Radiologist, Student

**Chairs :** Venerino Poletti (Forli, Italy), Dirk-Jan Slebos (Groningen, Netherlands), Martina Bonifazi (Ancona, AN, Italy)

<b>10:45</b>	<b>Introductory lecture: bronchoscopic interventions for ILD</b> Venerino Poletti (Forli, Italy)	<b>3363</b>
<b>10:55</b>	<b>EBUS-TBNA in sarcoidosis</b> Rocco Trisolini (Bologna, BO, Italy), Maren Schuhmann (Heidelberg, Germany)	<b>3364</b>
<b>11:15</b>	<b>CLE followed by cryobiopsy in ILD</b> Jouke T. Annema (Amsterdam, Netherlands), Jürgen Hetzel (Tuebningen, Germany), Lizzy Wijmans (Amsterdam, Netherlands)	<b>3365</b>
<b>11:35</b>	<b>Introductory lecture: bronchoscopic interventions for emphysema</b> Dirk-Jan Slebos (Groningen, Netherlands)	<b>3366</b>
<b>11:45</b>	<b>Valves in emphysema</b> Michela Bezzi (Firenze, Italy), Ralf Eberhardt (Heidelberg, Germany)	<b>3367</b>
<b>12:05</b>	<b>Coils in emphysema</b> Stefano Gasparini (Ancona, Italy), Charles-Hugo Marquette (Nice, France)	<b>3368</b>
<b>12:30</b>	<b>MCQ and Concluding remarks</b> Venerino Poletti (Forli, Italy), Dirk-Jan Slebos (Groningen, Netherlands)	<b>3369</b>



**Auditorium (South) Session 410 10:45 - 12:45****Symposium: Respiratory manifestations of gastrointestinal diseases**

**Aims :** To describe the respiratory manifestations of upper and lower gastrointestinal diseases, in particular, gastrointestinal reflux and inflammatory bowel disease. The main respiratory manifestations, including upper airway involvement, are COPD, bronchial asthma, cystic and non-cystic bronchiectasis, obstructive sleep apnoea, lung parenchyma like that seen in IPF, and aspiration pneumonitis. These will be discussed.

**Tag(s) :** Clinical

**Target audience :** Allergologist, Clinician, Educationalist, Fellow, General practitioner, Immunologist, Junior member, Lung function technician, Otolaryngologist, Paediatrician, Pathologist, Patient, Pharmaceutical industry representative, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Sleep specialist/technologist, Student

**Chairs :** Sara Tomassetti (Forlì, FO, Italy), Marlies S. Wijsenbeek (Rotterdam, Netherlands)

<b>10:45</b>	<b>Inflammatory bowel diseases and respiratory manifestations</b> Philippe Camus (Dijon, France)	<b>3370</b>
<b>11:15</b>	<b>Oesophageal disorders and lung injury</b> Michael Kreuter (Heidelberg, Germany)	<b>3371</b>
<b>11:45</b>	<b>Pancreatic disorders and lung manifestations</b> Elisabeth Bendstrup (Vejle, Denmark)	<b>3372</b>
<b>12:15</b>	<b>Hepatic diseases and lung manifestations</b> Joan Albert Barberà (Barcelona, Spain)	<b>3373</b>

**Silver (North) Session 411 10:45 - 12:45****Symposium: Cystic fibrosis in children and adults: treatment dilemmas**

**Aims :** The aim of this symposium is to highlight four areas of treatment in children and adults with cystic fibrosis that contain controversies and dilemmas, namely, the lung microbiome, newer anti-inflammatory therapies, nutrition, and adherence to treatment. Evidence that suggests how to resolve these problems will be described and discussed.

**Track(s) :** Respiratory infections Chronic airway diseases

**Tag(s) :** Paediatric

**Target audience :** Allied health professional, Clinician, Fellow, Junior member, Nurse, Paediatrician, Pharmaceutical industry representative, Pulmonologist, Researcher, Resident, Respiratory physician, Trainee

**Chairs :** Jane C. Davies (London, United Kingdom), Pierre-Régis Burgel (Paris, France)

<b>10:45</b>	<b>Ceremony for ERS Excellence Award for Research in Cystic Fibrosis</b> Ian Balfour-Lynn (London, United Kingdom)	<b>3374</b>
<b>10:55</b>	<b>Treating infection or the whole microbiome: which microbes do not matter?</b> Pavel Drevinek (Praha, Czech Republic)	<b>3375</b>
<b>11:19</b>	<b>Treating inflammation: should we bother?</b> Ian Balfour-Lynn (London, United Kingdom)	<b>3376</b>
<b>11:43</b>	<b>Treating nutrition: what about the patient's appetite?</b> Carla Colombo (Milan, Italy)	<b>3377</b>
<b>12:07</b>	<b>Patient testimonial</b> Zoe Elliott (Nottingham, United Kingdom)	<b>3378</b>
<b>12:19</b>	<b>Treating non-adherence: the rest is pointless if the drugs stay in the cupboard!</b> Trudy Havermans (LEUVEN, Belgium)	<b>3379</b>

**Bronze (Hall 4) Session 412 10:45 - 12:45****Session: Can we translate the microbiome from basic science to clinical practice?**

**A joint ERS/ATS session**

**Aims :** This symposium will focus on the understanding of the microbiome in health and respiratory disease conditions and its potential contribution for the future management of respiratory diseases.

**Track(s) :** Respiratory infections**Tag(s) :** Basic translational science**Target audience :** Allied health professional, Pathologist, Clinician, Emergency medicine doctor, General practitioner, Fellow, Epidemiologist, Junior member, Intensivist/critical care physician, Occupational therapist, Physiologist, Microbiologist, Trainee, Student, Scientist, Pulmonologist, Researcher, Respiratory physician**Chairs :** Antonio Anzueto (San Antonio, United States of America), Erika von Mutius (Munich, Germany)

10:45	<b>The source, richness and diversity of the lung microbiome</b> Robert Dickson (Ann Arbor, United States of America)	3380
11:15	<b>Host-microbiome interaction in the respiratory health</b> Niki D. J. Ubags (Epalinges, Switzerland)	3381
11:45	<b>The microbiome in chronic respiratory diseases</b> Sanjay Sethi (Buffalo, NY, United States of America)	3382
12:15	<b>What may come from microbiome in diagnosis, prevention and treatment opportunities of respiratory diseases?</b> Debby Bogaert (Edinburgh, United Kingdom)	3383

**Beige (South)****Session 413****10:45 - 12:45****Symposium: The latest in lung cancer  
a personalised affair throughout the continuum****Aims :** Lung cancer is one of the major fields in respiratory medicine - pneumologists have the expertise to treat and guide patients throughout its entire continuum in close collaboration with other relevant disciplines and professions. This session covers four selected hot topics which are in the current scientific spotlight of lung cancer care.**Track(s) :** Lung cancer**Tag(s) :** Clinical**Target audience :** Allied health professional, Clinician, Fellow, General practitioner, Immunologist, Intensivist/critical care physician, Junior member, Nurse, Oncologist, Pathologist, Patient, Pharmaceutical industry representative, Physiologist, Physiotherapist, Psychologist, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Social worker, Student, Thoracic endoscopist, Thoracic surgeon, Trainee**Chairs :** Jean-Paul Sculier (Bruxelles, Belgium), Achim Rittmeyer (Immenhausen, Germany)

10:45	<b>Immunotherapy in locally advanced and metastasized NSCLC: 2nd line, 1st line, liftoff!</b> Jair Bar (Tel Aviv, Israel)	3387
11:15	<b>CT screening for lung cancer: is it ready for prime time yet or how to enhance pre-test probability?</b> David Baldwin (Nottingham, United Kingdom)	3384
11:45	<b>Solid, liquid or volatile? What is the latest issue when diagnosing suspicious tissue in thoracic oncology?</b> Speaker to be confirmed	3385
12:15	<b>Diagnostic-therapeutic sequences in advanced NSCLC: how to best standardise and personalise your strategies</b> Anne-Marie Dingemans (MAASTRICHT, Netherlands)	3386

**Black (North)****Session 414****10:45 - 12:45****Hot topics: Global challenges in respiratory medicine****Aims :** To critically review and assess the current issues and challenges in the treatment and prevention of high-incidence and rare respiratory infections. To describe the available options to address the mismanagement of current public health threats.**Track(s) :** Respiratory infections**Tag(s) :** Basic translational science, Clinical**Target audience :** Allied health professional, Clinician, Emergency medicine doctor, Epidemiologist, Fellow, General practitioner, Immunologist, Intensivist/critical care physician, Junior member, Microbiologist, Paediatrician, Pathologist, Patient, Pharmaceutical industry representative, Public health official, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Scientist, Student, TB specialist, Thoracic surgeon, Trainee**Chairs :** Aran Singanayagam (London, United Kingdom), Antoni Torres (Barcelona, Spain)

10:45	<b>Impact of neglected tropical diseases on lung health</b> Charles Feldman (Johannesburg, South Africa)	3388
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11:15	<b>Promises and challenges of new TB treatment regimens</b> Andreas Henri Diacon (Tygerberg, South Africa)	3389
11:45	<b>Pneumococcal vaccination practices and recommendations around the world</b> Eva Polverino (Barcelona, Spain)	3390
12:15	<b>Panel discussion</b>	3391

## Purple (North) Session 415 10:45 - 12:45

### Symposium: Heterogeneity in COPD inflammation: implications for therapy and clinical outcomes

**Aims :** This scientific symposium aims to bring together pathologists, pharmacologists, and clinician scientists to discuss the heterogeneity in the mechanisms of inflammation in COPD, their link with therapy, and their association with altered lung structure and function. The specific aims of the session are (1) to provide insights into the nature and interpatient heterogeneity of the inflammatory response in COPD; (2) to link interpatient heterogeneity in inflammation to clinical outcomes and personalised therapy; and (3) to understand the nature and origin of the heterogeneity in the structural and functional changes in the COPD lung.

**Track(s) :** Chronic airway diseases

**Target audience :** Clinician, Junior member, Pathologist, Patient, Pharmaceutical industry representative, Physiologist, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Student, Trainee

**Chairs :** Guy Brusselle (Ghent, Belgium), Maria Rosa Faner Canet (Barcelona, Spain), Peter J. Barnes (London, United Kingdom)

10:45	<b>Gene expression signatures in airway and nasal epithelium of COPD: linking endotypes to clinical outcomes</b> Maarten van den Berge (Groningen, Netherlands)	3392
11:15	<b>Heterogeneity in the clinical outcomes of COPD: lessons from the ECLIPSE study</b> Jørgen Vestbo (Manchester, United Kingdom)	3393
11:45	<b>Molecular variations underlying the heterogeneity in lung function in COPD</b> Maen Obeidat (Vancouver, Canada)	3394
12:15	<b>Relationships between inflammatory markers, response to therapy, and lung function decline</b> Jadwiga Wedzicha (London, United Kingdom)	3395

## Red (North) Session 416 10:45 - 12:45

### Oral Presentation: Idiopathic pulmonary fibrosis (IPF): treatment highlights

**Chairs :** Athol Wells (London, United Kingdom), Katerina Antoniou (Heraklion, Crete, Greece)

OA3396	<b>Extracorporeal membrane oxygenation for the treatment of acute exacerbation of interstitial lung diseases</b> Shinichiro Ohshimo (Hiroshima, Japan), Yoshiko Kida, Michihito Kyo, Yasushi Horimasu, Hiroshi Iwamoto, Kazunori Fujitaka, Hironobu Hamada, Francesco Bonella, Josune Guzman, Ulrich Costabel, Nobuaki Shime, Noboru Hattori
OA3397	<b>Late Breaking Abstract - Six years experience of Pirfenidone treatment in IPF patients in Crete: Real life data</b> Konstantinos Karagiannis (Rhodes, Greece), Athina Trachalaki, Eleni Bibaki, Eirini Vasarmidi, George Papastratigakis, Stelios Michelakis, Evaggelia Stamataki, Despoina Moraitaki, Nikolaos Tzanakis, Katerina Antoniou
OA3399	<b>Patterns of discontinuation in the long-term RECAP study of pirfenidone (PFD) in patients with idiopathic pulmonary fibrosis (IPF)</b> Ulrich Costabel (Essen, Germany), Carlo Albera, Lisa H Lancaster, Joao A de Andrade, Benjamin Trzaskoma, Susan Limb, Paul W Noble
OA3400	<b>PRAISE, a randomized, placebo-controlled, double-blind Phase 2 clinical trial of pamrevlumab (FG-3019) in IPF patients</b> Luca Richeldi (Southampton, United Kingdom), Eduard Gorina, Ganesh Raghu, Evans Fernandez Perez, Ulrich Costabel, Carlo Albera, David Lederer, Kevin Flaherty, Neil Ettinger, Peter Bercz, Bhanu Singh, Rafael Perez, Jonathan Goldin, Elias Kouchakji, Seth Porter
OA3401	<b>Incidence of multiple progression events in patients with idiopathic pulmonary fibrosis (IPF) in the pooled CAPACITY and ASCEND trials</b> Steven D Nathan (Falls Church, United States of America), Ulrich Costabel, Ian Glaspole, Marilyn K. Glassberg, Lisa H. Lancaster, David J. Lederer, Carlos A. Pereria, Ben Trzaskoma, Susan Limb, Athol U. Wells
OA3402	<b>Long-term nintedanib treatment in idiopathic pulmonary fibrosis (IPF): new data from INPULSIS-ON</b> Bruno Crestani (Paris, France), Manuel Quaresma, Mitchell Kaye, Wibke Stansen, Susanne Stowasser, Michael Kreuter
OA3403	<b>Effect of nintedanib on composite physiologic index (CPI) in idiopathic pulmonary fibrosis (IPF)</b> Athol Wells (London, United Kingdom), Jürgen Behr, Wibke Stansen, Susanne Stowasser, Toby M. Maher

## Space 1 + 2 (South)

## Session 417

10:45 - 12:45

## Oral Presentation: Assessing the functional status of patients with COPD

Chairs : Wendy Darlene Reid (Vancouver, Canada), Fabio Pitta (Londrina, Brazil)

- OA3404** **Decline in function in preclinical COPD patients: a 6 years follow up study.**  
Matthias Loeckx (LEUVEN, Belgium), Fernanda Rodrigues, Heleen Demeyer, Miek Hornikx, Hans Van Remoortel, Wim Janssens, Thierry Troosters
- OA3405** **Cluster analysis identifying patients with COPD at high-risk of 2-year mortality: preliminary results.**  
Antenor Rodrigues (Londrina/Pr, Brazil), Carlos A. Camillo, Karina C. Furlanetto, Thais Paes, Andrea A. Morita, Thamyres Spositon, Leila Donaria, Nidia A. Hernandez, Fabio Pitta
- OA3406** **Identifying COPD patients at risk for worse symptoms, quality of life and self-efficacy: A cluster analysis**  
Celso R. F. Carvalho (SAO PAULO/SP, Brazil), Aline Costa Lopes, Rafaella Fagundes Xavier, Ana Carolina Alves Caporali, Rafael Stelmach, Frederico Leon Arrabal Fernandes, Samantha L Harrison
- OA3407** **The effect of an acute exacerbation of COPD (AECOPD) on balance after pulmonary rehabilitation (PR): a prospective study**  
Samantha Harrison (Middlesborough, United Kingdom), Tamara Araujo, Alan Batterham, Roger Goldstein, Dina Brooks
- OA3408** **Title: Physical activity from a patient's perspective can be partly explained by activity, capacity and balance tests in COPD patients**  
Veronica Barbier (Leuven, Belgium), Heleen Demeyer, Iris Coosemans, Ilse Muylaert, Lode Claes, Matthias Loeckx, Fernanda Rodrigues, Wim Janssens, Thierry Troosters
- OA3409** **Postural balance and predictors of falls in COPD patients**  
Rafaella Xavier (Sao Paulo/Sp, Brazil), Ana Carolina Pereira, Aline Lopes, Cibele Marques, Adriana Lunardi, Rafael Stelmach, Frederico Fernandes, Celso Carvalho
- OA3410** **Relationship between 1-minute and 5-repetition sit-to-stand tests in COPD**  
Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Ana Machado, Ana Oliveira, Hélder Melro, Sara Miranda, Lília Andrade

## Space 3 + 4 (South)

## Session 418

10:45 - 12:45

## Oral Presentation: New frontiers in home care management of chronic lung diseases

Chairs : Sebastian Fährndrich (Homburg/Saar, Germany), Frans H.C. De Jongh (Enschede, Netherlands)

- OA3411** **Ambulatory management of acute pulmonary embolism in a UK district hospital**  
Thomas Moore (Buckinghamshire, United Kingdom), John Corcoran, Elizabeth Henderson, Tina O'Hara, Charlotte Campbell
- OA3412** **Diaphragm dysfunction in patients with amyotrophic lateral sclerosis**  
Aylin Pihitli (Konya, Turkey), Züleyha Bingöl, Gülfer Okumu, Esen K. Yan
- OA3413** **Tele-monitoring in paediatric neuromuscular patients requiring home mechanical ventilation, multicentric study**  
Federica Trucco (GENOVA, GE, Italy), Marina Pedemonte, Fabrizio Racca, Raffaele Falsaperla, Catia Romano, Anette Wenzel, Paola Tacchetti, Cristina Bella, Claudio Bruno, Carlo Minetti
- OA3414** **The use of cough assist in children with neuromuscular diseases in a pediatric hospital with neuromuscular and chronic ventilation clinic**  
Laura Verweij- van den Oudenrijn (Utrecht, Netherlands), Esther Veldhoen
- OA3415** **Homecare setting of longterm augmentation therapy in alpha1 antitrypsin deficiency patients leads to clinical stabilization**  
Andreas Wilke (Berlin, Germany), Carmen Gross, Christian Grohé
- OA3416** **Alpha-1 antitrypsin (A1-PI) treatment slows emphysema progression independent of baseline FEV1**  
Joachim Ficker (Herzogenaurach, Germany), Kenneth R. Chapman, Alice Turner, Robert A. Sandhaus, Marion Wencker, Oliver Vit, Michael Fries, N. G. McElvaney
- OA3417** **Chronic Respiratory Failure in France from 2001 to 2015 in ANTADIR Federation**  
Boris Melloni (Limoges, France), Line Mounier, Jean-François Muir

## Pink (South)

## Session 419

10:45 - 12:45

## Oral Presentation: Infant lung disease: physiology, assessment and novel therapies

Chairs : Charles Christoph Roehr (Oxford, United Kingdom), Anna Lavizzari (, Italy)

- OA3418 Late Breaking Abstract - Nasal high-flow therapy (nHFT) as primary respiratory support for preterm infants without use of nasal continuous positive airways pressure (nCPAP).**  
Sanja Zivanovic (London, United Kingdom), Alexandra Scrivens, Raffaella Panza, Peter Reynolds, Kevin Ives, Nicola Laforgia, Charles Roehr
- OA3419 Postnatal steroids in preterm lambs: long term impact on lung mechanics and respiratory control**  
Chiara Veneroni (Milano, MI, Italy), Matteo Lepori, Monica Agazzi, Jonathan Pang, Peter Noble, Raffaele L. Dellaca', Jane Pillow
- OA3420 Maternal smoking in pregnancy increases the duration of home oxygen therapy in infants with bronchopulmonary dysplasia**  
Andrew Prayle (Nottingham, United Kingdom), Alison Davies, Alison Silverman, Sarah Spencer, Matthew N Hurley, Jayesh M Bhatt
- OA3421 Serum albumin as a mortality predictor in the Pediatric Intensive Care Unit (PICU)**  
Young Suh Kim (Seoul, Republic of Korea), In Suk Sol, Soo Yeon Kim, Jong Deok Kim, Yoon Hee Kim, Kyung Won Kim, Myung Hyun Sohn, Kyu-Earn Kim
- OA3422 Effect of maturity and infection on the rate of relaxation of the respiratory muscles in ventilated, newborn infants**  
Theodore Dassios (London, United Kingdom), Ourania Katsogianni, Anne Greenough, Paul Dixon
- OA3423 Recombinant human (rh)IGF-1/rhIGFBP-3 for prevention of bronchopulmonary dysplasia.**  
Chiara Poggi (Florence, Italy), Carlo Dani, Ingrid Hansen-Pupp, Olachi J. Mezu-Ndubuisi, Luca Ramenghi, Carmen Giannantonio, Peter Reynolds, Ajit Mahaveer, Jason D. Higginson, Mohamed Hamdani, Alexandra Mangili, Adina Tocoian, Emily Jochim, Norman Barton, David Ley, Boubou Hallberg, Ann Hellström
- OA3424 Shift in very preterm infants with oxyhaemoglobin saturation >94% in room air**  
Benjamin Stoecklin (Wembley, Australia), Jenny Svedenkrans, Gareth Jones, Jane Pillow
- OA3425 Longitudinal lung function following very premature birth**  
Christopher Harris (London, United Kingdom), Samuel Morris, Alan Lunt, Janet Peacock, Anne Greenough

**Brown 1 + 2 (South)****Session 420****10:45 - 12:45****Oral Presentation: Neuromuscular consequences of respiratory diseases****Chairs :** Samuel Vergès (Grenoble, France), Christina M. Spengler (Zürich, Switzerland)

- OA3426 Brain oxygenation state during the 6-minute walking test in patients with COPD**  
Tomoko Kutsuzawa (Isehara Kanagawa, Japan), Daisaku Kurita, Mayumi Ikeuchi, Satoshi Iwamoto, Munetaka Haida
- OA3427 Late Breaking Abstract - Is there a role for cardiopulmonary exercise testing in identifying COPD patients most likely to respond to morphine?**  
Sara Abdallah (Montréal, QC, Canada), Courtney Wilkinson-Maitland, Nathalie Saad, Pei Zhi-Li, Benjamin Smith, Jean Bourbeau, Dennis Jensen
- OA3428 Genetic variants predicting the response to endurance exercise training are also associated with skeletal muscle oxidative capacity in COPD**  
Harry Rossiter (Hermosa Beach, United States of America), Alessandra Adami, Michael Cho, Merry-Lynn McDonald, Brian Hobbs, Edwin Silverman, Janos Porszasz, William Stringer, Richard Casaburi
- OA3429 Smoking does not impair locomotor muscle oxidative capacity in humans with normal spirometry**  
Alessandra Adami (Torrance, United States of America), Janos Porszasz, Robert Calmelat, Robert Cao, William Stringer, Richard Casaburi, Harry B. Rossiter
- OA3430 Reduced ventilatory efficiency and muscle endurance in smokers with normal spirometry**  
Azmy Faisal Elsayed Ahmed (London, United Kingdom), Ahmad S Sadaka, Helen Purcell, Michael I Polkey, Nicholas S Hopkinson
- OA3431 Altered muscle metabolism and muscle mass in patients with COPD**  
Lennart H. Persson (Linköping, Sweden), Apostolos Sioutas, Magnus Kentson, Mikael Forsgren, Petra Jacobson, Olof Dahlqvist Leinhard, Peter Lundberg
- OA3432 Reduced voluntary activation and increased intracortical inhibition during leg extensions in severe obstructive sleep apnoea patients.**  
Mathieu MARILLIER (Echirolles, France), Mathieu GRUET, Sébastien BAILLIEUL, Thibault LE ROUX MALLOUF, Bernard WUYAM, Renaud TAMISIER, Patrick LEVY, Jean-Louis PEPIN, Samuel VERGES
- OA3433 Cortical disorders and muscle weakness in COPD: impact of neuromodulation on intracortical inhibition**  
Vincent Cabibel (Montpellier, France), Benjamin Le Toullec, Nicolas Oliver, Nelly Héraud, Alain Varray

## Yellow (North)

## Session 421

10:45 - 12:45

## Oral Presentation: Best abstracts in lung function

In honour of Prof. Waldemar Tomalak

Chairs : Jellien Makonga-Braaksma (Woudenberg, Netherlands), Aisling MCGowan (Dublin 15, Ireland)

- OA3434 Late Breaking Abstract - Applying artificial intelligence on pulmonary function tests improves the diagnostic accuracy**  
Marko Topalovic (LEUVEN, Belgium), Nilakash Das, Thierry Troosters, Marc Decramer, Wim Janssens
- OA3435 Effect of different mask design for measuring respiratory input impedance in pre-school children by forced oscillation technique (FOT)**  
Pasquale Pio Pompilio (Milano, MI, Italy), Delcourt Caroline, Alessandro Gobbi, Roberto Perissin, Raffaele Dellacà, Thierry Carvelli
- OA3436 Comparison between within-test and triplicate recordings of impedance by forced oscillation technique (FOT)**  
Alessandro Gobbi (Milano, MI, Italy), Claudia Calogero, Pasquale Pompilio, Grazia Fenu, Raffaele Dellaca, Enrico Lombardi
- OA3437 Forced oscillation technique: an alternative outcome measure for methacholine provocation test.**  
Rachel Ong-Salvador (Amsterdam, Netherlands), Erica Dijkers, Peter Sterk, Reindert van Steenwijk
- OA3438 Applying machine learning and pulmonary function data to detect interstitial lung disease in systemic sclerosis.**  
NHAT-NAM LE-DONG (Sorinnes, Belgium), THONG HUA-HUY, HUYEN-MI NGUYEN-NGOC, ANH-TUAN DINH-XUAN
- OA3439 Accuracy of the ATS/ERS decision tree in the interpretation of lung function tests in patients with interstitial lung diseases**  
Artem Tishkov (St Petersburg, Russian Federation), Marina Yu. Kameneva, Olga Yurieva, Olga Baranova, Ivetta Dvorakovskaya, Vasilij Trofimov
- OA3440 Comparison between results of spirometry performed with the ATS/ERS quantitative criteria and simple visual inspection criteria**  
Mikhail Chushkin (Moscow, Russian Federation), Lydia Popova , Oleg Ots, Olga Nenasheva, Petr Struchkov
- OA3441 Inspiratory capacity in healthy people living at moderate altitude.**  
Ieri Isadora Thirion Romero (COYOACAN, Mexico), SILVIA CID-JUAREZ, ROGELIO PEREZ-PADILLA, LAURA GOCHICOA-RANGEL, SELENE GUERRERO-ZUNIGA, LUIS TORRE-BOUSCOULET

## Brown 3 (South)

## Session 422

10:45 - 12:45

## Oral Presentation: Small airways, long distances and large databases in paediatric asthma

Chairs : Stephen Turner (Aberdeen, United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

- OA3442 Late Breaking Abstract - Comparison of the blood transcriptomic profiles of adults and children from the U-BIOPRED asthma study**  
Karen Affleck (Herts, United Kingdom), Adam Taylor, John H Riley, Stelios Pavlidis, Stewart Bates, Louise Fleming, Ian Adcock, James Schofield, Charles Auffray, Jeanette Bigler, Hans Bisgaard, Michael Boedigheimer, Klaus Bonnelykke, Andrew Bush, K Fan Chung, Ratko Djukanovic, Urs Frey, Stephen Fowler, Simone Hashimoto, Aruna T Bansal, Gunila Hedlin, Xuguang Hu, Clare Murray, Bjorn Nordlund, Dominick Shaw, Florian Singer, Peter Sterk, Ana R Sousa, Wim Van Aalderen, Scott Wagers, Wen Yu, Graham Roberts
- OA3443 Effectiveness of technology in increasing asthma management knowledge and self-confidence in school staff**  
Melinda Gray (Sydney, NSW, Australia), Stephanie Francis , Christine Burns, Nusrat Homaira, Adam Jaffe
- OA3444 Respiratory Function at 6 weeks of age is associated with the development of bronchiolitis in infants born to mothers with asthma during pregnancy**  
Patricia de Gouveia Belinelo (Newcastle, Australia), Kathryn Jesson, Adam Collison, Vanessa Murphy, Paul Robinson, Kate Hardaker , Peter Sly, Peter Gibson, Joerg Mattes
- OA3445 Subclinical small-airway dysfunction precedes the development of asthma in children with allergic rhinitis**  
Sotirios Fouzas (Patras, Greece), Eleni Skylogianni, Maria Triga, Michael Anthracopoulos, Kostas Bolis
- OA3446 Astma in preschool – abnormal lung function at teenage?**  
Katariina Lajunen (Espoo, Finland), Anne Kotaniemi-Syrjänen, Anna Pelkonen, Pekka Malmberg, Mika Mäkelä, Satu Kalliola
- OA3447 Safety signals concerning asthma drugs in children**  
Esmé J. Baan (Rotterdam, Netherlands), Veronique De Smet, Esmé Baan, Alexandra C Pacurariu, Miriam C J M Sturkenboom, Johan C De Jongste, Hettie M Janssens, Katia M Verhamme

**OA3448 Using remote directly observed therapy (R-DOT) for optimising asthma therapy.**  
Michael Shields (Belfast, United Kingdom), Fahad Alqahtani, Mike Rivey, James McElnay

**OA3449 Antibiotic use in children with asthma**  
Esmé J. Baan (Rotterdam, Netherlands), Esmé Baan, Hettie Janssens, Tine Kerckaert, Johan De Jongste, Miriam Sturkenboom, Katia Verhamme

**Amber 1 + 2 (South)****Session 423****10:45 - 12:45****Poster Discussion: Best abstracts in physical activity and management of COPD**

**Chairs :** Michael Steiner (Leicester, United Kingdom), Zafeiris Louvaris (Leuven, Belgium)

**PA3450 Acute effects of non-invasive ventilation during exercise in hypercapnic COPD patients – preliminary results of a randomized cross-over trial**  
Rainer Gloeckl (Schoenau am Koenigssee, Germany), Julian Oversohl, Vasileios Andrianopoulos, Antje Stegemann, Klaus Kenn

**PA3451 Relationship between physical activity, muscle thickness, and echo intensity in patients with chronic obstructive pulmonary disease: a cross-sectional study.**  
Akira Tamaki (Kobe, Japan), Genki Kawaura, Chiharu Fujisawa, Hideki Ikushima

**PA3452 Palliative and end of life care conversations in COPD - a systematic literature review**  
Nuno Tavares (Portsmouth, United Kingdom), Nikki Jarrett, Katherine Hunt, Tom Wilkinson

**PA3453 Physical activity of patients with occupational lung diseases**  
Katrin Mueller (Leipzig, Germany), Nicola Kotschy-Lang, Silke König, Petra Wagner

**PA3454 Longitudinal change in self-reported physical activity (SRPA) is useful among patients with COPD**  
David Coultas (Portland, United States of America), Bradford Jackson, Karan Singh, Sejong Bae

**PA3455 Inspiratory muscle training in patients with pulmonary hypertension:pilot study**  
Elif Develi (istanbul, Turkey), Goksen Kuran Aslan, Buket Akinci, pek Yeldan, Gulfer Okumus

**PA3456 Effects of self-management action plans for COPD patients with comorbidities on health status and self-efficacy**  
Anke Lenferink (Oldenzaal, Netherlands), Job van der Palen, Paul van der Valk, Paul Cafarella, Anneke van Veen, Steve Quinn, C Groothuis-Oudshoorn, Morton Burt, Mary Young, Peter Frith, Tanja Effing

**PA3457 IS IRON DEFICIENCY MODULATING PHYSICAL ACTIVITY IN COPD?**  
Diego Agustin Rodriguez Chiaradia (Barcelona, Spain), Anna Rodó-Pin, Antonio Sancho-Muñoz, Ignacio Vicente, Mireia Admetllo, Juana Mª Martinez-Llorens, Joaquim Gea, Lluís Molina

**PA3458 An exploration of physical activity and sedentary behaviour during hospitalisation for acute exacerbation of chronic respiratory diseases**  
Ismet Boral (LEICESTER, United Kingdom), Mark Orme, Theresa Harvey-Dunstan, Neil Greening, Syed Hussain, Michael Morgan, Michael Steiner, Sally Singh

**PA3459 Effect of tele healthcare on quality of life in patients with severe COPD: a randomized clinical trial**  
Charlotte Suppli Ulrik (Virum, Denmark), Oliver Tupper, Gregersen Thorbjørn L, Thomas Ringbæk, Eva Brøndum, Ejvind Frausing, Allan Green

**PA3460 Accuracy of a transcutaneous carbon dioxide monitor during the 6-minute walk test in COPD patients - a pilot study**  
Tessa Schneeberger (Schönau am Königssee, Germany), Vasileios Andrianopoulos, Rainer Gloeckl, Inga Jarosch, Klaus Kenn

**PA3461 Ensemble machine learning for the early detection of COPD exacerbations**  
Habiboulaye Amadou Boubacar (Jouy-en-Josas, France), Joëlle Texereau

**PA3462 Can introduction of palliative care limit ICU, emergency and hospital admissions in severe COPD?**  
Jean-Paul Janssens (Genève, Switzerland), Catherine Weber, Jérôme Stirnemann, François Herrmann, Chloë Cantero, Caroline Matis, Ludivine Boiche-Brouillard, Roselyne Merlet-Viollet, Sophie Pautex

**PA3463 Rectus femoris cross-sectional area in COPD: are there functionally relevant cut-points?**  
Suhani Patel (Harefield, United Kingdom), Claire M Nolan, Ruth E Barker, Sarah E Jones, Matthew M Maddocks, Samantha SC Kon, Michael I Polkey, William D-C Man

**PA3464 Palliation and the use of diagnostic tests in patients dying in hospital from COPD**  
Natasha Smallwood (Melbourne, VIC, Australia), Lauren Ross, John Taverner, Claire Bartlett, Jennifer Philip, Louis Irving

**PA3465 Screening for COPD and asthma in acutely admitted psychiatric patients: feasible and with a low number of patients needed to screen.**  
Uffe Bodtger (Holmegaard, Denmark), Julie M Midtgarden, Nicolai Renstrom

**PA3466 Long-term nasal high flow treatment with oxygen in COPD - exacerbations, admissions and mortality**  
Ulla Weinreich (Ålborg, Denmark), Line Storgaard, Hans Hockey

**PA3467 The longitudinal association of daily physical activity and symptoms of exacerbations in COPD patients**  
Sarah Crook (Zürich, Switzerland), Gilbert Büsching, Stephan Keusch, Alexander Turk, Martin Frey, Milo A. Puhan, Anja Frei, Tsung Yu

**Amber 3 + 4 (South)****Session 424****10:45 - 12:45****Poster Discussion: Cellular signalling pathways in pulmonary fibrosis****Chairs :** Janette K. Burgess (Groningen, Netherlands), Michael Beers (Wayne, United States of America)

**PA3468 LSC - 2017 - mTOR-mediated cap-dependent translation is essential for human lung myofibroblast differentiation and collagen I synthesis**  
Jessica Eley (London, United Kingdom), Hannah V Woodcock, Carmel B Nanthakumar, Paul F Mercer, Rachel C Chambers

**PA3469 LSC - 2017 - RNA-Seq analysis reveals major differences between the effects of rapamycin and dual mTORC1/2 inhibition during TGFβ1-induced myofibroblast differentiation**  
Manuela Platé (London, United Kingdom), Hannah Woodcock, Paul F. Mercer, Adam Taylor, Andy Blanchard, Rachel C. Chambers

**PA3470 LSC - 2017 - Targeting glucose metabolism in experimental lung injury and fibrosis**  
Ellen Forty (London, United Kingdom), Ilan Azuelos, Tammy Kalber, Thibault Gendron, May Zaw-Thin, Giovanni Vitulli, John Barrett, Dimitrios Anastasiou, Paul Mercer, Andy Blanchard, Rachel Chambers

**PA3471 LSC - 2017 - Senolytic drugs target alveolar epithelial cell function and attenuate experimental lung fibrosis ex vivo**  
Mareike Lehmann (München, Germany), Kathrin Mutze, Martina Korfei, Stephan Klee, Darcy Wagner, Rita Costa, Herbert Schiller, Andreas Günther, Melanie Königshoff

**PA3472 Proteome turnover analysis in human lung scaffold cultures with stable isotope labelling**  
Oskar Johansson (Lund, Sweden), Emma Åhrman, Catharina Müller, Linda Elowsson, Leif Eriksson, Xiao-Hong Zhou, Oskar Hallgren, Anders Malmström, Anna-Karin Larsson-Callerfelt, Gunilla Westergren-Thorsson, Johan Malmström

**PA3473 Azithromycin-mediated CHIP regulation promotes proteasomal degradation of NOX4.**  
Kazuya Tsubouchi (Tokyo, Japan), Jun Araya, Shunsuke Minagawa, Hiromichi Hara, Nayuta Saito, Akihiro Ichikawa, Nahoko Sato, Masahiro Yoshida, Yusuke Kurita, Takanori Numata, Yumi Kaneko, Katsutoshi Nakayama, Kazuyoshi Kuwano

**PA3474 Protein tyrosine phosphatase-alpha (PTP ) promotes profibrotic responses in lung fibroblasts**  
Gregory P. Downey (Denver, United States of America), Yael Aschner

**PA3475 Modulation of collagen formation and crosslinking in the Scar-in-a-Jar model**  
Jannie Sand (Herlev, Denmark), Diana Leeming, Federica Genovese, Morten Karsdal, Simon Cruwys, Sarah Brockbank

**PA3476 Evaluation of novel LOXL2-selective inhibitors in models of pulmonary fibrosis**  
James Roberts (Southampton, United Kingdom), Victoria Tear, Kerry Lunn, Lucy Cao, James Murphy, Chiko Shimbori, Jewel Imani, Karun Tandon, Ehab Ayaub, Mark Jones, Donna Davies, Wolfgang Jarolimek, Kjetil Ask, Jack Gauldie, Martin Kolb, Phillip Monk

**PA3477 Macrophages induce a divergent fibrotic response, in human lung fibroblasts, compared to TGF- alone**  
Natasja Gudmann (Herlev, Denmark), Samuel J. Daniels, Mette J. Nielsen, Diana J. Leeming, Detlef Schuppan, Morten A. Karsdal

**PA3478 Nintedanib prevents IL-6-mediated secretion of CCL-18 in alternatively activated macrophages and transition of fibroblasts to myofibroblasts**  
Kjetil Ask (Hamilton, ON, Canada), Karun Tandon, Ehab Ayaub, James Murphy, Pavithra Parthasarathy, Nafis Wazed, Hemisha Patel, Anmar Ayob, Martin Kolb, Stefan-Lutz Wollin, Franziska Herrmann, Maximilian Ackermann

**PA3479 Elevated integrin 5 expression in idiopathic pulmonary fibrosis (IPF) derived fibroblasts is linked to paracrine TNF- signaling**  
Gali Epstein Shochet (Kfar-Saba, Israel), Elizabetha Brook, Lilach Israeli-Shani, David Shitrit, Evgeny Edelstein



- PA3480** **Feasibility, distribution, and efficacy of an inhaled oligonucleotide mimic of miR-29 for pulmonary fibrosis induced by bleomycin in rats**  
Rusty Montgomery (Boulder, United States of America), Guoying Yu, Farida Ahangari, Jose Herazo-Maya, Linda Pestano, Christina Dalby, Brent Dickinson, Catherine Nicholas, Corrie Gallant-Behm, Jeremy Brower, Philip Kuehl, Jacob McDonald, Naftali Kaminski
- PA3481** **Dual-targeting of peripheral cannabinoid-1 receptors and inducible NO synthase in pulmonary fibrosis**  
Resat Cinar (Rockville, United States of America), Bernadette Gochuico, Malliga Iyer, Joshua Park, Nathan Coffey, Tadafumi Yokoyama, Tony Jourdan, William Gahl, George Kunos
- PA3482** **Alveolar type 2 cell dysfunction from expression of a surfactant protein C (SFTPC) mutation drives a fibrotic lung phenotype in mice**  
Michael Beers (Wayne, United States of America), Yaniv Tomer, Scott Russo, Alessandro Venosa, Surafel Mulugeta, Shin-Ichi Nureki
- PA3483** **Alpha1-Antitrypsin reduces endoplasmic reticulum stress, inflammatory cytokines and improves wound repair in alveolar epithelial cells of fibrotic lung in vitro**  
Izabela Nita (Bern, Switzerland), Cedric Vonarburg, Rolf Spirig, Sylvia Miescher, Thomas Geiser, Amiq Gazdhar
- PA3484** **Consensus network analysis reveals pathways associated with lung function decline in both COPD and IPF**  
John McDonough (Leuven, Belgium), Bart Vanaudenaerde, Wim Wuyts, Naftali Kaminski

Amber 5 + 6 (South)

Session 425

10:45 - 12:45

**Poster Discussion: MDR-TB: detection and management**

Chairs : Heinke Kunst (London, United Kingdom), Dumitru Chesov (Chisinau, Republic of Moldova)

- PA3485** **Is prevalence of MDR TB and XDR TB decreasing in a tertiary care hospital in India?**  
Madhav Kale (Pune (Maharashtra), India), Parag Khatavkar, Meenakshi Satpute, Nilima Telang
- PA3486** **Linezolid Experience Among MDR-TB Patients in Mumbai**  
Radhika Banka (MUMBAI (MAHARASHTRA), India), Jeffrey Tornheim, Shashank Ganatra, Andrea Deluca, Radhika Banka, Camilla Rodrigues, Amita Gupta, Zarir Udwadia
- PA3487** **Bedaquiline-containing regimens for chronic XDR-TB patients: up to 120 weeks after initiation**  
Sergejj Evgenievich Borisov (Moscow, Russian Federation), Alex Filippov, Taisiya Ivanushkina, Diana Ivanova, Natalia Litvinova
- PA3488** **Simultaneous detection of XDR genetic determinants and Mycobacterium tuberculosis genotyping by TB-TEST.**  
Elena Nosova (Moscow, Russian Federation), Anastasia Khakhalina, Alexandra Isakova, Ksenia Galkina, Maria Krasnova, Marina Makarova, Lyumila Krilova, George Freiman, Svetlana Safonova
- PA3489** **Rapid Detection of Isoniazid and Rifampicin Resistance in Mycobacterium tuberculosis Strains Using Allele-specific PCR**  
Govind Narayan Srivastava (Varanasi (Uttar Pradesh), India), Pallavi Sinha, Shampa Anupurba
- PA3491** **MDR-TB treatment efficacy according of conventional method and Xpert MTB/RIF results in Republic of Moldova.**  
Alina Malic (Chisinau, Republic of Moldova), Valentina Vilc
- PA3492** **Impact of mono- and poli-resistance on the treatment outcomes of pulmonary tuberculosis**  
Lesnic Evelina (Chisinau, Republic of Moldova), Adriana Niguleanu, Aurelia Ustian
- PA3493** **The efficiency of including the II-line drugs to the treatment regimen of isoniazid-resistant tuberculosis.**  
Olga Hovardovska (Kharkiv, Ukraine), Olga Schevchenko
- PA3494** **Treatment outcomes in patients with multidrug-resistant tuberculosis in Japan, 2011-2013**  
NOBUYUKI KOBAYASHI (Kiyose, Tokyo, Japan), TOSHIO HATTORI, SHAMIMA AKTER, TETSUYA MIZOUE, KEN OHTA
- PA3495** **Totally implantable central venous access ports for M/XDR-TB treatment**  
Aliaksandr Skrahin (Minsk, Belarus), Dmitri Pechinski, Nikolai Makovski, Kirill Dobysh, Animesh Sinha, Mikhail Kmyz, Hanna Hlushanina, Alena Skrahina
- PA3496** **Features of intravenous anti TB therapy in patients with first diagnosed pulmonary TB in the intensive phase of treatment**  
Mykhailo Kuzhko (Kyiv, Ukraine), Mykola Gumeniuk, Dmytro Butov, Tetiana Tlustova, Oleksii Denysov, Tetiana Sprynsian

- PA3497 Video observed treatment for tuberculosis patients in Belarus**  
Alena Skrahina (Minsk region, Belarus), Dennis Falzon, Valiantsin Rusovich, Liudmila Zhylevich, Masoud Dara, Heorhi Sinkou, Pierpaolo de Colombani, Andrei Dadu, Alistair Story, Viatcheslav Grankov, Henadz Hurevich
- PA3498 Retrospective case-control study of risk factors for recurrent tuberculosis in Singapore**  
Suay Hong Gan (Singapore, Singapore), Kyi Win Khinmar, Cynthia Bin Eng Chee, Leo Kang Yang Leo, Vernon Jian Ming Lee, Yee Tang Wang
- PA3499 Changes in the lung in radiological studies in children with a positive tuberculin skin test.**  
Pavel Gavrilov (St Petersburg, Russian Federation), Anna Starshinova, Xenia Pribytok, Anastasia Sinitcina
- PA3500 The potentials of multi-slice computed tomography (MSCT) and single-photon emission computed tomography (SPECT) in differentiation of pulmonary granulomatoses**  
Rasul Amansahedov (Moscow, Russian Federation), Andrey Perfiliev, Anatoly Sigaev, Larisa Lepekha, Olga Demikhova, Atadzhan Ergeshov
- PA3501 Express detection and differentiation of M. tuberculosis and nontuberculous mycobacteria in samples**  
Atadzhan Ergeshov (Staraya Kupavna, Russian Federation), Tatiana Smirnova, Vera Ustinova, Irina Andrievskaya, Sofia Andrievskaya, Elena Larionova, Larisa Chernousova

## Amber 7 + 8 (South)

## Session 426

10:45 - 12:45

## Poster Discussion: Asthma from childhood to adulthood and ACOS

Chairs : Eva Rönmark (Lulea, Sweden), Chair to be confirmed

- PA3502 Late Breaking Abstract - Mothers' preconception overweight and offspring asthma**  
Marianne Lønnebotn (Bergen, Norway), Lucia Calciano, Ane Johannessen, Randi Bertelsen, Mathias Holm, Rain Jogi, Jorunn Kirkeleit, Caroline Lodge, Andrei Malinovschi, Jesus Martinez-Moratalla Rovira, Roy Miodini Nilsen, José Luis Sanchez-Ramos, Vivi Schlunssen, Francisco Gomez Real, Simone Accordini, Cecilie Svanes, Deborah Jarvis
- PA3503 Polysensitization and allergic multimorbidity: the extreme allergy phenotype from childhood to adulthood.**  
Valerie Siroux (La Tronche, France), Natalia Ballardini, Marion Soler, Christian Lupinek, Anne Boudier, Isabelle Pin, Jocelyne Just, Rachel Nadif, Erik Melen, Rudolf Valenta, Magnus Wickman, Jean Bousquet
- PA3505 Wheezing Characterisation of the Isle of Wight Birth Cohort at 26 Years**  
Claire Hodgekiss (Chichester, United Kingdom), Hasan Arsahd, Graham Roberts, John Holloway, Maria Larsson, Ramesh Kurukulaaratchy
- PA3506 Epigenome-wide association study of asthma and wheeze in childhood and adolescence.**  
Ryan Arathimos (BRISTOL, United Kingdom), Matthew Suderman, Gemma Sharp, Kimberley Burrows, Raquel Granell, Kate Tilling, Rebecca Richmond, Philip Haycock, Caroline Relton
- PA3507 Is LTRA more effective than ICS in asthmatic children with excess weight?**  
Cristina Longo (Montréal, QC, Canada), Gillian Bartlett, Tibor Schuster, Tracie Barnett, Francine Ducharme
- PA3508 Respiratory health and dietary patterns in adults from ECRHS III**  
Liliya Chamitava (Verona, Italy), Ioannis Bakolis, Peter G.J. Burney, M. Elisabetta Zanolin, Deborah Jarvis, Vanessa Garcia-Larsen, \* on behalf of the ECRHS III Nutrition Working Group
- PA3509 Socioeconomic deprivation and inequalities in asthma care in Wales**  
Mohammad Al Sallakh (Swansea, United Kingdom), Gwyneth Davies, Ronan Lyons, Sarah Rodgers, Aziz Sheikh
- PA3510 Depression in asthma and rhinitis: preliminary results from the GEIRD study.**  
Giancarlo Pesce (Verona, Vr, Italy), Davide Grataroli, Pierpaolo Marchetti, Alessandro Marcon, Marcello Ferrari, Alessandro Fois, Giuseppe Verlato, Salvatore Battaglia, Angelo Corsico, Pavilio Piccioni
- PA3511 The role of TRAP exposure in the development and persistence of asthma and low lung function**  
Gayana Bowatte (Reservoir, Australia), Caroline Lodge, Luke Knibbs, Adrian Lowe, Bircan Erbas, Martine Dennekamp, Jennifer Perret, Graham Giles, Bin Jalaludin, Guy Marks, Michael Abramson, Haydn Walters, Shyamali Dharmage
- PA3512 How often do asthma patients claim prescribed therapy?**  
Manon Belhassen (LYON, France), Marjorie Bérard, Alexandra Dima, Marine Ginoux, Eric Van Ganse
- PA3513 Outdoor air pollution, 8-isoprostanes and asthma in adults of the EGEA study**  
Anaïs Havet (Villejuif, France), Anaïs Havet, Farid Zerimech, Margaux Sanchez, Hélène Huyvaert, Nicole Le Moual, Valérie Siroux, Bénédicte Jacquemin, Régis Matran, Rachel Nadif
- PA3514 Sleep disturbances and physical inactivity impair health related quality of life in adult asthmatics**  
Malin Axelsson (Malmö, Sweden), Mai Leander, Helena Backman, Linnéa Hedman, Eva Rönmark

- PA3515 Incidence and risk factors of chronic airway obstruction (ACOS) in a population-based asthma cohort**  
Sven-Arne Jansson (Umeå, Sweden), Helena Backman, Anne Lindberg, Bo Lundbäck, Eva Rönmark
- PA3516 The prevalence and symptom profile of asthma-COPD overlap: The HUNT Study**  
Anne Hildur Henriksen (Trondheim, Norway), Ben Brumpton, Arnulf Langhammer, Xiao-Mei Mai, Sigurd Steinshamm
- PA3517 Therapeutic ratios predict asthma control in the ASTROLAB cohort**  
Manon Belhassen (LYON, France), Alexandra Dima, Maeva Nolin, Nathalie Texier, Montse Ferrer, Marijn de Bruin, Eric Van Ganse, - Astrolab Group
- PA3518 Thunderstorm Asthma in Australia – characteristics of a silent cohort**  
Michael J. Abramson (Melbourne, VIC, Australia), Daniel Clayton-Chubb, Kanishka Rangamuwa, David Taylor, Francis Thien, Vikas Wadhwa
- PA3519 Different relations of exhaled nitric oxide with age and ex-smoking in healthy middle-aged men and women**  
Andrei Malinowski (Uppsala, Sweden), Deborah Jarvis, Mario Olivieri, Anna-Carin Olin, Christer Janson, Thorarinn Gislason

## Blue 1 (North)

## Session 427

10:45 - 12:45

## Poster Discussion: Outcomes and new treatment strategies in pulmonary hypertension

Chairs : Marc Humbert (Paris, France), Rogério De Souza (Sao Paulo/Sp, Brazil)

- PA3520 Late Breaking Abstract - Long-term outcome of perioperative extracorporeal membrane oxygenation (ECMO) in patients undergoing pulmonary endarterectomy (PEA).**  
Emilia Wietlik (Warszawa, Poland), Jo-Anne Fowles, Steven Frost, Joanna Pepke-Zaba, Dolores Taboada, Mark Toshner, John Cannon, Karen Sheares, John Dunning, Steven Tsui, Choo Ng, David Jenkins, Alain Vuylsteke
- PA3521 Is there an obesity paradox in pulmonary arterial hypertension?**  
Jason Weatherald (Calgary, AB, Canada), Alice Huertas, Athénaïs Boucly, Olivier Sitbon, Marc Humbert, Gérald Simonneau, David Montani, Laurent Savale, Xavier Jaïs
- PA3522 Hispanic patients with pulmonary arterial hypertension: Preliminary results from a contemporary national registry**  
Jose Gomez-Arroyo (Cincinnati, United States of America), Claudia E. Guillen, Jorge Daniel Sierra-Lara, Jose Manuel Arriaga-Lopez, Rodrigo Zebadua-Torres, Jorge Padilla-Ibarra, Nayeli Zayas, Tomas Pulido-Zamudio, Julio Sandoval
- PA3523 Supraventricular Arrhythmias in Pulmonary Arterial Hypertension**  
Valentina Mercurio (Baltimore, United States of America), Grace Peloquin, Khalil Bourji, Blessing Enobun, Traci Houston, Todd Kolb, Rachel Damico, Stephen Mathai, Paul Hassoun
- PA3524 Effect of targeted therapies on survival of schistosomiasis associated pulmonary arterial hypertension**  
Bruna Mamprim Piloto (SAO PAULO/SP, Brazil), Marcela Araújo Castro, Francisca Gavilanes, José Leonidas Alves Jr., Luis Felipe Lopes Prada, Luciana Tamie Kato Morinaga, Susana Hoette, Carlos Jardim, Caio Julio Cesar dos Santos Fernandes, Rogério Souza
- PA3525 Clinical phenotypes and outcomes of pulmonary hypertension due to left heart disease: role of the pre-capillary component**  
Sergio Caravita (Milano, MI, Italy), Andrea Faini, Antoine Bondue, Robert Naeije, Gianfranco Parati, Jean-Luc Vachiéry
- PA3526 Outcomes of patients with precapillary pulmonary hypertension admitted to an intensive care unit for acute right heart failure.**  
Laurent Savale (Le Kremlin Bicêtre, France), Constance Vuillard, Xavier Jaïs, Caroline Sattler, Athénaïs Boucly, David Montani, Gerald Simonneau, Olivier Sitbon, Marc Humbert
- PA3527 Risk categories from European guidelines applied to the French Pulmonary Hypertension (PH) registry**  
Athénaïs Boucly (PARIS, France), Jason Weatherald, Xavier Jaïs, Vincent Cottin, Laurent Savale, Grégoire Prévot, François Picard, Pascal De Groote, Caroline O'Connell, Emmanuel Bergot, Ari Chaouat, Celine Chabanne, Arnaud Bourdin, Laurence Rottat, David Montani, Gerald Simonneau, Marc Humbert, Olivier Sitbon
- PA3528 Multi-step therapy with riociguat, balloon pulmonary angioplasty, and cardiac rehabilitation for inoperable chronic thromboembolic pulmonary hypertension**  
Shigefumi Fukui (Osaka, Japan), Takeshi Ogo, Yoichi Goto, Nao Konagai, Ryotaro Asano, Jin Ueda, Akihiro Tsuji, Yoshiaki Morita, Tetsuya Fukuda, Norifumi Nakanishi, Satoshi Yasuda
- PA3529 Poor Subpleural Perfusion as a predictor of Failure after Balloon Pulmonary Angioplasty for non-operable Chronic Thromboembolic Pulmonary Hypertension**  
Yu Taniguchi (Paris, France), Philippe Brenot, Xavier Jaïs, Carlos Garcia, Olivier Planche, Elie Fadel, Marc Humbert, Gérald Simonneau

- PA3530** **Audit of disease targeted therapies in adult patients with pulmonary arterial hypertension**  
Wendy Gin-Sing (London, United Kingdom), Simon Gibbs, Luke Howard, Rachel Davies, George Villa, Margaret Lau-Walker, Geraldine Lee
- PA3531** **Effect of long-term oxygen therapy on exercise capacity and quality of life in exercise-desaturating patients with pulmonary arterial or chronic thromboembolic pulmonary hypertension: a randomized-sham-controlled cross-over trial**  
Silvia Ulrich (Zurich, Switzerland), Stéphanie Saxer, Elisabeth Hasler, Esther Schwarz, Simon Schneider, Micheal Furian, Patrick R. Bader, Mona Lichtblau, Konrad E. Bloch
- PA3532** **Initial combination of macitentan and tadalafil in newly diagnosed patients with pulmonary arterial hypertension (PAH): results from the OPTIMA study**  
Olivier Sitbon (Le Kremlin-Bicêtre, France), Matthieu Canuet, François Picard, Grégoire Prévot, Emmanuel Bergot, Vincent Cottin, Fabrice Bauer, Bruno Degano, Virginie Gressin, Pierre Clerson, Gérald Simonneau
- PA3533** **Safety and efficacy of immunoabsorption as an add-on to medical treatment in patients with idiopathic pulmonary arterial hypertension**  
Benjamin Egenlauf (Heidelberg, Germany), Christian Nagel, Ralf Ewert, Hans Lehmkuhl, Stephan Rosenkranz, Nicola Benjamin, Vedat Schwenger, Felix Herth, Ekkehard Grünig
- PA3534** **Safety of riociguat for the treatment of pulmonary hypertension: Data from the EXPERT registry**  
Henning Gall (Giessen, Germany), Hossein-Ardeschir Ghofrani, Marc Humbert, Gérald Simonneau, Ekkehard Grünig, Hans Klohe, Michael Halank, David Langleben, Lisa M. Mielniczuk, Jean-Luc Vachiéry, Hubert Wirtz, Tobias Lange, Pilar Escribano, Douglas S Helmersen, Joanna Pepke-Zaba, Iraklis Tsangaris, Anco Boonstra, Joan Albert Barberá, Repke J. Snijder, Regina Mascherbauer, Marion Delcroix, Miguel Angel Gómez Sánchez, Jens Klotsche, Christian Meier, David Pittrow, Marius M. Hoeper
- PA3536** **Transitioning pulmonary arterial hypertension patients from bosentan to macitentan: efficacy and safety data.**  
Mario Santos (Porto, Portugal), Fabienne Gonçalves, Luísa Carvalho, Abílio Reis
- PA3537** **Prognostic impact of exercise pulmonary hypertension**  
Rudolf Oliveira (SAO PAULO/SP, Brazil), Rudolf Oliveira, Mariana Faria-Urbina, Bradley Maron, Alexander Opatowsky, Aaron Waxman, David Systrom, Wei Huang

## Blue 2 (North)

## Session 428

10:45 - 12:45

## Poster Discussion: Asthma and allergy: from the bench to the bedside

Chairs : Isabelle Vachier (Montpellier, France), Sven-Erik Dahlén (Stockholm, Sweden)

- PA3538** **LSC - 2017 - IL-1R1 but not IL-18Rbeta or IL-18BP contribute to the beneficial effects of IL-37 on experimental asthma**  
Michael Wegmann (Borstel, Germany), Alexandra Schröder, Lars Lunding, Sina Webering, Christina Vock, Heinz Fehrenbach, Michael Wegmann
- PA3539** **LSC - 2017 - Evaluation the effect of bronchoconstriction on airway epithelial cells responses in asthma**  
Maria Ester Quesada Del Bosque (Southampton, United Kingdom), Hitasha Rupani, Arjana Sivaloganathan, Peter Howarth, Tilman Sanchez Elsnér
- PA3540** **Allergen immunotherapy modulates pro- and antioxidant status patients with bronchial asthma**  
Lyudmila Lazarenko (ST PETERSBURG, Russian Federation), Galina Sergeeva, Elena Lazutkina
- PA3541** **Effect of omalizumab treatment on allergic comorbidities in patients with severe allergic asthma – real life experience from Czech Anti-IgE Registry**  
Beata Hutyrova (Olomouc, Czech Republic), Jaromir Bystron, Jan Chlumsky, Dagmar Kindlova, Jana Klosova, Irena Krcmova, Bronislava Novotna, Petr Panzner, Petr Pohunek, Olga Ruzickova-Kirchnerova, Vratislav Sedlak, Milan Terl, Petr Vanik, Martina Vasakova, Eva Vernerova, Jaromir Zatloukal
- PA3542** **Effectiveness of omalizumab in Canadian patients with allergic asthma: A retrospective study.**  
Jean-Louis Stril (Dorval, QC, Canada), Sara Chehab, William Yang, Remi Gagnon, Eliofotisti Psaradellis, Emmanouil Rampakakis
- PA3543** **Clinical outcome of eosinophilic airway inflammation in chronic airway diseases including nonasthmatic eosinophilic bronchitis**  
Jaeyoung Cho (Seoul, Republic of Korea), Sun Mi Choi, Jinwoo Lee, Young Sik Park, Sang-Min Lee, Chul-Gyu Yoo, Young Whan Kim, Sung Koo Han, Chang-Hoon Lee
- PA3544** **Inhaled corticosteroid related pneumonia in real world among the patients with asthma and COPD**  
Jae-Woo Kwon (Chuncheon-Si, Gangwon-Do, Republic of Korea), Tae Hwa Go, Seon-Sook Han, Seung-Hwan Lee, Young-Ju Kim, Seung-Joon Lee

- PA3545 AUSTRI and VESTRI LABA Safety studies subgroup analysis of asthma exacerbations and SAEs comparing FSC and FP by ICS dose**  
Ibrahim Raphiou (RTP, United States of America), Kenneth Kral, Noushin Brealey, Barbara Prillaman, Amanda Emmett, Carlotte Baidoo, Maria Mancuso, Steven Pascoe
- PA3546 Dampness at home and asthma in schoolchildren**  
Vesna Micevska (Skopje, FYROM (Macedonia)), Emilija Vlaski, Valentina Cvejoska-Colakovska, Lidija Seckova, Mica Kimovska, Tara Ristevska, Angelce Sazdovski
- PA3547 Occurrence of depression in asthmatics and its impact on asthma control and quality of life.**  
Supreet Batra (DELHI (NEW DELHI), India), Shekhar Kunal, Vishal Bansal, Shailendra Nath Gaur
- PA3548 Factors influencing on influenza vaccination among south korean adult asthma : a nationwide population-based cross-section study**  
Chang Hoon Han (Koyang, Republic of Korea), Jae Ho Chung
- PA3549 Dupilumab improves all ACQ-5 individual items in patients with chronic rhinosinusitis with nasal polyposis (CRSwNP) and asthma: results from a phase 2a trial**  
Peter Hellings (Leuven, Belgium), Claus Bachert, Joaquim Mullol, Daniel Hamilos, Robert Naclerio, Vijay Joish, Leda Mannent, Nikhil Amin, Adeline Abbe, Christine Taniou, Gianluca Pirozzi, Neil Graham, Asif Khan
- PA3550 Dupilumab improves lung function and reduces severe exacerbations in uncontrolled persistent asthma patients with ongoing allergic rhinitis**  
Steven Weinstein (Huntington Beach, United States of America), Heribert Staudinger, Sophie Guillonnet, Christine Taniou, Laurent Eckert, Vijay Joish, Jaman Maroni, Paul Rowe, Nikhil Amin, Gianluca Pirozzi, Neil Graham, Ariel Teper
- PA3551 Dupilumab improves patient-reported outcomes in uncontrolled persistent asthma patients with ongoing allergic rhinitis**  
Rohit Katial (Denver, United States of America), Vijay N. Joish, Nikhil Amin, Paul Rowe, Jaman Maroni, Gianluca Pirozzi, Neil M.H. Graham, Sophie Guillonnet, Ariel Teper, Laurent Eckert, Christine Taniou
- PA3552 IL-4/13-induced up-regulation of METEORIN-LIKE (ML) in alveolar macrophages promotes epithelial CCR3 expression**  
Xin Yao (Nanjing, Jiangsu, China), Xiaoyi Yan, Xinyu Jiang, Jie Jiang, Man Jia, Mao Huang
- PA3553 Characterization of CD4-endotypes in severe allergic asthma for future precision medicine**  
Gudrun Ulrich-Merzenich (Bonn, Germany), Uwe Juergens, Andreas Tüschen, Anastasiia Shcherbakova, Lisa-Joy Juergens, Izabela Tuleta
- PA3554 Endotoxin exposure increases LL-37, but not calprotectin, in healthy human airways**  
Margaretha Smith (Gothenburg, Sweden), Marit Stockfelt, Sara Tengvall, Peter Bergman, Anders Linden, Ingemar Qvarfordt
- PA3555 Risks for asthma exacerbations in patients with type 2-low endotype**  
Yumi Ishiyama (Kyoto, Japan), Hisako Matsumoto, Hironobu Sunadome, Yuji Tohda, Takahiro Horiguchi, Hideo Kita, Kazunobu Kuwabara, Keisuke Tomii, Kojiro Otsuka, Masaki Fujimura, Noriyuki Ohkura, Katsuyuki Tomita, Akihito Yokoyama, Hiroshi Ohnishi, Yasutaka Nakano, Tetsuya Oguma, Soichiro Hozawa, Yoshihiro Kanemitsu, Tadao Nagasaki, Isao Ito, Tsuyoshi Oguma, Hideki Inoue, Tomoko Tajiri, Toshiyuki Iwata, Yumi Izuhara, Junya Ono, Shoichiro Ohta, Tomomitsu Hirota, Mayumi Tamari, Tetsuji Yokoyama, Akio Niimi, Kenji Izuhara, Michiaki Mishima

TP-01 (Hall 4)

Session 430

12:50 - 14:40

**Thematic Poster: Techniques to treat asthma****Chairs :** Chung-Wai Chow (Toronto, ON, Canada), Arnaud Bourdin (Montpellier Cédex 5, France), Louise Toennesen (Copenhagen, Denmark)

- PA3557 Absolute lung size explains the sex difference in breathlessness in the general population**  
Magnus Ekstrom (Lyckeby, Sweden), Magnus Ekström, Josefin Sundh, Linus Schiöler, Eva Lindberg, Annika Rosengren, Göran Bergström, Oskar Angerås, Jan Hedner, Björn Bake, Kjell Torén, John Brandberg
- PA3559 Quality of Life in Asthma Patients: A Nationwide Population-Based Study**  
Jae Ho Chung (Incheon, Republic of Korea), Chang Hoon Han
- PA3560 New biomarkers for early diagnosis of eosinophilic granulomatosis with polyangiitis (EGPA)**  
Manuela Latorre (Pisa, PI, Italy), Elena Bacci, Veronica Seccia, Federico Dente, Sara Brighindi, Antonella Di Franco, Silvana Cianchetti, Cristina Cardini, Chiara Baldini, Pierluigi Paggiaro
- PA3561 Correlations between functional performance, health status and inflammatory biomarkers in stable COPD**  
Narongkorn Saiphoklang (Pathumthani, Thailand), Roslynn Marzan-McGill, Brett A. Dolezal, John Belperio, Christopher B. Cooper, Igor Barjaktarevic

- PA3562 Inhaled corticosteroid (ICS) and long-acting beta2-agonist (LABA) combination vs. high doses of ICS: efficacy and safety in patients (pts) with uncontrolled occupational asthma**  
Kateryna Gashynova (Dnipropetrovsk, Ukraine)
- PA3563 Regular exercise and asthma control in adults: A randomized controlled trial**  
Jouni J.K. Jaakkola (Oulu, Finland), Sirpa A.M. Heikkinen, Samu Hernberg, Simo-Pekka Kiihamäki, Maritta S. Jaakkola
- PA3564 Chronic mucus hypersecretion in severe asthma**  
Eileen Wedge (København, Denmark), Anna von Bülow, Vibeke Backer, Uffe Bodtger, Niels Ulrik Søes-Petersen, Susanne Vest, Ida Steffensen, Celeste Porsbjerg
- PA3565 Inhalation of hydrogen gas attenuate airway inflammation and oxidative stress in allergic asthmatic mice**  
Jingxi Zhang (Shanghai, China), Ning Zhang, Changwen Deng, Xingxing Zhang, Yunye Ning, Chong Bai
- PA3566 The serum YKL-40 is a useful biomarker for asthma**  
Xiang Tong (CHENGDU, China), Sitong Liu, Yao Ma, Dongguang Wang, Hong Fan
- PA3567 Web-based self-management support after pulmonary rehabilitation of difficult to treat asthma: a randomised controlled trial**  
Jiska B. Snoeck-Stroband (Leiden, Netherlands), Thijs Beerthuizen, Lous Rijssenbeek-Nouwens, Jacob K. Sont
- PA3568 Estimation of the hospitalization cost for asthma exacerbation in a pulmonology department**  
Besma Hamdi (Manouba oued ellil, Tunisia), Baraa Bdira, Alaa Akaad, Khouloud Abdelmoulah, Jammel Ammar, Anissa Berraies, Agnes Hamzaoui
- PA3569 Dysfunctional breathing in patients with severe asthma is associated with poor asthma control and low quality of life.**  
Farnam Barati Sedeh (Birkerød, Denmark), Anna Von Bülow, Vibeke Backer, Uffe Bødtger, Ulrik Søes Petersen, Susanne Vest, Ida Steffensen, Celeste Porsbjerg
- PA3570 Effect of treatment with tiotropium bromide 18 mcg on asthma control and asthma-related quality of life in patients with asthma-COPD overlap syndrome.**  
Ksenia Nazarenko (Kyiv, Ukraine), Yuriy Feschenko, Liudmyla Iashyna, Svitlana Opimakh, Inna Zvol
- PA3571 Adherence to ICS in pregnant with infectious exacerbations of asthma (IEA)**  
Nataliia Kravchenko (Dnipropetrovsk, Ukraine), Tetyana Pertseva, Tetyana Kireeva
- PA3572 Features of laboratory, functional and radiological parameters at ACOS**  
Svetlana Chubarova (Krasnoyarsk, Krasnoyarsk Krai, Russian Federation), Elena Sobko, Irina Demko, Maria Loktionova, Olga Ischenko, Irina Soloveva, Angelina Kraposhina, Natalya Gordeeva
- PA3573 Phenotypes related with clinical improvement of omalizumab-treated patients in routine clinical practice. FENOMA Study**  
Ana Gomez-Bastero (Sevilla, Spain), José Gregorio Soto-Campos, Paloma Campo, Ana Moreira, Ignacio DáVila
- PA3574 Effects of GABA on lung function in asthmatics after methacholine inhalation**  
Dejan Dimi (Beograd, Republic of Serbia), Ljiljana Timotijevic, Ivana Nikolic, Aleksandra Zdravkovic, Ljiljana Nikcevic, Nemanja Dimic, Ivana Simeunovic
- PA3575 Risk factors for hospitalization and ICU admission for near-fatal asthma>**  
José Ernesto Juárez León (Mexico City, Mexico), Dulce Gonzalez Islas, José Luis Sandoval Gutierrez, José Luis Miguel Reyes, Arturo Orea Tejada
- PA3576 Body composition in heart failure and chronic obstructive pulmonary disease patients**  
Dulce Gonzalez-Islas (Mexico City, Mexico), Ana Grecia Navarrete-Penalzoa, Arturo Orea-Tejada, Leslie Verdeja-Vendrell, Abril Jimenez-Cepeda, Guillermo Karey Perez-Cortes, Luis Felipe Castillo-Aguilar, Rocio Sanchez-Santillan, Viridiana Pelaez-Hernandez, Bernardo Robles-Urbe, Francisco Figueroa-Herrera, Sonia Torres-Montiel

TP-02 (Hall 4)

Session 431

12:50 - 14:40

**Thematic Poster: Management of asthma in different situations**

**Chairs :** Sara Jane Bonvini (London, United Kingdom), Mariel Slater (East Yorkshire, United Kingdom), Kristian Brat (Brno, Czech Republic), Michael Portelli (Nottingham, United Kingdom)

- PA3577 Validity of FENO and small airway function indices in diagnosis of CVA.**  
Fengjia Chen (guangzhou, China), Xin yan Huang, Geng peng Lin, Yang li Liu, Can mao Xie, Yubiao Guo, Kejing Tang
- PA3578 Special aspects of motivation in patients with asthma**  
Larisa V. Bogovin (Blagoveshchensk, Amur Oblast, Russian Federation), Anastasiya S. Shabanova, Victor P. olovov, July M. Perelman

- PA3579 Prevalence of eosinophilia in COPD patients in Brazil**  
Eduardo Garcia (Porto Alegre/Rs, Brazil), Adalberto Rubin, Marcelo Nogueira, Bruna Medeiros, Lucas Simoneti, Fábio Nassar, Vitor Jacobucci
- PA3580 Impact of enzymatic and toxic potentiality of Aspergillus species to cause aspergillosis**  
Mohamed Fawzy Adam (ASSIUT, Egypt), M. B. Aboul-Nasr, A.A. Zohri, Enas Mahmoud Amer
- PA3581 ASSESSMENT OF HEALTH-RELATED QUALITY OF LIFE IN DIFFERENT PHENOTYPES OF COPD**  
Alexandru Corlăteanu (Chisinau, Republic of Moldova), Victor Botnaru, Doina Rusu, Eugenia Scutaru, Serghei Covăntev
- PA3582 Airway reversibility assessed by oscillometry in patients with asthma**  
Naoko Higaki (Hiroshima, Japan), Hiroshi Iwamoto, Yasushi Horimasu, Takeshi Masuda, Shintaro Miyamoto, Taku Nakashima, Kazunori Fujitaka, Hironobu Hamada, Noboru Hattori
- PA3583 Improvement in rhinosinusitis health related quality of life in patients with severe eosinophilic asthma**  
Linda Nelsen (Collegetown, United States of America), Eric S Bradford, Daniel J Bratton, Frank C Albers, Guy Brusselle
- PA3584 Distribution of Blood Eosinophils Among Patients with COPD in Primary Care**  
Hana Müllerová (Uxbridge, Middlesex, United Kingdom), Hana Müllerová, Emma Hilton, Chang-Qing Zhu, Paul Jones
- PA3585 Relationship between sleep disturbances and peripheral airway abnormalities in COPD patients**  
Nicola Scichilone (Palermo, PA, Italy), Marco Basile, Pierpaolo Baiamonte, Emilia Mazzuca, Stefania Principe, Federica Pennavaria
- PA3586 Obesity and related factors in bronchiectasis**  
Elif Yelda Ozgun Niksarlioglu (Istanbul, Turkey), Mehmet Atilla Uysal, Gungor Camsari
- PA3587 Fertility treatment in women with asthma - A case-control study of 2,880 women with live births**  
Zarqa Ali (Herlev, Denmark), Anne Vejen Hansen, Charlotte Suppli Ulrik, Sara Malchau Lauesgaard, Anja Pindborg
- PA3588 Baseline characteristics of 36 mepolizumab-patients. Experiences from the clinical practice.**  
Anne Sofie Bjerrum (Aarhus, Denmark), Tina Skjold, Johannes Schmidt
- PA3589 Predictors of low risk of asthma exacerbation during pregnancy A prospective study of 1,283 pregnancies**  
Zarqa Ali (Herlev, Denmark), Lisbeth Nilas, Charlotte Suppli Ulrik
- PA3590 Adrenal insufficiency in asthma treated with high/low systemic corticosteroids in the past and in those who successfully discontinued systemic corticosteroids after treatment with omalizumab.**  
Michiko Haida (Tokyo, Japan), Katsutoshi Ogawa, Akihiko Hashiguchi, Takahiro Inoue
- PA3591 An effective diagnostic model of ACOS in China**  
Aiyuan Zhou (CHANGSHA, China), Yiyang Zhao, Ping Chen
- PA3592 Asthma-COPD overlap syndrome: prevalence and clinical characteristics**  
Tulay Yarkin (STANBUL, Turkey), Dilem Anıl Tokyay, Ipek Ozmen, Elif Yıldırm, Erhan Ogur
- PA3593 Multiple faces of non-cystic fibrosis bronchiectasis: defining etiology and disease severity**  
Adelina Anton (Tulcea, Romania), Doina Ecaterina Tofolean, Radu Baz, Ioan Tiberiu Tofolean, Laura Mazilu
- PA3594 Bronchiectasis: understanding the phenotype**  
Sebastian Ferri (Catania, CT, Italy), Ramona Sorrentino, Carlo Chessari, Giovanni Terranova, Teresa Augelletti, Raffaele Campisi, Enrico Heffler, Nunzio Crimi, Sabrina Genco
- PA3595 Investigation of nocturnal vocal cord dysfunction using conscious sedation: two case reports**  
Aash Vyas, Claire Slinger, Stephen Fowler, Jemma Haines
- PA3596 The causes of acute cough: a single-center study in Japan**  
Tomoko Tajiri (Kyoto-shi, Japan), Toshikatsu Sado, Akihiko Sokai, Kenichi Goto, Yasukiyo Nakamura, Hideo Kita

TP-03 (Hall 4)

Session 432

12:50 - 14:40

**Thematic Poster: COPD biomarkers**

**Chairs :** Andreas Rembert Koczulla (Marburg, Germany), Anders Løkke (Højbjerg, Denmark), Gaetano Caramori (Messina, Italy), Laura Fregonese (London, United Kingdom)

- PA3597 Prevalence and clinical characteristics of asthma-COPD overlap syndrome according to accepted criteria**  
YongSuk Jo (Seoul, Republic of Korea), Jinwoo Lee, Ho Il Yoon, Deog Kyeom Kim, Chul-Gyu Yoo, Chang-Hoon Lee

- PA3598** **Low Level of Airway Mucin 2 Predict Severe Exacerbations in Patients with Severe Chronic Obstructive Pulmonary Disease**  
Alizamin Sadigov (Baku, Azerbaijan)
- PA3599** **Assessing E-RS to measure symptoms in COPD patients with a reversible component**  
Steven Pascoe (King of Prussia, United States of America), Linda Nelsen, Laurie Lee, Wei Wu, Xiwu Lin, Dan Parks, Nancy Leidy
- PA3600** **Association between serum YKL-40 and chronic obstructive pulmonary disease**  
Yao Ma (CHENGDU, China)
- PA3601** **Elevated serum IL-8: a biomarker indicating exacerbation-prone COPD**  
Jingxi Zhang (Shanghai, China), Chong Bai
- PA3602** **Influence of tobacco-smoking on serum level of transforming growth factor (TGF) beta 1 in COPD patients**  
Daria Mihailichenko (Dnipropetrovsk, Ukraine), Tetyana Pertseva
- PA3603** **Impact of long-term oxygen therapy on morphological changes of red blood cells and NT-proBNP level in COPD patients.**  
Olga Titova (ST PETERSBURG, Russian Federation), Darya Sklyarova, Natalya Kuzubova, Vladimir Volchkov
- PA3604** **Elevated BALF PEDF levels are related to disease severity, inflammation and small airway obstruction in COPD patients**  
Mei Chen (Chengdu, China), tao wang, Lei Chen, Dan Xu, Fuqiang Wen
- PA3605** **Levels of serum amyloid A (SAA) and C-reactive protein (CRP) in stable COPD patients and its relationship with disease severity.**  
Daria Mihailichenko (Dnipropetrovsk, Ukraine), Tetyana Pertseva
- PA3606** **Peripheral Blood Eosinophils as Marker of Sputum Eosinophilia and Outcome of COPD Exacerbation**  
Edin Jusufovic (Tuzla, Bosnia and Herzegovina), Mitja Kosnik, Munevera Becarevic, Munevera Osmic, Azra Jusufovic, Mona Al-Ahmad, Jasmina Nurkic, Alma Nadarevic, Fransi Petrak, Dzenan Halilovic, Rifat Sejdinovic, Besim Prnjavorac
- PA3607** **Cardiovascular comorbidities in chronic obstructive pulmonary disease patients**  
Lucretia Udrescu (TIMISOARA/TIMIS, Romania), Laura Sbarcea, Stefan Mihaicuta
- PA3608** **Blood Eosinophils and Outcomes in Severe Hospitalized Exacerbations of COPD.**  
Sonia Toujani Chekki (Tunis, Tunisia), Marwa Kacem, Azza Slim, Amir Tabboubi, Ghada Bahri, Abir Hedhli, Sana Chikhrouhou, Jouda Cherif, Yacine Ouahchi, Meriem Mjid, Majed Beji
- PA3609** **Procalcitonin as a predictor of pneumonia in patients hospitalized with acute exacerbation of COPD: a prospective observational study**  
Elena Valerevna Titova (Trondheim, Norway), Anne H.Henriksen, Sigurd Steinshamn, Arne Åsberg
- PA3610** **COPD Phenotypes and Comorbidities**  
Oscar Mascaró (Vic (Barcelona), Spain), Oscar Mascaró, Joan Serra, Gianni Lucchetti, Xavier Gimeno, Fernando Ruiz
- PA3611** **Inflammatory markers and lipid profile in COPD patients over nine years**  
Robson Aparecido Prudente (BOTUCATU/SP, Brazil), Carolina Mesquita, Suzana Tanni, Estefânia Franco
- PA3612** **The impact of smoking on the platelets functional activity in patients with COPD**  
Elena Khmel (Dnipropetrovsk, Ukraine), Elena Kovalenko, Viktoriya Rodionova
- PA3613** **Evaluation of plasma LL-37 and nuclear factor kappa B (NF- $\kappa$ B) levels in stable chronic obstructive pulmonary disease**  
Pelin Uysal (istanbul, Turkey), Atyac Karadag, Sibel Yurt, Nevin Fazlioglu, Abdulhalim Senyigit, Ramila Hajiyeva, Gonul Simsek, Filiz Kosar, Hafize Uzun
- PA3614** **Prevalence and clinical characteristics of blood eosinophilia in patients with acute exacerbation of chronic obstructive pulmonary disease in China**  
Hui Zhou (, China), Qianglin Zeng, Xiaoming Wang, Shanna Li, Bo Xiong, Gui Huang, Fuqiang Wen
- PA3615** **Association of serum pneumoproteins with clinical course of COPD**  
Masaru Suzuki (Tokyo, Japan), Hironi Makita, Satoshi Konno, Masaharu Nishimura

TP-04 (Hall 4)

Session 433

12:50 - 14:40

Thematic Poster: What is new in COPD diagnosis and classification?

Chairs : Therese Lapperre (København NV, Denmark), Rachel Jordan (Birmingham, United Kingdom), Kenneth R. Chapman (Toronto, ON, Canada), Evgeni Mekov (Sofia, Bulgaria)



- PA3616 Validation of the GOLD 2017 classification in a Chinese COPD cohort**  
Juan-Juan Fu (Chengdu, Sichuan, China), Tao Fan, Guan-hong Li, Li-Hua Wu, Bing Mao
- 
- PA3617 Stability of the exacerbation pattern defined by GOLD 2017 in a real-world COPD population**  
Juan-Juan Fu (Chengdu, Sichuan, China), Guan-hong Li, Li-hua Wu, Bo Qu, Tao Fan, Bing Mao
- 
- PA3618 Determinants of re-hospitalizations due to acute exacerbation of COPD**  
Marta Erro (Madrid, Spain), Ana Roca, Carmen Acosta, Marta Hernández, Layla Diab, Celeste Marcos, Tamara Alonso, Rosa Mar Gómez, Joan B. Soriano, Julio Ancochea
- 
- PA3619 Evaluation of respiratory symptoms in COPD patients from seven Latin America countries: The LASSYC Study**  
Marc Miravittles (Barcelona, Spain), Ana Menezes, Luis Ugalde, Victorina López, Filip Surmont, Alejandra Ramirez-Venegas, Alejandro Casas, Laura Mendoza, Ana López, Maria Montes de Oca
- 
- PA3620 The prevalence of the chronic obstructive pulmonary disease in the city of Telavi, Georgia: a cross-sectional study.**  
Ivane Chkhaidze (Tbilisi, Georgia), Mariam Maglakelidze, Tamaz Maglakelidze
- 
- PA3621 BODE INDEX IN DIFFERENT PHENOTYPES OF COPD**  
Alexandru Corlăteanu (Chisinau, Republic of Moldova), Victor Botnaru, Eugenia Scutaru, Serghei Covantev, Olga Casian, Doina Rusu
- 
- PA3622 Predictors of multiple admissions of COPD patients: about 1167 cases**  
Ahmed Ben Saad (Monastir, Tunisia), Saoussen Cheikh Mhamed, Nesrine Fahem, Hadhami Mribah, Samah Joobeur, Naceur Rouatbi, Ali El Kamel
- 
- PA3623 Influence of previous admissions on audit outcomes in patients admitted with acute exacerbation of COPD (AECOPD)**  
Juliana Holzhauser-Barrie (London, United Kingdom), Viktoria McMillan, Derek Lowe, Muhammad Saleem Khan, Robert Stone, Mike Roberts
- 
- PA3624 Classifying patients as GOLD A–D using the 2017 strategy criteria: impact on efficacy by GOLD stage in the OTEMTO tiotropium+olodaterol clinical trials**  
Dave Singh (Manchester, United Kingdom), Leif Bjermer, Roger Abrahams, Lars Grönke, Florian Voss, Gary T. Ferguson
- 
- PA3625 Is diaphragmatic thickness fraction valuable in identifying high-risk chronic obstructive pulmonary disease patients?**  
Emel Eryüksel (Istanbul, Turkey), Canan Cimsit, Melahat Bekir, Cagatay Cimsit, Sait Karakurt
- 
- PA3626 Discordance between a patient completed COPD Assessment test (CAT) and a CAT completed by patient with physician assistance**  
Vladimir Koblizek (Hradec Králové, Czech Republic), Vladimír Koblížek, Vladimír Zindr, Jana Kocianova, Stanislav Holub, Anna Hrazdírova, Jan Svancara
- 
- PA3627 Association between third-space fluid and FEV1 in COPD patients**  
Guillermo Karey Perez Cortes (Mexico City, Mexico), Arturo Orea-Tejeda, Dulce Gonzalez-Islas, Oliver Perez-Bautista, Luis Felipe Castillo-Aguilar, Abril Jimenez-Cepeda, Leslie Verdeja-Vendrell, Ana Grecia Navarrete-Penalosa, Rocio Sanchez-Santillan, Nicolas Guzman-Bouilloud
- 
- PA3628 The Validity of Indonesian Society of Respiriology (ISR) Version of COPD Screening Questionnaire**  
Yusup Subagio Sutanto (Surakarta, Indonesia), Pramesti Fitria Kristianti, Dewi Nurul Makhabah, Farih Raharjo, Ana rima Setijadi, Suradi Suradi
- 
- PA3629 Factors acting on the duration of hospitalization in COPD**  
Houda Rouis (Tunis, Tunisia), Hamida Kwas, Lobna Loued, Amel Khattab, Ines Zendah, Habib Ghedira
- 
- PA3630 Comparison between electronic and paper versions of the Evaluating Respiratory Symptoms in COPD (E-RS) and the COPD Assessment Test (CAT).**  
Koichi Nishimura (Kyoto, Japan), Saya Nakamura, Masaaki Kusunose, Yousuke Tsuji, Toru Oga
- 
- PA3631 The prognostic role of the bronchiectasis in patients with COPD**  
Eun Kyung Kim (Seongnam-si, Republic of Korea), Mi-Ae Kim, Ji-Hyun Lee, Sang Min Lee, Jae Seung Lee, Yeon-Mok Oh
- 
- PA3632 Differences between GOLD Group C and D: More than mMRC or CAT**  
Ahmed Ben Saad (Monastir, Tunisia), Hadhami Mribah, Saoussen Cheikh Mhamed, Nesrine Fahem, Samah Joobeur, Naceur Rouatbi, Ali El Kamel
- 
- PA3633 Level of control of Chronic Obstructive Pulmonary Disease according to clinical phenotypes. Study SINCON**  
Adolfo Balóira (Pontevedra, Spain), José Miguel Rodríguez Glez-Moro, Estefanía Sanjuan, Juan Antonio Trigueros, Ricard Casamor

- PA3634** **The impact of grouping patients by the 2017 GOLD COPD strategy on response to therapy: post hoc results from the TONADO tiotropium+olodaterol trials**  
Gary T. Ferguson (Farmington Hills, United States of America), Henrik Watz, François Maltais, Lars Grönke, Florian Voss, Roland Buhl

TP-05 (Hall 4)

Session 434

12:50 - 14:40

**Thematic Poster: Highlights on clinical problems in COPD**

**Chairs :** Marco Contoli (Ferrara, Italy), Bruno Balbi (Veruno, NO, Italy), Eric D. Bateman (Cape Town, South Africa), Nicoletta R. Morelli (Den Haag, Netherlands)

- PA3635** **Frequency and impact of bronchiectasis in a cohort of patients in a COPD clinic**  
Marta Hernandez Olivo (Madrid, Spain), Tamara Alonso Pérez, Carmen Acosta Gutiérrez, Claudia Valenzuela, Pedro Landete Rodríguez, Layla Diab Cáceres, Marta Erro Iribarren, Ana Roca Noval, Joan B Soriano, Julio Ancochea Bermúdez, Rosa Mar Gómez Punter
- PA3636** **Occurrence and impact of bronchiectasis in patients with COPD**  
Chandrakant Tarke (Hyderabad, India), Shekhar Kunal, Ashok Shah
- PA3637** **Occurrence and impact of upper airways symptoms in never smoker COPD patients**  
Chandrakant Tarke (Hyderabad, India), Shekhar Kunal, Ashok Shah
- PA3638** **Endobronchial microbiological colonisation in stable COPD patients with severe emphysema undergoing endoscopic lung volume reduction.**  
Franziska Trudzinski (Homburg/Saar, Germany), Frederik Seiler, Heinrike Wilkens, Carlos Metz, Annegret Kamp, Robert Bals, Philipp Lepper, Sören L Becker, Barbara Gärtner
- PA3639** **Laryngopharyngeal reflux is prevalent in patients with chronic obstructive pulmonary disease**  
Julia Christin Sanchez Perez (Basel, Switzerland), Desiree May Schumann, Baumeler Luzia, Affolter Kristina, Papakonstantinou Eleni, Rassouli Frank, Frasnelli Matthias, Brutsche Martin, Tamm Michael, Stolz Daiana
- PA3640** **Nocturnal hypoxaemia in COPD. Prevalence and clinical characteristics.**  
Jose M. Marin Trigo (Zaragoza, Spain), Marta Marin-Oto, Juan P de Torres, Carlos Cabrera, Ingrid Solanes, Cristina Martinez, Nuria Toledo, German Peces-Barba, Carlos Amado, Laura Vigil, Ciro Casanova
- PA3641** **Identifying COPD patients at risk for hospitalizations and Emergency Department Visits using the Electronic Medical Record**  
Denitza Blagev (Salt Lake City, United States of America), Dave Collingridge, Susan Rea
- PA3642** **Identifying risk groups for any cause hospitalizations in COPD patients**  
Denitza Blagev (Salt Lake City, United States of America), Dave Collingridge, Susan Rea
- PA3643** **Do cardiac biomarkers predict long-term outcomes from exacerbations of COPD?**  
Eskandarain Shafuddin (Hamilton, New Zealand), Catherina Chang, Manisha Cooray, Robert Hancox
- PA3644** **Association between admission neutrophil to lymphocyte ratio and outcomes in patients with acute exacerbation of COPD.**  
Shaghayegh RahimiRad (Urmia, Islamic Republic of Iran), MOhammadHossein RahimiRad, MohammadReza Ghaffari
- PA3645** **Peculiarities of cardiac rhythm in stable chronic obstructive pulmonary disease**  
Valentin Calancea (Chisinau, Republic of Moldova), Sergiu Matcovschi, Nelea Ghicavii, Tatiana Dumitras, Nicolae Bodrug, Anatol Cretu
- PA3646** **Serum Albumin and blood PCO2 level are markers of cor pulmonale in patients of AECOPD**  
Kumar Utsav (Varanasi, India), Jai Kumar Samaria
- PA3647** **Inflammatory cells in the parenchyma of the lungs with mild emphysema**  
Reza Karimi (Uppsala, Sweden), Ioanna Kotortsi, Åsa M Wheelock, Sven Nyren, Magnus Sköld
- PA3648** **Prevalence of symptoms of chronic obstructive pulmonary disease among different gender and age groups according to the survey**  
Nataliya Cherepii (Slavuta, Ukraine)
- PA3649** **Association between endothelial function and pulmonary function in patients with chronic obstructive pulmonary disease**  
Luis Felipe Castillo Aguilar (Ciudad de México, Mexico), Arturo Orea-Tejeda, Dulce Gonzalez-Islas, Guillermo Karey Perez-Cortes, Abril Jimenez-Cepeda, Leslie Verdeja-Vendrell, Ana Grecia Navarrete-Penaloza, Rocio Sanchez-Santillan, Viridiana Pelaez-Hernandez, Francisco Figueroa-Herrera, Bernardo Robles-Urbe, Sonia Catalina Torres-Montiel, Alejandra Ramirez-Venegas

**PA3650 Use of health care resources in admissions of COPD exacerbations**  
Gianna Vargas Centanaro (MADRID, Spain), Juan Rigual Bobillo, Fernando Pelaez Catro, Mariara Calderon, Juan Luis Rodríguez Hermosilla, Jose luis Álvarez-Sala, Myriam Calle Rubio

**PA3651 Clinical and spirometric differences between male COPD patients with and without smoking history of roll-your-own cigarettes**  
Canan Demir (Ankara, Turkey)

**PA3652 Socioeconomic deprivation and clinical outcomes following acute exacerbation of COPD**  
Juliana Holzhauer-Barrie (London, United Kingdom), Juliana Holzhauer-Barrie, Derek Lowe, Viktoria McMillan, Muhammad Saleem Kham, Robert Stone

**PA3653 THE LEVEL OF SOLUBLE CD8 MOLECULES IN SERUM AND SPUTUM IN COPD PATIENTS WITH AN EXACERBATION**  
Svetlana K. Soodaeva (Moscow, Russian Federation), Nailya Kubysheva, Larisa Postnikova, Viktor Novikov, Tatyana Eliseeva, Igor A. Klimanov

TP-06 (Hall 4)

Session 435

12:50 - 14:40

**Thematic Poster: Miscellaneous clinical problems**

**Chairs :** Jelle Rindert Miedema (Rotterdam, Netherlands), Hubertus D. Luijk (Utrecht, Netherlands), Ernesto Crisafulli (Pavullo (MO), Italy), Maurizio Marvisi (Cremona, Italy)

**PA3654 Geographic variation in air quality**  
Denitza Blagev (Salt Lake City, United States of America), Danielle Babbel, Daniel Mendoza, Benjamin Horne

**PA3655 Epidemiology of sarcoidosis in the Leningrad region of Russia**  
Olga P. Baranova (St Petersburg, Russian Federation), Svetlana Ol. Ermolova, Alexandra Speranskaya

**PA3657 Post-infectious bronchiolitis obliterans: characteristics and follow up of 21 cases in Bogotá - Colombia**  
Santiago Ucros Rodríguez (Bogota, Colombia), Sandra Quiroga, Margarita Díaz, Andrea Méndez, Alfredo Pérez

**PA3658 Respiratory symptoms among reindeer herders of peninsula Yamal, Far North of Russia**  
Sergey Andronov (Nadym, Russian Federation), Andrei Lobanov, Andrei Popov, Alexandr Emelyanov

**PA3659 Evaluation of a new pathway to manage complex unexplained breathlessness**  
Nikesh Devani (London, United Kingdom), Anita Jayadev, Lauren Geddes, Christina Kyriacou, Paramjit Jeetly, Canal Verena, Daniel Martin, Swapna Mandal

**PA3660 The coping mechanism in lung neoplasma patients**  
Cristian Oancea (Dumbravita, Romania), Ovidiu Burlacu, Ion Papava, Bogdan Timar, Emanuela Tudorache, Suciu Cristian, Marius Raica, Voicu Tudorache

**PA3661 This one takes the biscuit: an unusual case of haemoptysis**  
Sarah Wright (Cardiff, United Kingdom), Benjamin Sutton

**PA3662 Obstructive sleep apnea syndrome (OSAS) - The reality in a primary care center**  
Joana Tavares (Coimbra, Portugal), Ana Maria Fagundo, Diogo Anes

**PA3663 Study of lung functions in patients of chronic liver disease.**  
Sagar Raiya (MUMBAI (MAHARASHTRA), India), Amita Athavale, Dhammdeep Kadam, Jeenam Shah

**PA3664 An observational study of the severity of respiratory depression (RDP) in opioid dependent patients (ODP).**  
Basak Tas (London, United Kingdom), Peter S. P. Cho, Manuel Lozano Garcia, Gerrard F. Rafferty, Michael Kelleher, John Moxham, John Strang, Caroline J. Jolley

**PA3665 Characteristics of glucose metabolism in patients receiving glucocorticoid therapy for interstitial lung disease.**  
Anna Demina (Moscow, Russian Federation), Irina Trigolosova, Galina Molchanova, Stanislav Terpigorev, Tatjana Kabanova, Alexander Dreval

**PA3666 Late Breaking Abstract - IPF symptoms' course during a 3-month observation: FIBRONET observational study's preliminary results.**  
Carlo Vancheri (Catania, CT, Italy), Carlo Albera, Sergio Harari, Alberto Pesci, Venerino Poletti, Paola Rottoli, Silvia Chiavetta, Erica Oltolini, Sara Rizzoli, Maria Pia Foschino, Anna Stanziola

**PA3667 Poland syndrome with associated synbrachydactyly and dextrocardia: A rare case**  
Rajendra Prasad Takhar (Kota (Rajasthan), India), Narendra Khippal, Govind Singh Rajawat

**PA3668 Association of esophageal dysfunction with therapeutic efficacy of baclofen in patients with refractory gastroesophageal reflux-induced chronic cough**  
Xianghuai Xu (Shanghai, China), Li Yu, Qiang Chen, Cuiqin Shi, Hanjing Lv, Zhongmin Qiu, Siwei Liang

**PA3669 Factors associated with treatment response in gastroesophageal reflux-related chronic cough**  
Aleksandra Rybka (Warszawa, Poland), Marta Rybka, Elżbieta Grabczak, Marta Dąbrowska, Barbara Jamróz, Rafał Krenke, Olga Truba

**PA3670 Choking in London**  
Matthew Pavitt (Billingshurst, United Kingdom), Joanne Nevett, Laura L. Swanton, Matthew Hind, Michael I. Polkey, Malcolm Green, Nicholas S. Hopkinson

**TP-07 (Hall 4) Session 436 12:50 - 14:40**

**Thematic Poster: Latest insights into the management of chronic lung diseases**

**Chairs :** Judith Garcia Aymerich (Barcelona, Spain), Georgios Kaltsakas (Athens, Greece), Esther Barreiro Portela (Barcelona, Spain)

**PA3671 Compliance of LTOT in Belgian patients with chronic respiratory failure**  
Bihyga Salhi (Ghent, Belgium), Eric Derom, Erik Demeyere, Guy Joos

**PA3672 Activation for self-management in asthma or COPD patients referred to a pulmonologist**  
Noortje Koolen (Nijmegen, Netherlands), Alex van 't Hul, Philip van der Wees, Richard Dekhuijzen, Gert Westert, Yvonne Heijdra

**PA3673 Clinical features and quality of life in patients with different metabolic phenotypes of COPD**  
Vitalii Poberezhets (Vinnytsia, Ukraine), Yuriy Mostovoy, Hanna Demchuk

**PA3674 Cross-sectional characteristics of individuals with mild-moderate COPD reporting contrasting self-reported symptom burden**  
Mark Orme (Leicestershire, United Kingdom), Sally Singh, Michael Steiner, Mike Morgan, Andrew Kingsnorth, Dale Eslinger, Lauren Sherar

**PA3675 Factors important to people with COPD and experts to optimise daily time-use: A Delphi study**  
Hayley Lewthwaite (Adelaide, SA, Australia), Tanja W. Effing, Anke Lenferink, Tim Olds, Marie T. Williams

**PA3676 PAVAR goal setting improves health outcomes in a multidisciplinary community respiratory team.**  
Marianne Milligan (Glasgow, United Kingdom), Suzanne Marshall, David Anderson

**PA3677 Exploration of patients' and informal caregivers' experiences in advanced chronic obstructive pulmonary disease: first phase of an action research study**  
Tanja Fusi-Schmidhauser (Lugano, Switzerland), Katherine Froggatt, Nancy Preston

**PA3678 Impact of Integrative Yoga Exercise on Autonomic Function and Health Related Quality of Life in COPD**  
Avinash Jain (Bhind, India), Sudhir kumar agarwal, abhishek maurya, mohit bhatia

**PA3679 Hospital readmission rate and mortality after severe exacerbation of chronic obstructive pulmonary disease**  
Gordana Pavlisa (Zagreb, Croatia), Hrvoje Puretic, Fedja Dzubur, Marina Labor, Andrea Vukic Dugac, Ana Hecimovic, Mateja Jankovic, Marko Jakopovic, Miroslav Samarzija

**PA3680 DNA damage in lymphocytes from COPD patients with and without lung cancer**  
Renata Ferrari (Botucatu/Sp, Brazil), Laura Caram, Ludimila Nogueira, Karine Memare, Lia Umezawa, Nayara Arruda, Suzana Tanni, Mariana Braz, Irma Godoy

**PA3681 Selection of patients from Pulmonary Rehabilitation (PR) to Disease Management (DM) programmes**  
Bruno Balbi (Veruno, NO, Italy), Andrea Giordano, Claudio Marcassa, Fabrizio Pisano, Giacomo Corica, Michele Vitacca, Antonio Spanevello

**PA3682 Long term high flow humidified oxygen treatment in COPD – effect on blood gases**  
Line Storgaard (Aabybro, Denmark), Ulla Weinreich, Hans Hockey

**PA3683 Integration of Hospital and Community Respiratory teams reduces admissions, shortens length of stay and improves patient care in COPD**  
Michael Apps (Brentwood, United Kingdom), Syed Abbas, Dipak Mukherjee, Jan Minter, James Whitfield, Sharon Pearce, Petra Rosier, Loren Ateli, Honoria Olympio-anang, Carol Goodrich, Kelly-Ann Keeling, Helen Hill, Donna Carter, Tracy Gisby, Bernadette Hawkes, Sue Webb, Sue Barfield, Paul Bannister, Jodie Finney, Charlotte Wigmore, Julie Downham, Mark Haigh, Sue Field, Irene Young, Andrea Kopacz

**PA3684 RELATIONSHIP BETWEEN DAYTIME SLEEPINESS, FATIGUE SEVERITY AND RESPIRATORY MUSCLE STRENGTH IN STROKE PATIENTS**  
Rustem Mustafaoglu (Istanbul, Turkey), Abdurrahim Yildiz, Ayse Nur Bardak

- PA3685** **Immediate effect of osteopathic manual therapy on hyperinflation in patients with severe chronic obstructive pulmonary disease.**  
Katarzyna Górka (Warszawa, Poland), Katarzyna Górka, Marta Maskey-Warzechowska, Michał Mierzejewski, Rafał Krenke
- PA3686** **Exploring participants current experiences and opinions regarding use of music/dance in pulmonary rehabilitation**  
Keir Philip (London, United Kingdom), Siân Williams, Jane Simpson, Claire Rooney, Claire Davey, Rishi Gupta, Richa Singh
- PA3688** **Small intestinal absorption in patients with COPD complicated by right heart failure – A pilot study**  
Charlotte Suppli Ulrik (Virum, Denmark), Anne Hardis, Sara Andersen, Oliver Tupper, Anne Marie Soja, Brian Nilsson, Jens R Andersen
- PA3689** **Blood eosinophil in smokers and mild and moderate COPD patients**  
Laura Caram (Conchas/Sp, Brazil), Renata Ferrari, Duelene Ludimila Nogueira, André Bertani, Thaís Garcia, Carolina Mesquita, Suzana Tanni, Camila Corrêa, Irma Godoy
- PA3690** **Relationship between COPD health outcome and lower socioeconomic status in Tunisian patients**  
Amani Ben Mansour (Tunis, Tunisia), Sonia Toujani, Houda Snène, Meriam Mjid, Abir Hedhli, Sana Chikhrouhou, Jouda Cherif, Yacine Ouahchi, Majed Béji

## TP-08 (Hall 4)

## Session 437

12:50 - 14:40

## Thematic Poster: Latest insights into chronic care

**Chairs :** Jean Bourbeau (Montreal, Canada), Roberto A. Rabinovich (Edinburgh, United Kingdom), Nickolas Koulouris (Athens, Greece), Alexandra Strassmann (Zürich, Switzerland)

- PA3691** **Use of a passive exhalation port for long-term tracheostomy ventilation in patients with Amyotrophic Lateral Sclerosis: a randomized control trial.**  
Andrea Vianello (Padova, PD, Italy), Silvia Iovino, Beatrice Molena, Cristian Turato, Giovanna Arcaro, Federico Gallan, Fausto Braccioni, Claudia Rinaldo, Luciana Paladini, Maria Rita Marchi, Piera Peditto, Silvia Ferrarese, Laura Battistella
- PA3692** **Home noninvasive ventilation (NIV) in France. Data from the Antadir-GAV cohort. Results at 18 months.**  
Claudio Rabec (DIJON, France), Antoine Cuvelier, Pierre Cervantes, Boris Melloni, Capucine Morelot-Panzini, Marjolaine Georges, Sandrine Pontier, Magalie Mercy, Frederic Gagnadoux, Christophe Perrin, Frank Lavergne, Arnaud Prigent, Anne Mallart, Gilles Hilbert, Romain Kessler, Frederic Claude, Laure Goubert-Bennet, Helene Prigent, Sandrine Jaffre, Anne Perel-Jaillet, Claudia Llonop, Kamila Sedkaoui, Didier Foret, Line Mounier, Jean-François Muir, Jesus Gonzalez
- PA3693** **Survival and quality of life of patients treated by long term noninvasive ventilation (NIV). Results from a prospective cohort study.**  
Jean Morin (NANTES, France), Sandrine Jaffré, Tissot Adrien, Frederic Gagnadoux, Priou Pascaline, François Goupil, Audrey Paris, Camille Leblanc, Agathe Delbove, Antoine Magnan, Francois-Xavier Blanc
- PA3694** **Spirituality and religiosity are associated with quality of life and dyspnea in patients with chronic lung diseases.**  
Paulo José Zimmermann Teixeira (Porto Alegre/Rs, Brazil), Paulo José Zimmermann Teixeira, Ana Amélia Machado Duarte, Giancarlo Lucchetti, Katya Rigatto
- PA3695** **Physical therapists' perception of resistance training with different types of tools on COPD patients: a qualitative-quantitative study**  
Juliana Uzeloto (Anhumas, Brazil), Ana Paula Freire, Bruna Silva, Giovanna Arévalo, Mariana Previatto, Ana Paula dos Santos, Fernando Zandonadi, Paula Manfrim, Marcia Franco, Dionei Ramos, Ercy Mara Ramos, Rebeca Silva
- PA3696** **Peak expiratory cough flow and respiratory muscle function in acute stroke patients**  
Monique Messaggi Sartor (Barcelona, Spain), Anna Guillen-Solà, Cindry Ramirez-Fuentes, Esther Duarte, Ester Marco
- PA3697** **SURVIVAL IN PATIENTS IN ON HOME OXYGEN-THERAPY. EVALUATION OF PROGNOSTIC FACTORS**  
María Del Carmen García García (Badajoz, Spain), María Del Carmen García García, Jacinto Hernández Borge, María José Antona Rodríguez, José Antonio Gutiérrez Lara, Miguel Benítez-Cano Gamonoso, María Teresa Gómez Vizcaíno, Ignacio Rodríguez Blanco, Francisca Lourdes Márquez Pérez
- PA3698** **Quality of life in non cystic fibrosis bronchiectasis(NCFB): predictors and correlation with other outcome parameters**  
Sheetal Chaurasia (BANGALORE (KARNATAKA), India), Anish Reddy, Alamelu Haran, Pavny Chawla
- PA3699** **Does Speech Disorder (Aphasia) Affect Respiratory Muscle Strength in Stroke?**  
Rustem Mustafaoglu (Istanbul, Turkey), Abdurrahim Yildiz, Ayşe Nur Bardak

- PA3700** **MAY AN EARLY INTEGRATED CARE PROGRAM WITH NIV ADAPTATION DELAY NIV FAILURE IN PATIENTS WITH ALS ?**  
Michele Vitacca (Gussago, Italy), Alessandra Montini, Enrica Bertella, Roberta Morini, Mara Paneroni, Christan Lunetta, Elisa Demattia, Andrea Lizio, Paolo Banfi, Eleonora Volpato, Agata Lax
- PA3701** **Qualitative study of the expectations regarding a liaison team for patients with severe chronic respiratory diseases (SCRD).**  
Fabienne Melchior (Trooz, Belgium), Jennifer Wrona, Jean-Marie Boulanger, Vincent Heinen, Renaud Louis
- PA3702** **Effects of high frequency chest wall oscillation on mucus draining, rheological property and lung mechanics**  
Tetsuo Miyagawa (Yokohama Kanagawa, Japan), Tomomi Ichiba
- PA3703** **“When you’re at work you’ve got a goal [...] but that’s all finished for me now”; exploring goal perception amongst people with chronic obstructive pulmonary disease (COPD)**  
Rachael Summers (southampton, United Kingdom), Anne Bruton, Claire Ballinger, Dimitra Nikolettou, Rachel Garrod, Miranda Leontowitsch
- PA3704** **Technology-delivered psychosocial intervention in COPD: a feasibility study**  
Anders Løkke (Højbjerg, Denmark), Anders Løkke, Ingeborg Farver-Vestergaard, Elisabeth Bendstrup, Maja O'Connor, Robert Zachariae
- PA3705** **DEVELOPMENT OF A DIGITAL TELEREHABILITATION SOLUTION: ANALYSIS OF THE NEEDS OF PATIENTS WITH CHRONIC DISEASES**  
Francois Bughin (Montpellier, France), Marine Bertrand, Eve Dupas, Sebastien Pascal, Florie Fillol, Christine Fedou, Jean Frederic Brun, Farès Gouzi, Bronia Ayoub, Nelly Heraud, Jacques Mercier, Pascal Pomies, Maurice Hayot
- PA3707** **Effect of Cannabis Smoking on Lung Function and Respiratory Symptoms in Adolescents**  
Rustem Mustafaoğlu (Istanbul, Turkey), Ebru Kaya Mutlu, Rengin Demir, Ozhan Yalcin, Arzu Ciftci, Caner Mutlu, Arzu Razak Ozdincler
- PA3708** **Increased Osteoporosis and Hospitalization in Non-Cystic Fibrosis Bronchiectasis (NCFBr) Adults with Desaturation during 6 Minute Walk Test: a Five-year Study**  
Te Fang Sheng (Taoyuan, Taiwan), Wen-Ching Jao, Lan-Yan Yang, Yu-Bin Pan, Han-Pin Kuo, Chun-Hua Wang
- PA3709** **Acute exacerbation of COPD (AECOPD) during pulmonary rehabilitation (PR): impact on outcomes and short-term prediction of risk.**  
Bertrand Herer (Briis Sous Forges, France), Thierry Chinet
- PA3710** **The validity of the EQ5D5L in patients hospitalized an acute exacerbation of COPD**  
Ruth Barker (Ware, United Kingdom), Claire M Nolan, Sarah E Jones, Suhani Patel, Brigitte M Haselden, Samantha Ssc Kon, William D-C Man, Jeshika Singh, Doug Coyle

TP-09 (Hall 4)

Session 438

12:50 - 14:40

**Thematic Poster: Latest insights into pulmonary rehabilitation in COPD****Chairs :** Michele Vitacca (Gussago, Italy), Celso Ricardo Fernandes de Carvalho (Sao Paulo/Sp, Brazil), Samantha Harrison (Middlesbrough, United Kingdom), Zafeiris Louvaris (Leuven, Belgium)

- PA3711** **Sexual activity in COPD patients included in a pulmonary rehabilitation program**  
Carmen Rosa Vargas Arevalo (Santander, Spain), Adela Antelo Del Rio, Carlos A. Amado Diago, Felix Campos Juanatey, Juan Agüero Calvo, Karla Fabiola Escobar Ramirez, Jose Antonio Portillo Martin
- PA3712** **Effects of Hochuekkito combined with pulmonary rehabilitation in patients with COPD**  
Hironobu Hamada (Hiroshima, Japan), Kiyokazu Sekikawa, Isao Murakami, Kazuyoshi Kagawa, Ken Okusaki, Yoshikazu Awaya, Keiichi Kondo, Noboru Hattori
- PA3713** **Disease-specific fear and its relationship with outcomes of pulmonary rehabilitation in COPD.**  
Thomas Reijnders (Heverlee, Belgium), Nikola M, Stenzel, Michael Schuler, Michael Wittmann, Danijel Jelusic, Konrad Schultz, Andreas von Leupoldt
- PA3714** **Does pulmonary rehabilitation improve mortality in patients with chronic obstructive pulmonary disease (COPD)?**  
Gillian Mcvay (Glasgow, United Kingdom), Rosie Meharry, David Young, Leigh Sinton, Deborah Hannah, Elaine MacKay, David Anderson
- PA3715** **Dance as a rehabilitative strategy for patients with COPD**  
Victoria MacBean (London, United Kingdom), Charles Cyril Reilly, Gerrard Francis Rafferty, Evangelia Kolyra
- PA3716** **Does Pulmonary Rehabilitation improve people’s experience of living with Chronic Obstructive Pulmonary Disease? A Retrospective Case Note Review**  
Laura Graham (LONDON, United Kingdom), Sarah Rand, Matthew Hodson

- PA3717 NIV DURING EXERCISE TRAINING IN PATIENTS WITH CRF ON LONG-TERM VENTILATORY SUPPORT.**  
Michele Vitacca (Gussago, Italy), Dicle Kaymaz, Barbara Lanini, Guido Vaghegini, Pinar Ergün, Francesco Gigliotti, Nicolino Ambrosino, Mara Paneroni
- PA3718 Does increased body mass index effect the gain of pulmonary rehabilitation on COPD patients?**  
Hülya Doğanahin (Istanbul, Turkey), Hülya Doğanahin, İknur Naz, Yelda Varol, Berna Kömürçüoğlu
- PA3719 Rehabilitation protocol affects cardiac autonomic modulation in chronic obstructive pulmonary disease patients**  
Valeria Normando (Belem/Pa, Brazil), Rodrigo Rocha, Saul Carneiro, Marcio Clementino Santos, Fábio Falcão, Marlene Moreno, Edivânia Silva, Jairo Conceição
- PA3720 Effects of smoking history on the benefits of pulmonary rehabilitation in patients with COPD**  
Jose R. Lopes (Londrina, Brazil), Karina C. Furlanetto, Lorena P. Schneider, Nidia A. Hernandez, Fabio Pitta
- PA3721 Can a 6 week multi-disciplinary weekend Pulmonary Rehabilitation service for patients with weekday work commitments be both feasible and effective?**  
Jide Owolabi (LONDON, United Kingdom), Jane Simpson, Brendan De Luca
- PA3722 Choir in the Pulmonary Rehabilitation Program**  
Elie Fiss (Sao Paulo/Sp, Brazil), SELMA SQUASSONI, Juliana Nascimento, Priscila Cordoni, Nadine Machado, Luciene Bortolassi, Cecilia Tavares
- PA3723 Effects of eight week combined home and outpatient pulmonary rehabilitation in patients with COPD: A Korean multicenter observational study**  
Won-Yeon Lee (Wonju, Republic of Korea), Seong Yong Lim, Bo Young Lee, Chin Kook Rhee, Hye Yoon Park, Woo Jin Kim, Kyung-Chul Shin, Yu Hui Won, Yong Beom Shin, Ji Hyun Kim, Sang Do Lee
- PA3724 Effects of Pulmonary Rehabilitation (PR) on Exercise Capacity (EC) and Quality of Life (QOL) in Indian Patients with Severe COPD**  
Anant Mohan (Delhi (New Delhi), India), Raju Pangen, Randeep Guleria, G C. Khilnani, Karan Madan, Vijay Hadda
- PA3725 Effects of a 3 week rehabilitation program on COPD patient's endothelial function, blood vessel elasticity.**  
Janos Tamas Varga (Budapest, Hungary), Botond Szucs, Mate Petrekanits
- PA3726 BODE index score changes before and after pulmonary rehabilitation**  
Vicente Benavides (Cali, Colombia), Esther Wilches
- PA3727 Benefits of pulmonary rehabilitation in COPD patients; characterisation of the responders**  
Daniela Stefana Gologanu (Bucuresti/Sector 1, Romania), Diana Ionita, Ioana Dahan, Cristina Stanescu, Miron Bogdan
- PA3728 Involvement of STAT-3 in the Beneficial Effects of Aerobic Exercise in a Model of Smoke-Induced COPD**  
Maysa Rangel (SAO JOSE DOS CAMPOS/SP, Brazil), Adriano Silva Renno, Manoel Carneiro Oliveira-Junior, Gabriel de Moraes, Jovana de Almeida Carvalho Mahler, Clariana Rodrigues Soares, Nicole Cristine Rigonato-Oliveira, Auriléia Aparecida de Brito, Ana Paula Ligeiro de Oliveira, Maria Gabriela Belvisi, Rodolfo Paula Vieira
- PA3729 Does the 1-min sit-to-stand test predict long-term outcome after pulmonary rehabilitation in COPD patients?**  
Sarah Crook (Zürich, Switzerland), Anja Frei, Milo A. Puhani, Konrad Schultz, Danijel Jelusic, Nicola Leibert, Michael Schuler, Michael Wittmann
- PA3730 Assessment of respiratory muscle strength with two different methods in individuals with Mucopolysaccharidosis type VI: a pilot study**  
Cyda Reinaux (Recife, Brazil), Bárbara Silva, Paulo Magalhães, Alanna Vasconcelos, Erika Andrade, Armêlé Dornelas De Andrade, Rik Gosselink

TP-10 (Hall 4)

Session 439

12:50 - 14:40

**Thematic Poster: Various imaging modalities for different lung diseases****Chairs :** Firdaus Mohamed Hoesein (Utrecht, Netherlands), Heinrike Wilkens (Homburg/Saar, Germany), Matthias Held (Wuerzburg, Germany), Johan Coolen (Leuven, Belgium)

- PA3731 Combined Pulmonary Fibrosis and Emphysema (CPFE): correlation between TC parameters and functional decline.**  
Maria D'Amato (Napoli, Na, Italy), Gaetano Rea, Maria D'Amato, Maurizia Lanza, Anna Agnese Stanziola, Antonio Molino
- PA3732 Volumetric texture analysis in the characterisation of interstitial lung diseases in lung transplant patients.**  
Francesco Gentili (Arezzo, Italy), Maria Antonietta Mazzei, Valerio Nardone, Antonella Fossi, David Bennett, Donatella Spina, Paolo Tini, Francesco Giuseppe Mazzei, Luigi Pirtoli, Paola Rottoli, Luca Volterrani
- PA3733 Clinical role of CT scan-measured pulmonary artery to aorta ratio of acute exacerbation of interstitial lung disease**  
Mariko Kogo (Hyogo prefecture, Japan), Kojiro Otsuka, Hayato Kawachi, Ryosuke Hirabayashi, Ryubu Mori, Jiro Ito, Yuki Sato, Shunsuke Teraoka, Daichi Fujimoto, Kazuma Nagata, Atsushi Nakagawa, Keisuke Tomii, Munehiro Ito

- PA3734 MRI derived global right ventricle diastolic strains correlate with mPAP in CTEPH**  
Anne-Lise Hachulla (Geneva, Switzerland), Frédéric Lador, Hajo Muller, Gabriel Guglielmi, Stéphane Noble, Lindsey Crowe, Paola M. Soccia, Maurice Beghetti, Jean-Paul Vallée
- PA3735 Ultrasound assessment of diaphragmatic motion in patients with interstitial lung disease.**  
David Laszlo Tarnoki (Budapest, Hungary), Adam Domonkos Tarnoki, Bence Fejer, Eniko Barczi, Noemi Eszes, Aniko Bohacs, Veronika Muller, Kinga Karlinger
- PA3736 The possibilities of MR-visualization of the highly active caseous-necrotic focuses at patients from tuberculosis of the lungs.**  
Anna Maltseva (Ekaterinburg, Sverdlovsk Oblast, Russian Federation), Sergey Skornyakov, Roman Berdnikov, Marionella Kravchenko
- PA3737 Assessing changes in extravascular lung water in patients undergoing hemodialysis using ultrasound**  
Kalyanaraman Supraja (CHENNAI (TAMIL NADU), India), Raj Singh
- PA3738 Case series to analyse whether echogenicity always reveals underlying exudate or not**  
Rachelle Ascik (Oxford, United Kingdom), Rob Hallifax, Ioannis Psallidas, John Wrightson, Rachel Mercer, John Corcoran, Najib Rahman
- PA3739 Clinico-radiological diagnosis of atypical forms of pulmonary sarcoidosis**  
Olga P. Baranova (St Petersburg, Russian Federation), Alexandra Speranskaya, Maria Vasilieva
- PA3740 The high sensitivity of PET-CT may save scarce financial resources in developing countries: The LACOG-0114 Study.**  
Márcio Debiassi (Porto Alegre, Brazil), Carlos Barrios, Mara Lise Zanini, Márcio Debiassi, Eduardo Herz Berdichevski, Eduardo Vilas, Bruno Hochhegger, Gustavo Werutsky, Carlos Cezar Fritscher, Louise Hartmann, Marcos Alba, Facundo Zaffaroni, Vanessa Bortolotto, Rayssa Do Amaral, Cristina Matushita, Guilherme Sartori, Arthur Vieira, Jeovany Marti nez-Mesa, Vinicius Duval da Silva, Jose Antnio Pinto, Leandro Fritscher
- PA3741 Role of MRI Apparent Diffusion Coefficient (ADC) Quantification in the differentiation between benign and malignant pulmonary lesions**  
Khaled Hussein (Assiut, Egypt), Marwan Nasr Eldin, Hisham Mostafa, Ahmed Hamed
- PA3742 Chest-MRI under non invasive high frequency ventilation: a new promising technique**  
Adam Ogná (Pully, Switzerland), Catherine Beigelman-Aubry, Jean Delacoste, Maurizio Bernasconi, Bastien Belmondo, Olivier Long, Julien Simons, Gregoire Berchier, Chantal Rohner, Nicolas Peguret, Laurent P Nicod, Jean Bourhis, Matthias Stuber, Reto Meuli, Alban Lovis
- PA3743 Reproducibility of hyperpolarised xenon-129 MRI (129Xe-MRI) of lungs in healthy volunteers**  
Shahideh Safavi (Nottingham, United Kingdom), Christoph Arthofer, James Thorpe, Michael Barlow, Ian Hall
- PA3744 A comparison of Model-Based Iterative Reconstruction (MBIR) technique with standard Dose Computed Tomography of Thorax in the follow up of lung nodules >**  
Anne O'Mahony (Co. Cork, Ireland), Karl James, Liam Chawke, Niamh Moore, Michael M Maher, Kevin P Murphy, Kashif Ali Khan, Marcus P Kennedy, Desmond Murphy, Michael T Henry
- PA3745 Lung image registration between postures for disease tracking**  
Hamed Minaeizaeim (Auckland, New Zealand), Haribalan Kumar, Merryn H. Tawhai, Alys R. Clark
- PA3747 Virtual 3D microscope and magnified 3D print for naked eye analyses of alveoli and alveolar duct structures by Heitzman lung specimen with micro CT**  
Hiroschi Natori (Sapporo, Japan), Masaki Mori, Hirotsugu Takabatake, Hirotoshi Homma, Kensaku Mori, Masahiro Oda, Hiroyuki Koba, Hiroki Takahashi
- PA3748 Radiological features of hemoptysis-related arteries in pulmonary aspergillosis infection**  
Yamamoto Shota (Tokyo, Japan), Suzuki Manabu, Ishii Satoru, Morino Ériko, Takasaki Jin, Iikura Motoyasu, Izumi Shinyu, Takeda Yuichiro, Ryuge Misaki, Ishikawa Hideo, Sugiyama Haruhito
- PA3749 The ratio of cardiac/lung area in expiratory plain chest radiographs correlates with the level of airflow limitation in patients with severe COPD.**  
Masamichi Mineshita (Kawasaki, Kanagawa, Japan), Takeo Inoue, Teruomi Miyazawa, Hiroki Nishine, Hirotaka Kida, Hiroshi Handa, Naoki Furuya, Teppei Inoue, Baku Ohyama, Shin Matsuzawa

TP-11 (Hall 4)

Session 440

12:50 - 14:40

**Thematic Poster: Pleural interventions and transthoracic ultrasound (TUS)**

Chairs : Rahul Bhatnagar (Bristol, United Kingdom), Nick Maskell (Bristol, United Kingdom), John Wrightson (Oxford, United Kingdom), Ioannis Psallidas (Oxford, United Kingdom)



- PA3750 Medical thoracoscopic pleural lavage by sodium bicarbonate in complicated parapneumonic effusion and empyema**  
Tamer Ali El-Hadidy (Mansoura, Egypt), Mohammad Khairy Elbadrawy, Asem Hewidy
- 
- PA3751 Ultrasound guided multi-level paravertebral block versus local anesthesia for medical thoracoscopy**  
Asem Hewidy (Mansoura, Egypt), Maha Abo-Zeid, Mohammed Elgamal, Alaa Eldin Elmaddawy, Amro Moawad
- 
- PA3752 Biopsy of pleural thickenings with pocket size ultrasound device**  
Lucia Garcia Alfonso (Aviles (Asturias), Spain), Francisco Lopez, Tamara Hermida, Angélica Orellana, Ariel Moreda, Inés Ruiz, Cristina Hernandez, Pere Casan
- 
- PA3753 Therapeutic thoracentesis-impact on respiratory rate and intrapleural pressure amplitude change.**  
El bieta Magdalena Grabczak (Warszawa, Poland), Monika Zielinska-Krawczyk, Marcin Michnikowski, Krzysztof Zielinski, Piotr Korczynski, Anna Stecka, Tomasz Golczewski, Rafal Krenke
- 
- PA3754 Utility and security of closed pleural biopsy with Abrams needle assisted with thoracic ultrasound operated by pulmonologists**  
Jessica Valencia Rivero (Ciudad de México, Mexico), Jaime Alejandro Sánchez Gutiérrez, Patricia Castillo González, Uriel Rumbo Nava, Renata Alejandra Báez Saldaña, Ericka Sagrario Peña Mirabal, Teresa de Jesús Aguirre Pérez
- 
- PA3755 Antiplatelet therapy and medical thoracoscopy: a retrospective study**  
Valentina Pinelli (Brescia, Italy), Massimiliano Sivori, Vanna Balestracci, Pier Aldo Canessa
- 
- PA3756 Talc pleurodesis vs tunneled pleural drainage in the malignant pleural effusion**  
Ines Ruiz Alvarez (Aviles (Asturias), Spain), Francisco Lopez Gonzalez, Ana Isabel Enriquez Rodriguez, Ariel Moreda, Angelica Orellana Gonzalez, Lucia Garcia Alfonso, Carmen Osoro Suarez, Pere Casan Clara
- 
- PA3757 Utility of indwelling pleural catheters in benign pleural effusions: A single centre experience**  
Shahbaz Piracha (Stoke-on-Trent, United Kingdom), Ahmed Raza, Muhammad Badar Ganaie, Tess Cusay, Nadeem Maddekar, Shahul Khan, Ahmad Asa'ari, Muhammed Haris
- 
- PA3758 Current practice: safety checklists for pleural procedures**  
Patrick Bradley (London, United Kingdom), Elspeth Potton, Helen Meredith
- 
- PA3759 Thoracoscopic pleural brushing- An addendum in diagnostic thoracoscopy**  
Siva Yuvarajan (PONDICHERRY (Tamil Nadu), India), T K Gangi Reddy
- 
- PA3760 Diagnostic and therapeutic utility of indigenous technique of pleuroscopy in patients of undiagnosed pleural effusions**  
Hanmant Varudkar (Ujjain (Madhya Pradesh), India), Arti Julka, Mustafa Singapurwala
- 
- PA3761 Molecular characterization and diagnostic yield of semirigid thoracoscopy in malignant pleural effusions of pulmonary origin.**  
Cecilia Mouronte Roibas (VIGO, Spain), Maribel Botana-Rial, Ana González-Piñeiro, Cristina Ramos-Hernández, Manuel Núñez-Delgado, Virginia Leiro-Fernández, Alberto Ruano-Raviña, Alberto Fernández-Villar
- 
- PA3763 The effectiveness of concomitant endobronchial treatment and video assisted thoracic surgery pleurodesis in lung cancer cases with pleural effusion**  
Kemal Can Tertemiz (Izmir, Turkey), Volkan Karacam, Eyup Sabri Ucan, Alir za Karak l c
- 
- PA3764 Diagnostic value of ultrasound guided transthoracic core needle biopsy in patients with mediastinal lesions and vena cava superior syndrome**  
Rosen Petkov (Sofia, Bulgaria), Tzvetan Minchev, Yordanka Yamakova, Evgeni Mekov, Danail Petrov
- 
- PA3765 The value of thoracic ultrasound for characterization of pleural thickening**  
Lucia Garcia Alfonso (Aviles (Asturias), Spain), I. Vollmer, M. Benegas, A. Gayete, J. Ramirez, M. Sanchez
- 
- PA3766 Retrospective analysis of the procedures guided by thoracic ultrasound on peripheral pulmonary lesions at the Jerez Hospital Unit since 2012 to October 2016.**  
Julio Cesar Rodriguez Fernandez (, Spain), Nilda Patricia De La Cruz Castro, J. D. Garcia Jimenez, J. M. Gálvez Lozano, F. Pérez Grimaldi, A. Cortés Caballero, J. G. Soto Campos, C. Cabrera Galán, F. Valenzuela Mateos
- 
- PA3768 Feasibility and Safety of Pleuroscopic Cryobiopsy of the Pleura: A Prospective Study**  
Chia-Hung Chen (Taichung, Taiwan), Wen-Chien Cheng, Biing-Ru Wu, Chih-Yu Chen, Wei-Chun Chen, Wei-Chih Liao, Chih-Yen Tu
- 
- PA3769 Evaluation of cryobiopsy in pleuroscopic procedures**  
Tajalli Saghaie (Cherrybrook, NSW, Australia), David Darley, Kenneth Lee

TP-12 (Hall 4)

Session 441

12:50 - 14:40

**Thematic Poster: How to reach peripheral lesions: (radial EBUS, CLE, navigation, etc.) and treat airleaks****Chairs :** Mohammed Munavvar (Preston, United Kingdom), Peter I. Bonta (Amsterdam, Netherlands), Johannes M.A. Daniels (Amsterdam, Netherlands)

PA3770	<b>Fluorescein-aided probe-based confocal laser endomicroscopy (pCLE) for detection of peripheral lung and central airways carcinoma</b> Kiyoshi Shibuya (Narita, Japan), Jouji Horio, Hidehisa Hoshino, Ichiro Yoshino
PA3771	<b>Histological subtyping of non-small cell lung cancer using transbronchial biopsy specimens obtained with a small forceps</b> Masahide Oki (Nagoya, Japan), Hideo Saka, Yoshihito Kogure, Masashi Nakahata, Saori Oka, Kazumi Hori, Yuko Ise, Chiyoe Kitagawa
PA3772	<b>Using multistep approach technique to overcome the limitation of conventional sequential computed tomography-guided percutaneous transthoracic fine needle biopsy</b> Dong Il Park (Daejeon, Republic of Korea), Sung Soo Jung, Hee Sun Park, Jeong Eun Lee, Chae Uk Chung, Ju Ock Kim
PA3773	<b>Role of rapid on-site evaluation in electromagnetic navigation bronchoscopy-guided peripheral lung biopsy</b> Weizhong Jin (Hangzhou, China), Limin Wang
PA3774	<b>Utility of Virtual Bronchoscopy Navigation in the diagnosis of peripheral lung lesions</b> Devanand Anantham (Singapore, Singapore), Aik Hau Tan, Anthony Yii, Angela Takano, Adrian Chan, Xinag Angela Liu
PA3775	<b>Preoperative biopsy risk for recurrence?: A retrospective study of risk factors for recurrence of stage 1A non-small cell lung cancer</b> Yasuyuki Mizumori (Himeji, Japan), Nobuya Hirata, Ryota Hiraoka, Katsuya Hirano, Ryota Kominami, Sayaka Takahashi, Yasushi Fukuda, Yasutaka Onishi, Shoma Mizuno, Sachiko Higashino, Tomohiro Kato, Kenji Hanaoka, Ryogo Kagami, Rinko Katsuda, Yoko Yokoi, Kohei Miyake, Hiroaki Tsukamoto, Shin Sasaki, Tetsuji Kawamura, Yasuharu Nakahara
PA3776	<b>Electromagnetic navigation: first long-term italian experience</b> Filippo Patrucco (Torino, To, Italy), Matteo Daverio, Cleto Antonini, Paolo Spina, Piero Emilio Balbo
PA3777	<b>Implementation of Electromagnetic Navigation Bronchoscopy (ENB) in a Medico-Surgical Department. Results after 6 months of experience.</b> Jean-Baptiste Stern (Paris Cedex 14, France), Thibault Vieira, Philippe Girard, Raffaele Caliandro, Dominique Gossot, Agathe Seguin-Givelet
PA3779	<b>Pleural dye marking using radial endobronchial ultrasound combined with virtual bronchoscopy before minimal invasive sublobar lung resection.</b> Samy Lachkar (Rouen, France), Mathieu Salaun, Florian Guisier, Maxime Roger, Christophe Peillon, Philippe Rinieri, Luc Thiberville, Jean Marc Baste
PA3780	<b>Evaluation of lung cancer diagnoses made by bronchoscopy despite EBUS findings being invisible</b> Kohei Okafuji (Tokyo, Japan), Atsushi Kitamura, Hiroshi Nakaoka, Kenji Ishii, Ryosuke Tsugitomi, Tomoyuki Tanigawa, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura
PA3781	<b>Safety of transbronchial lung biopsy using radial probe endobronchial ultrasound and a guide sheath performed by beginners learning the procedure</b> Jung Seop Eom (Busan, Republic of Korea), Min Ki Lee, Jeong Ha Mok, Changhwan Kim
PA3782	<b>Comparison between different types of forceps used in transbronchial lung biopsy</b> Abdulrahman Hasan Almadani (Dublin, Ireland), Anu Deenadayalu, Melissa Ng Yee Ping, Aidan O'Brien
PA3783	<b>A Survey of Peripheral Sampling Practices among Canadian Physicians</b> Anna Sczaniecka (Redmond, United States of America), Alain Tremblay, Antoine Delage, Stephen Lam, Xavier Gonzalez
PA3784	<b>Endoscopic treatment with endobronchial valves of Persistent Air Leak (PAL)</b> Marco Trigiani (Ghedi, Italy), Margherita Innocenti, Elena Torricelli, Michela Bezzi, Damiano Bottone, Mauro Novali, PieroFranco Foccoli
PA3785	<b>Intrabronchial autologous blood and tranexamic acid instillation provides effective control of persistent air leak in inoperable bronchopleural fistula</b> Mehrnaz Asadi Gharabaghi (TEHRAN, Islamic Republic of Iran), Shahab Rafieian, Reza Mollazadeh, Hosnollah Sadeghi, Shahram Samadi, Mohammadreza Mireskandari, Hamidreza Abtahi, Davoud Mohammadi, Shima Javadinia
PA3786	<b>An innovative solution for prolonged air leaks: The customized endobronchial silicone blocker</b> Abhinav Singla (Sangrur (Punjab), India), Rakesh Godara, Chakravarthi Lokanath, Suvarna Salankay, Ravindra Mehta

TP-13 (Hall 4)

Session 442

12:50 - 14:40

**Thematic Poster: Bronchoscopy: from stents to practical tips and tricks**

**Chairs :** Prashant Nemichand Chhajed (Mumbai (Maharashtra), India), Jonas Yserbyt (Leuven, Belgium), Gregoris Stratakos (Athens, Greece), Erik H.F.M. van der Heijden (Nijmegen, Netherlands)

- PA3787** **Comparison of airway measurements for tracheobronchial stenosis between stereoscopic bronchoscope and MD-CT**  
Seiichi Nobuyama (Yokohama, Japan), Tetsuo Satou, Hiroshi Handa, Hiroki Nishine, Takeo Inoue, Masamichi Mineshita, Teruomi Miyazawa
- 
- PA3788** **Our experience with biodegradable polydioxanone stents in the treatment of post-intubation and post-tracheotomy stenosis**  
Ludek Stehlik (Praha 4, Czech Republic), Luděk Stehlík, Vladislav Hytych, Pavel Horazdovsky, Martina Vasakova
- 
- PA3789** **Cryotherapy in management of postintubation tracheal stenoses-single center experience**  
Spasoje Popević (Beograd, Republic of Serbia), Živka Uskoković-Stefanović, Milan Grujić
- 
- PA3790** **IDIOPHATIC TRACHEAL STENOSIS, MONITORING, DIAGNOSIS, TREATMENT IN ALTITUDES HIGHER THAN 3600m.a.s.IN LA PAZ- BOLIVIA**  
Omar Hidalgo Martinez M.D. Interventional pulmonologist Benjamin Castelo Oporto M.D. pulmonologist Rodrigo Pacheco Ruiz M.D. Thoracic surgeon Omar Hidalgo Martinez (LA PAZ, Bolivia)
- 
- PA3791** **Does the method of interventional bronchoscopy used influence the survival of patients with malignant stenosis of the large airways ?**  
Miloslav Marel (Praha 1, Czech Republic), Martin Trefny, Frantisek Petrik, Libor Fila, Ondrej Sobotik, Alzbeta Grandcourtova, Jana Kotrbova
- 
- PA3792** **Bacterial colonization/infection of the airway stents**  
Vlasios Vitsas (Athens, Greece), Abdelfattah Touman, Leonidas Agelakis, Eleni Moraitou, Evangelos Vogiatzakis, Nikolaos Koulouris, Grigorios Stratakos
- 
- PA3793** **Complications of research bronchoscopy in subjects with and without COPD**  
Elise Orvedal Leiten (Bergen, Norway), Einar Marius Hjellestad Martinsen, Ingvild Haaland, Eli Nordeide, Sverre Lehmann, Gunnar Reksten Husebø, Øistein Svanes, Tomas Eagan, Per Bakke, Rune Grønseth
- 
- PA3794** **Optical coherence tomography for the identification and quantification of human airway wall layers.**  
Annika W.M. Goorsenberg (Amsterdam, Netherlands), J.N.S. d'Hooghe, D.M. de Bruin, J.J.T.H. Roelofs, J.T. Annema, P. I. Bonta
- 
- PA3795** **Indications and complications of flexible bronchoscopy in very elderly patients**  
Vera Clerigo (LISBOA, Portugal), João Cardoso, P. Monteiro, J. Rosal Gonçalves, C. Bárbara
- 
- PA3796** **HD-Bronchoscopy and enhancement technologies for differentiating histology using visualized vascular patterns**  
Erik H.F.M. van der Heijden (Nijmegen, Netherlands), Anna I. van der Vorm, Piero Candoli, Alessandro Messi, Igor Vasilev, Antonio Santa Cruz
- 
- PA3797** **A retrospective analysis of flexible bronchoscopy in evaluation of pulmonary diseases in children with congenital cardiovascular abnormalities**  
Ting Chen (, China), Li QIU, Lin ZHONG, Hanmin LIU, Lina CHEN
- 
- PA3798** **Propofol sedation in bronchoscopy by pulmonologists**  
Alicia Oliva Ramos (Rivas-Vaciamadrid, Spain), Luis Puente Maestu, Paola Benedetti, Alicia Cerezo Lajas, Laura Ramirez García, Jose Javier García Lopez
- 
- PA3799** **Analogosedation during flexible bronchoscopy using a combination of midazolam, propofol and fentanyl– a retrospective analysis**  
Tobias Mueller (Aachen, Germany), Kristina Thümmel, Christian Cornelissen, Michael Dreher, Stefan Krüger
- 
- PA3800** **The role of conventional transbronchial needle aspiration in the endobronchial ultrasound-guided transbronchial needle aspiration age**  
Blanca De Vega Sanchez (VALLADOLID, Spain), Carlos Disdier Vicente, Ana Andres Porras, Anabel Garcia Onieva, Ignacio Lobato Astiarraga, Santiago Juarros Martinez, Vicente Roig Figueroa
- 
- PA3801** **Contribution of bronchial lavage to other diagnostic procedures in patients with visible endobronchial lesions**  
Elif Babaoglu (ANKARA, Turkey), Özgür Karcıoğlu, Sevinc Sarıncı Ulaşlı, Emine Keles, Umran Özden Sertcelik, Sevgen Onder, Deniz Koksall
- 
- PA3802** **Early or delayed bronchoscopy in the diagnostic work up of hemoptysis?**  
Filippo Patrucco (Torino, To, Italy), Anna Stainer, Bruno Dino Bodini, Roberta Nicali, Piero Emilio Balbo

**PA3803** **Four cases of clinical analysis with Takotsubo cardiomyopathy associated with bronchoscopy**  
Manabu Suzuki (Tokyo, Japan), Konomi Kobayashi, Masao Hashimoto, Satoru Ishii, Eriko Morino, Jin Takasaki, Go Naka, Motoyasu Iikura, Shinyu Izumi, Yuichiro Takeda, Masayuki Hojo, Haruhito Sugiyama

**PA3804** **Improvement cell blocks with EBUS-TBNA by Cytospin rinse.**  
Jan Siwec (Lublin, Poland), Marek Michnar, Barbara Mackiewicz, Juliusz Pankowski, Janusz Milanowski

**PA3805** **A pre-lung cancer clinic multidisciplinary team meeting (MDT) and selection of endobronchial ultrasound guided transbronchial needle aspiration (EBUS-TBNA) a first line investigation reduces time to diagnosis.**  
Faheem Khan (Dublin 24, Ireland), Fattahullah Hassanzai, Michael Bardon, Rakesh Panchal, Jonathan Bennett, Muhammad Tufail

TP-14 (Hall 4)

Session 443

12:50 - 14:40

**Thematic Poster: IPF: from the bench to the bedside**

**Chairs :** Michael P. Keane (Dublin 4, Ireland), Dominique Israel-Biet (Paris, France), Claudia Ravaglia (Brisighella, Italy), Francesco Bonella (Dusseldorf, Germany)

**PA3806** **Japanese guideline for the treatment of idiopathic pulmonary fibrosis 2017**  
Sakae Homma (Tokyo, Japan), Masashi Bando, Keishi Sugino, Susumu Sakamoto, Arata Azuma, Japan Diffuse Lung Diseases Research Group

**PA3808** **Serum surfactant protein D predicts the outcome of patients with idiopathic pulmonary fibrosis treated with pirfenidone**  
Kimiyouki Ikeda (Sapporo, Japan), Masanori Shiratori, Hirotaka Nishikiori, Keiki Yokoo, Yuichiro Asai, Youhei Takahashi, Atsushi Saito, Koji Kuronuma, Mitsuo Otsuka, Hirofumi Chiba, Gen Yamada, Hiroki Takahashi, Mamoru Takahashi

**PA3809** **The effect of mechanical ventilation to acute exacerbation of IPF and CTD-ILD**  
Yingmin Ma (Beijing, China), Liu Yang, Jing Wang, Yuhan Hu, Yijie Zhang, Jie Sun

**PA3810** **Effect of nintedanib on multidimensional evaluation in patients with IPF**  
Kensuke Kataoka (Seto, Aichi, Japan), Hiroyuki Taniguchi, Yasuhiro Kondoh, Tomoki Kimura, Toshiki Yokoyama, Toshiaki Matsuda

**PA3811** **Bronchoalveolar lavage in idiopathic pulmonary fibrosis**  
Samira Aouadi (Ariana, Tunisia), sabrine majdoub, najla ghrairi, emna brahem, houda gharsalli, sonia maalej, leila douik elgharbi

**PA3812** **Our transbronchial lung cryobiopsy experience in 29 patient with ILDs**  
Ali Kadri Çirak (Izmir, Turkey), Ali Kadri Çirak, burcin hakoglu, serpil tekgul, yasemin sirin

**PA3813** **Quality of life of idiopathic pulmonary fibrosis patients**  
Eniko Barczy (Budapest, Hungary), Tamás Erdélyi, Anikó Bohács, Noémi Eszes, Adam Domonkos Tárnoki, Dávid László Tárnoki, Kinga Karlinger, Bence Fejér, Veronika Müller

**PA3814** **Impact of specific organic exposure on the prognosis in Idiopathic Pulmonary Fibrosis**  
Laurens De Sadeleer (LEUVEN, Belgium), Stijn Verleden, Els De Dycker, Jonas Yserbyt, Geert Verleden, Frederik Hermans, Bart Vanaudenaerde, Wim Wuyts

**PA3815** **Safety, feasibility and diagnostic yield of bronchoscopic lung cryobiopsy in diffuse parenchymal lung disease- retrospective review of 100 procedures.>**  
Anne O'Mahony (Co. Cork, Ireland), Louise Burke, Michael M Maher, Marcus P Kennedy, Michael T Henry, Adeline Chelliah

**PA3816** **A real life multicenter national study on the use of nintedanib in moderate to severe IPF patients**  
Antonella Caminati (Milano, MI, Italy), Sergio Harari, Venerino Poletti, Marco Confalonieri, Stefano Gasparini, Donato Lacedonia, Fabrizio Luppi, Alberto Pesci, Alfredo Sebastiani, Paolo Spagnolo, Carlo Vancheri, Elisabetta Balestro, Martina Bonifazi, Stefania Cerri, Federica De Giacomi, Rossana Della Porta, Maria Pia Faschino, Annalisa Fui, Patrizio Pasquinelli, Roberta Rosso, Claudia Specchia, Sara Tommasetti, Paola Rottoli

**PA3817** **Mortality in biopsy verified usual interstitial pneumonia and the relation to computed tomography scores**  
Vidar Søyseth (Oslo, Norway), Vidar Søyseth, Helge Scott, Erik H Strøm, Georg Mynarek, Trond M Aalokken

**PA3818** **Nintedanib in Idiopathic Pulmonary Fibrosis: a single-centre real-life experience**  
Annalisa Fui (La Spezia, SP, Italy), Lucrezia Pianigiani, Paolo Cameli, Maria Lucia Valentini, Loredana Carobene, Rosa Metella Refini, Maria Pieroni, Antonella Fossi, David Bennett, Paola Rottoli

**PA3819** **Plasma fibronectin as the criterion of idiopathic fibrosing alveolitis severity**  
Oksana Karasyova (Dnepr, Ukraine), Viktoriya Rodionova, Elena Khmel

- PA3820 Expression of mRNA of selected inflammatory markers in BALf cells from patients with sarcoidosis and idiopathic pulmonary fibrosis (IPF)**  
Marta Maskey-Warzechowska (Warszawa, Poland), Magdalena Paplinska-Goryca, Anna Witkowska, Patrycja Nejman-Gryz, Piotr Korczynski, Rafal Krenke
- 
- PA3821 Can clinical data predict rapid decline of lung function in idiopathic pulmonary fibrosis (IPF) patients?**  
Veronika Müller (Budapest, Hungary), Veronika Müller, Nesrin Mogulkoc, Martina Šterclová, Beata Zolnowska, Vladimír Bartoš, Martina Plačková, Ladislav Lacina, Robert Slivka, Martina Doubková, Marina Rokсандi Milenkovic, Radka Bittenglová, Imrich Jonner, Magdalena Martusewicz-Boros, Monika Žurková, Ilona Binková, Ma gorzata Sobiecka, Richard Tyl, Marzena Trzaska-Sobczak Marzena Trzaska-Sobczak, Pawel Sliwinski, Vladimíra Loš áková, Sebastian Majewski, Pavlína Lisá, Katarzyna Lewandowska, Hana Šuldová, Jasna Tekavec-Trkanje, Amelia Szymanowska-Narloch, Lenka Šišková, Anikó Bohács, Ján Plutinský, Bohumil Matula, Štefan Tóth, František Pet ík, Bu eková Bu eková, Jana Pšikalová, Miklós Zsiray, Jaroslav Ln ní ka, Vladimír íhák, Zsuzsanna Szalai, Zoltan Baliko, Štefan Laššán, Pavlína Musilová, Imre Lajko, Tomáš Snížek, Jan Anton, Ji í Homolka, Peter Palúch, Róbert Vyšehradský, Renata Králová, Jan Kervitzer, Maria Szilasi, Jan Kus, Dragana Jovanovic, Marta Hájková, Michal Svoboda, Jana Strenková, Martina Vašáková, Daniel Doležal
- 
- PA3822 Assessment of general physicians' knowledge in the public and private sectors about interstitial lung disease.**  
Swapnil Satish Kulkarni (Aurangabad (Maharashtra), India), Sujeet Rajan, Sheetal Bheda, Sapna Madas, Sundeep Salvi
- 
- PA3823 Diffuse alveolar hemorrhage: how relevant is etiology?**  
Andre Terras Alexandre (Bragança, Portugal), Teresa Gomes, Ana Fernandes, Artur Vale
- 
- PA3824 Global characterisation of routine care interstitial lung disease diagnostic practice**  
Luca Richeldi (Southampton, United Kingdom), Fernando J. Martinez, Kevin R. Flaherty, Simon L.F. Walsh, Jeffery Myers, Naomi Lauanders, ALISON CHISHOLM
- 
- PA3825 Real-life experience with pirfenidone in idiopathic pulmonary fibrosis (IPF) in a single centre in Italy. A retrospective study.**  
Laura Tavanti (Pisa, Italy), Sara De Magistris, Chiara Romei, Elisabetta Perrone, Fabio Falaschi, Dario Nieri, Massimiliano Serradori, Alessandro Celi, Antonio Palla
- 
- TP-15 (Hall 4) Session 444 12:50 - 14:40**
- Thematic Poster: Novel and old entities**  
**Chairs :** Robert P. Baughman (Cincinnati, United States of America), Wim Wuyts (Rotselaar, Belgium), Jan C. Grutters (Nieuwegein, Netherlands)
- 
- PA3826 Interstitial pneumonia with autoimmune features: applying novel diagnostic criteria to an existing patient cohort.**  
Helen Hall (Surrey, United Kingdom), Raminder Aul
- 
- PA3827 Clinical significance of histological UIP pattern in interstitial pneumonia with autoimmune features (IPAF)**  
Yuta Mori (Seto, Aichi, Japan), Hiroyuki Taniguchi, Yasuhiro Kondoh, Tomoki Kimura, Kensuke Kataoka, Toshiki Yokoyama, Yasuhiko Yamano, Taiki Furukawa, Takeshi Johkoh, Jun Fukuoka
- 
- PA3828 Cyclophosphamide in steroid-refractory hypersensitivity pneumonitis and non-classifiable interstitial lung disease**  
Ivo A. Wiertz (Utrecht, Netherlands), Coline H.M. van Moorsel, Coline H.M. Van Moorsel, Marian J. Quanjel, Jan C. Grutters, Jan C. Grutters
- 
- PA3829 Minor salivary gland biopsy in patients with IPAF and suspected Sjogren's syndrome.**  
Paloma Millan Billi (BARCELONA, Spain), Silvia Barril Farre, HyeSang Park, Iván Castellví, Laura Martinez-Martinez, Tomás Fraquet Casas, Laura Lopez-Vilaró, Francisco Aparicio, Oriol Sibila Vidal, Diego Castillo Villegas
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- PA3830 Prevalence and clinical characteristics of unclassifiable idiopathic interstitial pneumonias (IIPs)**  
Cécile Rotenberg (Paris, France), Cécile Rotenberg, Lucile Sese, Olivia Freynet, Aurélie Hervé, Diane Piver, Pierre Yves Brillet, Dominique Valeyre, Marianne Kambouchner, Hilario Nunes
- 
- PA3831 Metamorphosis of idiopathic interstitial pneumoniae (IIPs).**  
Yulia Ilkovich (ST PETERSBURG, Russian Federation), Lubov Novikova, Alexandra Speranskaya, Ivetta Dvorakovskaya, Dali Dzadzua
- 
- PA3832 Echocardiographic parameters in suspected cardiac sarcoidosis patients-the role of speckle tracking strain analysis in the diagnosis of cardiac sarcoidosis**  
Vasileios Kouranos (London, United Kingdom), Mandhu Minz, Olga Danylenko, John Baksi, Kshama Wechalekar, Maria Kokosi, Rakesh Sharma, Athol Wells, Roxy Senior, Rajdeep Khattar, Martin Cowie
- 
- PA3833 INTERSTITIAL PNEUMONIA WITH AUTOIMMUNE FEATURE (IPAF): Clinical, radiological and morphologic profile in indian patients.**  
Sheetal Chaurasia (BANGALORE (KARNATAKA), India), anish reddy, alamelu haran, pavny chawla

- PA3834 HLA-C\*2 as a new HLA marker of Granulomatosis with Polyangiitis.**  
Carmen Barbas (Sao Paulo/Sp, Brazil), Marcos Tavares, Ellen Pierre, Andreia Padilha, Leticia Kawano-Dourado
- PA3835 A case-series of Brazilian patients with Granulomatosis with polyangiitis**  
Carmen Barbas (Sao Paulo/Sp, Brazil), Andreia Padilha, Ellen Pierre, Leticia Kawano-Dourado, Marcos Tavares
- PA3836 Association between ANCA positivity and HLA genotyping in Brazilian patients with Granulomatosis with Polyangiitis.**  
Carmen Barbas (Sao Paulo/Sp, Brazil), Ellen Pierre, Andreia Padilha, Leticia Kawano-Dourado, Marcos Tavares
- PA3837 Place of anti-CCP antibodies in respiratory manifestations of rheumatoid disease**  
Sabrine Majdoub Fehri (ARIANA, Tunisia), Samira Aouadi, Najla Ghrairi, Chama Hadj Sassi, houda Gharssali, Sonia Maalej, laila Douik El Gharbi
- PA3838 Screening of ?ardiac involvement in sarcoidosis**  
Dzmitry Zhurkin (Minsk, Belarus), Halina Baradzina, Vladimir Syty
- PA3839 Identifying Inflammatory Myopathies to optimise Interstitial lung disease treatment strategies>**  
Anne O'Mahony (Co. Cork, Ireland), Peter Riddell, Grainne Murphy, John G Ryan, Sinead Harney, Vincent Tormey, Michael T Henry
- PA3840 Small airways impairment and air-trapping in patients with chronic hypersensitivity pneumonitis (CHP) of different severity**  
Matteo Bonini (London, United Kingdom), Iliaria Menichini, Alessio Pacini, Marco Brunori, Simon Ward, Simon Walsh, Cecile Daccord, Cosetta Minelli, Omar Usmani, Athol Wells, Felix Chua
- PA3841 Impact of phenotyping/flow cytometry technique on CD4/CD8 index examination in lung granulomatous diseases (LGD)**  
Piotr Kopinski (Bydgoszcz, Poland), Joanna Goli ska, Arkadiusz Goede, Maciej Gnass, Kamil Brutkowski, Ewa Wypasek
- PA3842 A gene network to predict the clinical response to whole lung lavage (WLL), in pulmonary alveolar proteinosis (PAP).**  
Iliaria Campo (Pavia, Italy), Michele Zorzetto, Francesco Bonella, Francesca Mariani, Elena Paracchini, Laura Divizia, Martina Magani, Mario Grassi, Federica Meloni
- PA3843 Detrended Fluctuation Analysis independently predicts all-cause mortality of patients with Sarcoidosis**  
Elias Gialafos (Athens Attiki, Greece), Vasilios Kouranos, Theodoros Papaioannou, Efrosini Manali, Lykourgos Kolilekas, Elias Tsoungkos, Mina Gaga, Aggeliki Rapti, Nikos Koulouris, Spyros Papiris, Gerasimos Filippatos
- PA3844 Development of a multivariate model to predict clinical deterioration in pulmonary sarcoidosis**  
Muhunthan Thillai (Cambridge, United Kingdom), Henry Yung, Christine Fiddler, Nicola Simler, Edwin Chilvers, Helen Parfrey
- PA3845 Noninvasive Arterial Stiffness Measurement in Patients with Sarcoidosis**  
Ezgi Demirdogen Cetinoglu (Bursa, Turkey), Ali Uysal, Ozge Aydin Guclu, Guven Ozkaya, Esra Uzaslan, Mehmet Karadag, Osman Ak n Serdar

## TP-16 (Hall 4)

## Session 445

12:50 - 14:40

## Thematic Poster: Rare diseases

**Chairs :** Thomas Geiser (Bern, Switzerland), Antje Prasse (Hannover, Germany), George Margaritopoulos (London, United Kingdom), Nikolaos M. Siafakas (Heraklion, Crete, Greece)

- PA3846 Lung transplantation for lymphangiomyomatosis: a Brazilian centre experience.**  
Martina Rodrigues Oliveira (SAO PAULO/SP, Brazil), Bruno Guedes Baldi, Marcos Naoyuki Samano, Silvia Vidal Campos, Ricardo Henrique Oliveira Braga Teixeira, Isabela Pasqualini Minguini, Roni Burlina, Eduardo Zinoni Silva Pato, Carlos Roberto Ribeiro Carvalho, Andre Nathan Costa
- PA3847 Clinical, demographic and radiological properties of asbestosis (17 cases)**  
Mehmet Bayram (Istanbul, Turkey), Didem Özkan, Muhammed Emin Akkoyunlu, Esat Hayat, Fatmanur Okyalt r k, Sabriye ennur Bilgin
- PA3848 Idiopathic Pneumonia Syndrome after hematopoietic stem cell transplantation**  
Makiko Yomota (Tokyo, Japan), Noriyo Yanagawa, Tsunekazu Hishima, Kazuteru Ohashi, Tatsuru Okamura, Humikazu Sakai
- PA3849 Clinical Characteristics and outcomes of Follicular bronchiolitis in adult patients**  
Mengshu Cao (Nanjing, China)

- PA3850** **Cross-sectional and longitudinal measurement of autoantibody levels against GM-CSF is useful for predicting clinical courses of in autoimmune pulmonary alveolar proteinosis.**  
Etsuro Yamaguchi (Nagakute, Aichi, Japan), Masaki Nishimura, Ayumu Takahashi, Hiroshi Tanaka, Norihito Yokoe, Kenshi Kosaka, Toshiyuki Yonezawa, Akihito Kubo
- PA3851** **Identification of serum microRNAs in patients with Lymphangiomyomatosis**  
Olga Torre (Milano, Mi, Italy), Elisabetta Bulgheroni, Sergio Harari, Riccardo Lorenzo Rossi, Jens Geginat, Massimiliano Pagani, Sergio Abrignani
- PA3852** **The analysis of alveolar macrophage form in secondary pulmonary alveolar proteinosis complicated with myelodysplastic syndrome.**  
Haruyuki Ishii (Tokyo, Japan), Ryushi Tazawa, Manabu Ishida, Takeshi Saraya, Yoshikazu Inoue, Miku Oda, Koh Nakata
- PA3853** **Teleradiology in interstitial lung disease: first experiences**  
Katrin Esther Hostettler (Basel, Switzerland), Gregor Sommer, Michael Tamm, Jens Bremerich
- PA3854** **Eosinophilic granulomatosis with polyangiitis (EGPA) : A 5-year study using the French nationwide hospital administrative database**  
Guillaume Beltramo (DIJON, France), Jonathan Cottenet, Maxime Samson, Clément Foignot, Thomas Maitre, Caroline Abdul Malak, Philippe Camus, Catherine Quantin, Philippe Bonniaud
- PA3855** **Evaluation of incidental exacerbation of interstitial pneumonia in patients with non-respiratory diseases**  
Hirota Matsuzaki (Tokyo, Japan), YU MIKAMI, NAOYA MIYASHITA, HIDEYUKI TAKESHIMA, KOSUKE MAKITA, SATOSHI NOGUCHI, YASUHIRO YAMAUCHI, TAKAHIDE NAGASE
- PA3856** **Human Airway Trypsin-like protease exerts potent anti-fibrotic role in vivo.**  
Awen Menou (PARIS cedex 18, France), Sophie Moog, Pauline Flajolet, JanWillem Duitman, Aurélien Justet, Brigitte Solhonne, Yves Castier, Pierre Mordant, Hervé Mal, Aurélie Cazes, Jean-Michel Sallenave, Arnaud Mailleux, Bruno Crestani
- PA3857** **The impact of oxygen therapy in preterm infants with bronchopulmonary dysplasia**  
Svetlana Sciuca (Chisinau, Republic of Moldova), Cristina Tomacinschii, Aliona Cotoman, Rodica Selevestru, Olesia Aioani
- PA3858** **Pleuroparenchymal fibroelastosis: report of 4 cases**  
Ana Raquel Caldas Marçôa (Matosinhos, Portugal), Ana Raquel Caldas Marçôa, Sérgio Campaignha, Carla Nogueira, Filomena Costa, Agostinho Sanches, Sofia Neves
- PA3859** **Autoimmune pulmonary alveolar proteinosis complicated with infections: a nationwide surveillance study in Japan**  
Toru Arai (Osaka, Japan), Chikatoshi Sugimoto, Etsuro Yamaguchi, Yasuhiro Setoguchi, Toshio Ichiwata, Hiroshi Kida, Ryushi Tazawa, Kanji Uchida, Masahito Ebina, Kazutoshi Cho, Haruyuki Ishii, Takahiro Kasai, Masanori Kitaichi, Masanori Akira, Masaki Hirose, Akiko Matsumuro, Koh Nakata, Yoshikazu Inoue, Yoko Imai
- PA3860** **Clinical and radiological correlation of pulmonary complications in CHOP versus rituximab-CHOP regimen treated non-Hodgkin's lymphoma in Thailand**  
Theerasuk Kawamatawong (Bangkok, Thailand), Yingluk Watcharananan, Teeraya Puavilai, Warawut Sukkasem
- PA3861** **Concentration of serum vascular endothelial growth factor D and its correlation with functional and clinical variables in patients with lymphangiomyomatosis from a Brazilian reference centre**  
Martina Rodrigues Oliveira (SAO PAULO/SP, Brazil), Alexandre Franco Amaral, Fabio Eiji Arimura, Carolina Salim Freitas, Ronaldo Adib Kairalla, Carlos Roberto Ribeiro de Carvalho, Bruno Guedes Baldi
- PA3862** **Diffuse alveolar hemorrhage - review of an interstitial lung disease clinic**  
Margarida Afonso (Coimbra, Portugal), Tiago M Alfaro, Vania Fernandes, Jessica Cemlyn-Jones
- PA3863** **Impact of smoking and lung alterations on aging related manifestations in HIV patients.**  
Laurent Boyer (CRETEIL, France), Etienne Audureau, Florence Canoui-Poitrine, Laurent Margarit, Sophie dominguez, Jose Luis Zaragoza, Yves Levy, Jean-Daniel Lelievre, Serge Adnot
- PA3864** **Altered epigenetic features in circulating nucleosomes in idiopathic pulmonary fibrosis**  
Julien Guiot (Liège, Belgium), Ingrid Struman, Marcela Chavez, Monique Henket, Marielle Herzog, Katerine Scoubeau, Nathalie Hardat, Benjamin Bondue, Jean-Louis Corhay, Catherine Moermans, Renaud Louis
- PA3865** **Interstitial pneumonia with autoimmune features: "new coat of paint"**  
Maria Alvarenga Santos (LISBOA, Portugal), Susana Clemente, Sofia Furtado

TP-17 (Hall 4)

Session 446

12:50 - 14:40

Thematic Poster: Primary care management of asthma and self-management of respiratory disease

**Chairs :** Jiska B. Snoeck-Stroband (Leiden, Netherlands), António Jaime Correia De Sousa (PORTO, Portugal), Karin Lisspers (Gagnef, Sweden), Dermot Ryan (Derby, United Kingdom)

<b>PA3866</b>	<b>Significant percentage of asthma patients failed to achieve control in the first year after initiating medium or high dose ICS/LABA</b> Hui Cao (Princeton, United States of America), Andrew Wilson, Emil Loeffroth, Dorothy Keininger, Robert Fogel
<b>PA3867</b>	<b>Breathing exercises delivered by DVD or face to face physiotherapy-acceptability to patients in the BREATHE study</b> Mike Thomas (Southampton, United Kingdom), Anne Bruton, Lucy Yardley, Emily Arden-Close, Sarah Kirby
<b>PA3868</b>	<b>Asthma therapy using Heart Rate Variability modulation by biofeedback</b> David Shoseyov (Carnei Yosef, Israel), Elad Fein, Yuval Oded , Ashwin Mani
<b>PA3869</b>	<b>Derivation of asthma phenotypes in primary care</b> Rishi Khusial (Den Haag, Netherlands), Jacob Sont, Rik Loijmans, Tjard Schermer, Persijn Honkoop, Jiska Snoeck-Stroband
<b>PA3870</b>	<b>Characteristics of asthma patients with frequent exacerbations – an observational study in Sweden</b> Christer Janson (Uppsala, Sweden), Karin Lisspers, Björn Stållberg, Gunnar Johansson, Marcus Thuresson, Gunilla Telg, Kjell Larsson
<b>PA3871</b>	<b>Small airways functioning in obesity asthma patients – a cross-sectional study</b> Marise Kasteleyn (Leiden, Netherlands), Tobias Bonten, Renée de Mutsert, Willemien Thijs, Pieter Hiemstra, Saskia le Cessie, Frits Rosendaal, Niels Chavannes, Christian Taube
<b>PA3872</b>	<b>Exploring professionals' and managers' perspectives of implementing asthma self-management: a qualitative study from the IMP2ART programme</b> Hilary Pinnock (Edinburgh, United Kingdom), Susan Morrow, Luke Daines, Sharon Wiener-Ogilvie, Liz Steed, Lorna McKee, Stephanie Taylor
<b>PA3873</b>	<b>Educational interventions for professionals implementing supported self-management: a systematic review from the IMP2ART programme</b> Hilary Pinnock (Edinburgh, United Kingdom), Nicola McCleary, Amanda Andrews, Audrey Buelo, Susan Morrow, Sharon Wiener-Ogilvie, Monica Fletcher, Liz Steed, Stephanie Taylor
<b>PA3874</b>	<b>What features do patients 'want' in a mobile asthma app?: a qualitative study</b> Chi Yan Hui (Edinburgh, United Kingdom), Robert Walton , Brian McKinstry, Hilary Pinnock
<b>PA3875</b>	<b>Evaluating the effectiveness of a locally developed Personal Asthma Action Plan (PAAP).</b> Jane Peach (Crewe, United Kingdom), Angela Cooper
<b>PA3876</b>	<b>Asthma cost-effectiveness analyses: Are we using the recommended outcomes in estimating value?</b> Job F.M. van Boven (Groningen, Netherlands), Piyameth Dilokthornsakul, Jonathan D Campbell, Chong H Kim
<b>PA3877</b>	<b>Effectiveness of community-based self-management interventions among primary care COPD patients: a systematic review</b> Kate Jolly (Birmingham, United Kingdom), Manbinder Sidhu, Elizabeth Bates, Saimma Majothi, Alice Sitch, Sue Bayliss, Samuel Kim, Rachel Jordan
<b>PA3878</b>	<b>Stimulation of usage of self-management platforms through integration in disease management</b> Esther P.W.A. Talboom-Kamp (Breda, Netherlands), Marise Kasteleyn, Noortje Verdijk, Niels Chavannes, Lara Harmans, Irvin Talboom, Mattijs Numans
<b>PA3879</b>	<b>Morning symptoms and physical activity in the morning in patients with chronic obstructive pulmonary disease – a cross-sectional study</b> Amanda R. van Buul (Leiden, Netherlands), Marise Kasteleyn, Niels Chavannes, Christian Taube
<b>PA3880</b>	<b>Concordance between patients and pulmonologists valuation of treatment goals in COPD</b> Ruxandra Ulmeanu (Bucuresti, Romania), Florin Mihaltan, Dorin Vancea, Paraschiva Postolache, Gabriela Teodorescu
<b>PA3881</b>	<b>Factors associated with therapeutic compliance in COPD</b> Juan Rigual Bobillo (VALLADOLID, Spain), Gianna Vargas Centanaro, Fernando Pelaez, Juan Luis Rodríguez Hermosa, Elena Forcén, Jose Luis Álvarez-Sala, Myriam Calle
<b>PA3882</b>	<b>Contribution of Total Serum IgE, Absolute Eosinophil Count, Pre-treatment FEV1 and post bronchodilator reversibility to augment the diagnosis of Bronchial Asthma.</b> Pradeep Nirala (VARANASI (UTTAR PRADESH), India), Mohit Bhatia, J.K. Mishra, Avinash Jain
<b>PA3883</b>	<b>Clinical predictors of airway obstruction in primary care</b> Salvatore Bucchieri (Palermo, Italy), Palma Audino, Pietro Alfano, Mario Raphael Melis, Fabio Cibella, Giuseppina Cuttitta, Group Snamid



TP-18 (Hall 4)

Session 447

12:50 - 14:40

**Thematic Poster: Primary care management of respiratory symptoms, allergies, inhalers and adherence****Chairs :** Persijn Honkoop (Leiden, Netherlands), Luke Daines (Edinburgh, United Kingdom), Bjorn Stallberg (Uppsala, Sweden)

- PA3885** **Late Breaking Abstract - Danirixin (GSK1325756) improves respiratory symptoms and health status in mild to moderate COPD – results of a 1 year first time in patient study**  
Bruce Miller (Phoenixville, United States of America), Aili Lazaar, Maggie Tabberer, John Yonchuk, Dave Collins, Nancy Leidy, Claire Ambery, Jackie Bloomer, Henrik Watz, Ruth Tal-Singer
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- PA3886** **Late Breaking Abstract - Predictive value of FeNO in patients with non-specific respiratory symptoms: a randomised controlled trial**  
David Price (Aberdeen, United Kingdom), Roland Buhl, Anne Copland, Daryl Freeman, Clifford Godley, Kevin Gruffydd-Jones, Therese Lapperre, Lisa Law, Lorcan Mccarvey, Ken Ohta, Dermot Ryan, Jorgen Syk, Ngiap Chuan Tan, Tze Lee Tan, Mike Thomas, Adrian Chan
- 
- PA3887** **Fine score is superior to CURB-65 in predicting severity of pneumonia**  
sarra ammari (manouba, Tunisia), Ferdaous Yangui, Mariem Triki, Maher Abouda, Mohamed Ridha Charfi
- 
- PA3888** **The curious incident of the inhaler using dog and other remarkable inhaler technique stories from real-life clinical practice. An IRW study**  
Esther I. Metting (Groningen, Netherlands), Paul Hagedoorn, Siebrig Schokker, Ellen Van Heijst, Titia Klemmeier, Marije Lieshout, Hester Hoving, Vera Otermann, Marielle Taming, Warner Postma, Rozemarijn Ettema, Miguel Roman-Rodriguez, Ioanna Tsilligiani, Thys Van Der Molen, Janwillem Kocks, Kim Burger
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- PA3889** **Comparing asthma and COPD inhaler devices in real life clinical practice in the UK: differences in training requirements and preference**  
Henry Chrystyn (Bingley, United Kingdom), Hicham Benhaddi, Marianka van der Tol, Jaco Voorham, John Haughney, Sinthia Bosnic-Anticevich, David Price, Nicholas Roche
- 
- PA3890** **Assessing NHS stop smoking service engagement in community pharmacies using actors**  
Sandra Jumbe (LONDON, United Kingdom), Wai Yee James, Robert Walton, Chris Griffiths, Vichithranie Madurasinghe, Ratna Sohanpal, Elizabeth Steed, Steph Taylor, Sandra Eldridge
- 
- PA3891** **Beliefs and behaviours towards chronic lung disease - a mixed-method FRESH AIR study**  
Evelyn Brakema (Amsterdam, Netherlands), Rianne van der Kleij, Charlotte Poot, Liza Cragg, Sian Williams, Mattijs Numans, Mathilda Crone, Ria Reis, Bruce Kirenga, Christos Lionis, Talant Sooronbaev, Niels Chavannes, Pham Le An
- 
- PA3892** **Living with breathlessness: a systematic literature review and thematic synthesis**  
Ann Hutchinson (Hull, United Kingdom), Natalie Barclay-Kling, Kathleen Galvin, Miriam Johnson
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- PA3893** **Comparison of depression and anxiety between patients with different dyspnea levels**  
Sonia Torres-Montiel (Mexico City, Mexico), Viridiana Pelaez-Hernandez, Francisco Figueroa-Herrera, Bernardo Robles-Uribe, Elisa Perez-Cabañas, Arturo Orea-Tejeda, Dulce Gonzalez-Islas, Abril Jimenez-Cepeda, Ana Navarrete-Peñaloza, Leslie Verdeja-Vendrell, Guillermo Perez-Cortes, Luis Castillo-Aguilar, Rocio Sanchez-Santillan
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- PA3894** **Development and first validation of the COugh Assessment Test (COAT)**  
Seung Hun Jang (Anyang, Republic of Korea), Joo-Hee Kim, Hyeon-Kyoung Koo, Ina Jeong, So Young Park, Dong-Gyu Kim, Chin Kook Rhee, Yee Hyung Kim, Sung-Kyoung Kim, Eun Young Choi, Ji-Yong Moon, Jong-Wook Shin, Jin Woo Kim, Kyung Hoon Min, Deog Kyeom Kim, Hyun Lee, Je Hyeong Kim, Hyoung Kyu Yoon, Hui Jung Kim
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- PA3895** **The development and implementation of a lung health awareness programme in a rural district of Uganda**  
Frederik van Gemert (Groningen, Netherlands), Bruce Kirenga, Rupert Jones, Sian Williams
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- PA3896** **Relationship between anxiety, depression and walking distance in cardiorespiratory failure patients**  
Sonia Torres-Montiel (Mexico City, Mexico), Arturo Orea-Tejeda, Viridiana Pelaez-Hernandez, Elisa Perez-Cabañas, Bernardo Robles-Uribe, Francisco Figueroa-Herrera, Dulce Gonzalez-Islas, Guillermo Perez-Cortez, Luis Castillo-Aguilar, Rocio Sanchez-Santillan, Leslie Verdeja-Vendrell, Abril Jimenez-Cepeda, Ana Navarrete-Peñaloza
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- PA3897** **Gender differences in perceived stress, psychological well-being and therapeutic compliance**  
Sonia Torres-Montiel (Mexico City, Mexico), Viridiana Pelaez-Hernandez, Bernardo Robles-Uribe, Elisa Perez-Cabañas, Francisco Figueroa-Herrera, Arturo Orea-Tejeda, Dulce Gonzalez-Islas, Rocio Sanchez-Santillan, Leslie Verdeja-Vendrell, Guillermo Perez-Cortes, Ana Navarrete-Peñaloza, Luis Castillo-Aguilar, Abril Jimenez-Cepeda
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- PA3898** **Factors related with adherence to oxygen therapy in COPD patients.**  
Javier Berraondo Fraile (Palma De Mallorca, Spain), Antonio Albaladejo Dávalos, Pilar Gual Capllonch, Andrés Maimó Bordoy, Antonia Fuster Gomila, Salvador Pons Vives, Rubén Garrido Llamas

- PA3899** **Influence of primary physician factors on the effects of patient education program in airway diseases**  
Hee Soon Chung (Seoul, Republic of Korea), Jungsil Lee, Ju-Hee Park, Jung-Kyu Lee, Eun Young Heo, Sang-Ha Kim, Tae-Hyung Kim, Yong Bum Park, Hyoung Kyu Yoon, Chin Kook Rhee, Kwang Ha Yoo, Ho-Kee Yum, Deog Kyeom Kim
- PA3900** **Managing allergic rhinitis in primary care: the general practitioner and pharmacists.**  
Biljana Cvetkovski (Sydney, NSW, Australia), Zachary Carey-Smekel, Vicky Kritikos, Kwok Yan, Sinthia Bosnic-Anticevich
- PA3901** **Lactase deficiency and intestinal microbiota of patients with asthma.**  
Svetlana Marova (ST PETERSBURG, Russian Federation), Olga Dudina, Natalia Shaporova
- PA3902** **The management of allergic reactions in the pre-hospital setting: Does parenteral adrenaline get used unnecessarily?>**  
Craig Mortimer (Sevenoaks, United Kingdom)
- PA3903** **Assessment of impact on length of stay (LOS) and cost burden of respiratory inpatients after introduction of hospital at home(H@H) service for bronchiectasis**  
Ming Lim (London, United Kingdom), Roselle Phelan, Katharine Hurt
- PA3904** **Monday effect: Flow-time analysis to decrease waiting time in a Respiratory Emergency Unit**  
Sebastian Rodriguez-Llamazares (Mexico city, Mexico), Evelyn Lizette Sanchez-Ramos, Jessica Valencia-Rivero, Luis Joel Arroyo-Hernández, Edgar Felipe Castro-Arellano, Jose Luis Sandoval-Gutierrez, Ma. De Lourdes García-Guillen

TP-19 (Hall 4)

Session 448

12:50 - 14:40

**Thematic Poster: Translational studies of lung disease****Chairs :** Kylie Belchamber (London, United Kingdom), Silke Meiners (Munich, Germany), Niki D. J. Ubags (Epalinges, Switzerland)

- PA3905** **Reduced expression of the transcription factor KLF4 in COPD macrophages is associated with dysfunctional differentiation**  
Jessica Tilman (London, United Kingdom), Peter Barnes, Louise Donnelly
- PA3906** **Functional activity of bronchial neutrophils in the patients with cold airway hyperresponsiveness (CAHR) in severe asthma**  
Juliy M. Perelman (Blagoveshchensk, Amur Oblast, Russian Federation), Aleksey B. Pirogov, Sergey V. Zinov'ev, Anna G. Prikhodko, Dina A. Gassan, Natyana A. Maltseva, Svetlana V. Naryshkina, Juliy M. Perelman
- PA3907** **Factors predicting the development of asthma in wheezing children**  
Simonetta Baraldo (Padova, PD, Italy), Matteo Bonato, Deborah Snjiders, Erica Bazzan, Graziella Turato, Silvia Ferrarese, Roberta Cenedese, Chiara Rigobello, Maria Enrica Tiné, Kim Lokar Oliani, Manuel G. Cosio, Angelo Barbato, Marina Saetta
- PA3908** **Characterization of adipose tissue inflammation in morbidly obese asthmatics**  
Yasemin Türk (Rotterdam, Netherlands), Yasemin Türk, Astrid van Huisstede, Annemarie van Schadewijk, Barbro Melgert, Pieter Hiemstra, Gert-Jan Braunstahl
- PA3909** **DJ-1 and its anti-oxidative stress response regulates the expression of sirtuin-1 in COPD epithelial cells**  
Takeshi Koga (London, United Kingdom), Chaitanya Vuppusetty, Kazuhiro Ito, Peter J Barnes, Jonathan R Baker
- PA3910** **Immortalisation of human alveolar epithelial cells to investigate the mechanistic effects of inhaled airborne materials in vitro**  
Alberto Katsumiti (Plentzia (Basque Country), Spain), Pakatip Ruenraroengsak, Miren P. Cajaraville, Andrew J. Thorley, Teresa D. Tetley
- PA3911** **Different expression profile in lung primary cell lines exposed to septic plasma of rats**  
Josep Bringue (BARCELONA, Spain), Raquel Guillamat-Prats, Marta Camprubi-Rimblas, Eva Torrents, Maria Luisa Martinez, Antonio Artigas, Neus Tantinya, Luis Morales
- PA3912** **Evaluation of cadmium cytotoxicity using alveolar epithelial cells derived from human induced pluripotent stem cells**  
Hye-Ryeon Heo (Chuncheon, Republic of Korea), Jeeyoung Kim, Ji Young Kim, Se-Ran Yang, Hanbyeol Lee, Kye-Seong Kim, Woo Jin Kim, Seok-Ho Hong
- PA3913** **Disturbed fatty acid metabolism in airway secretions of patients with Chronic Obstructive Pulmonary Disease**  
Anne M. van der Does (Leiden, Netherlands), Marieke Heijink, Louise J. Persson, Dick-Paul Kloos, Marianne Aanerud, Per Bakke, Christian Taube, Tomas Eagan, Pieter S. Hiemstra, Martin Giera
- PA3914** **B1 and B2 lymphocytes in peripheral blood and bronchoalveolar lavage fluid of patients with COPD**  
Aliaksei Kadushkin (Minsk, Belarus), Anatoli Tahanovich

- PA3915** **Decreased degranulating and mast cells in the small airway wall of COPD patients is indicative of dysfunctional immunity.**  
Mathew Eapen (Hobart, TAS, Australia), Elizabeth Tan, Chris Ward, Haydn Walters, Sukhwinder Singh Sohal
- PA3916** **Eosinophils impair degradation of airway substance P by inhibiting neutral endopeptidase**  
Katie Lebold (Portland, United States of America), Matthew Drake, Allison Fryer, Nancy Lee, James Lee, David Jacoby
- PA3917** **Metabolic changes in peripheral blood mononuclear cells (PBMCs) of subjects with chronic obstructive pulmonary disease (COPD)**  
Smita Kadam (PUNE (MAHARASHTRA), India), Baishakhi Ghosh, Komalkirti Apte, Ankita Brahme, Sundeep Salvi, Amit Agarwal
- PA3918** **Toxicological and inflammatory effects of engineered nanoparticles and diesel exhaust particles on human mesothelial cells**  
Canan Demir (Ankara, Turkey), Demet Tasdemir, Sedat Ilhan, Ahmet Feridun Isik, Hasan Bayram
- PA3919** **Oxidative stress modified DAMPs reduce phagocytic capacity in COPD**  
Paul Kirkham (Wolverhampton, United Kingdom), Trevor Whittall
- PA3920** **Influence of emergency origin ionizing radiation on development of lung diseases and preventing measures (Chernobyl NPP Accident)**  
Lyudmila I. Shvayko (Kyiv, Ukraine)
- PA3921** **mTOR Pathway Activation Drives Lung-Cell Senescence and Emphysema in Chronic Obstructive Pulmonary Disease**  
Amal Houssaini (München, Germany), Marielle Breau, Kanny Kebe, Shariq Abid, Elisabeth Marcos, Larissa Lipskaia, Dominique Rideau, Aurelien Parpaleix, Jin Huang, Valérie AMSELLEM, Nora Vienney, Pierre Validire, Bernard Maitre, Christina Lukas, David Vindrieux, Jorge Boczkowski, Genevieve Derumeaux, Mario Pende, David Bernard, Silke Meiners, Serge Adnot
- PA3922** **Flow cytometry-based profiling of immune cells in asthmatic sputum**  
Michael Fricker (New Lambton Heights, NSW, Australia), Melanie Erriah, Collin Brooks, Jodie Simpson, Peter Gibson
- PA3923** **Specific NFKappaB and Rho-Quinase inhibitors compared to corticosteroid in asthma model in mice**  
Flávia Souza (Santos/Sp, Brazil), Flávia Souza, Leandro Camargo, Renato Righetti, Luciana Aristóteles, Tabata Maruyama, Silvia Fukuzaki, Edna Leick, Milton Martins, Carla Prado, Iolanda Tibério, Beatriz Romanholo
- PA3924** **Putative role of Eosinophilic cells in Chronic Obstructive Pulmonary Disease (COPD)**  
Anjali Trivedi (DELHI (NEW DELHI), India), Geetanjali Bade, Anjana Talwar, Debabrata Ghosh, Randeep Guleria, Nasim Akhtar

TP-20 (Hall 4)

Session 449

12:50 - 14:40

**Thematic Poster: Insight into the pathogenesis of emphysema and pneumonia**

Chairs : Jamil Jubrail (Paris, France), Martin Witzenzath (Berlin, Germany), Ken Bracke (Ghent, Belgium), John McDonough (Leuven, Belgium)

- PA3925** **Late Breaking Abstract - Aspirin-triggered resolvin D1 reduces pneumococcal lung burden in a viral and bacterial co-infection pneumonia model**  
Steven Bozinovski (Bundoora, Australia), Hao Wang, Desiree Anthony, Ross Vlahos
- PA3926** **Effect of cyclooxygenase-2 inhibition on lung inflammation and hypoxia-inducible factor-1 signalling in COPD model**  
Elena S. Lebedeva (St Petersburg, Russian Federation), Natalya N. Kuzubova, Olga N. Titova, Elena A. Surkova
- PA3927** **Time-dependent effects of diesel exhaust exposure on worsening of emphysema**  
Alyne Riani Moreira (maua, Brazil), Juliana Lourenço D., Julia B. Kohler, Larissa Emidio, Thamyres Castro, Luciano Delesposte, Beatriz M. Saraiva, Jose Mara Brito, Clarice Olivo, Carla M. Prado, Milton Martins, Fernanda D.T.Q.S. Lopes, Dolores Rivero
- PA3928** **Bufei Yishen granules and it combined with acupoint sticking therapy suppresses inflammation in COPD rats: via JNK/p38 signaling pathway**  
Yange Tian (Zhengzhou, China), Jiansheng Li, Ya Li, Suxiang Feng, Suyun Li, Jing Mao, Yuqiong Dong, Yang Xie, Xuefang Liu, Minghang Wang
- PA3929** **Placenta growth factor (PIGF) triggers small airway remodeling (SAR) in chronic obstructive pulmonary disease (COPD)**  
Hsin-Han Hou (Taipei, Taiwan)
- PA3930** **Role of lysyl oxidases in pathogenesis of pulmonary emphysema**  
Füsün Öztay (Istanbul, Turkey), Füsün Öztay, Neziha Besiktepe, Ezel Ersen

- PA3931** **The dysregulation of E-cadherin contributes to pulmonary emphysema**  
Özgecan Kayalar (Istanbul, Turkey), Merve Yildirim, Fusun Oztay
- PA3932** **Cadmium-induced inflammation and ER stress are mediated through C/EBP-DDIT3 signaling in human bronchial epithelial cells**  
SEOK-HO HONG (Chuncheon, Republic of Korea), Hye-Ryeon Heo, Jeeyoung Kim, Ji Young Kim, Se-Ran Yang, Hanbyeol Lee, Kye-Seong Kim, Woo Jin Kim
- PA3933** **Rapid alterations in gene expression by human bronchial epithelial cells after exposure to electronic cigarette liquid**  
Siiri Altraja (Tartu, Estonia), Mario Mitt, Alan Altraja
- PA3934** **Relationship between exhaled nitric oxide and clinical pattern in Community-acquired pneumonia patients**  
Natalja Voskresenska (Riga, Latvia), Julija Voicehovska, Sergejs Babikovs, Liga Bergmane, Mara Klibus, Aivars Lejnicks
- PA3935** **Host extracellular nucleic acids in severe pneumococcal pneumonia: Pathogenic mechanisms and therapeutic approaches**  
Luiz Gustavo Teixeira Alves (Berlin, Germany), Holger Müller-Redetzky, Sandra-Maria Wienhold, Eleftheria Letsiou, Martin Witzenrath, Suttorp Norbert
- PA3936** **Neutrophils produce microvesicles in pneumococcal pneumonia**  
Eleftheria Letsiou (Berlin, Germany), Gustavo Teixeira Alves, Matthias Felten, Holger Mueller-Redetzky, Timothy Mitchell, Martin Witzenrath
- PA3937** **Incomplete angiotensin-2 knockdown does not confer protection in murine pneumococcal pneumonia**  
Birgitt Gutbier (Berlin, Germany), Carolin Ehrler, Kristina Dietert, Geraldine Nouailles, Olivia Kershaw, Tim J. Mitchell, Achim D. Gruber, Norbert Weissmann, Norbert Suttorp, Martin Witzenrath

**TP-21 (Hall 4)****Session 450****12:50 - 14:40****Thematic Poster: Inhalers and their use**

**Chairs :** Anne J. Lexmond (Groningen, Netherlands), Alexander Mathioudakis (Manchester, United Kingdom), Timm Greulich (Marburg, Germany), Federico Lavorini (FIRENZE, Italy)

- PA3939** **Evaluation of delivered dose and treatment time of several mesh nebulizers under in vitro simulated use**  
Lois Slator (Chichester, United Kingdom), Filippo Quadrelli, Dirk von Hollen, Lucy Hardaker
- PA3940** **Optimizing inhalation technique with web-based videos in obstructive lung diseases**  
Tobias Mueller (Aachen, Germany), Michael Dreher, Annegret Müller, Christian Cornelissen, Christian Huebel, Wolfram Windisch, Verena Knipel
- PA3941** **Pressurized Metered Dose Inhaler (pMDI) Delivery to Infants via Valved Holding Chamber (VHC) with Facemask: Not All VHCs Perform the Same**  
Amanda Bracey (Gloucester, United Kingdom), Mark Nagel, Jason Suggett
- PA3942** **Predictors of continuous positive airway pressure adherence in obstructive sleep apnea syndrome**  
Veronica Leoni (Magnago, Italy), Dina Visca, Angelo De Lauretis, Antonio Spanevello
- PA3943** **Effect of breath-actuated mechanism on the emitted particle characteristics and lung deposition of a fixed combination drug**  
Arpad Farkas (Budapest, Hungary), David Lewis, Alpar Horvath
- PA3944** **Patients with underuse and overuse of inhaled corticosteroids have different perceptions and beliefs regarding COPD and inhalation medication**  
Kirsten Koehorst-Ter Huurne (Enschede, Netherlands), Marjolein Brusse-Keizer, Paul vanderValk, Kris Movig, Job van der Palen, Christina Bode
- PA3945** **Ease of use of inhalers and its impact on treatment adherence and control of asthma. An observational study**  
Esther Barbero Herranz (Madrid, Spain), Luis Maiz, Antonio Valero, Paula Ribó, Myriam Calle, Juan Igual, Vicente Plaza
- PA3947** **Delivery of Respimat Soft Mist Inhaler (SMI) from a Valved Holding Chamber (VHC)**  
Vlad Kushnarev (London, ON, Canada), Mark Nagel, Cathy Doyle, Jason Suggett
- PA3948** **The EDUCA (Elderly and Device Use in Chronic Asthma) multicentre Italian study on the assessment of errors and satisfaction in using the inhalers in elderly asthmatics: Preliminary results.**  
Silvia Terraneo (Arosio, Italy), Nicola Scichilone, Fabiano Di Marco, Angelo Corsico, Manlio Milanese, Iaria Baiardini

- PA3949** **Effect of CHF5993 pMDI (extrafine Beclometasone Dipropionate:BDP,Formoterol Fumarate:FF,Glycopyrronium Bromide:GB) on Clinically Important Deteriorations (CID) in COPD: post-hoc analysis of TRINITY study**  
Mario Scuri (PARMA, PR, Italy), Dave Singh, Alberto Papi, Stefano Vezzoli, Monica Spinola, Annamaria Muraro, Stefano Petruzzelli, Jorgen Vestbo
- PA3950** **Systemic bioavailability (BA) and pharmacodynamics (PD) of fluticasone propionate/formoterol (FP/FORM) via pressurised metered-dose inhaler (pMDI) or a novel breath-triggered inhaler (BTI)**  
Prashant Dalvi (CAMBRIDGE, United Kingdom), David Bell, Gill Mundin, Mark Lomax, Jo Woodward, Sanjeeva Dissanayake
- PA3951** **Novel nebulisation of budesonide as add-on treatment in uncontrolled asthmatics**  
Mark Main (Chippenham, United Kingdom), Gary Burgess, Julie Young, Alison Scrimgeour, Tim Harrison, Bernard Muellinger
- PA3952** **Demonstration of therapeutic equivalence between Salmeterol/fluticasone Easyhaler and Seretide Diskus**  
Satu Lähelmä (Kuopio, Finland), Merja Kirjavainen, Mikko Vahteristo, Jani Korhonen, Leena Mattila, Iissa Kivistö
- PA3953** **Evaluating inhalation technique among COPD patients comparing 4 different methods**  
Anders Løkke (Højbjerg, Denmark), Anders Løkke, Karoline Littrup King, Lotte HK Jørgensen
- PA3954** **Assessment of Pulmonary Deposition between two formulations of Salmeterol xinafoate/Fluticasone propionate HFA pMDI 25/125 mcg**  
Rebello Julliet (MUMBAI (MAHARASHTRA), India), Muneesh Garg, Raghu Naidu, Ratnakar Jadhav, Krishnan Iyer, Nazma Morde, Bill Brashier
- PA3955** **Evaluation of the systemic pharmacodynamic effects of two HFA formulations of Salmeterol xinafoate/Fluticasone propionate HFA pMDI 25/250 mcg**  
Rebello Julliet (MUMBAI (MAHARASHTRA), India), Nazma Morde, Jeevan Yewale, Bill Brashier
- PA3956** **IN-VITRO AEROSOL DEPOSITION OF VALVED HOLDING CHAMBERS FOR CHILDREN WITH BUDESONIDE pMDI**  
Nicolas Buchmann (Gräfelfing, Germany), Daniel Kohlmann, Karin Steinführer, Rosina Ledermüller
- PA3957** **Electronic monitoring devices in clinical trials – a doddle to use?**  
Ireti Adejumo (Nottingham, United Kingdom), Mitesh Patel, Tricia M McKeever, Dominick Shaw

## TP-22 (Hall 4)

## Session 451

12:50 - 14:40

## Thematic Poster: Asthma management

**Chairs :** Adam Barczyk (Katowice, Poland), Marialuisa Bocchino (Napoli, Na, Italy), Christian Taube (Essen, Germany), Huib A.M. Kerstjens (Groningen, Netherlands)

- PA3958** **Mepolizumab in patients 3 exacerbations and eosinophil count 300 cells/ $\mu$ L**  
Steven Yancey (Durham, United States of America), Frank C Albers, Eric S Bradford, Oliver N Keene, Robert Price
- PA3959** **Daily pattern of  $\beta$ 2-agonists: understanding real-life use of rescue medication**  
David Stempel (Rtp, United States of America), Stanley Szeffler, Heather Hoch, Michael Tuffli, Meredith Barrett, David Van Sickle
- PA3960** **Reslizumab for uncontrolled eosinophilic asthma in patients who experienced a single exacerbation in the previous year: sub-analysis of two phase 3 trials**  
Michael Wechsler (Denver, United States of America), Margaret Garin, Mirna McDonald, Stephanie Korn
- PA3961** **Omalizumab decreases medical resource utilisation in patients with severe allergic asthma in an Italian real-life setting**  
Giorgio Walter Canonica (Milan, Italy), Claudia Pitotti, Fabiana Saccheri, Laura Rigoni
- PA3962** **Omalizumab in severe allergic asthma: a 4-year real world experience, Fife, Scotland**  
Devesh Dhasmana (St Andrews, United Kingdom), Fiona Auld
- PA3963** **Patients' perception of allergic asthma and their compliance to omalizumab in an Italian clinical setting**  
Elena Bargagli, Paola Rottoli, Caterina Bucca, Maria Cristina Zappa, Marialma Berlendis, Michetti Giovanni, Cristiano Caruso, Marta Bartzeghgi, Laura Rigoni, Giorgio Walter Canonica, Bruno Macciocchi
- PA3964** **Effects of Omalizumab treatment on nasal symptoms (SNOT score) in patients treated for severe asthma.**  
Douglas Robinson (LONDON, United Kingdom), Jagdeep Sahota, Therese Bidder, Joel Solis, Harsha Kariyawasam
- PA3965** **How effective are oral steroids in asthma action plans?**  
T. K. Lim (Singapore, Singapore), N. Said, J. Beevi, C.C. Gan

- PA3966 Long term effect of Omalizumab on severe asthma**  
Michela Maria Bellocchia (TORINO, TO, Italy), Renza Ambrosanio, Filippo Patrucco, Monica Boita, Anna Maria Rella, Luana Focaraccio, Daniela Libertucci, Alessio Mattei, Paolo Solidoro, Caterina Bucca
- PA3967 Mepolizumab and the response to oral prednisolone in patients with severe eosinophilic asthma**  
Rahul Shrimanker (Bristol, United Kingdom), B Hargaden, P Bradding, AJ Wardlaw, CE Brightling, R Green, M Bafadhel, L Heaney, I Pavord, P Haldar
- PA3968 Longitudinal modeling of prebronchodilator FEV1 response to benralizumab for patients with severe asthma**  
Lorin Roskos (Gaithersburg, United States of America), Bing Wang, Li Yan, Binbing Yu, Peter Barker, Mitch Goldman
- PA3969 Monitoring of steroid-induced side-effects in a severe asthma service**  
Gareth Jones (Ellesmere Port, United Kingdom), Holly Stokes, Hassan Burhan, Hannah Joplin
- PA3970 A longitudinal follow-up of severe asthma patients receiving reslizumab**  
Pascal Chanez (Marseille, France), Margaret Garin, Mirna McDonald, Laurie Pahun, Arnaud Bourdin
- PA3971 Characterisation of exacerbations of severe eosinophilic asthma (SEA) on mepolizumab compared to placebo**  
Rahul Shrimanker (Bristol, United Kingdom), Beverley Hargaden, Peter Bradding, AJ Wardlaw, CE Brightling, Ruth Green, Mona Bafadhel, ID Pavord, Pranab Haldar, L Heaney
- PA3972 Follow-up of patients with severe asthma receiving reslizumab: an FEV1 analysis**  
Jorge Maspero (Buenos Aires, Argentina), Fernando Serrano, Mónica De Gennaro, Gabriel Benhabib, Marta Lampert, Evelin Sureda, Veronica Lawriwskyj, Mirna McDonald, Margaret Garin, Maria Antunez
- PA3973 Asthma control and exacerbation rate with omalizumab in Italian patients with severe allergic asthma: PROXIMA study**  
Caterina Bucca (Torino, To, Italy), Paola Rottoli, Bruno Macciocchi, Cristiano Caruso, Riccardo Polosa, Pierachille Santus, Biagio Polla, Marta Bartezaghi, Laura Rigoni, Giorgio Walter Canonica
- PA3974 Three years follow up after injection omalizumab therapy**  
Debajyoti Bhattacharyya (Delhi (New Delhi), India), Manu Chopra, Indramani Pandey
- PA3975 Is it possible to predict asthma outcomes? A disease model for economic analysis.**  
Luisa Alvares (Basel, Switzerland), Kevin Marsh, Jorgen Moller, Kelly Sutton, Irina Proskorovsky, Mira Krotneva, Praveen Kumar
- PA3976 Seasonality of asthma exacerbations: efficacy of fluticasone furoate/vilanterol 100/25µg (FF/VI) vs fluticasone furoate 100µg (FF) alone**  
Courtney Crim (Research Triangle Park, United States of America), Lucy Frith, Pinal Patel
- PA3977 Effect of CYP3A4 inhibitors verapamil and itraconazole on the pharmacokinetics of AZD7986, an oral DPP1 inhibitor**  
Jukka Mäenpää (Mölndal, Sweden), Philip Gardiner, Alexandra Jauhiainen, Robert Palmér, Kristina Stenvall, Bengt Larsson

## TP-23 (Hall 4)

## Session 452

12:50 - 14:40

## Thematic Poster: Biomarker-based asthma control

**Chairs :** Imran Satia (Blackburn, United Kingdom), Luis Pérez De Llano (Lugo, Spain), Andrei Malinovschi (Uppsala, Sweden), Juan Luis García Rivero (Mogro (Cantabria), Spain)

- PA3978 Periostin as a marker of Th2-related inflammation in patients with different types of chronic obstructive airway disease**  
Fco.De Borja Garcia-Cosio Piqueras (Palma de Mallorca, Spain), Luis Pérez de Llano, Irina Bobolea, Natividad de las Cuevas, Separ CHACOS study group, Jose Luis López-Campos, Vicente Plaza, Antolin Lopez-Viña, Alfons Torrego, Eva Martinez Moragon, Jose Luis Izquierdo, Javier Callejas, Joan Soriano, Marc Miravittles, Juan Jose Soler-Catalunya
- PA3979 Association between blood eosinophil count and risk of exacerbations in patients with COPD**  
Marjan Kerkhof (NORFOLK, United Kingdom), Sarang Rastogi, Marianna Alacqua, Gokul Gopalan, Sadia Halim, Rupert Jones, Chin Kook Rhee, Marc Miravittles, Ian Pavord, David Price
- PA3980 Predictors of a decreasing frequency of asthma symptoms. Results from the Disease Management Program (DMP) Bronchial Asthma in the North Rhine region in Germany.**  
Arne Weber (Köln, Germany), Sabine Groos, Jens Kretschmann, Christine Macare, Bernd Hagen
- PA3981 Rhinitis and onset of asthma: a 20-year prospective study of a random population sample**  
Howraman Meteran (Copenhagen, Denmark), Jesper Schou Nielsen, Charlotte Suppli Ulrik, Celeste Porsbjerg, Vibeke Backer

- PA3982** **Protective effect of salbutamol on peripheral airway constriction induced by sputum induction in asthma patients**  
Lucas Demey (BRUXELLES, Belgium), Alain Van Muylem, Alain Michils, Amaryllis Haccuria
- PA3983** **“App” for uncontrolled moderate-severe asthma patients follow-up**  
Sonia Herrero Martin (Pamplona (Navarra), Spain), Javier Hueto Perez de Heredia, Marisol Gomez, Alberto Cuesta Remon, Francisco Campano Lancharro, Tamara Gutierrez Urra, Pilar Cebollero Rivas
- PA3984** **Exhaled nitric oxide as predictor of bronchial hyperresponsiveness to methacholine in subjects with respiratory symptoms**  
Stefano Pizzimenti (Torino, Italy), Pavilio Piccioni, Enrico Heffler, Massimiliano Bugiani, Andrei Malinovski, Giovanni Rolla
- PA3985** **Dynamic hyperinflation: an important target for treatment in asthma**  
Akke-Nynke A.N. van der Meer (Leeuwarden, Netherlands), Aranka Hoekstra-Kuik, Anneke ten Brinke, E.H.D. Bel
- PA3986** **Real world evaluation of asthma control risk factors and management: findings from China national asthma control surveys**  
Dong Yang (Shanghai, China), Jiangtao Lin, Xin Zhou, Changzheng Wang, Mao Huang, Shaoxi Cai, Ping Chen, Qinchang Lin, Jiangying Zhou, Yuhai Gu, Yadong Yuan, Dejun Sun, Xiaohong Yang, Lan Yang, Jianmin Huo, Zhuochang Chen, Ping Jiang, Jie Zhang, Xianwei Ye, Huiguo Liu
- PA3987** **Lung Clearance Index (LCI) measurements are reproducible and associated with airway physiological changes in steroid naive asthmatic (SNA) adults**  
Jethin Rafique (Altrincham, United Kingdom), Thomas Southworth, Alan Bell, Umme Kolsum, Dave Singh
- PA3988** **Exacerbation utilities and durations by type: estimates from Phase III benralizumab studies**  
Sarowar Muhammad Golam (Gothenburg, Sweden), Lance Brannman, Mario Ouwens, Sarowar Muhammad Golam
- PA3989** **Breaking the cycle – enhancing asthma care through development of an asthma care bundle**  
Bobby Mann (Slough, Berkshire, United Kingdom), Rainer Golombek, Nitish Saini, Ashkan Sadighi, Zulfiquar Mirza, Robyn House, Giles Rolph, Leonel Flores, Ron Grant, Essam Ramhamadany
- PA3990** **Clinical significance of blood neutrophil differential count in patients with COPD**  
Yoonki Hong (Chunchen, Republic of Korea), Jinkyong Park, Young Ju Jung, Jin Seon Jeong, Ji Hyun Kim, Woo Jin Kim
- PA3991** **Blood EOSinophil counts in asthmatic patients in Italy (EOS study)**  
Andrea Rossi (Verona, Vr, Italy), Silvia Tognella, Adriano Vaghi, # On Behalf Of Eos/Aipo Study Group
- PA3992** **Evaluation of FeNo measurement as an alternative to sputum eosinophils in a severe asthma population**  
Gael Tavernier (Manchester, United Kingdom), Robert Niven, Dorothy, M. Ryan, Stephen, J. Fowler
- PA3993** **Exploring the clinical utility of measuring reversibility in mid expiratory flow and its relationship with FEV1 reversibility in patients with asthma.**  
Irena Laska (Prahara, VIC, Australia), Seymone Doyle, Lata Jayaram
- PA3994** **Association between blood eosinophil count and exacerbation risk in patients with asthma receiving medium- or high-dosage inhaled corticosteroids**  
Marjan Kerkhof (NORFOLK, United Kingdom), Trung N. Tran, Maarten van den Berge, Guy Brusselle, Gokul Gopalan, Rupert Jones, JanWillem Kocks, Andrew Menzies-Gow, Javier Nuevo, Ian Pavord, Sarang Rastogi, David Price
- PA3995** **Systemic and airways oxidative stress in competitive swimmers training in indoor chlorinated swimming pools**  
Sabina Skrgat (Golnik, Slovenia), Peter Korosec, Mira Silar, Izidor Kern, Matjaz Flezar, Robert Marcun
- PA3996** **Clinical impact of vitamin D deficiency on Tunisian asthmatics**  
Ferdaous Yangui (Tunis, Tunisia), Boutheina Melki, Maher Abouda, Mariem Triki, Mohamed Ridha Charfi
- PA3997** **Clinical and spirometric features of asthma patients with fixed airway obstruction**  
Ferdaous Yangui (Tunis, Tunisia), Boutheina Melki, Maher Abouda, Hadhemi Rejeb, Mariem Triki, Mohamed Ridha Charfi

TP-24 (Hall 4)

Session 453

12:50 - 14:40

**Thematic Poster: Chronic airway disease: markers of disease impact****Chairs :** Nikolaos Tzanakis (Heraklion, Crete, Greece), Jing Gao (HELSINKI, Finland), Fabio L. M. Ricciardolo (Orbassano (To), Italy), Bernardino Alcazar Navarrete (Cájar, Spain)

- PA3998** **Comparison of a portable device versus a specific spirometer for cough flow testing**  
André Maia Silva (Arvore, Portugal), Sofia Viamonte, Inês Machado Vaz, Miguel Almeida, Ana Gomes, Filipa Silva, João Carlos Winck

PA3999	<b>Comparison of prebronchodilator FEV1/FEV6 of handheld spirometry with postbronchodilator FEV1/FVC of spirometry in Korea: a pilot study</b> Chang Youl Lee (Chuncheon, Republic of Korea), Ji Young Hong, Myung-Goo Lee, Seung Hun Jang, Yong Il Hwang
PA4000	<b>Examining the specificity of an internally quenched fluorogenic substrate for neutrophil elastase</b> Charlene Robb (Belfast, United Kingdom), Timothy Ferguson, Kelly Moffitt, Darragh McCafferty, Brian Walker
PA4001	<b>Development of a novel immunoassay for the measurement of active plasmin in patients with IPF</b> Darragh McCafferty (Belfast, United Kingdom), Kelly Moffitt, Charlene Robb, Timothy Ferguson, Brian Walker, Winnie Tong
PA4002	<b>Asthma-COPD overlap syndrome (ACOS): a comparison between five different classification models</b> Gianna Camiciottoli (Firenze, Italy), Marco Palazzi, Chiara Allegrini, Giulia Ciardi, Fausto Leoncini, Francesca Bigazzi, Marianna Scola
PA4003	<b>Research of auscultatory phenomena in patients with partially controlled bronchial asthma during intrapulmonary auscultation</b> Irina Ponomareva (Ryazan, Russian Federation), Vladimir Abrosimov, Sergei Glotov, Yuriy Petrov
PA4004	<b>Volumetric capnography method in the evaluation of pulmonary emphysema in patients with COPD</b> Irina Ponomareva (Ryazan, Russian Federation), Vladimir Abrosimov, Sergei Subbotin
PA4005	<b>Airflow limitation as a predictor of peripheral atherosclerosis</b> Joo Hun Park (Suwon, Republic of Korea), Seung Soo Sheen, Sung Chul Hwang, Ji-Ye Jung, Chul Min Ahn, Sang Haak Lee, Yu-Il Kim, Jae Yeol Kim, Eun Mi Chun, Kwang-Ha Yoo, Jing Hong Kim
PA4006	<b>PRESTINE: The Pan-Canadian REspiratory STANDards INITiative for Electronic Health Records</b> Diane Loughheed (Kingston, ON, Canada), Ann K. Taite, Julia ten Hove, Alison Morra, Anne van Dam, Francine Ducharme, Madonna Ferrone, Andrea S. Gershon, Donna Goodridge, Brian Graham, Samir Gupta, Christopher Liciskai, Gemma Styling, Ana MacPherson, Itamar Tamari, Teresa To
PA4007	<b>Respiratory function and clinical outcome in children with repaired esophageal atresia (EA) and tracheoesophageal fistula (TEF)</b> Maria Francesca Patria (Milan, Italy), Stefano Ghislanzoni, Francesco Macchini, Mara Lelii, Alessandro Mori, Laura Maffei, Laura Senatore, Paola Marchisio
PA4008	<b>Assessment of exhaled breath condensate for non-invasive diagnosis of gastroesophageal reflux disease</b> Martina Doubková (Krenovice, Czech Republic), Martina Doubková, Jana Škřicková, Jiří Dolina, Dagmar Kindlová, Eva Pokojová, Pavol Šur, Julia Látná, Michal Greguš, Štefan Konečný, František Foret, Petr Kubá
PA4009	<b>Correlation between Lung Clearance Index (LCI) with SF6 and single breath diffusing capacity testing in elderly patients</b> Matthias Welsner (Essen, Germany), Sven Stieglitz
PA4010	<b>Correlation between respiratory system resistance and functional capacity of obese grade III women</b> Mayara Holtz de Paula (Ribeirão Preto, Brazil), Larissa Perossi Nascimento, Daniele Oliveira dos Santos, Letícia Helena De Souza, José Antônio Baddini Martinez, Hugo Celso Dutra de Souza, Ada Clarice Gastaldi
PA4011	<b>Asthma-COPD overlap syndrome shows favorable prognosis compared to pure COPD in Korean COPD cohort</b> Min Kwang Byun (Seoul, Republic of Korea), Hye Jung Park, Hyung Jung Kim, Chul Min Ahn, Kwang Ha Yoo, Ki Suck Jung
PA4012	<b>Regular follow-up visits reduce the risk for severe asthma exacerbation required admission</b> Min Kwang Byun (Seoul, Republic of Korea), Hye Jung Park, Hyung Jung Kim, Chul Min Ahn, Chin Kook Rhee, Kyung Joo Kim, Kwang-Ha Yoo
PA4013	<b>Predictors of variation in lung function of adults residing in Karachi, Pakistan</b> Muhammad Arslan Khan (Karachi, Pakistan), Shama Razzaq, Asaad Nafees
PA4015	<b>Breath VOC patterns of lung transplant recipients with and without chronic lung allograft dysfunction (CLAD)</b> Olaf Holz (Hannover, Germany), Lucas Kueppers, Jens Gottlieb, Mark Greer, Jens Hohlfeld
PA4016	<b>Adult bronchiectasis patients: microbiological insight in the Moldovan Bronchiectasis Registry</b> Oxana Munteanu (Chisihau, Republic of Moldova), Doina Rusu, Sofia Alexandru, Victor Botnaru, Irina Volosciuc
PA4017	<b>The development of a novel immunoassay for the quantification of active tryptase</b> Timothy Ferguson (Belfast, United Kingdom), Darragh McCafferty, Charlene Robb, Kelly Moffitt, Brian Walker



TP-25 (Hall 4)

Session 454

12:50 - 14:40

**Thematic Poster: Evolution or revolution in the treatment of asthma and allergies**

Chairs : Petros Bakakos (Athens, Greece), Marek Lommatzsch (Rostock, Germany), Chair to be confirmed

- PA4018 Dupilumab improves lung function and reduces severe exacerbations in uncontrolled persistent asthma patients with high and low reversibility**  
Mario Castro (St. Louis, United States of America), Jorge F. Maspero, Heribert Staudinger, Shyamalie Jayawardena, Jaman Maroni, Paul Rowe, Nikhil Amin, Gianluca Pirozzi, Neil M.H. Graham, Ariel Teper
- 
- PA4019 Novel inhaled delivery of anti-IL-13 mAb (Fab fragment): preclinical efficacy in allergic asthma**  
Neil Gozzard (Slough, United Kingdom), Daniel Lightwood, Markus Tservistas, Monique Zehentleitner, Kaushik Sarkar, Alison Turner, Bryan Smith, Sabrina Lamour, Tim Bourne, Stevan Shaw, Roger Palframan
- 
- PA4020 Evaluating the efficacy of omalizumab in severe persistent asthma patients**  
António Miguel Ferrão Silveira (LISBOA, Portugal), António Miguel Ferrão Silveira, Luís Carreto, Cecília Pardal
- 
- PA4021 Safety and Efficacy of Omalizumab in Elderly Patients with Uncontrolled Allergic Asthma.**  
Yavuz Havlucu (Manisa, Turkey), Arzu Yorgancioglu
- 
- PA4022 Clinical, inflammaory and functional analysis before, during and after treatment with Omalizumabe in patients with difficulty control asthma.**  
Marianna Ribeiro (SALVADOR/BA, Brazil), Isla Farias, Damille Sandes, Cleriston Queiroz, Tatiana Galvão, Marta Leie, Nereide Pereira, Antonio Carlos Lemos
- 
- PA4023 Novel treatment of eosinophilic bronchitis with allergic fungal sinusitis using mepolizumab**  
Yuichiro Takeshita (atami, Japan), Seiichi Nobuyama, Tetsuo Satou
- 
- PA4024 Mycosis induced asthma treatment: fluticasone/salmeterol vs. budesonide/formoterol reinforced by montelukast**  
Iryna Sygaieva (Kyiv, Ukraine)
- 
- PA4025 Budesonid/formoterol easyhaler: clinical efficiency and adherence to treatment in patients with partly controlled bronchial asthma (BA).**  
Nataliia Slepchenko (Vinnytsya, Ukraine), Andriy Sidorov, Nataliia Tsymbaliuk, Kostiantyn Dmytriiev, Yuriy Mostovoy
- 
- PA4026 Evaluation of inhalant deposition of ICS/LABA in the peripheral airway of asthma patients using Functional Respiratory Imaging (FRI)**  
Takashi Iwanaga (Osakasayama, Japan), Takenori Kozuka, Junko Nakanishi, Koji Yamada, Osamu Nishiyama, Hiroyuki Sano, Tamamichi Murakami, Yuji Tohda
- 
- PA4027 Asthma control using fluticasone propionate/salmeterol: GOAL study re-analysis using GINA 2016 guidelines**  
Jean Bousquet (Montpellier, France), Michael Gibbs, Nadeem Gul, Sally Hollis, Xin Zhou, William Busse, Eric D Bateman, Shaoguang Huang
- 
- PA4028 Sublingual allergen specific immunotherapy in children with respiratory allergies – long lasting efficacy**  
Ivana Filipovic (Sokobanja, Republic of Serbia), Zorica Zovkovic, Djordje Filipovic, Vesna Vekovic, Olivera Ostojic
- 
- PA4029 Sputum IL-1 is reduced with Azithromycin add-on therapy in patients with poorly controlled asthma**  
Jodie Simpson (New Lambton, Australia), Heather Powell, Kavita Pabreja, Ian Yang, John Upham, Paul Reynolds, Sandra Hodge, Alan James, Christine Jenkins, Matthew Peters, Guy Marks, Peter Gibson, Melissa Baraket
- 
- PA4030 Is antibiotic treatment during asthma exacerbation necessary ?**  
Sarrah Maazaoui (Tunis, Tunisia), Bisma Hamdi, Khoulood Abdelmoulah, Alaa Akkad, Baraa Bdira, Jamel Ammar, Anissa Berraies, Agnes Hamzaoui
- 
- PA4031 Factors influencing medication adherence amongst difficult-to-treat asthma patients**  
Qi Cao (Singapore, Singapore), Mariko Siyue Koh, Anthony CA Yui, Adrian KW Chan, Thun How Ong, Su Ying Low, Keng Leong Tan, Yu Heng Kwan, Xiaohui Xin, Rehena Sultana, Jin Liu, Devanand Anantham
- 
- PA4032 Efficacy and safety of sequential three-step empirical therapy for chronic cough: a multi-center clinical study**  
Li Yu (Shanghai, China), Xianghuai Xu, Qiang Chen, Siwei Liang, Cuiqin Shi, Hanjing Lv, Zhongmin Qiu
- 
- PA4033 Comparative study enters the educational level of the asthmatic patients and his impact on the control of asthma**  
Khouchilia Fatimazahra (casablanca, Morocco), Wiam Elkhatabi, Hasna Jabri, Hicham Afif
- 
- PA4034 Severe ketorolac-induced asthma diagnosed by chest CT**  
V Fernandes (Maceira LRA, Portugal), T.M. Alfaro, F Fradinho, F.S. Regateiro, J.P. Baptista, C.R. Cordeiro
- 
- PA4035 Study of Efficacy of Sublingual Immunotherapy in Cases Asthma & Allergic Rhinitis in India**  
Dr Naren Pandey (Kolkata (West Bengal), India), BIBHORE SENGUPTA, SANKAR SAHA

**PA4036 Allergen specific immunotherapy efficacy in children with pollen-food allergy syndrome and different IgE profiles to recombinant component-resolved allergens.**  
Oksana Ereshko (Moscow, Russian Federation), Leyla Namazova-Baranova, Elena Vishneva, Svetlana Makarova, Marina Snovskaya, Julia Levina, Kamilla Efendieva, Anna Alekseeva

**PA4037 Real-world study to evaluate the safety and effectiveness of fluticasone propionate/formoterol (FP/FORM) in patients with asthma**  
Vibeke Backer (Copenhagen, Denmark), Carla Bennett, Sabine Mersmann, Arthur Meiners, Tim Overend

**TP-26 (Hall 4) Session 455 12:50 - 14:40**

**Thematic Poster: Many faces of asthma and allergies**

**Chairs :** Johann Christian Virchow (Rostock, Germany), Ioana Agache (Brasov/Brasov, Romania), Chair to be confirmed

**PA4038 Thunderstorm asthma in Melbourne, Australia: Single centre patient outcomes and clinical review**  
Joy Lee (Mont Albert North, Australia), Caroline Kronborg, Mark Hew

**PA4039 Understanding the physical and psychological impact of living with uncontrolled moderate-severe asthma via patient led video ethnography**  
Eleanor Biggs (London, United Kingdom), Victoria Allan (Sydney, NSW, Australia), Eleanor Biggs, Victoria Guyatt, Hannah Mills

**PA4040 IgE sensitization to *Aspergillus fumigatus* among children in allergological centre of Saratov**  
Natalia Astafieva (Saratov, Saratov Oblast, Russian Federation), Inna Gamova, Irina Perfilova, Ekaterina Udovichenko, Lubov Skutchavaeva, Irina Michailova

**PA4041 Any correlation between the results of skin-prick test and the severity of asthma?**  
Stefano Pizzimenti (Torino, Italy), Pavilio Piccioni, Massimiliano Bugiani, Aurelia Carosso, Giulia Trucco, Roberta Tassinari, Giulia Squillacioti, Angelo Guido Corsico, Giuseppe Verlatto, Roberto Bono

**PA4042 Characteristics of eosinophilic severe asthmatics in the Wessex Severe Asthma Cohort (WSAC)**  
Thomas Jones (Portsmouth, United Kingdom), Thomas Brown, Scott Elliott, Hitasha Rupani, Anoop Chauhan, Clair Barber, Kerry Gove, Laurie Lau, Peter Howarth

**PA4043 Upper airway disorders in patients with upper airway cough syndrome.**  
Olga Truba (Warszawa, Poland), Marta D browska, El bieta Grabczak, Magdalena Arcimowicz, Aleksandra Rybka, Marta Rybka, Rafa Krenke

**PA4044 Investigating asthma comorbidities: a systematic scoping review**  
Karim El Ferkh (Edinburgh, United Kingdom), Eleftheria Vasileiou, Bright I. Nwaru, Chris Griffiths, Aziz Sheikh, Chris Weir

**PA4045 Clinical effect of allergic rhinitis in adult bronchiectasis**  
Elif Yelda Ozugun Niksarlioglu (Istanbul, Turkey), Sacide Rana Isik, Mustafa Demirturk, Mehmet Atilla Uysal, Derya Unal, Gungor Camsari

**PA4046 Study to determine reference ranges for specific serum IgG against antigens implicated in hypersensitivity pneumonitis in Singapore**  
Yi Hern Tan (Singapore, Singapore), Su Ying Low, Chian Min Loo, Cecilia Cheng Lai Ngan, Shan Wei Huang

**PA4047 Impact of air pollution on bronchial asthma**  
Jaiying Luo (Guangzhou, China), ZhaoYong Zhang, JiaJun Guo, Hao Yu, XuFei Wang, SongQuan Long

**PA4048 The creation and long-term follow-up of a cohort of asthmatic patients. Baseline clinical characteristics of the study population: The MEGA Project:**  
M<sup>a</sup> Jesus Cruz Carmona (Barcelona, Spain), Xavier Munoz, Ebymar Arismendi, Pilar Barranco, Blanca Cárdbada-Olombada, Victoria del Pozo, María del Mar Fernández-Nieto, Francisco-Javier González-Barcala, Juan-Alberto Luna, José-María Olaguibel, Cesar Picado, Vicente Plaza, Santiago Quirce, Joaquín Sastre, Lorena Soto, Silvia Uriarte, Antonio Valero, María del carmen Vennera

**PA4049 Atopic Sensitisation of the Isle of Wight Birth Cohort at 26 Years**  
Claire Hodgekiss (Chichester, United Kingdom), Hasan Arshad, Graham Roberts, John Holloway, Elinor Jenkins, Ramesh Kurukulaaratchy

**PA4050 Annual decline in forced expiratory volume and airways inflammatory cells, mediators in general population based sample.**  
Natalia Kononova (Lørenskog, Norway), Vidar Soyseth, Gunnar Einvik, Liv Ingunn Bjornar Sikkeland, Faiza Mahmood

- PA4051 Asthma symptoms, SABA use, and lung function before and after a moderate or severe exacerbation**  
Johann Christian Virchow (Rostock, Germany), Ida Smith, Victoria Cardona, Hanne Villesen, Christian Ljørring, Dorte Rehm, Johann Christian Virchow
- PA4052 A cross-sectional observational study on allergen sIgE positivity among allergic patients in a southeast coastal versus a southwest inland region of China.**  
Wenting Luo (Guangzhou, China), Baoqing Sun, Zehong Wu
- PA4053 Relationships between upper airway diseases and lower airway obstruction in the adult Korean general adult population**  
Ha-Kyeong Won (Seoul, Republic of Korea), Ji-Won Lee, Sung-Yoon Kang, Jung-Hyun Kim, Min-Hye Kim, Woo-Jung Song, Sae-Hoon Kim, Heung-Woo Park, Yoon-Seok Chang, Sang-Heon Cho, Kyoung-Hee Sohn, So-Hee Lee
- PA4054 Risk factors for severe exacerbations in a real-life population of adults with severe refractory asthma**  
Rekha Chaudhuri (Glasgow, United Kingdom), Liam G Heaney, Nicola Gallagher, Christopher E Brightling, Andrew N Menzies-Gow, Adel H Mansur, Robert Niven, Douglas C Cowan, Wai-ting N Lee, Charles McSharry, Malcolm Shepherd, Christopher C Patterson, Jieqiong F Yang, Neil C Thomson
- PA4055 Zoonotic exposure to helminths is associated with allergic sensitization in a Norwegian population**  
Nils Oskar Jogi (Tallinn, Estonia), Silver Peeter Siik, Erin Logan, Vivi Schlunssen, Cecilie Svanes, John W. Holloway, Randi J. Bertelsen, William Horsnell
- PA4056 Clinical characteristics and outcome of patients with allergic bronchopulmonary aspergillosis**  
( ), Kashif Aziz, Muhammad Irfan, Nousheen Iqbal
- PA4057 Attention to ACOS in patients with asthma and COPD: Results from a national- multicentered study**  
Elif en (Ankara, Turkey), Gülfem Elif Çelik, Ömür Aydın, Tunçalp Demir, Bilun Gemicio lu, Esen K yan, Dil ad Mungan, K v lc m O uzülgen, Mehmet Polatlı, Özlem Göksel, Abdullah Say ner, Nurhayat Y ld r m, Füsün Y ld z, Arzu Yorganc o lu, Atilla Elhan, Öznur Y ld z, İknur Ba yi it, ermin Börekçi, Yavuz Havlucu, Gülfer Okumu, Murat Türk, Sevgi Saryal

## TP-27 (Hall 4)

## Session 456

12:50 - 14:40

## Thematic Poster: Bronchiectasis and NTM infections: epidemiology, phenotyping and therapeutic strategies

**Chairs :** Pieter Goeminne (Bornem, Belgium), Felix C. Ringshausen (Hannover, Germany), Michael Loebinger (London, United Kingdom), Aikaterini Dimakou (Agia Paraskevi, Greece)

- PA4058 Phenotype characterization of non-cystic fibrosis bronchiectasis in India.**  
Raja Dhar (Kolkata (West Bengal), India), Sagar Chandrashekariah, George Dsouza, Srinivas Rajagopalan, Virendra Singh, Rajesh Swarnakar, Surya Kant, Deepak Talwar, Archana Baburao, Aditya Jindal, Babaji Ghewade, Gayathri Devi HJ, Girija Nair, PA Mahesh, Samir Gami, Sushant Meshram, Naveen Dutt, Kaushik Saha, Sundeep Salvi, Sneha Limaye, Stefano Aliberti, James Chalmers
- PA4059 PROGNOSIS - the German Bronchiectasis Registry: first results**  
Felix C. Ringshausen (Hannover, Germany), Pontus Mertsch, Jessica Rademacher, Andrés de Roux, Grit Barten, Roland Diel, Elena Gert, Joelle Naim, Annegret Zurawski, Tobias Welte
- PA4060 The effect of gender on sputum microbiological profile in non-cystic fibrosis bronchiectasis**  
Kai Kong Lee (London, United Kingdom), Hoi Wong, Charles Reilly, Patricia Macedo, Caroline Elston, Sarah Floyd
- PA4061 Non-cystic fibrosis bronchiectasis: etiology and predictors of exacerbations and mortality in patients across the largest health system in central and western Massachusetts**  
Jisoo Lee (Providence, United States of America), Sunkaru Touray, Scott Kopec
- PA4062 Neutrophil extracellular trap formation in peripheral blood and airway neutrophils in bronchiectasis and CF**  
Rachael Holly Keir (Dundee, United Kingdom), Christopher Fong, Megan Crichton, Gayle Scott, Gill Brady, Alison Dicker, James Chalmers
- PA4063 Open label case-control study to assess Pidotimod efficacy in Non CF Bronchiectasis Disease: a pilot study**  
Maria D'Amato (Napoli, Na, Italy), Maria D'Amato, Francesca Simioli, Maria Martino, Nunzia Sorrentino, Mariasole Porzio, Anna Agnese Stanziola, Antonio Molino, Mauro Mormile
- PA4064 Aetiology of non-CF bronchiectasis in adults and its association to quality of life**  
Lotte Terpstra (Alkmaar, Netherlands), Sonja Biesenbeek, Wim Boersma
- PA4065 Chronic lobe collapse: another bronchiectasis phenotype or a marker of Pseudomonas colonisation?**  
Oxana Munteanu (Chisihau, Republic of Moldova), Leonid Onea, Aliona David, Irina Volosciuc, Victor Botnaru

- PA4066** **The pulmonary microbiome in non-cystic fibrosis bronchiectasis.**  
Micheál Mac Aogáin (Singapore, Singapore), Micheál Mac Aogáin, Albert Yick Hou Lim, Teck Boon Low, Gan Liang Tan, Anthony Chau Yui, Ravishankar Chandrasekaran, Tuang Yeow Poh, Amanda Hui Qi Ng, Denis Bertrand, Jia Yu Koh, Carrie Kah-Lai Leong, Niranjan Nagarajan, John Abisheganaden, Mariko Koh, Sanjay Haresh Chotirmall
- 
- PA4067** **RISK FACTORS FOR ISOLATION MULTIDRUG-RESISTANT PATHOGENS IN BRONCHIECTASIS EXACERBATIONS**  
Emilia Isabel Amara Elori (VALENCIA, Spain), Raúl Méndez, Tomás Posadas, Beatriz Montull, Soledad Reyes, Emilio Ansotegui, Alexandra Gimeno, Rosalen Amaro, Edmundo Rosales, Eva Polverino, Antoni Torres, Rosario Menéndez
- 
- PA4068** **High frequencies of Aspergillus colonization and associated inflammation in stable bronchiectasis**  
Micheál Mac Aogáin (Singapore, Singapore), Ravishankar Chandrasekaran, AY Lim, TB Low, GL Tan, AC Yui, M Mac Aogáin, TY Poh, BJ Au, D Marlier, T Ventakesh, XN Choo, HZ Chai, LA Jones, S Narayanan, JE Connolly, J Abisheganaden, MS Koh, S Chotirmall
- 
- PA4069** **Bronchospasm secondary to nebulised antibiotics in bronchiectasis**  
Raymond Njafuh (SOUTHSEA, United Kingdom), Jill Patten, Tom Jones, Anna Newman, Ben Green
- 
- PA4070** **Adherence in bronchiectasis (BQ) and concordance between multidimensional scales in a cohort of patients colonized by Pseudomonas aeruginosa (PsA).**  
Elisabeth Garcia Cortacero (Granada, Spain), Belen Maria Navas Bueno, Jose Manuel Vaquero Barrios, Alicia Padilla Galo, Enrique Gonzalez-Moya Mondelo, Manuel Arenas Gordillo, Juan Carlos Bioque Rivera, Rocio Jimeno Galván, Jose Luis Lopez Campos Bodineau, Silvia Navarro Merlos, Agustin Valido Morales, Francisco Casas Maldonado
- 
- PA4071** **Chest physiotherapy in European patients with bronchiectasis: Data from the EMBARC registry**  
Beatriz Herrero Cortina (Zaragoza, Spain), Stefano Aliberti, Francesco Blasi, Stuart Elborn, Michael Loebinger, Rosario Menendez, Antoni Torres, Felix Ringshausen, Tobias Welte, Robert Wilson, James D Chalmers, Eva Polverino, Montserrat Vendrell
- 
- PA4072** **Non-tuberculous mycobacteria – number of drugs and duration of treatment – does it matter?**  
Javed Ibrahim (Walsall, United Kingdom), Wa'el Osman, Ashwin Rajhan, Jayanth Bhat, Sven Lehm, Sushil Agarwal
- 
- PA4073** **The efficacy, safety and feasibility of inhaled amikacin for the treatment of refractory non-tuberculous mycobacterial lung diseases**  
Kazuma Yagi (Tokyo, Japan), Makoto Ishii, Ho Namkoong, Takahiro Asami, Osamu Iketani, Takanori Asakura, Shoji Suzuki, Satoshi Okamori, Hiroaki Sugiura, Yoshitake Yamada, Tomoyasu Nishimura, Hirofumi Kamata, Hiroshi Fujiwara, Yohei Funatsu, Yoshifumi Uwamino, Tomoko Betsuyaku, Naoki Hasegawa
- 
- PA4074** **Five year Cohort Analysis of Non-Tuberculosis Mycobacterium Lung Disease at a Tertiary Referral Centre**  
Heinke Kunst (London, United Kingdom), Rudy Sinha-Ray, R Buchanan, Josie Prynne, Matthew Burman, Devan Vaghela, Simon Tiberi
- 
- PA4075** **Long-term Outcome of Pulmonary Resection for Nontuberculous Mycobacterial Pulmonary Disease**  
Takanori Asakura (Tokyo, Japan), Nobutaka Hayakawa, Naoki Hasegawa, Ho Namkoong, Ken Takeuchi, Shoji Suzuki, Makoto Ishii, Tomoko Betsuyaku, Yoshiaki Abe, Motofumi Ouchi
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- PA4076** **Aspergillus precipitating antibody in patients with Mycobacterium avium complex lung disease; cross-sectional study**  
Shoji Suzuki (Tokyo, Japan), Takanori Asakura, Ho Namkoong, Satoshi Okamori, Kazuma Yagi, Hirofumi Kamata, Yohei Funatsu, Yasushi Nakano, Tomoyasu Nishimura, Makoto Ishii, Tamotsu Ebihara, Tomoko Betsuyaku, Naoki Hasegawa
- 
- PA4077** **Non Tuberculous Mycobacteria in Calabria region: a retrospective cross-sectional study.**  
Fabio Bulla (Catanzaro, Italy), Anna Guglielmelli, Salvatore Lombardo, Salvatore Nisticò, Nicoletta Careri, Lorenzo Antonio Surace

TP-28 (Hall 4)

Session 457

12:50 - 14:40

**Thematic Poster: Respiratory infections in critically ill and immuno-depressed patients**

**Chairs :** Miquel Ferrer Monreal (Barcelona, Spain), Antoni Torres (Barcelona, Spain), Ignacio Martin-Loeches (Dublin 8, Ireland), Marcos I. Restrepo (San Antonio, United States of America)

- PA4078** **Risk factors and outcomes of pneumonia caused by multidrug-resistant Pseudomonas aeruginosa: a clinical case-control study**  
Dingyun Feng (Guang zhou, China), Xiaoling Zou, Hailing Yang, Wenjuan Li, Yuqi Zhou, Tiantuo Zhang
- 
- PA4079** **Pneumonia caused by extensive drug-resistant Acinetobacter baumannii among hospitalized patients: genetic relationships, risk factors and mortality**  
Zi Wen Zhao (Beijing, China), Yujun Li, Chu zhi Pan, Zhu xiang Zhao, Peng hao Guo

- PA4080 Risk factors for drug-resistant pathogens in patients with hospital-acquired and ventilator-associated pneumonia**  
Masahiro Sano (Nagoya, Japan), Yuichiro Shindo, Junya Okumura, Toshihiro Sakakibara, Toshiaki Matsuda, Tetsuya Yagi, Yoshinori Hasegawa
- PA4081 Detection of alpha-hemolysin in Staphylococcus aureus derived respiratory strains: correlation with microbiological and clinical variables**  
Alicia Lacoma De La Torre (Badalona (Barcelona), Spain), Maisem Laabei, Oriol Plans, Sergi Martinez Vega, Meissiner Gomes-Fernandes, Fernando Arméstar, Consuelo Villanueva, Pilar Ricart, Cristina Prat
- PA4082 Predictors of mortality in VAP following cardiac surgery – adult and pediatric**  
Kalyanaraman Supraja (CHENNAI (TAMIL NADU), India), Rohit Anusha, Parthasarathy Rajeevalochana, Soundar Sharmila, Shree Shenbagavalli, Murugan Santhalakshmi
- PA4083 The impact of septic shock on intensive care unit-acquired pneumonia survival is not homogenous**  
Otavio Tavares Ranzani (Sao Paulo/Sp, Brazil), Gianluigi Li Bassi, Marco Carbonara, Adrian Ceccato, Mariano Rinaudo, Eva Muñoz, Albert Gabarrus, Miquel Ferrer, Antoni Torres
- PA4084 Community-Acquired Pneumococcal Pneumonia in Virologically Suppressed HIV-Infected Adult Patients: A Matched Case-Control Study**  
Catia Cilloniz Campos (Barcelona, Spain), Antoni Torres, Christian Manzardo, Albert Gabarrus, Juan Ambrosioni, Felipe Garcia, Adrian Ceccato, Josep Mensa, Jorge Puig de la Bella Casa, Asuncion Moreno, Jose Maria Miro
- PA4085 Sepsis related to pneumonia after renal transplantation**  
Ventsislava Pencheva (Sofia, Bulgaria), Daniela Petrova, Diyan Genov, Ognian Georgiev
- PA4086 Clinical Utility of Different Methods In Diagnosis Of Pulmonary Cryptococcosis In Patients Without HIV Infection**  
Yuping Li (wenzhou, China), Shanshan Su, Li Yang, Junru Ye, Chengshui Chen
- PA4087 Cell-mediated immunity in patients with Pneumocystis jirovecii pneumonia**  
Gretchen Parrott (Okinawa City, Japan), Daijiro Nabeya, Yukie Higa, Yoriko Yamazato, Takeshi Kinjo, Shusaku Haranaga, Jiro Fujita, Masao Tateyama
- PA4088 Prevalence and risk factors for pulmonary aspergillosis infection in thoracic oncology: a 5 years retrospective study**  
Jade Cuilleron (LYON, France), Lize Kiakouama, Florence Persat, Maurice Perol, Pascal Roy, Gilles Devouassoux
- PA4089 Clinicopathologic features of pulmonary Cryptococcus**  
Yu-Deok Choi (Gwangju, Republic of Korea), Sang-Yun Song, Hong-Joon Shin
- PA4090 Invasive pulmonary aspergillosis in immunocompetent patients acquired during renovation in a chest institute**  
Kshiti Agarwal (DELHI (NEW DELHI), India), Aradhana Masih, Mujeeb ur Rahman, SN Gaur, Ferry Hagen, Jacques F. Meis, Anuradha Chowdhary
- PA4091 Pneumocystis jirovecii pneumonia, study of 26 cases**  
Sara Calero Pardo (Madrid, Spain), Irene Cano Pumarega, Maria Teresa Río Ramírez, Araceli Abad Fernández, Elena Canal Casado, Pilar Adrés Ruzafa, Jose Luis García Satué, Cristina Matesanz López, Zully Adjani Vasquez Gambasica, Rafael Marulanda Melo, Amador Ramos Martos, Maria ANtonia Juretschke Moragues
- PA4092 Lung Cancer and bronchial infection**  
Pierdonato Bruno (ROMA, RM, Italy), Simone Pascale, Alessandro Onofri, Michela D'Ascanio, Fabrizio Terzo, Alberto Ricci, Salvatore Mariotta
- PA4093 Mortality and prognostic factors of necrotizing community acquired pneumonia (NCAP) in a general hospital**  
Marco Antonio Solis Aramayo (Ciudad Autónoma Buenos Aires, Argentina), Manuel Ibarrola, Hugo Karlen, Jaime Guillen, Eduardo Medinacelli, Lisandro Churin, Silvia Quadrelli
- PA4094 Microorganisms resistant to conventional antimicrobial treatment in acute exacerbation of COPD**  
Cristina Estirado (BARCELONA, Spain), Adrian Ceccato, Mónica Guerrero, Arturo Huerta, Albert Gabbarrus, Joaquim Gea, Nestor Soler, Antoni Torres
- PA4095 Neutrophil CD64 versus Neutrophil/Lymphocyte ratio (NLR) as markers predicting in-hospital outcome in acute exacerbation of COPD**  
Aliae Mohamed-Hussein (Assiut, Egypt), Sanaa Aly, Asmaa Zahran, Samia Sadek
- PA4096 The association between Chlamydia pneumoniae chronic infection and inflammation in COPD patients.**  
Magdalena Paplinska-Goryca (Warszawa, Poland), Renata Rubinsztajn, Patrycja Nejman-Gryz, Tadeusz Przybyowski, Rafa Krenke, Ryszarda Chazan

TP-29 (Hall 4)

Session 458

12:50 - 14:40

Thematic Poster: CAP: severity scores, risk groups and biomarkers

**Chairs :** Adamadia Liapikou (Athens, Greece), Oriol Sibila Vidal (Barcelona, Spain), Rosario Menendez Villanueva (Valencia, Spain), Menno M. van der Eerden (Rotterdam, Netherlands)

- PA4097 ONE YEAR MORTALITY IN PATIENTS WITH PNEUMOCOCCAL BACTERAE MIC COMMUNITY ACQUIRED PNEUMONIA: ROLE OF THREE PNEUMONIA SEVERITY SCORES**  
Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Luis Alberto Ruiz Iturriaga, Ainhoa Gomez Bonilla, Rafael Zalacain Jorge, Lorea Martinez-Indart, Pedro Pablo España Yandiola, Ane Uranga Echeverria, Amaia Artaraz Ereño, Milagros Iriberrri Pascual
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- PA4098 Comparison of pneumonia severity scoring methods in identification of severe community acquired pneumonia**  
Richard Lee (London, United Kingdom), Charlene Yang, Meow-Cheong Yaw, Julie Robinson, Andrew Allchin, Matthew Sandeman
- 
- PA4099 Is the CURB65 score fit for purpose - a retrospective analysis**  
Davinder Dosanjh (London, United Kingdom), Frances Grudzinska, Alice Wood, Sian Hughes, David Thickett
- 
- PA4100 The comparisons of severity scoring systems for community acquired pneumonia patients with chronic obstructive pulmonary disease**  
Jinfu Xu (Shanghai, China), Ruoxuan Dai, Qinghua Kong, Wen Xu, Mao Bei, Xiaoru Wang
- 
- PA4101 DIFFERENCES IN COMMUNITY ACQUIRED PNEUMONIA ACCORDING TO GENDER**  
Beatriz Gonzalez Quero (bilbao, Spain), Leyre Serrano Fernandez, Marta Garcia Moyano, Idoia Salinas Garrido, Ainhoa Gomez Bonilla, Beatriz Gomez Crespo, Amaia Urrutia Gajate, Luis Alberto Ruiz Iturriaga, Rafael Zalacain Jorge
- 
- PA4102 Predictive factors for multidrug-resistant pathogens in hemodialysis patients with pneumonia : a multicenter study**  
Hwayoung Lee (Jeju, Republic of Korea), Jihyun Kim, Jae-Uk Song, Hye kyeong Park, Jonghoo Lee
- 
- PA4103 The glycemic gap and 90-day mortality in community-acquired pneumonia- A prospective cohort study**  
Andreas Vestergaard Jensen (Roskilde, Denmark), Daniel Faurholt-Jepsen , Gertrud Baunbæk Egelund, Stine Bang Andersen, Pelle Trier Petersen, Thomas Benfield, Martin Witzenrath, Gernot Rohde, Pernille Ravn, ' Capnetz Study group
- 
- PA4104 Undiagnosed diabetes mellitus in community-acquired pneumonia - A prospective cohort study**  
Andreas Vestergaard Jensen (Roskilde, Denmark), Daniel Faurholt-Jepsen , Gertrud Baunbæk Egelund, Stine Bang Andersen, Pelle Trier Petersen, Thomas Benfield, Martin Witzenrath, Gernot Rohde, Pernille Ravn, ' Capnetz Study group
- 
- PA4106 Immunostimulating therapy in treatment of Community-acquired pneumonia**  
Feruz Ahmedov (Samarkand, Uzbekistan), Nematilla Aralov, Shukhrat Ziyadullaev, Mirgolib Rakhimov
- 
- PA4107 Evaluation of thiol/disulfide redox status in community-acquired pneumonia**  
Ebru engüleref Parlak (Ankara, Turkey), Murat Alisik, Habibe Hezer, Aysegul Karalezli, H.Canan Hasanoglu, Ozcan Erel
- 
- PA4108 Feasibility of a quantitative polymerase chain reaction assay for diagnosing Streptococcus pneumoniae associated Community Acquired Pneumonia (CAP)**  
Nienke Paternotte (Amsterdam , Netherlands), Michael V. Schaik, Ruud Duijkers, Wouter Rozemeijer, Wim Boersma, Wil Vdr Reijden
- 
- PA4109 Investigation of factors associated with result of pneumococcal urinary antigen in the microbiological investigation of pneumococcal lower respiratory infections**  
Frederic Riviere (Clamart, France), Pierre Louis Conan, France Charton, Hervé Le Floch, Olivier Bylicki, Wanda Gaspard, Jacques Margery, Charles Soler
- 
- PA4110 Cytokine-based prediction of aetiology in community acquired pneumonia**  
Ruud Duijkers (Zaandam, Netherlands), Eduard Burgmeijer, Wim Boersma, Rene Lutter
- 
- PA4111 Cytokine responses, microbial etiology and short-term outcome in community-acquired pneumonia**  
William Ward Siljan (Oslo, Norway), Jan Cato Holter, Ståle Haugset Nymo, Einar Husebye, Thor Ueland, Pål Aukrust, Tom Eirik Mollnes, Lars Heggelund
- 
- PA4112 Proadrenomedullin (proADM) for clinical severity and prognosis in patients with pneumonia**  
Ouzhan Okutan (Istanbul, Turkey), Sedat Demirsoy, Zafer Kartaloglu, Omer Ayten, Dilaver Tas, Kadir Canoglu
- 
- PA4113 Role of thoracic ultrasound in the diagnosis of pneumonia**  
Eman Sobh (Al-Mahalla Al-Kobra, Egypt), Sabah Oraby, Fatma Gamal
- 
- PA4114 Do not resuscitate orders in community-acquired pneumonia: a retrospective cohort study.**  
Gertrud Baunbæk Egelund (FREDERIKSBERG, Denmark), Gertrud Baunbæk Egelund, Andreas Vestergaard Jensen, Stine Bang Andersen, Pelle Trier Petersen, Bjarne Ørskov Lindhardt, Christian von Plessen, Gernot Rohde, Pernille Ravn

**PA4115 Late Breaking Abstract - Characterization of hospitalized patients with Influenza: a retrospective study**  
Maria Antónia Glória Galego (Matosinhos, Portugal), Catarina Oliveira Paulo, Ana Luísa Fernandes, Eduarda Ruiz Pena, Daniela Rodrigues, Sofia Jordão, Joana Amado, Valquíria Alves, Isabel Neves, Jorge Ferreira

**PA4116 Legionella pneumonia admissions in adults from 2000 to 2009 in mainland Portugal: A ten-year retrospective analysis**  
Ana Santos Dornellas Cysneiros (LISBOA, Portugal), Ana Dias, Francisca Teixeira Lopes, Fernanda Paula, Margarida Serrado, Baltazar Nunes, António Diniz, Filipe Froes

TP-30 (Hall 4)

Session 459

12:50 - 14:40

**Thematic Poster: From microbiology to clinical work**

**Chairs :** Charles Feldman (Johannesburg, South Africa), Eric Mortensen (Simsbury, United States of America), Charles Haworth (CAMBRIDGE, United Kingdom), Eva Polverino (Barcelona, Spain)

**PA4117 The structural and functional study of colistin resistance enzyme MCR-1**  
Peijun Li (CHENGDU, China), Jian Jiang, Zongan Liang, Wei Cheng

**PA4118 Effect of corticosteroids on innate and adaptive T cell responses to non-typeable Haemophilus influenzae**  
Joshua Wallington (Southampton, United Kingdom), Anthony Williams, Karl Staples, Tom Wilkinson

**PA4119 Regulatory T cells and inhibitory receptor expression in chronic pulmonary aspergillosis patients**  
Shin Myung Kang (Incheon, Republic of Korea), Min Kyung Jung, Eui-Cheol Shin, Eun Suk Son, Jeong-Woong Park, Eun Young Kim

**PA4120 Inhalable Ciprofloxacin-Nanoplex (CIP-Np) combined with mannitol as a novel bronchiectasis therapeutic**  
Sanjay Chotirmall (Singapore, Singapore), The-Thien Tran, Celine Vidaillac, Valerie Yong Fei Lee, Ravishankar Chandrasekaran, Albert Lim, Teck Low, Gan Tan, John Abisheganaden, Mariko Koh, Jeanette Teo, Kunn Hadinoto

**PA4121 Pulmonary collectins provide a first line of defense against L. Pneumophila through inhibiting their type IV secretion system.**  
Atsushi Saito (Sapporo, Japan), Shigeru Arika, Hiroki Takahashi, Yoshio Kuroki

**PA4122 MAIT cells protect against fatal intracellular pulmonary legionella infection via IFN-**  
Timothy Hinks (Marlborough, United Kingdom), Huimeng Wang, Criselle D'Souza, Lyudmila Kostenko, Xin Yi Lim, Troi Pediongco, Shihan Li, Sidonia Eckle, Bronwyn Meehan, Nancy Wang, Alexandra Corbett, Lars Kjer-Nielsen, Richard Strugnell, James McCluskey, Zhenjun Chen

**PA4123 RSV infection of the airway epithelial cell line BEAS-2B stimulate NK cells.**  
Jennifer Davies (LIVERPOOL, United Kingdom), Rachel Corkhill, Steve Christmas, Paul McNamara, Brian Flanagan

**PA4124 Labyrinthopeptin A1 and A2 efficiently inhibit cell entry of hRSV isolates**  
Sibylle Haid (Hannover, Germany), Sebastian Blockus, Svenja M. Wiechert, Martin Wetzke, Hans Prochnow, Ronald Dijkman, Bettina Wiegmann, Marie-Anne Rameix-Welti, Jean-Francois Eleouet, Paul Duprex, Volker Thiel, Gesine Hansen, Mark Brönstrup, Thomas Pietschmann

**PA4125 Dry powder inhaled ribavirin in healthy volunteers: safety, tolerability, lung and systemic pharmacokinetics**  
Shuying Yang (Uxbridge, United Kingdom), Julia Billiard, Stephen Baker, Vijayalakshmi Chandrasekaran, Frans van den Berg, Etienne Dumont

**PA4126 Transcriptomic analyses reveal anti-viral responses of epithelial cells and multiple immune cell types in HRV infected human lung tissue**  
Helena Obernolte (HANNOVER, Germany), Peter Braunbach, Danny Jonigk, Soren Beinke, Nikolai N Belyaev, Mark Lennon, Gregor Warnecke, Hans-Gerd Fieguth, Edith M Hessel, Armin Braun, Katherina Sewald, Sabine Wronski, , On behalf of the U-BIOPRED Study Group

**PA4127 The response of macrophages to Moraxella catarrhalis infection**  
Jodie Ackland (Southampton, United Kingdom), Joshua Wallington, David Cleary, Myron Christodoulides, Karl Staples

**PA4128 Deposition pattern of aerosolized Legionella using an ex vivo human-porcine respiratory model**  
Sophie Perinel Ragey (Cellieu, France), Valérie Forest, Mathilde Landraud, Jérémie Pourchez, Françoise Girardot, Serge Riffard, Magalie Stauffert, Séverine Allégra

**PA4129 Effect of intrathoracic debridement with a flexible bronchoscope for acute empyema**  
Masataka Matsumoto (Miki, Japan), Kaori Kawase, Kazumi Kaneshiro, Kiyonobu Takatsuki

**PA4130 Time related change of etiology and outcome in two large cohorts of pleural infection.**  
Christian Niels Meyer (Roskilde, Denmark), Karin Armbruster

- PA4131 Polymicrobial empyema has a poor prognosis compared to monomicrobial empyema**  
Akio Yamazaki (Kurashiki, Japan), Akihiro Ito, Tadashi Ishida, Yasuyoshi Washio
- PA4132 Half Dose Urokinase Can Be Effective in Patients with Complicated Parapneumonic Effusion.**  
Soo-Jung Um (Busan, Republic of Korea), Seul Lee, Hyun-Kyung Lee, Ji Yung Yang
- PA4133 Systemic inflammatory response in acute bronchitis, caused by influenza A (H1N1) swl in pregnant women**  
Igor Gorikov (Blagoveshchensk, Amur Oblast, Russian Federation), Victor Kolosov, Leonid Nakhamchen, Vadim Reznik
- PA4134 Profile of the respiratory patients with nosocomial *Clostridium difficile* enterocolitis**  
Irina Ruxandra Strambu (Bucuresti 5, Romania), Livia Luculescu, Alina Croitoru
- PA4135 Radio-clinical profil of pulmonary hydatidosis**  
Arfaoui Hajar (Casablanca, Morocco), Wiam Elkhatabi, Hasna Jabri, Hicham Afif
- PA4136 Severe Asthma on-Chip: a novel platform enables study of viral-induced exacerbations in asthma and drug response In Vitro**  
Remi Villenave (Boston, United States of America), Carol Lucchesi, Hyun-Hee Lee, Justin Nguyen, Antonio Varone, Katia Karalis, Stephen Alves, Michael Salmon, Geraldine Hamilton

**TP-31 (Hall 4) Session 460 12:50 - 14:40**

**Thematic Poster: New insights into paediatric respiratory infections**

**Chairs :** Mark Everard (Perth, WA, Australia), Laura Petrarca (ROMA, RM, Italy), Chair to be confirmed

- PA4137 *Acinetobacter baumannii* and *Stenotrophomonas maltophilia* are associated with lower airway infections in tracheostomised children and young adults.**  
Joerg Grosse-Onnebrink (Münster, Germany), Heymut Omran, Johanna Rudloff, Claudius Werner
- PA4138 The efficacy of antiviral therapy of acute respiratory infections in paediatric practice**  
Andrey Zaplatnikov (Moscow, Russian Federation), Elena Kondiurina, Mark Zak, Irina Tyuleneva, Tatiana Elkina, Elena Burtseva, Svetlana Trushakova, Vera Zelenskaya
- PA4139 A case of ICF 2 syndrome with recurrent respiratory infections and bronchiectasis**  
Sarehsadat Ebrahimi (Tehran, Islamic Republic of Iran), Asghar Aghamohammadi, Nima Parvaneh, Javad Tafaraji, Ahmad Vosoghi Motlagh, Mitra Tafakori Delbari, Azam Mohsenzadeh
- PA4140 *Mycoplasma* and *Chlamydia* infection related cough and bronchial responsiveness in children**  
Sun Hee Choi (Seoul, Republic of Korea), Jee Hong Yoo, Kyung Suk Lee, Yeong Ho Rha

**TP-32 (Hall 4) Session 461 12:50 - 14:40**

**Thematic Poster: Insight into childhood asthma and paediatric pulmonology**

**Chairs :** Claudia E. Kuehni (Bern, Switzerland), Franca Rusconi (Firenze, Italy), Anne Kotaniemi-Syrjänen (Vantaa, Finland), Chair to be confirmed

- PA4142 Late Breaking Abstract - Respiratory impairment in children with sickle cell anemia (SCA): differences between the UK and Nigeria**  
Michele Arigliani (Udine, UD, Italy), Ramatu Zubair, Livingstone Gayus Dogara, Mario C. Canciani, Chiara Zuiani, Luigi Castriotta, Ashel Dache Sunday, Katy Vecchiato, Clara Zaghis, Reward C. Audu, Zakari Sani, Habiba Dadan-Garba, Paola Cogo, Baba Inusa
- PA4143 Neonatal antibiotic treatment increases the risk of asthma at age 12 years**  
Frida Strömberg Celind (Öjersjö, Sweden), Frida Strömberg Celind, Emma Goksör, Bernt Alm, Styliana Vasileiadou, Per Möllborg, Rolf Pettersson, Laslo Erdes, Nils Åberg, Göran Wennergren
- PA4144 Is severe infantile bronchiolitis associated with severe childhood asthma? A whole population linkage study**  
Stephen Turner (Aberdeen, United Kingdom), Lydiya Thomas
- PA4145 Epidemiologic analysis of viruses and atypical bacteria in hospitalized children with acute respiratory tract infections admitted to a children's hospital**  
Hailin Zhang (WENZHOU, China), Xiaofang Chen, Fangfang Lv, Peipei Zhong, Li Liu
- PA4146 Respiratory and allergic symptoms in early life : The ELFE cohort**  
Souheil Hallit (biakout, Lebanon), Jacques De Blic, Christophe Marguet, Emeline Scherer, Gabriel Reboux, Marie Christine Delmas, Benedicte Leynaert, Steffi Rocchi, Laurence Millon, Marie-Noelle Dufourg, Corinne Bois, MA Charles, Chantal Raherison



- PA4147** **Impact of environmental exposure on respiratory tract in school children.**  
Stefano Levra (Corio, Italy), Valeria Bellisario, Roberta Tassinari, Laura Maugeri, Massimiliano Bugiani, Alessandro Gobbi, Pavilio Piccioni, Carlo Gulotta, Roberto Bono
- PA4148** **Homozygosity for the FCER2 gene is associated with an increased use of leukotriene receptor antagonists**  
Patricia Soares (Brighton, United Kingdom), Katy Fidler, Roger Tavendale, Stephen Bremner, Colin N.A. Palmer, Somnath Mukhopadhyay
- PA4149** **The Swiss Paediatric Airway Cohort - embedding research in clinical routine**  
Eva Sophie Lunde Pedersen (Bern, Switzerland), Myrofora Goutaki, Carmen de Jong, Juerg Barben, Carmen Casaulta, Urs Frey, Alexander Moeller, Nicolas Regamey, Florian Singer, Philipp Latzin, Claudia E. Kuehni
- PA4150** **Why despite the lower prevalence, asthma is more severe in the Brazilian semiarid region?**  
Marco Aurelio Valois Correia Junior (Recife/PE, Brazil), Emilia Costa, Silvia Sarainho, Murilo Frazão, José Rizzo, Emanuel Sarinho, Flávio Andrade
- PA4151** **Obesity in pediatric asthma: prevalence and impact on severity**  
Andrey Kamaev (St Petersburg, Russian Federation), Olga Trusova, Irina Makarova, Dmitry Korostotsev
- PA4152** **Peak cough flow in childhood: reference values and correlation with clinical parameters in Greek children**  
Maria Gogou (Katerini, Greece), Andreas Giannopoulos, Maria Eboriadou, Maria Hatzistylianou, Katerina Haidopoulou
- PA4153** **Feasibility of measuring lung function with the forced oscillation technique in an epidemiological study.**  
Stefano Levra (Corio, Italy), Carlo Gulotta, Pavilio Piccioni, Massimiliano Bugiani, Stefano Pizzimenti
- PA4154** **Influence of early growth on childhood lung function assessed by magnetic resolution imaging and spirometry. The Generation R Study.**  
Giuseppe Fabio Parisi (Catania, Italy), Herman T. den Dekker\*, Evelien R. van Meel, Pierluigi Ciet, Mariette P. Kemner-van de Corput, Irwin K. Reiss, Vincent W.V. Jaddoe, Johan C. de Jongste, Harm A.W.M. Tiddens, Liesbeth Duijts
- PA4155** **Monitoring of pulmonary health in Swiss childhood cancer survivors**  
Rahel Kasteler (Bern, Switzerland), Linda Kam, Grit Sommer, Marc Ansari, Johannes Rischewski, Claudia Kuehni, Annette Weiss
- PA4156** **Cystic adenomatoid pulmonary malformation in adults: A retrospective study.**  
Joana Filipa Clemente Duarte (Entroncamento, Portugal), Pedro Gonçalo Ferreira, Tiago M Alfaro, Lina Carvalho, António Jorge Ferreira
- PA4157** **An age stratified longitudinal study of primary spontaneous pneumothorax**  
PEIYEH CHANG (Taipei, Taiwan), Yuan Huei Huang, Kin Sun Wong, Chee Jen Chang, Jin Yao Lai, Jeng Chang Chen
- PA4158** **Epidemiology and outcomes of paediatric primary spontaneous pneumothorax in Singapore**  
Zhi Min Yap (Singapore, Singapore), Mahesh Babu Ramamurthy, Daniel Yam Thiam Goh, Michael Teik Chung Lim
- PA4159** **Utility of open surgical lung biopsy in children**  
Aditi Sinha (Manchester, United Kingdom), Omendra Narayan, Edmund Cheesman

## TP-33 (Hall 4)

## Session 462

12:50 - 14:40

## Thematic Poster: Paediatric bronchology in clinical practice

Chairs : Uros Krivec (Ljubljana, Slovenia), Dirk Schramm (Dusseldorf, Germany), Michele Ghezzi (Verona, VR, Italy)

- PA4160** **Clinical outcome at 1 year of age for congenital diaphragmatic hernia in the era of fetal intervention.**  
Marijke Proesmans (Leuven, Belgium), Eva Van Ginderdeuren, Karel Allegaert, Herbert Decaluwe, Jan Deprest, Anne Debeer
- PA4161** **Health Related Quality of Life in children with Paediatric Central Airway Obstructive Disease (PCAOD) assessed by PACQLQ and TAPQOL questionnaires**  
Antonio Martinez-Gimeno (Toledo, Spain), Carolina Diaz-Garcia, Carmen Luna-Paredes, Juan Luis Anton-Pacheco Sanchez
- PA4162** **Primary ciliary dyskinesia and mild cystic fibrosis: lung structure and function similarities.**  
Virginia Mirra (NAPOLI, NA, Italy), Marco Maglione, Silvia Montella, Francesca Santamaria, Carmine Mollica, Vincenzo Carnovale, Paola Iacotucci, Fabiola De Gregorio, Antonella Tosco, Mariarosaria Cervasio, Valeria Raia
- PA4163** **Postoperative respiratory problems in children with esophageal atresia and tracheoesophageal fistula**  
Gökçen Dilsa Tugcu (ANKARA, Turkey), Tutku Soyer, Sanem Çelik, Mina Hızal, Nagehan Emiralioğlu, Ebru Yalçın, Deniz Ersoz, Nural Kiper, Uğur Özcelik

- PA4164** **A rare cause of stridor in children: Acquired subglottic stenosis**  
Tuba Kockar ( STANBUL, Turkey), Sedat Oktem
- PA4167** **The prevalence of lower airway anomalies in children with Down syndrome.**  
Kim Van Hoorenbeeck (Edegem (Antwerp), Belgium), Stijn Verhulst, Lieve Boel, Marek Wojciechowski, An Boudewyns
- PA4168** **Paediatric rigid bronchoscopy: beyond foreign body removal**  
António Miguel Ferrão Silveira (LISBOA, Portugal), Ana Carolina Castro de Sousa, Carla Simão, José Pedro Boléo-Tomé, Rui Costa, Fernando Rodrigues
- PA4169** **ABCA3 deficiency in a newborn with respiratory failure**  
MARÍA DEL CARMEN LÓPEZ (MÁLAGA, Spain), MARÍA DEL CARMEN LÓPEZ, ESTELA PÉREZ RUIZ, ANTONIO MORENO GALDO, ALBA TORRENT-VERNETTA, MARÍA DEU, JOAN BALCELLS RAMIREZ, MARÍA ADELA RODRÍGUEZ VIVES, PILAR CARO AGUILERA, FRANCISCO JAVIER PÉREZ FRÍAS
- PA4170** **Role of chest ultrasound in diagnosis of acute chest disorders in children.**  
Ahmed Kabil (CAIRO, Egypt), Sherif Kamal, Ehab Sorour, Abd EL Salam Mohammed
- PA4171** **Airway abnormalities in children with congenital heart disease**  
Uros Krivec (Ljubljana, Slovenia), Marina Praprotnik, Malena Aldeco, Dusanka Lepej, Ana Kotnik Pirs, Aleksandra Zver, Jana Lozar Krivec, Tomaz Podnar, Jelena Berger, Matevz Srpic
- PA4172** **Respiratory physiotherapy as an integral part of Pediatric Bronchopneumology' service care: a report of Meyer Children Hospital 2014-2016 casuistry.**  
Beatrice Ferrari (Firenze, Italy), Chiara Castellani, Valentina Conte, Riccardo Guarise, Diletta Innocenti, Matteo Masolini, Sergio Zuffo
- PA4173** **Flexible bronchoscopy assistance for tracheal intubation in children with difficult airway**  
Uros Krivec (Ljubljana, Slovenia), Spela Stupnik, Matevz Srpic
- PA4174** **Hypofertility in adult patients with primary ciliary dyskinesia**  
Bernard Maitre (Créteil Cedex, France), Gert Jan VANAKEN, Laurence BASSINET, Mieke BOON, Rahma MANI, Isabelle HONORE, Jean Francois PAPON, Harry CUPPENS, Martine JASPERS, André COSTE, Estelle ESCUDIER, Serge AMSELEM, Marie LEGENDRE, Sophie CHRISTIN MAITRE
- PA4175** **What may stand behind barking cough: a case report**  
Michele Ghezzi (Verona, VR, Italy), Ahmad Kantar, Lucia Migliazza, Giulia Giannotti, Maurizio Cheli
- PA4176** **Bacterial colonisation in children with non-cystic fibrosis bronchiectasis: a retrospective longitudinal study**  
Ines Azevedo (Porto, Portugal), Rita Pereira, Catarina Ferraz, Manuel Ferreira-Magalhães
- PA4177** **Induced pluripotent stem cell derived macrophages differentiate into AM like cells in the lungs of humanized PAP mice**  
Christine Happle (Hannover, Germany), Nico Lachmann, Mania Ackermann, Martin Wetzke, Anja Mirenska, Adele Mucci, Thorsten Glomb, Dittrich-Breiholz Oliver, Thomas Moritz, Gesine Hansen
- PA4178** **Reliability and validity of TAPQOL questionnaire for the assessment of global health related quality of life (HRQL) in children with Paediatric Central Airway Obstructive Disease (PCAO)**  
Antonio Martinez-Gimeno (Toledo, Spain), Carolina Diaz-Garcia, Carmen Luna-Paredes, Juan Luis Anton-Pacheco-Sanchez

## TP-34 (Hall 4)

## Session 463

12:50 - 14:40

## Thematic Poster: Postnatal lung growth and development

**Chairs :** Silvia Carraro (Padova, PD, Italy), Robbert J. Rottier (Rotterdam, Netherlands), Anne M. van der Does (Leiden, Netherlands), Tiziana Patrizia Cremona (Bern, Switzerland)

- PA4179** **Late Breaking Abstract - Role of interleukin-10 in normal and aberrant late lung development**  
Ettore Lignelli (Bad Nauheim, Germany), Werner Seeger, Rory Morty
- PA4180** **Effects of mild prenatal smoke exposure on T cell development in murine offspring**  
Barbara Hammer (Borstel, Germany), Sebastian Reuter, Sabine Bartel, Susanne Krauss-Etschmann
- PA4183** **Attenuated airway hyperresponsiveness and mucus secretion in HDM exposed Igf1r-deficient mice**  
Jose G. Pichel (Logroño (La Rioja), Spain), Sergio Pineiro-Hermida, Iciar P. Lopez, Elvira Alfaro-Arnedo, Raquel Torrens, Joshua A. Gregory, Mikael Adner, Carlos Ruiz-Martinez
- PA4184** **Exposure to diesel particulate matter enhances the rhinovirus load in primary nasal epithelial cells**  
Loretta Mueller (Basel, Switzerland), Jakob Usemann, Philipp Latzin

- PA4185** **Role of adypokins in pathogenesis of chronic obstructive pulmonary disease depending on nutritional status**  
Ganna Stupnytska (Chernivtsi, Ukraine), Anastasya Stupnytska, Olga Pritulyak, Artem Malykhin
- 
- PA4186** **P16 in bronchopulmonary dysplasia: Early determinant of respiratory disease?**  
Maeva Zysman (Vincennes, France), Laure-Aléa Essari, Marie-Laure Franco-Montoya, Shamila Vibhushan, Philippe Caramelle, Christophe Delacourt, Francois Chabot, Ralph Epaud, Sophie Lanone, Jorge Boczkowski, Laurent Boyer
- 
- PA4187** **Structure and function of the newborn mouse versus human infant lung.**  
David Warburton (Los Angeles, United States of America)
- 
- PA4188** **Postnatal development of pulmonary acini in rats**  
Tiziana Patrizia Cremona (Bern, Switzerland), Sebastien Barrè, Eveline Yao, David Habertür, Marco Stampanoni, Johannes Schittny
- 
- PA4189** **Visualization and quantitative analysis of the alveolar capillary network – Implications for lung developmental biology**  
Christian Mühlfeld (Hannover, Germany), Christian Mühlfeld, Roman Grothausmann, Matthias Ochs
- 
- PA4190** **Lung decellularization by trachea increase resistance in compared to decellularization by pulmonary artery.**  
Renata Palma (SAO PAULO/SP, Brazil), Jessica Julioti Urbano, Leticia Guimaraes, Luaciana Sampaio, Daniel Navajas, Ramon Farre, Luis Vicente Oliveira
- 
- PA4191** **Stereological analysis of single lung lobes in newborn mice exposed to hyperoxia**  
Tuong-Van Hoang (Bad Nauheim, Germany), Claudio Nardiello, David E. Surate Solaligüe, Alberto Rodríguez-Castillo, Werner Seeger, Rory E. Morty
- 
- PA4192** **Late lung development in mice, a careful assessing by cutting-edge stereology**  
David Surate Solaligüe (Bad Nauheim, Germany), Agnieszka Pozarska, Alberto Rodríguez-Castillo, Aglaia Ntokou, Werner Seeger, Rory Morty

TP-35 (Hall 4)

Session 464

12:50 - 14:40

**Thematic Poster: Lung cancer - basic science: the latest results from the bench**

**Chairs :** Georgia Hardavella (London, United Kingdom), Sam Janes (London, United Kingdom), Inmaculada Alfageme Michavila (Sevilla, Spain), Achim Rittmeyer (Immenhausen, Germany)

- PA4193** **LSC - 2017 - IL-17-mediated inflammation promotes cigarette smoke-induced genomic instability**  
Songmin Ying (Hangzhou, China)
- 
- PA4194** **Late Breaking Abstract - Membrane bile acid receptor contributes to the proliferation of lung cancer cells induced by lung fibroblast-tumor cells interaction though TLR4/NF- $\kappa$ B signaling pathway**  
Xueqing Liu (Shanghai, China), Handong Jiang
- 
- PA4195** **Late Breaking Abstract - Roles of setd8 in maintaining genomic integrity and tumourgenesis**  
Miao Li (, China), Hongwei Liao, Chen Zhu, Yinfang Wu, Yanping Wu, Zhihua Chen, Songmin Ying, Huahao Shen, Wen Li, Xinwei Geng
- 
- PA4196** **Late Breaking Abstract - Decreased thrombospondin-1 and bone morphogenetic protein-4 serum levels in non-small -cell lung cancer and the relationship of these proteins with the stage of the disease.**  
Monika Kosacka (Wroc aw, Poland), Monika Chaszczewska, Elzbieta Wisniewska, Katarzyna Bogunia-Kubik, Anna Brzecka
- 
- PA4197** **Late Breaking Abstract - Use of inhaled corticosteroids and the risk of lung cancer, the HUNT study**  
Peter Hatlen (Trondheim, Norway), Kirsti Sørli, Stine Marie Thorvaldsen
- 
- PA4198** **Systematic Analysis of Gene Expression Alterations and Clinical Outcomes of Adenylate Cyclase-Associated Protein in Cancer**  
Shuanshuan Xie (shanghai, China), CHANGHUI WANG
- 
- PA4199** **Identification of reference genes in lung cancer from RNA-seq data**  
Macarena Arroyo Varela (MALAGA, Spain), Rocio Bautista Moreno, Rosario Carmona Muñoz, Rafael Larrosa Jiménez, José Luis De la Cruz Ríos, Manuel Cobo, MG Claros
- 
- PA4200** **IL-17C promotes growth and proliferation of K-ras induced cancerous lesions**  
Christoph Beisswenger (Homburg/Saar, Germany), Felix Ritzmann, Robert Bals, Christopher Jungnickel, Giovanna Vella
- 
- PA4202** **Bile acid receptor accelerates to the lung cancer process induced by lung fibroblast-tumor cells interaction, with high activation of phosphorylated STAT3 and alteration of cytokine secretion**  
Xueqing Liu (Shanghai, China), Wenjie You, Shan Xue, Handong Jiang

- PA4203** **Regulatory mechanisms of ER- of OPN-Integrin interaction in the migration of human lung cancer cells**  
Nian Dong (, China), Chengshui Chen
- PA4204** **GSK-3 inhibition suppresses lung cancer cell survival, metastasis and proliferation through down-regulation the phosphorylation sites of CAPI**  
Shuanshuan Xie (shanghai, China), changhui Wang
- PA4205** **The role of STAT3 in T-cell responses during the development of NSCLC**  
Lisanne Heim (Erlangen, Germany), Bettina Kroß, Corinna Holzinger, Susanne Mittler, Susetta Finotto
- PA4207** **The Role of Interleukin (IL) - 10 in a murine model of lung adenocarcinoma (ADC)**  
Juliane Friedrich (Erlangen, Germany), Bettina Kroß, Sonja Trump, Corinna Holzinger, Susetta Finotto
- PA4208** **OPCs abate the prometastatic potential elicited by irradiation in lung cancer**  
Xiaoning Zeng (Nanjing, Jiangsu, China), Wangshu Dai, Guangzong Chen, Xinchun Sun
- PA4209** **Cytokine profile in lung cancer microenvironment- analysis of bronchoalveolar lavage fluid by Luminex assay**  
Joanna Domaga a-Kulawik (Warszawa, Poland), Iwona Kwiecien, Marek Radkowski, Malgorzata Polubiec-Kownacka, Dariusz Dziedzic, Tomasz Kryczka
- PA4210** **Programmed death-1 T cells in lung cancer- a comparison of BALF cells from affected lung to healthy lung and peripheral blood**  
Iwona Kwiecie (Warszawa, Poland), Tomasz Skirecki , Ma gorzata Polubiec-Kownacka, Dariusz Dziedzic, Joanna Domaga a-Kulawik
- PA4211** **Cytokine network in relation to regulatory cells in lung cancer microenvironment**  
Joanna Domaga a-Kulawik (Warszawa, Poland), Marek Radkowski, Anna Stelmaszczyk-Emmel, Ma Gorzata Polubiec-Kownacka, Dariusz Dziedzic, Tomasz Kryczka, Iwona Kwiecien
- PA4212** **Cytotoxic phenotype of lymphocytes in bronchoalveolar lavage (BAL) of patients with non-small cell lung cancer (NSCLC)**  
Piotr Kopinski (Bydgoszcz, Poland), Jakub Swad ba, Marek Libura, Ignacy Nowogrodzki, Joanna Wo niak, Tomasz Wandtke, Artur Szlubowski

## TP-36 (Hall 4)

## Session 465

12:50 - 14:40

## Thematic Poster: Lung cancer - clinical research: scientific pearls from the bedside

Chairs : Klimentini Bostantzoglou (Athens, Greece), Torsten Gerriet Blum (Berlin, Germany), Giulia Maria Stella (Pavia, Italy)

- PA4213** **The prognosis of the neutrophil to lymphocyte ratio and platelet to lymphocyte ratio in lung cancer and the association with treatment: a retrospective study>**  
jin jing (Chengdu, China), liu dan
- PA4214** **Association between C-reactive protein and survival in non-small cell lung cancer**  
Daniela Patrícia Cunha Machado (Rio Tinto, Portugal), Daniela Patrícia Cunha Machado, Catarina Marques, Filipa Lima, Sérgio Campainha, Sara Conde, Ana Barroso
- PA4215** **C-reactive protein and assessment of chemotherapy response in advanced non-small cell lung cancer**  
Saooussen Bacha (Ariane/Tunis, Tunisia), Sabrine Mejdoub El Fehri, Sonia Habibech, Sana Cheikhrouhou, Hager Racil, Abdellatif Chabbou, Naouel Chaouch
- PA4216** **Influence of Thyroid Transcription Factor 1 expression in prognosis of lung adenocarcinoma**  
Filipa Ramalho Fernandes (Alcanena, Portugal), Filipa Carriço, Filomena Luís, Rita Gomes, Alcina Tavares, Adelino Amaral, Luís Ferreira
- PA4217** **The diagnostic value of serum tumor markers in newly diagnosed lung cancer patients**  
Elif Tugce Korkmaz (ANKARA, Turkey), Deniz Koksall, Funda Aksu, Z. Gunnur Dikmen, Duygu Icen, Emin Maden, Sevgen Onder, Filiz Akb y k, Salih Emri
- PA4218** **The correlation of serum tumor markers and distant metastasis in lung adenocarcinoma**  
Yuncui Gan (, China), Jing Jin, Ping Zhou, Weimin Li
- PA4219** **Prognostic significance of p53 and Ki-67 expression in Patients with Resected Lung squamous cell carcinoma**  
Cheol-Hong Kim (Gyeonggi-do, Republic of Korea), In-Gyu Hyun, Dong-Gyu Kim
- PA4220** **Fascin-1 overexpression predicts a poor prognosis in non-small cell lung cancer**  
Dan Li (Changchun, China), Weimin Li
- PA4221** **The Expression and Clinical Significance of ER- and OPN in Tissues of Human Lung cancer**  
Nian Dong (, China), Chenshui Chen

- PA4222** **Prevalence of ALK translocations in a large cohort of non-small cell cancer patients and quality of hybridization by sampling method.**  
Luis Miguel Seijo Maceiras (MADRID, Spain), Elena Cabezas, Teresa Perez-Warnisher, Manuel Domine, Mabel Cedeño, Federico Rojo
- PA4223** **Assessing the relevance of biological prognostic indices in predicting survival in non-small cell lung cancer**  
Ghassen Soussi (Boumhal, Tunisia), Hajer Racil, Saoussen Bacha, Sonia Habibeche, Chaouch Nawel
- PA4224** **Pemetrexed continuation maintenance in patients with advanced lung adenocarcinoma**  
Patrícia Alexandra Vieira Dionísio (Oeiras, Portugal), Patrícia Alexandra Vieira Dionísio, Paula Alves, Ana Sofia Vilarça, Direndra Hasmucrai, Encarnação Teixeira, Renato Sotto-Mayor, Cristina Bárbara
- PA4225** **Comparison of NSCLC patient groups with activated EGFR mutations treated with three different tyrosine-kinase inhibitors (TKI): Real-life data from the Czech Republic**  
Jana Skřípáková (Brno 35, Czech Republic), Jana Skřípáková, Renata Chloupková, Karel Hejduk, Miloš Pešek, Vít Zslav Kolek, Leona Koubková, Jaromir Roubec, Markéta Černovská, František Salajka, Jana Krejčí, Libor Havel, Marcela Tomášková, Monika Šatánková, Andrea Benejova, Ivona Grygarkova, Michal Hrnčíř, Milada Zemanová, Dimka Sixtová, Zdeněk Merta
- PA4227** **Effect of physical characteristics on patient response to nivolumab in non-small-cell lung cancer**  
Osamu Kanai (Kyoto, Japan), Yun Hak Kim, Yoshiki Demura, Kohei Fujita, Makiko Kanai, Misato Okamura, Koichi Nakatani, Masaya Akai, Tadashi Mio, Toyohiro Hirai
- PA4228** **Immunotherapy with nivolumab in NSCLC: single center experience after one year clinical practice**  
Dionisios G. Spyrtos (Thessaloniki, Greece), Panagiotis Chinelis, Paul Zarogoulidis, Ellada Eleftheriadou, Katerina Paraskevaidou, Sofia Lampaki, Efimia Boutsikou, Konstantinos Zarogoulidis, Theodoros Kontakiotis
- PA4229** **End of life treatment of metastatic lung cancer patients in the Netherlands**  
Gea Douma (Leeuwarden, Netherlands), Heidi P. Fransen, Ben J.W. Venmans, Mieke J. Aarts
- PA4230** **Clinicopathological prognostic factors in operated for lung cancer and brain metastasis patients**  
Dora Marinova (Sofia, Bulgaria), Sevdalin Nachev, Evgeni Mekov, Miroslav Mihailov, Denitsa Dimitrova, Vania Youroukova, Dimitar Kostadinov, Yanina Slavova
- PA4231** **Management of brain metastases in patients with non-small cell lung cancer**  
Saoussen Bacha (Ariane/Tunis, Tunisia), sabrine el fehri mejdoub, sonia Habibeche, Sana Cheikhrouhou, Hager Racil, Abdellatif Chabbou, Naouel Chaouch
- PA4232** **Brain metastasis as initial presentation of lung cancer - Impact of prognostic factors on patient survival**  
Vanessa Maria Ferreira Dos Santos (Ovar, Portugal), Maria Jacob, Rita Paupério, Rita Boaventura, Gabriela Fernandes, Adriana Magalhães, António Morais, Venceslau Hespagnol, Henrique Queiroga

TP-37 (Hall 4)

Session 466

12:50 - 14:40

### Thematic Poster: Noteworthy lung cancer patient reports: reported outcome measures, smoking cessation, weight and sleep disorders

**Chairs :** Ilona Rousalova (Praha, Czech Republic), Tuncay Göksel (Izmir, Turkey), Ross Morgan (Dublin, Ireland), Paul Martin Putora (St. Gallen, Switzerland)

- PA4233** **Fear of anxiety symptoms in asthma, lung cancer patients and healthy subjects**  
Latinka Basara (Zagreb, Croatia), Tajana Jalušić Glunčić, Tanja Jurin, Marko Jakopović, Sanja Popović Grle, Miroslav Samaržija
- PA4234** **Pilot trial of the ICHOM lung cancer standard set**  
Jan van Meerbeeck (EDEGEM, Belgium), Lesley De Backer, Birgitta Hiddinga, Annelies Janssens
- PA4235** **Better quality-of-life in patients with exon 19 deletion receiving first-line tyrosine kinase inhibitors for advanced non-small-cell lung cancer**  
Szu-Chun Yang (Tainan, Taiwan), Jung-Der Wang
- PA4236** **Effect of quitting smoking at the time of diagnosis of lung cancer on survival**  
Rachel Gemine (Ilanelli, United Kingdom), Keir Lewis
- PA4237** **Who will continue to smoke? A descriptive study from patients with newly diagnosed lung cancer**  
Chia Chen Yang (Taipei, Taiwan), Mei Ling Chen
- PA4238** **Comparison of demographics in quitters compared to continued smokers in patients with lung cancer**  
Rachel Gemine (Ilanelli, United Kingdom), Keir Lewis

- PA4239** **Body mass index in early stage lung cancer – should we be vigilant?**  
Rita Boaventura (PORTO, Portugal), Leonor Meira, Maria Jacob, Vanessa Santos, David Araújo, Ana Verónica Cardoso, Gabriela Fernandes, Adriana Magalhães, António Morais, Henrique Queiroga, Venceslau Hespagnol
- 
- PA4240** **Advanced lung cancer – does BMI matter?**  
Leonor Meira (Leça da Palmeira, Portugal), Rita Boaventura, David Araújo, Verónica Cardoso, Vanessa Santos, António Morais, Gabriela Fernandes, Adriana Magalhães, Henrique Queiroga, Venceslau Hespagnol
- 
- PA4241** **Sleep disordered breathing is very prevalent in patients with lung cancer : Preliminary results of the SAIL study (Sleep Apnea In Lung cancer)**  
Maria Teresa Perez Warnisher (Madrid, Spain), M Fernanda Troncoso, Elena Cabezas, Teresa Gómez, Rosario Melchor, Abdulkader El Hachem, Paula Rodríguez, Javier Pinillos, Carolina Gotera, Nicolás González-Mangado, Luis M Seijo
- 
- PA4242** **Sleep-disordered breathing in patients with newly diagnosed lung cancer**  
Christian Cornelissen (Aachen, Germany), Michael Dreher, Jan Storre, Stefan Krüger, Susanne Schulze Olden, Tobias Mueller
- 
- PA4243** **Non Small Cell Lung Cancer and impact of comorbidities, symptoms, access and time spent in the Emergency Department and hospitalizations: a retrospective single center case note analysis**  
Carlo Barbetta (Ferrara, Italy), Miriam J Johnson, Nicola Tamburini, Mattia Portinari, Marco Contoli, Elena Forini, David C Currow, Matthew Maddocks, Franco Ravenna, Nunzio Calia, Umberto Zuccon, Alberto Papi
- 
- PA4244** **Emergency presentation of lung cancer patients via A&E increases the chances of having advanced disease stage and worse performance status**  
Vytyis Dudzevicius (Middlesbrough, United Kingdom), Anisah Tariq, Julie Owens, Claire Oxley, Ramamurthy Sathyamurthy, Rehan Mustafa, David Spence, Clive Peedell, Eleanor Aynsley, Richard Hartley, Carol Taylor, Angela Wood, Joel Dunning, Ursula Earl, Jonathan Ferguson, Mamatha Devaraj, Tom Ward, Talal Mansy, Louise Li
- 
- PA4245** **Causes of hospitalization in patients with lung cancer**  
Adamadia Liapikou (Athens, Greece), Panagiotis Petras, Meropi Panagiotarakou, Andreas Anastasopoulos, Michael Toumbis
- 
- PA4246** **Implementation of a rapid outpatient diagnostic program for suspected lung cancer in our hospital.**  
Maria Del Carmen Vera Sanchez (Malaga, Spain), Jose Luis Velasco Garrido, Lorena Piñel Jimenez, Mari Carmen Fernandez Aguirre, Alicia Ruiz Martin, Nuria Reina Marfil, Eva Cabrera Cesar, Maria Victoria Hidalgo Sanjuan
- 
- PA4247** **Use of a rapid access email referral system in lung cancer: Diagnosing Cancer Earlier?North Edinburgh Lung cancer service Western General Hospital**  
Karuna Sapru (Edinburgh, United Kingdom), Fredericke Boellert, Philip Reid
- 
- PA4248** **Quality standards assessment in Bronchoscopy Services; friend or foe**  
Priyam Verghese (Harlow, United Kingdom), Asma Khan, Tracey Fleming, Georgia Hardavella
- 
- PA4249** **Medical thoracoscopy: experience from a UK District General Hospital**  
Maryam Ahmed (Wolverhampton, United Kingdom), Philip Brammer, Mazhar Chaudri
- 
- PA4250** **A comparison of patients from a regional multi disciplinary team referred for surgical lung cancer treatment**  
Nneka Nwosu (LIVERPOOL, United Kingdom), Kirsty Maclean, Anna Herbert, Andrew Hudson, Ram Sundar, Neil Bayman
- 
- PA4251** **Methodology of formulation of multidisciplinary guidelines for support care management of lung cancer patients**  
Daniel Veale (Dieulefitt, France), Frederic Herengt, Paul Calmels, Majid Brunet, Fadila Farsi
- 
- PA4252** **Nurse led telephone contact facilitating “virtual” lung cancer clinics reduces outpatient attendances and maintains patient satisfaction**  
Melanie Pritchard (Neston, United Kingdom), Andrew Wight, Kay Hughes

## TP-38 (Hall 4)

## Session 467

12:50 - 14:40

**Thematic Poster: Lung cancer: clinically relevant aspects of epidemiology, co-morbidities, metastasised disease and follow-up****Chairs :** Anna Rich (Nottingham, United Kingdom), Digambar Behera (Chandigarh (U.T.), India), Markus Glatzer (St. Gallen, Switzerland), Dragos Bumbacea (Bucarest, Romania)

- PA4253** **Chemopreventive effect of long-term use of low-dose aspirin on lung cancer risk : A nationwide study considering competing risk**  
Eun Mi Chun (Seoul, Republic of Korea), Shinhee Ye, Eun-Hee Ha

- PA4254 Lung cancer in never smokers. An update of the Lung Cancer Risk Factors in Never Smokers Study (LCRINS)**  
María Luisa Torres Duran (Vigo (Pontevedra), Spain), Alberto Ruano Ravina, Isaura Parente Lamelas, Virginia Leiro Fernandez, Jose Abal Arca, Carmen Montero Martinez, Olalla Castro Anon, Iria Vidal Garcia, Mariano Provencio Puga, Antonio Golpe Gomez, Cristina Martinez, Roxirys Guzman Taveras, Margarita Amenedo Gancedo, Alberto Fernandez Villar, Juan M. Barros Dios
- 
- PA4255 A comparison of patients with newly-diagnosed NSCLC between 3 metropolitan hospitals in Melbourne, Australia between 2012-2014.**  
Sameer Karnam (Melbourne, Australia), Marliese Alexander, Matthew Conron
- 
- PA4256 Trends in lung cancer in Eskisehir province of Turkey from January 1990 to December 2016.**  
Güntülü Ak (Eskişehir, Turkey), Selma Metintas, Senay Yilmaz, Filiz Bogar, Muzaffer Metintas
- 
- PA4257 Characteristics of lung cancer patients in Serbia and subsequent treatment in advanced NSCLC over time – epidemiology study**  
Dragana M. Jovanović (Beograd, Republic of Serbia), Nevena Secen, Zafir Murtezani, Milan Rancic, Marta Velinovic, Vesna Ceriman, Milija Gajic, Spasoje Popevic, Natalija Samardzic, Milica Kontic, Evica Budisin, Zoran Andric, Ivana Vukanic, Nevena Vukobradovic-Djoric
- 
- PA4258 The dynamics of bronchoscopic results in lung cancer on a 10 year period. The experience of the Bronchology Department, Cluj-Napoca, Romania**  
Marioara Simon (Cluj-Napoca/ Cluj, Romania), Antonia Harangus, Andrea Crisan, Ionut Simon
- 
- PA4259 Nsclc and egfr activating mutations (EGFRm+). Experience from a reference center in Greece.**  
Serafeim Chrysikos (ATHENS, Greece), Andriani Charpidou, Eleftherios Zervas, Georgios Krommydas, Eleni Kokkotou, Maria Anyfanti, Georgios Drivas, Maria Kaponi, Rodoula Triggidou, Katerina Dimakou, Konstantinos Syrigos
- 
- PA4260 Molecular and clinical profile of adenocarcinoma lung among Indian women**  
Padmanabhan Arjun (Trivandrum (Kerala), India), Renjitha Subhash, Boben Thomas
- 
- PA4261 Overall survival analysis and characterization of an EGFR mutated non small cell lung cancer (NSCLC) population**  
Filipa Aguiar (Paredes, Portugal), Gabriela Fernandes, Luís Cirnes, José Carlos Machado, Henrique Queiroga, Conceição Souto Moura, Venceslau Hespagnol
- 
- PA4262 Croatian Caucasians with lung adenocarcinoma harbouring EGFR mutations with and without brain metastasis**  
Katherina Sreter (Zagreb, Croatia), Suzana Kukulj, Silvana Smojver-Jezek, Sven Seiwerth, Marko Jakopovic, Miroslav Samarzija
- 
- PA4263 Annual Southeast Asian haze affects lung cancer diagnosis and survival.**  
Tidi Hassan (Dublin 8, Ireland), Ian Chun Soo, Faisal Abdul Hamid, Roslina Abdul Manap, Andrea Ban, Ashivini Renault
- 
- PA4264 Coexistence of chronic obstructive pulmonary disease in patients with advanced non-small cell lung cancer and impact on survival**  
Davorika Mursic (Zagreb, Croatia), Sonja Badovinac, Marta Korsic, Filip Popovic, Mihovil Roglic, Branka Cucevic, Marko Jakopovic, Miroslav Samarzija
- 
- PA4265 Silent venous thromboembolism (VTE) in patients undergoing thoracic surgery in the course of lung cancer.**  
Paweł Kuca (Otwock, Poland), Barbara Kazanecka, Malgorzata Dybowska, Janusz Burakowski, Cezary Czajka, Franciszek Grzegorzcyk, Witold Tomkowski
- 
- PA4266 Clinical and Epidemiological Features of Lung Cancer Complicated with Pulmonary Embolism**  
Yavuz Havlucu (Manisa, Turkey), Pinar Celik, Halise Zengin, Tugba Goktalay, Aysın Sakar Coskun, Arzu Yorgancioglu
- 
- PA4267 Lung cancer and HIV infection in a center**  
Marta Sofia Nobre Pereira (S. Brás de Alportel, Portugal), Djamila Neves, Bruno Santos, Vanda Areias, Ulisses Brito
- 
- PA4268 Metastatic disease in non-small cell lung cancer: is it all the same?**  
Leonor Meira (Leça da Palmeira, Portugal), Rita Boaventura, David Araújo, Vanessa Santos, Verónica Cardoso, António Morais, Gabriela Fernandes, Adriana Magalhães, Henrique Queiroga, Venceslau Hespagnol
- 
- PA4269 SCLC presenting as ovarian metastasis in a young pregnant. A case report.**  
Antonio Cennamo (Pomigliano D'Arco, Italy), Ambra Nicolai, Fabio Perrotta, Giovanni Cioffi, Marina Gilli, Francovito Piantedosi, Andrea Bianco, Gennaro Mазzarella
- 
- PA4270 Clinical Indicators of Survival in Stage IV Lung Cancer: Role of Metastases (M) Descriptor**  
Ping Shi Zhu (Montréal, QC, Canada), Thomas Vandemoortele
- 
- PA4271 Improved overall survival after early recurrence of lung cancer following the introduction of CT-based follow-up for patients initially treated with curative intent by (chemo)radiotherapy (CRT).**  
Niels-Chr. G. Hansen (Odense C, Denmark), Christian B. Laursen, Stefan S. Jeppesen, Erik Jakobsen

- PA4272 Clinical factors of long-term survival in patients with advanced lung cancer**  
Kyoko Murase (Tokyo, Japan), SHUHEI MORIGUCHI, YUI TAKAHASHI, KAZUMASA OGAWA, SAYAKA MOCHIZUKI, SHIGEO HANADA, HIRONORI URUGA, HISASHI TAKAYA, ASTUSHI MIYAMOTO, NASA MOROKAWA, KAZUMA KISHI

**TP-39 (Hall 4) Session 468 12:50 - 14:40**

**Thematic Poster: Lung cancer: important scientific reports from endoscopists and thoracic surgeons**

**Chairs :** David Baldwin (Nottingham, United Kingdom), Joanna Chorostowska-Wynimko (Warszawa, Poland), Nikolaos Kanellakis (Patras, Greece), Anne Olland (Strasbourg, France)

- PA4273 Diagnosis and surveillance of pulmonary nodules; the magic world of 'incidentalomas'**  
Georgia Hardavella (London, United Kingdom), Anum Azhar, Nefeli Paizi, Sujal Desai, Apeera Hussain
- PA4274 Role of Fibre optic Bronchoscopy in excluding malignancy in patients with haemoptysis following normal CT Thorax**  
Muthu Thirumaran (Wakefield, United Kingdom), Felicity Dickens, Husham Elfaki, Martyn Kennedy, Akshay Dwarakanath
- PA4275 Diagnostic efficacy and safety of navigational bronchoscopy (NB) in the investigation of challenging lung lesions.**  
abubakar khan (London, United Kingdom), Georgia Hardavella, Geoffre Warwick, Frank McCaughan, sujai desai, nicola mulholland, nicholas greenwood, donald whitaker
- PA4276 Two rare presentations of rare endobronchial leiomyoma from a single centre.**  
Rajesh Swarnakar (Nagpur (Maharashtra), India), Deepak Muthreja, Anil Sontakke
- PA4277 Three distinct clinical presentations of the diffuse idiopathic pulmonary neuroendocrine cell hyperplasia**  
Armin Frille (Leipzig, Germany), Annett Oltmanns, Hans-Juergen Seyfarth, Tanja Gradistanac, Stefan Hammerschmidt, Frank Langer, Christian Veith, Rainer M. Bohle, Philipp A. Schnabel, Hubert Wirtz
- PA4278 Usefulness of F-18 FDG PET/CT to identify metastatic mediastinal lymph node in NSCLC patients with bilateral benign mediastinal lymph node hyperplasia**  
Yun Seong Kim (Yangsan city, Gyeongsang Nam-do, Republic of Korea), Seong Hoon Yoon, Bong Soo Son, Do Hyung Kim, Keun Young Kim, Seong-Jang Kim
- PA4279 A totally Positron Emission Tomography (PET) negative lung cancer**  
Valter Gallo (Rivoli, TO, Italy), Paolo Righini, Giovanni Maria Ferrari, Massimo Comune, Oliva Alessandro, Roberto Prota
- PA4280 Endobronchial ultrasound-transbronchial needle aspiration and video-assisted mediastinoscopic lymphadenectomy in staging of lung cancer>**  
Elena Prina (Canzo, Italy), Miguel Gallego, Concepción Montón, Manuela Iglesias, Mariona Novell, Roser Saumench, Daniel Monserrate, Maria José Masdeu, Laura Vigil, Neus Combalia, Rosa Escoda, Carmen Blazquez, Ruth Orellana, Laura Millares, Lluís Berná, Eduard Monsó
- PA4281 Photodynamic therapy (PDT) for the prevention of lung cancer (The Pearl Trial).**  
Georgia Hardavella (London, United Kingdom), Ricky Thakrar, Neal Navani, Alan Hackshaw, Yen Ngai, Jennifer Child, Laura Farelly, Richard Booton, Robert Rintoul, Hans Daniels, Jeremy George, Sam M. Janes
- PA4282 Microwave ablation of malignant lung lesions; safety and efficacy – the King's experience**  
Frank McCaughan (CAMBRIDGE, United Kingdom), Sa Tran, Parichat Niyomthong, Georgia Hardavella, Geoffrey Warwick, Donald Whitaker, Sujal Desai
- PA4283 Are older patients at increased risk of adverse events? Safety and outcome of transthoracic needle aspiration biopsy in patients 70-79 vs. 80 years suspected of having lung cancer.**  
Uffe Bodtger (Holmegaard, Denmark), Jatinder Singh Siddhu, Geir Salte
- PA4284 Use of M.E.S.S.I.A. software in mediastinal staging of NSCLC**  
Laura Mancino (Spinea, Italy), Thomas Galasso, Lucio Michieletto, Loris Ceron
- PA4285 Systemic inflammation and prognosis in lung cancer stage I-II**  
Francisco Javier Verdu Rivera (, Spain), Amanda Iglesias, Laura Millares, Cristina Villena, Esther Barreiro, Maria Cerda, Luis Seijo, Maria de los Angeles Gonzalez, Eduard Monso, Jaume Sauleda
- PA4286 Physical activity as a predictor of postoperative complications among patients undergoing lung cancer surgery**  
Natalia Fouz Rosón (Barcelona, Spain), Ana Gomez-Bastero Fernandez, Estefania Luque Crespo, Virginia Almadana Pacheco, Maria, Agustin
- PA4287 Factors associated with delayed recovery to predicted FEV1 calculated with perfusion scan in non-small-cell lung cancer patients after lobectomy**  
Hyung Woo Kim (Seoul, Republic of Korea), Ah Young Shin, Jick Hwan Ha, Joong Hyun Ahn, Ju Sang Kim



- PA4289 Adjuvant chemotherapy uptake and survival of patients with NSCLC after complete resection: Single institution/single area experience.**  
Vít zslav Kolek (Olomouc, Czech Republic), Vít zslav Kolek, Ivona Grygarkova, Juraj Kultán, Petr Jakubec, Marek Szkorupa, Cestmir Neoral, Josef Chudacek, Josef Skarda, Tomas Tichy
- PA4290 Survival and prognostic factors of oligometastatic non-small cell lung carcinoma: A single center experience**  
Pınar Akın Kabalak (Ankara, Turkey), Derya Köz İlgöz, Ülkü Yılmaz, Tuban Cengiz, Evrim Tunç, Erkmen Gülhan
- PA4291 Early recurrence in complete resected non-small cell lung cancer patients**  
Eva Filipa de Sousa Antunes Dias Padrão (Braga, Portugal), Eva Filipa de Sousa Antunes Dias Padrão, Margarida Torres Redondo, Maria Jacob, Adriana Magalhães, António Morais, Henrique Queiroga, Gabriela Fernandes, Susana Guimarães, Conceição Souto Moura, João Maciel, Pedro Bastos, Venceslau Hespagnol
- PA4292 Long-term survival after surgical resection for non-small cell lung cancer**  
Anders Standal Bugge (Oslo, Norway), Johny Steinar Kongerud, Morten Valberg, Steinar Kristian Solberg, Odd Terje Brustugun, May Brit Lund

## TP-40 (Hall 4)

## Session 469

12:50 - 14:40

## Thematic Poster: Pleural and mediastinal malignancies

**Chairs :** Kevin Blyth (Glasgow, United Kingdom), Julius P. Janssen (Nijmegen, Netherlands), Kevin Lamote (Wilrijk, Belgium), Sotirios Zarogiannis (Larisa, Greece)

- PA4293 TGF- $\beta$  participates in epithelial-mesenchymal transition in pleural fibrosis via targeting S100A4**  
Zhongmin Sun (, China), Qian Ning, Feiyan Li, Lei Wang, Hong Li, Yan Yao, Tinghua Hu
- PA4294 Gender differences in asbestos exposure and disease location in 327 patients with mesothelioma**  
Jens Bak (Randers, Denmark), Vasiliki Panou, Ulla Moller Weinreich, Mogens Vyberg, Christos Meristoudis, Oyvind Omland, Oluf Dimitri Roe, Johnni Hansen
- PA4295 The axis of MGB1 and soluble RAGE levels in pleural effusions from various etiologies.**  
Ourania Kotsiou (Larisa, Greece), Rajesh Jagirdar, Chrissi Hatzoglou, Konstantinos Gourgoulianis, Sotirios Zarogiannis
- PA4296 Evaluation of New Biomarkers in Prediction of Malignant Mesothelioma in Subjects with Environmental Asbestos Exposure**  
Melike Demir (DİYARBAKIR, Turkey), Halide Kaya, Mahsuk Taylan, Aysun Ekinci, Sureyya Yilmaz, Fatma Teke, Cengizhan Sezgi, Abdullah Çetin Tanrikulu, Fatih Meteroglu, Abdurrahman Senyigit
- PA4297 Can suspicion for malignancy improve the indication of video-assisted thoracoscopic surgery (VATS) in patients with pleural effusion of unknown cause?**  
Tommaso Francesco Aiello (Barcelona, Spain), Angels Jaen Manzanera, Ramon Rami Porta, Bienvenido Barreiro Lopez, Lydia Canales Aliaga, Queralt Jordano Montañez
- PA4298 Imaging in Pleural Infections: The Radiation Adds Up**  
Candice Wilshire (Seattle, United States of America), Carson Fuller, Christopher Gilbert, Brian Louie, Ralph Aye, Alexander Farivar, Eric Vallieres, Jed Gordon
- PA4299 Equalisation of negative intra-pleural pressure via Tunnelled Pleural Catheters (TPCs): a novel practice.**  
Alexandra Ewence (Salisbury, United Kingdom), Olivia Boshier, Helen Powell, Georgia Tunnicliffe, Lucy Schomberg
- PA4300 The role of Epithelial sodium channel (ENaC) in cell proliferation and tunneling nanotube (TnT) formation in benign mesothelial cells and malignant pleural mesothelioma (MPM) cells.**  
Ourania Kotsiou (Larisa, Greece), Rajesh Jagirdar, Chrissi Hatzoglou, Paschalis Adam Molyvdas, Konstantinos Gourgoulianis, Sotiris Zarogiannis
- PA4301 Tunnelled indwelling pleural catheters and trapped lung in malignant mesothelioma**  
Yasser Madani (London, United Kingdom), Alina Ionescu
- PA4302 Inflammatory appearance of the parietal pleura at thoracoscopy – what does it hide?**  
Yasser Madani (London, United Kingdom), Rhys Davies, Rhia Davey, Alina Ionescu
- PA4303 Alternative way of tunneling a pleural catheter using a single puncture - our experiences, safety and effectivity.**  
David Havel (Plzeň, Czech Republic), Jan Zeman, Gabriela Krakorova, Veronika Bednarova, Milos Pesek
- PA4304 Current etiological profile of clear liquid exudative pleural effusion**  
Hanene Smadhi (ARIANA, Tunisia), Malek Ben Said, Aicha Hchaichi, Ikbel Khalfallah, Hela Kammoun, Hajer BenAbdelghaffar, Dorra Greb, Ines Akrouit, Hela Hassan, Leila Fekih, Mohamed Lamine Megdiche

- PA4305 Thymic neoplasms: clinical presentation, diagnosis and management - A single institution experience**  
Davorka Mursic (Zagreb, Croatia), Sonja Badovinac, Marta Korsic, Filip Popovic, Mihovil Roglic, Branka Cucevic, Marko Jakopovic, Miroslav Samarzija
- PA4306 SOLITARY FIBROUS TUMOR OF THE PLEURA: OUR EXPERIENCE**  
Izaskun Jimenez Setuain (Burlada (Navarra), Spain), Carmen Mosquera Gorostidi, Itziar Campo Esnaola, Jose Antonio Cascante Rodrigo, Pilar Cebollero Rivas, Javier Hueto Pérez de Heredia
- PA4307 Is the size of pleural effusion important in the study of patients whose first tumor manifestation is a pleural effusion?**  
Maria Teresa Perez Warnisher (Madrid, Spain), Bárbara Steen, Beatriz Morales, Rosario Melchor, Mercedes Izquierdo, J Ignacio Granda Orivie, Marisi Verdugo Cartas, Eva de Santiago, Victoria Villena, Nura Abad Santamaría
- PA4308 Pleural fluid 'cell block' analysis in malignant pleural effusion: sensitive, superior over fluid cytology and suitable for immunohistochemistry analysis (IHC), will decrease need for thoracoscopy guided procedures**  
Patil Shital (Latur (Maharashtra), India), Mazhar Mirza, Gajanan Gondhali
- PA4309 Malignant pleural mesothelioma: a 16-year, single centre experience**  
Maria Brandão (Vila Nova de Gaia, Portugal), Maria Esteves Simões Brandão, Mariana Rocha, Luísa Nascimento, Teresa Gomes, Joelma Silva, Bebiana Conde, Ana Fernandes
- PA4310 Refining the breath fingerprint of mesothelioma patients by in vitro identification of cancer cell line-specific volatile metabolites**  
Sabrina Lagniau (Gent, Belgium), Kevin Lamote, Karim Vermaelen, Jan van Meerbeeck, Lore Vandermeersch, Herman Van Langenhove
- PA4311 The survival prediction of malignant pleural effusion and the validation of LENT prognosis score in Thai patients.**  
Pichaya Petborom (Nakhon Nayok, Thailand), Manasawee Vassara, Panunat Muangnoi
- PA4312 Role of rapid on-site evaluation (ROSE)-cytology of pleural crush biopsy samples in diagnostic pleuroscopy (medical thoracoscopy) for assessing requirement of pleurodesis in the same sitting in a TB endemic country**  
Kamal Kumar Gera (FARIDABAD (HARYANA), India), Ajay Lall, Jaya Kumar, Andleeb Abrari, Kanika Singh

**Silver (North)****Session 470****13:00 - 14:30****Lunchtime session: COPD: latest insights into the management of patients****A joint ERS/The Lancet/Lancet Respiratory Medicine lunchtime session**

**Aims :** The aim of the session is to learn about the latest treatments, clinical developments, and cutting edge research in the area of COPD management and treatment.

**Tag(s) :** Clinical

**Target audience :** Clinician, Pulmonologist, Public health official, Scientist

**Chairs :** Marina Saetta (Padova, PD, Italy), Ulrich Costabel (Essen, Germany)

- |              |   |             |
|--------------|---|-------------|
| <b>13:00</b> | <b>Risk biomarkers in COPD: a focus on eosinophils</b><br>Mona Bafadhel (Oxford, United Kingdom)  | <b>4313</b> |
| <b>13:22</b> | <b>What does endotyping mean for treatment?</b><br>Alvar Agusti Garcia-Navarro (Barcelona, Spain)   | <b>4314</b> |
| <b>13:45</b> | <b>Management of troublesome symptoms and palliative care of patients with COPD</b><br>Irene Higginson (London, United Kingdom)                     | <b>4315</b> |
| <b>14:07</b> | <b>Frequency of exacerbations in patients with COPD: an analysis of the SPIROMICS cohort</b><br>MeiLan K. Han (Ann Arbor, United States of America) | <b>4316</b> |

**Bronze (Hall 4)****Session 471****13:00 - 14:30****Lunchtime session: Hypersensitivity pneumonitis: current concepts and perspectives in diagnosis, pathogenesis and management**

**Aims :** 1. Increase awareness of hypersensitivity pneumonitis(HP) in patients with new onset interstitial lung disease(ILD) or in newly detected ILD

2. Prompt early diagnosis and treatment intervention for HP

3. Provoke much needed clinical studies /clinical trials to treat patients with fibrotic stages of HP

4. Provoke major respiratory societies such as the ERS and ATS to sponsor development of the much needed clinical practice guidelines for diagnosis and management of HP

**Tag(s) :** Clinical

**Target audience :** Clinician, Epidemiologist

**Chairs :** Ferran Morell Brotad (Barcelona, Spain), Kevin Brown (Denver, United States of America)

<b>13:00</b>	<b>Introduction</b> Ferran Morell Brotad (Barcelona, Spain)	<b>4317</b>
<b>13:05</b>	<b>Hypersensitivity pneumonitis (HP): diagnostic approach and classification - new perspectives</b> Ganesh Raghu (Seattle, United States of America)	<b>4318</b>
<b>13:30</b>	<b>Pathology of hypersensitivity pneumonitis (HP)</b> Jeffrey L. Myers (Ann Arbor, United States of America)	<b>4319</b>
<b>13:50</b>	<b>Pathogenesis of hypersensitivity pneumonitis (HP) - current concepts</b> Martina Vasakova (Prague, Czech Republic)	<b>4320</b>
<b>14:10</b>	<b>Treatment of hypersensitivity pneumonitis (HP) - targeting pathways of inflammation and fibrosis</b> Toby Maher (St. Albans, Hertfordshire, United Kingdom)	<b>4321</b>

### Brown 3 (South) Session 472 13:00 - 13:40

**Session:** Early career session - Awards & Grants

All information on how to get funding through awards and grants

**Aims :** To provide early career scientists with key information on awards and grants and 2017 Gold Medals awardees testimonials.

**Chairs :** Rory Morty (Bad Nauheim, Germany)

	<b>ERS Gold Medal in COPD</b> MeiLan K. Han (Ann Arbor, United States of America)	<b>4322</b>
	<b>ERS Gold Medal in IPF</b> Vincent Cottin (Lyon, France)	<b>4323</b>

### Space 3 + 4 (South) Session 477 13:15 - 14:30

**Session:** Advances in Inhaler technology - intuitive design and better drug delivery

Jointly organised with Industry

**Chairs :** Mark W. Elliott (Leeds, United Kingdom), Frans H.C. De Jongh (Enschede, Netherlands)

<b>13:15</b>	<b>The device matters more than the drug</b> Omar S. Usmani (London, United Kingdom)	<b>4328</b>
<b>13:25</b>	<b>How patients use inhalers - what are the critical errors?</b> Henry Chrystyn (Bingley, United Kingdom)	<b>4329</b>
<b>13:35</b>	<b>Adherence: yesterday, today and tomorrow</b> David Price (Aberdeen, United Kingdom)	<b>4330</b>
<b>13:45</b>	<b>Patient experience: 10-15 minutes talk + questions</b>	<b>4331</b>
<b>14:05</b>	<b>Panel discussion</b>	<b>4332</b>

**13:15-14:30**

**INDUSTRY PRACTICAL WORKSHOP**

**SEE PAGE 1**

### Brown 3 (South) Session 482 13:45 - 15:25

**Session:** Early Career Members session

*Peeves and pitfalls of your scientific career*

**Aims :** For early career scientists wishing to develop their competencies and playing an active role in the society

**Chairs :** Lieuwe Bos (Amsterdam, Netherlands)

<b>13:45</b>	<b>Getting independent: what challenges should I expect?</b> Bianca Schaub (Germering, Germany)	<b>4346</b>
<b>14:05</b>	<b>Making the most out of your participation in conferences</b> Melanie Koenigshoff (Denver, United States of America)	<b>4347</b>

14:25	<b>Why your "CV of failures" is always longer than your regular one - and why you should keep trying</b> Stephen T. Holgate (Southampton, United Kingdom)	4348
14:55	<b>ERS Early Career Member Committee: how we can support you!</b> Lieuwe Bos (Amsterdam, Netherlands)	4349
15:15	<b>Panel discussion with all speakers</b> Lieuwe Bos (Amsterdam, Netherlands)	4350

## Gold (South) Session 487 14:45 - 16:45

### Year in review: Clinical year in review

#### Hot and new

**Aims :** For the four different topics the top articles from the last year will be presented and commented

**Track(s) :** **Chronic airway diseases** **Interstitial lung disease and vascular disease**

**Tag(s) :** Clinical

**Chairs :** Daniela Gompelmann (Heidelberg, Germany), Pyng Lee (Singapore, Singapore)

14:45	<b>Interstitial lung diseases 2017</b> Venerino Poletti (Forli, Italy)	4367
15:15	<b>Interventional Pneumology 2017</b> Felix J.F. Herth (Heidelberg, Germany)	4368
15:45	<b>COPD 2017</b> Jadwiga Wedzicha (London, United Kingdom)	4369
16:15	<b>Asthma 2017</b> Elisabeth H.D. Bel (Amsterdam, Netherlands)	4370

## Auditorium (South) Session 488 14:45 - 16:45

### Symposium: State of the art session: "Interstitial lung disease and pulmonary vascular diseases"

**Aims :** This session will highlight the different clinical and pathology features related to IPF and NSIP as well as the current management strategies for pulmonary hypertension. The session will also focus on the key aspects of the current epidemiology and diagnostic approach to pulmonary embolism.

**Track(s) :** **Interstitial lung disease and vascular disease**

**Tag(s) :** Clinical

**Target audience :** Clinician, Pathologist, Student, Pulmonologist, Radiologist, Fellow, General practitioner, Resident, Researcher, Trainee

**Chairs :** Katerina Antoniou (Heraklion, Crete, Greece), Michael Kreuter (Heidelberg, Germany)

14:45	<b>IPF: a distinct clinical entity?</b> Bruno Crestani (Paris, France)	4371
15:15	<b>Nonspecific interstitial pneumonitis: time to be more specific</b> Athol Wells (London, United Kingdom)	4372
15:45	<b>Pulmonary hypertension</b> Nazzareno Galiè (Bologna, BO, Italy)	4373
16:15	<b>Pulmonary embolism: still often underdiagnosed</b> Horst Olschewski (Graz, Austria)	4374

## Silver (North) Session 489 14:45 - 16:45

### Symposium: How to manage difficult tuberculosis cases: diagnosis and treatment

#### Discussing global and national experiences

**Aims :** WHO guidelines recommend that difficult-to-treat TB cases should be managed by specialised teams that ideally include a wide range of clinical expertise, including experts on adults, adolescents, and children, and experts with clinical, surgical, pharmacological, and laboratory expertise. The session will discuss the current diagnostic approaches and the preliminary results of new diagnostics. The session will also describe current regimens and new drugs for drug-resistant tuberculosis.

**Track(s) :** Respiratory infections**Tag(s) :** Clinical**Target audience :** Allied health professional, Clinician, Emergency medicine doctor, Fellow, General practitioner, Junior member, Microbiologist, Nurse, Occupational therapist, Paediatrician, Patient, Public health official, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, TB specialist, Thoracic endoscopist, Thoracic surgeon, Trainee, Scientist**Chairs :** Giovanni Sotgiu (Porto Torres, Italy), Giovanni Battista Migliori (Varese, Italy)

14:45	<b>Molecular and conventional diagnosis of complicated drug-resistant cases</b> Stefan Niemann (Borstel, Germany)	4375
15:15	<b>A fully molecular drug sensitivity pattern for M.tuberculosis complex: what is available today and what is in the pipeline</b> David Dolinger (Geneva, Switzerland)	4376
15:45	<b>The shorter TB regimen and the WHO recommendations regarding MDR-TB</b> Dennis Falzon (Geneva, Switzerland)	4377
16:15	<b>The drug armamentarium for MDR-TB cases</b> Luigi Ruffo Codecasa (Milan, Italy)	4378

**Bronze (Hall 4) Session 490 14:45 - 16:45****Symposium: Lung cancer immunotherapy****Aims :** Lung cancer remains a leading cause of cancer deaths. The large group of patients in advanced stages of the disease are deprived of the chance for radical treatment. As a solid tumour with low antigenicity and heterogenic phenotype lung cancer evades host immune defence. The cytotoxic anticancer effect is suppressed by a complex mechanism in tumour microenvironment. These mechanisms of anticancer immune response are an important target to new way of treatment. The aim of session is to present current developments and findings in the mechanisms of cancer escape from immune surveillance and the progress in lung cancer immunotherapy.**Track(s) :** Lung cancer**Tag(s) :** Basic translational science**Target audience :** Clinician, Immunologist, Junior member, Oncologist, Pathologist, Scientist, Thoracic endoscopist, Thoracic surgeon**Chairs :** Anne-Marie Dingemans (Maastricht, Netherlands), Jacques Cadranel (Paris, France)

14:45	<b>Checkpointinhibition in lung cancer – already standard of care in any line of therapy?</b> Achim Rittmeyer (Immenhausen, Germany)	4381
15:15	<b>Immune-related adverse effects of checkpoint blockers</b> Natasha Leighl (Toronto, Canada)	4382
15:45	<b>Immunoscoreing</b> Joanna Domaga a-Kulawik (Warszawa, Poland)	4380
16:15	<b>New pathways, new targets</b> Joachim G.J.V. Aerts (ROTTERDAM, Netherlands)	4379

**Beige (South) Session 491 14:45 - 16:45****Hot topics: Metabolism in respiratory diseases: time for a rethink****Aims :** The interaction between metabolic dysfunction and respiratory diseases is increasingly recognized and may contribute to poor disease and/or treatment outcome, pathophysiological features. For example, obesity and the presence of metabolic syndrome has a dramatic effect on the severity and drug response of asthmatics. Furthermore, metabolic reprogramming has been found to play a key role in structural cell function in lung and airway fibrosis, in pulmonary vessels in pulmonary hypertension and in regulating the innate immune response to infection. The aim of this session is to describe the metabolic repatterning processes observed in various lung diseases and highlight the potential for therapeutic interventions implicit in these changes with the goal of improving clinical management.**Tag(s) :** Clinical, Basic translational science**Target audience :** Respiratory physician, Resident, Oncologist, Sleep specialist/technologist, Clinician, Fellow, Immunologist, Junior member, Pathologist, Patient, Pulmonologist, Researcher, Scientist, Student, Trainee, Pharmaceutical industry representative**Chairs :** Ian M. Adcock (London, United Kingdom), Maria Bonsignore (Palermo, PA, Italy)

14:45	<b>Asthma phenotypes: do metabolic pathways hold the key?</b> Craig Wheelock (Stockholm, Sweden)	4383
15:15	<b>Different effects of continuous and intermittent hypoxia in visceral fat: implications for respiratory failure</b> David Gozal (Chicago, United States of America)	4384

15:45	<b>Metabolic reprogramming and the risk of lung cancer</b> Orna Barash (, Israel)	4385
16:15	<b>Immunometabolism and the land of milk and honey</b> Zbigniew Zaslona (Dublin, Ireland)	4386

## Black (North) Session 492 14:45 - 16:45

### Symposium: Effects of air pollution on asthma and COPD

**Aims :** To provide an update on the effects of air pollution on the development and aggravation of asthma and COPD, and to provide insights into the mechanisms that are involved. At the end of this symposium, the audience should know (1) how air pollutant exposure can impact the management of chronic airway disease in clinical practice; (2) the detrimental effects of air pollution on inflammatory processes in the lungs; and (3) which mediators, inflammatory cells, and processes play important roles in mediating the effects of air pollution in lung disease, and how these are affected by interactions between aeroallergens and air pollutants.

**Track(s) :** Chronic airway diseases

**Tag(s) :** Smoking prevention and cessation (HLfL)

**Target audience :** Fellow, Researcher, Respiratory physician, Scientist

**Chairs :** Tania Maes (Ghent, Belgium), Bo Lundback (Göteborg, Sweden), Philip Hansbro (Callaghan, Australia)

14:45	<b>Patient testimonial</b> Simone Francia (ROMA, RM, Italy)	4387
14:57	<b>Effect of long-term exposure to air pollution on natural cause mortality</b> Bert Brunekreef (Utrecht, Netherlands)	4388
15:24	<b>Effect of air pollution on severe asthma and COPD</b> Kian Fan Chung (London, United Kingdom)	4389
15:51	<b>What controlled human diesel exhaust exposures tell us about air pollution: Why this still matters</b> Christopher Carlsten (Vancouver, BC, Canada)	4390
16:18	<b>Treatment options for air pollutant-driven airway disease</b> Sundeeep Santosh Salvi (Pune (Maharashtra), India)	4391

## Purple (North) Session 493 14:45 - 16:45

### Session: The Lancet commission on asthma

**Aims :** It is over 25 years since the first British asthma guidelines were published, and that asthma was identified as a disease of airway inflammation. However, progress has stalled in the past 10 years, despite increasing investment in treatment. New thinking is needed and the Lancet Commission on the asthmas aims to address three questions. First, where is this disease called “asthma” and why is it such a bad place? Second, where shall we aim to go? And finally, how will we get there, learning from our mistakes. This Commission attempts to liberate this mix of airway diseases from the protective but intellectually destitute umbrella term “asthma” with the aim to progress management to the level that is commonplace in rheumatology.

**Target audience :** Clinician, Patient, Researcher

**Chairs :** Sabine Kleinert (London, United Kingdom), Ian Douglas Pavord (Oxford, United Kingdom)

14:45	<b>Lancet Commission on Asthma 2017: main recommendations</b> Ian Douglas Pavord (Oxford, United Kingdom)	4392
15:15	<b>How do we get there from where we are now? GOLD perspective</b> Alvar Agusti Garcia-Navarro (Barcelona, Spain)	4393
15:35	<b>How do we get there from where we are now? GINA perspective</b> Helen Reddel (Sydney, Australia)	4394
15:55	<b>Towards a cure for asthma</b> Andrew Bush (London, United Kingdom)	4395
16:15	<b>Panel discussion</b>	4396

## Red (North) Session 494 14:45 - 16:45

### Oral Presentation: Cystic fibrosis: monitoring and biomarkers

**Chairs :** Jürg Barben (St. Gallen, Switzerland), Alex Horsley (Manchester, United Kingdom)

- OA4397** **Bronchial immunoglobulins and epithelial pIgR are upregulated in cystic fibrosis**  
Amandine Collin (Woluwe-Saint-Lambert, Belgium), Bruno Detry, Caroline Bouzin, Clémence Martin, Pierre-Régis Burgel, Virginia De Rose, Charles Pilette, Sophie Gohy
- OA4398** **Quantitative multivolume magnetic resonance imaging (1H-MRI) in patients with cystic fibrosis (CF) lung disease: comparison with FEV1 and lung clearance index (LCI)**  
Francesca Pennati (Milano, MI, Italy), Caterina Salito, Irene Borzani, Giulia Cervellin, Simone Gambazza, Riccardo Guarise, Maria Chiara Russo, Carla Colombo, Andrea Aliverti
- OA4399** **Longitudinal monitoring of lung microstructure with HP gas diffusion-weighted MRI in mild cystic fibrosis children**  
Ho-Fung Chan (Sheffield, United Kingdom), Guilhem Collier, Laurie Smith, Helen Marshall, Paul Hughes, Juan Parra-Robles, Felix Horn, Graham Norquay, Neil Stewart, Chris Taylor, Ina Aldag, Noreen West, Alex Horsley, Jim Wild
- OA4400** **Inflammatory markers can predict pulmonary exacerbations of cystic fibrosis**  
Daan Caudri (Rotterdam, Netherlands), Alya Ishak, Stephen Stick, Sarath Ranganathan, Jo Harrison, Louise King, Peter Sly, Andre Schultz, Lidija Turkovic
- OA4401** **Presence of mucus plugging is predictive of long term lung function in children with cystic fibrosis**  
Lidija Turkovic (Perth, WA, Australia), Daan Caudri, Tim Rosenow, Graham Hall, Stephen Stick
- OA4402** **The association between leukocyte telomere length, telomere attrition and disease severity in cystic fibrosis patients**  
Elise Lammertyn (LEUVEN, Belgium), Dries Martens, Kristine Colpaert, Pieter Goeminne, Marijke Proesmans, Bart Vanaudenaerde, Tim Nawrot, Lieven Dupont
- OA4403** **Tryptic activity relates to disease severity and patient mortality in adults with cystic fibrosis**  
James Reihill (BELFAST, United Kingdom), Kelly Moffitt, Andrew Jones, Stuart Elborn, Lorraine Martin

## Space 1 + 2 (South)

## Session 495

14:45 - 16:45

## Oral Presentation: Novel studies on bronchodilators and cough

Chairs : Maria Gabriela Belvisi (London, United Kingdom), Mario Cazzola (Roma, Rm, Italy)

- OA4404** **Late Breaking Abstract - Functional respiratory imaging (FRI) and lung function assessment of glycopyrronium/formoterol fumarate dihydrate fixed-dose combination delivered using novel Co-Suspension Delivery Technology (GFF MDI) in COPD**  
Wilfried De Backer (Edegem (Antwerp), Belgium), Jan De Backer, Wim Vos, Ilse Verlinden, Sarvajna Dwivedi, Shahid Siddiqui, Martin Jenkins, Colin Reisner, Ubaldo Martin
- OA4405** **CHF6366: characterisation of the bronchoprotective effect of a novel MABA compound in the experimental bronchospasm model in anaesthetised guinea pigs**  
Daniela Miglietta (PARMA, PR, Italy), Chiara Carnini, Franco Bassani, Marina Tondelli, Annalisa Murgo, Valentina Mileo, Benedetta Riccardi, Riccardo Patacchini, Maurizio Civelli, Gino Villetti
- OA4406** **A randomized placebo controlled trial of AZD8999 (LAS190792) a novel dual acting bronchodilator in asthmatics**  
Carol Astbury (Barcelona, Spain), Helena Pujol, Eric Massana, Meritxell Falques, Marisa González, Tim Mant, Gonzalo de Miquel
- OA4407** **Protein tyrosin kinase and KCa<sup>++</sup> channel: two faces of the same coin in LABA/LAMA synergy**  
Luigino Calzetta (Roma, Rm, Italy), Paola Rogliani, Francesco Cavalli, Ermanno Puxeddu, Francesco Facciolo, Mario Cazzola, Maria Gabriella Matera
- OA4408** **Secondary allosteric M3 receptor binding for tiotropium: implications for bronchoprotection and functional interactions with LABAs**  
Reinoud Gosens (Groningen, Netherlands), Loes Kistemaker, Carolina Elzinga, Christofer Tautermann, Michael Pieper, Daniel Seeliger, Martina Schmidt, Herman Meurs
- OA4409** **The antitussive effects of alpha7 (7) nicotinic receptor agonists**  
Peter Dicipinigaitis (New York, United States of America), Brendan Canning, Robert DeVita, Michael Perelman, Qi Liu, Douglas Hay, Jing Liang
- OA4410** **Activation of transient receptor potential (TRP) channels by hypoosmolar solution: an endogenous mechanism of ATP release and afferent nerve activation**  
Sara Jane Bonvini (London, United Kingdom), Eric Dubuis, John Adcock, Michael Wortley, Mark Birrell, Maria Belvisi
- OA4411** **TRPM3, P2X2 and P2X3 expression patterns in single airway sensory nerves**  
Michael Wortley (London, United Kingdom), Eric Dubuis, Sarah Maher, Sara Bonvini, Mark Birrell, Maria Belvisi

## Space 3 + 4 (South)

## Session 496

14:45 - 16:45

## Oral Presentation: COPD: microbiome composition and the role of antibiotics

**Chairs :** Daiana Stolz (Basel, Switzerland), Marc Miravittles (Barcelona, Spain)

- OA4412** **Induced sputum microbiome in smoker and non-smoker COPD subjects and its association with lung function in Indian subjects**  
Sundeep Santosh Salvi (Pune (Maharashtra), India), Baishakhi Ghosh, Akshay Gaike, Shreyas Kumbhare, Kanchan Pyasi, Jyoti Londhe, Vandana Vincent, Bill Brashier, Dhiraj Dhotre, Yogesh Shauche, Louise Donnelly, Peter Barnes, Amit Agarwal
- OA4414** **Variation of microbiota in COPD patients during exacerbation and posterior stabilization: molecular characterization by metagenomic.**  
JUAN CARLOS LOPEZ CARO (Castro Urdiales, Spain), Miguel Santibañez Margüello, Antonio Galiana Cabrera, Juan Carlos Rodríguez Díaz, Alex Mira, Juan Luis García Rivero, Jesús Sainz Jiménez, Manuel Villanueva Montes
- OA4415** **An imbalanced airway microbiota correlates with greater peak flow decline in virus-induced asthma exacerbations**  
Ernie Wong (London, United Kingdom), Jaideep Dhariwal, Leah Cuthbertson, Phillip James, Michael Cox, Miriam Moffatt, William Cookson, Sebastian Johnston
- OA4416** **Prevalence of Pneumocystis jirovecii colonization in patients with Chronic Obstructive Pulmonary Disease (COPD) in Bogotá, Colombia.**  
Juan Felipe Burbano-Gutierrez (Bogota, Colombia), Catalina Hernandez-Florez, Jose Enrique Cita-Pardo, Javier Ricardo Garzon-Herazo, Claudia Marcela Parra-Giraldo, Manuela Tobon-Trujillo, Oscar Mauricio Munoz-Velandia, Alejandra Canas Arboleda
- OA4417** **Systematic review: Does antibiotic treatment duration affect the outcomes of asthma and COPD exacerbations?**  
Marie Stolbrink (Liverpool, United Kingdom), Jack Amiry, John D Blakey

## Pink (South)

## Session 497

14:45 - 16:45

### Oral Presentation: Factors associated with lung function development

**Tag(s) :** Smoking prevention and cessation (HLfL)

**Chairs :** Per Sigvald Bakke (Bergen, Norway), Deborah Jarvis (London, United Kingdom)

- OA4419** **Combined impact of smoking and early life exposures on adult lung function**  
James Allinson (London, United Kingdom), Rebecca Hardy, Seif Shaheen, Gavin Donaldson, Diana Kuh, Jadwiga Wedzicha
- OA4420** **Hormone replacement therapy may preserve lung function during reproductive aging**  
Kai Triebner (Bergen, Norway), Simone Accordini, Lucia Calciano, Ane Johannessen, Bryndís Benediktsdóttir, Ersilia Bifulco, Pascal Demoly, Shyamali Dharmage, Karl Franklin, Judith Garcia-Aymerich, José Antonio Gullón Blanco, Joachim Heinrich, Mathias Holm, Debbie Jarvis, Rain Jögi, Eva Lindberg, Jesús Martínez Moratalla Rovira, Nerea Muniozguren Agirre, Isabelle Pin, Nicole Probst-Hensch, Chantal Raheison, José Luis Sánchez-Ramos, Vivi Schläinssen, Cecilie Svanes, Steinar Hustad, Bénédicte Leynaert, Francisco Gómez Real
- OA4421** **Tobacco smoke exposure through childhood and lung function in adolescence**  
Jesse Thacher (Stockholm, Sweden), Erica Schultz, Jenny Hallberg, Jenny Hallberg, Ulrika Hellberg, Ulrika Hellberg, Per Thunqvist, Göran Pershagen, Göran Pershagen, Inger Kull, Inger Kull, Erik Melén\*, Erik Melén\*, Anna Bergström\*, Anna Bergström\*, Inger Kull
- OA4422** **Childhood respiratory risk factor profiles and lung function in middle age**  
Dinh Bui (Melbourne, Australia), Caroline Lodge, John Burgess, Jennifer Perret, Adrian Lowe, Gayan Bowatte, Bruce Thompson, Garun Haminton, Peter Frith, Graham Giles, Alan James, Debbie Jarvis, Cecilie Svanes, Judith Garcia-Aymerich, Stephen Morrison, Iain Feather, Katrina Allen, Minh Bui, Mellisa Russell, Michael Abramson, Haydn Walters, Melanie Methason, Shyamali Dharmage
- OA4423** **Body adiposity at 18 and 22 years and lung function at 22 years old.**  
Paula Duarte de Oliveira (PELOTAS/RS, Brazil), Ana Maria Baptista Menezes, Fernando César Wehrmeister, Rogelio Pérez-Padilla, Helen Gonçalves, Maria Cecília F. Assunção
- OA4424** **Associations between physical fitness and lung function in children and young adults**  
Robert Hancox (Dunedin, New Zealand), Finn Rasmussen, Malcolm Sears
- OA4425** **Lung function trajectories over the life span, their associated childhood factors and consequences**  
Dinh Bui (Melbourne, Australia), John Burgess, Caroline Lodge, Adrian Lowe, Jennifer Perret, Gayan Bowatte, Bruce Thompson, Garun Hamilton, Peter Frith, Alan James, David Johns, Paul Thomas, Debbie Jarvis, Cecilie Svanes, Stephen Morrison, Iain Feather, Katrina Allen, Minh Bui, Melissa Russell, Michael Abramson, Haydn Walters, Melanie Matheson, Shyamali Dharmage

## Brown 1 + 2 (South)

## Session 498

14:45 - 16:45

### Oral Presentation: New insights in chronic respiratory failure



**Chairs :** Nicholas Hart (London, United Kingdom), João Carlos Winck (Vila Nova de Gaia, Portugal)

- OA4426** **Prevalence of chronic hypercapnic COPD - preliminary data from the HOmeVent registry**  
Pierre-Charles Neuzeret (Martinsried, Germany), Michael Dreher, Wolfram Windisch, Dagmar Busam, Andrea Graml, Katharina Ortner, Gerhard Hoheisel, Holger Woehrle, Thomas Köhnlein, Andreas Gröschel
- 
- OA4427** **Late Breaking Abstract - Obesity hypoventilation syndrome treated with non-invasive ventilation: can we switch to CPAP?**  
María Paola Arellano-Maric (Santiago, Chile), Christine Hamm, Sarah B. Schwarz, Jens Callegari, Marieke Duiverman, Claudia Schmoor, Marc Spielmanns, Wolfgang Galetke, Wolfram Windisch, Jan H. Storre
- 
- OA4428** **Domiciliary high-flow nasal cannula oxygen therapy for stable hypercapnic chronic obstructive pulmonary disease: a prospective, multicentre, randomised crossover trial**  
Kazuma Nagata (Kobe, Japan), Takashi Kikuchi, Takeo Horie, Akira Shiraki, Takamasa Kitajima, Toru Kadowaki, Fumiaki Tokioka, Naohiko Chohnabayashi, Akira Watanabe, Susumu Sato, Keisuke Tomii
- 
- OA4429** **Development and validation of a simple tool for clinical assessment of patients treated with home NIV: The S3-NIV questionnaire**  
Dan Adler (Genève, Switzerland), Elise Dupuis-Lozeron, Grégoire Gex, Patrick Pasquina, Pierre-Olivier Bridevaux, Jean-Christian Borel, Paola Marina SoccaL, Wolfram Windisch, Jean-Louis Pépin, Jean-Paul Janssens
- 
- OA4430** **Exhaled air leakage during application of high flow nasal cannula on a human patient simulator**  
David Shu Cheong Hui (Shatin, Hong Kong), Benny Chow, Thomas Lo, Tony Gin, Matthew Chan
- 
- OA4431** **Effects of noninvasive ventilation on the expiratory glottis narrowing and on the respiratory muscles in COPD**  
Manuel Baz (Montevideo, Uruguay), Agustin Arruti, Natalia de Gorriarán, Luis Dibarboure, Juan Alonso, Héctor Piriz, José Pedro Arcos, Francisco Javier Hurtado, María Clara Charlin
- 
- OA4432** **Long term effects on non-invasive ventilation in hypercapnic COPD patients**  
Wim Vos (Heist-op-den-Berg, Belgium), Cedric Van Holsbeke, Jan De Backer, Bitia Hajian, Wilfried De Backer
- 
- OA4433** **Talking masks for acute noninvasive ventilation**  
( ), Moussa Riachy, Georges Abi Tayeh, George Dabar, Ihab Ibrahim, Kareen Harmouche, Georges Khayat, Zeina Aoun Bacha, Nagi Gholam

**Yellow (North) Session 499 14:45 - 16:45**

**Oral Presentation: Novel mechanisms and therapeutic targets in lung injury and repair**

**Chairs :** Darcy Wagner (Lund, Sweden), Michael Beers (Wayne, United States of America)

- OA4434** **Late Breaking Abstract - Alveolar macrophages preferentially take up microvesicles in the alveolar space**  
Sanoj Soni (London, United Kingdom), Maryam Khamdan, Kieran O'Dea, Ying Ying Tan, Masao Takata, Michael Robert Wilson
- 
- OA4435** **LSC - 2017 - Wnt Activity Marks Lung Progenitors Capable Of Forming Spheres In Vitro**  
John-Poul Ng-Blichfeldt (Groningen, Netherlands), Chiharu Ota, Jan Stolk, Pieter S. Hiemstra, Reinoud Gosens, Melanie Königshoff
- 
- OA4436** **LSC - 2017 - A critical role for mTOR regulated metabolic reprogramming during TGF- induced fibroblast collagen synthesis**  
ilan azuelos (Montréal, QC, Canada), Brintha Selvarajah, Ilan Azuelos, Ellen Forty, Manuel Platé, Gino Brunori, Lindsay Edwards, Andy Blanchard, Dimitrios Anastasiou, Paul Mercer, Rachel Chambers
- 
- OA4438** **Differential gene expression of repair factors in mesenchymal stromal cells from different sources in emphysema**  
Dennis Kruk (Groningen, Netherlands), Harold de Bruin, Monique Lodewijk, Danique Hof, Willeke Daamen, Toin van Kuppevelt, Mauricio Rojas, Wim Timens, Nick ten Hacken, Irene Heijink
- 
- OA4439** **The mitochondrial pyruvate carrier: a role in senescence and the ageing lung?**  
Jodie Birch (Newcastle-upon-Tyne, United Kingdom), Joao Passos
- 
- OA4440** **Involvement of RIPK3-regulated necroptosis in IPF pathogenesis.**  
Sung Woo Park (Bucheon, Republic of Korea), Ji Min Lee, Masahiro Yoshida, Mi So Kim, June-Hyuk Lee, Ae-Rin Baek, An Soo Jang, Do Jin Kim, Shunsuke Minagawa, Su Sie Chin, Il Yup Chung, Soo Taek Uh, Yong Hoon Kim, Choon Sik Park, Jun Araya, Kazuyoshi Kuwano
- 
- OA4441** **Transcriptional Profiling reveals Reprogramming of Airway Basal Cells in IPF.**  
Antje Prasse (Hannover, Germany), Benedikt Jäger, Alfonso Carleo, Danny Jonigk, David DeLuca

**Amber 1 + 2 (South) Session 500 14:45 - 16:45**

**Poster Discussion: Cigarette smoke and particulate matter: basic science and clinical aspects**

**Chairs :** Saeed Kolahian (Tübingen, Germany), Elisabetta Pace (Palermo, PA, Italy)

- PA4442 Role of CD4+ T cells Differentiation in Pulmonary Inflammation Induced By Cigarette Smoke And PM2.5**  
Tianyu Zhou (Beijing, China), Yunxia Wang, Yan Hu, Guangfa Wang
- 
- PA4443 Th17 and Treg cells in COPD patients Exposed to Inorganic Dust**  
Jin Ee Baek (Incheon, Republic of Korea), Jae Hoon Shin, You Lim Lee, Byung-Soon Choi
- 
- PA4444 Distinct effect of IRAK-M on airway inflammation induced by exposure to LPS or cigarette smoking**  
Jinming Gao (Beijing, China), Haihong Gong, Wei Chen, Weixun Zhou
- 
- PA4445 Comparison of electronic cigarette vs. cigarette smoke extract on macrophage function**  
Kylie Belchamber (London, United Kingdom), Ruth Dacie, Peter Barnes, Louise Donnelly
- 
- PA4446 Impact of PM2.5 on cigarette smoke exposed airway epithelial cells and lung tissues**  
Tianyu Zhou (Beijing, China), Yunxia Wang, Chao Sun, Hu Yan, Guangfa Wang, Hong Zhang
- 
- PA4447 Cigarette smoke alters primary human bronchial epithelial cell (PBEC) differentiation at Air-Liquid Interface (ALI): role of Oct-4, CD146 and CD105.**  
Rosalia Gagliardo (Palermo, PA, Italy), Fabio Bucchieri, Giuy Daniela Albano, Angela Marina Montalbano, Roberto Marchese, Giulia Anzalone, Alberto Fucarino, Chiara Lo Nigro, Giuseppe Paglino, Pascal Chanez, Mirella Profita
- 
- PA4448 Anti-inflammatory and anti-oxidative activity of YPL-001 in human bronchial epithelial cells**  
KYOUNG-HEE LEE (SEOUL, Republic of Korea), An-Hee Jang, Chang-Hoon Lee, Chul-Gyu Yoo
- 
- PA4449 Relationship between Nrf2-Keap1 system and cell death in BEAS-2B exposed to Diesel Exhaust Particles.**  
Daniela Frias (SAO PAULO/SP, Brazil), Raquel Nunes, Monique Matsuda, Kelly Yoshizaki, Regiani Carvalho-Oliveira, Daniela Pereira, Pérola Vasconcellos, Thais Mauad, Mariangela Macchione
- 
- PA4450 Effect of iron deficiency on airway inflammation and pulmonary function in mice exposed to cigarette smoke**  
Kento Sato (Yamagata, Japan), Kohdai Furuyama, Yukihiro Minegishi, Sujeong Yang, Hiroyoshi Machida, Hiroshi Nakano, Maki Kobayashi, Masamichi Sato, Takako Nemoto, Michiko Nishiwaki, Tomomi Kimura, Keiko Yamauchi, Akira Igarashi, Yoshikane Tokairin, Sumito Inoue, Isao Kubota, Yoko Shibata
- 
- PA4451 Involvement ferroptosis in COPD pathogenesis**  
Masahiro Yoshida (Tokyo, Japan), Shunsuke Minagawa, Jun Araya, Hiromichi Hara, Akihiro Ichikawa, Nayuta Saito, Nahoko Sato, Kazuya Tsubouchi, Yusuke Kurita, Takanori Numata, Yumi Kaneko, Katsutoshi Nakayama, Kazuyoshi Kuwano
- 
- PA4452 Differential expression of the S1P transporter, Spinster homologue 2 (Spns2), in airway epithelial cells and macrophages may drive defective macrophage function in COPD**  
Sandra Hodge (Adelaide, SA, Australia), Hai B Tran, Hubertus Jersmann, Tung Thanh Truong, Rhys Hamon, Eugene Roscioli, Miranda Ween, Melissa Pitman, Stuart Pitson, Greg Hodge, Paul N Reynolds
- 
- PA4453 Exposure to cigarette smoke extract and lipopolysaccharide alters metabolic and immune processes and cytoskeleton organization in bronchial epithelial cells**  
Claudia D'Anna (Palermo, PA, Italy), Diego Cigna, Caterina Di Sano, Serena Di Vincenzo, Paola Dino, Maria Ferraro, Luca Bini, Laura Bianchi, Mark Gjomarkaj, Elisabetta Pace
- 
- PA4454 Sonic hedgehog signaling plays an important role in cigarette-induced airway inflammation**  
Yi Guo (Shanghai, China), Huanying Wan
- 
- PA4455 The unfolded protein an integrated stress response in cigarette smoke-induced interference in Wnt/ -catenin signaling**  
Padmini P. S. J. Khedoe (Den Haag, Netherlands), A. van Schadewijk, R. Gosens, J. Stolk, P.S. Hiemstra
- 
- PA4456 Role of budesonide, formoterol fumarate and acridinium bromide in the inflammaging of airway epithelial cells**  
Elisabetta Pace (Palermo, PA, Italy), Serena Di Vincenzo, Maria Ferraro, Paola Dino, Mark Gjomarkaj
- 
- PA4457 Low Level Laser therapy (LLL) modulates pulmonary immune response and expression of P2X7 purinergic receptor in experimental model of Chronic Obstructive Pulmonary Disorder (COPD)**  
Cintia Alves (Itapecerica da Serra, Brazil), Gabriel Assis Cunha Moraes, Auriléia Aparecida Brito, Tawany Gonçalves Santos, Nicole Cristine Rigonato-Oliveira, Luana Beatriz Vitoretti, Stephany Souza Soares, Yves Matos, Maysa Alves Rodrigues Brandão-Rangel, Flávio Aimbire, Rodolfo de Paula Vieira, Ana Paula Ligeiro-Oliveira, Alana dos Santos Dias
- 
- PA4458 The effect of diesel emission exposure on intracellular signaling pathways of primary human bronchial epithelial cells**  
Annalicia Vaughan (Arana Hills, Australia), Svetlana Stevanovic, Mohammad Jafari, Branka Miljevic, Zoran Ristovski, Rayleen Bowman, Kwun Fong, Ian Yang
- 
- PA4459 Poly (IC)-induced exacerbations in a murine smoke model affect DC populations**  
Martin Wolff (Stülfeld, Germany), Sabine Bartel, Susanne Krauss-Etschmann, Heinz Fehrenbach, Sebastian Reuter

Amber 3 + 4 (South)

Session 501

14:45 - 16:45

## Poster Discussion: Rare and common genetic variants of common and rare airway diseases

Chairs : Morten Dahl (Køge, Denmark), Torben Sigsgaard (Århus, Denmark)

- PA4460** **Late Breaking Abstract - SERPINA1 methylation and lung function: Results from SAPALDIA, the Swiss population-based cohort study**  
Anna Beckmeyer-Borowko (Basel, Switzerland), Medea Imboden, Andre F.S. Amaral, Matthias Wielscher, Faisal Rezwan, John W. Holloway, Marjo-Ritta Jarvelin, Deborah Jarvis, Nicole Probst-Hensch
- 
- PA4461** **Alpha-1 antitrypsin deficiency and spontaneous pneumothorax: just a coincidence?**  
Guillermo Menga (Ciudad Autónoma Buenos Aires, Argentina), Magdalena Mercuri Guillemi, Luciana Montoto Piazza, Martín Fernández
- 
- PA4462** **A rare genetic mutation in primary ciliary dyskinesia**  
Svetlana Diakova (Moscow, Russian Federation), Yuriy Mizernitskiy, Nadezda Rozinova, Anna Bogorad, Ekaterina Shabelnikova, Natalia Lev, Margarita Kostuchenko
- 
- PA4463** **Alpha-1 antitrypsin deficiency – a potentially fatal disease**  
Catarina da Costa Dias de Sousa (Lordelo, Portugal), Leonor Meira, Maria Sucena
- 
- PA4464** **Screening for  $\alpha$ 1-antitrypsin deficiency in the pneumologist's office using a dried blood spots kit: promising first results.**  
colette chapuis cellier (Pierre Benite, France), farid Zerimech, celine Narjoz, malika Balduyck
- 
- PA4465** **Exploring the relationship between alpha-1-antitrypsin deficiency and persistent airflow limitation in severe asthma.**  
Guillermo Menga (Ciudad Autónoma Buenos Aires, Argentina), Daniel Colodenco, Magdalena Mercuri Guillemi, Luciana Montoto Piazza, Juan Rodríguez Moncalvo, Martín Fernández
- 
- PA4466** **Molecular diagnosis of Alpha-1 antitrypsin deficiency: a new method based on Luminex Technology**  
Stefania Ottaviani (Pavia, Italy), Valentina Barzon, Marina Gorrini, Amaia Larruskain, Amaya Buxens, Rachid El Hamss, Marco Antiga, Angelo Guido Corsico, Iliaria Ferrarotti
- 
- PA4467** **Preliminary Results of Whole Exome Sequencing in Turkish Primary Ciliary Dyskinesia Patients - Hacettepe University Experience: "Three candidate genes, five novel and two known mutations"**  
H.U. ur Özçelik (ANKARA, Turkey), Nagehan Emiralioğlu, Ekim Taskiran, Can Kocukcu, Gokcen Tugcu, Sanem Esref, Mina Hizal, Ebru Yalcin, Deniz Dogru, Nural Kiper, Mehmet Alikasifoglu
- 
- PA4468** **Rare genetic variants in genes with ciliary function underlie non-smoking related COPD**  
Maaike de Vries (Groningen, Netherlands), Diana van der Plaats, Judith Vonk, Marike Boezen, Cleo van Diemen
- 
- PA4469** **Unraveling effects of lung function GWAS candidates using airway epithelial eQTLs**  
Alen Faiz (Groningen, Netherlands), Marijn Berg, Cornelis J Vermeulen, Nick ten Hacken, Wim Timens, Corry-Anke Brandsma, Gerard H Koppelman, Irene H Heijink, Maarten van den Berge
- 
- PA4470** **A nasal gene expression profile differentiates individuals with and without COPD and overlaps bronchial gene expression**  
Ilse M. Boudewijn (Groningen, Netherlands), Alen Faiz, Katrina Steiling, Erica van der Wiel, Eef Telenga, Susan Hoonhorst, Nick ten Hacken, Corry-Anke Brandsma, Huib Kerstjens, Wim Timens, Irene Heijink, Marnix Jonker, Harold de Bruin, Sebastiaan Vroegop, Henk Pasma, Wim Boersma, Pascal Wielders, Frank van den Elshout, Khaled Mansour, Avrum Spira, Marc Lenburg, Dirkje Postma, Maarten van den Berge
- 
- PA4471** **Lung function and telomere shortening in blood leukocytes in clean-up workers of Chernobyl NPP suffered of COPD**  
Kostiantyn Bazyka (Kyiv, Ukraine)
- 
- PA4472** **Relationship with Loss of SIGLEC14 and the Risk of COPD Exacerbation**  
Mukadder Çal ko lu (Mersin, Turkey), Esin Tastekin, Lülüfer Tamer, Arzu Kanik
- 
- PA4473** **Genetic polymorphisms of the adrenergic  $\alpha$ 2-receptor in COPD: systematic review and meta-analyses of disease risk and treatment response**  
Anne Orholm Nielsen (Køge, Denmark), Camilla Steen Jensen, Mohammed Simo Arredouani, Ronald Dahl, Morten Dahl
- 
- PA4474** **Gene variants and clinical course of pulmonary sarcoidosis in a Slavic population**  
Amit Kishore (Olomouc, Czech Republic), KATE INA SIKOROVÁ, MARTINA DOUBKOVÁ, KRZYSZTOF R BA A, ANNA DUBANIEWICZ, VÍT ZSLAV KOLEK, MARTIN PETREK
- 
- PA4475** **A genome-wide SNP-by-NO2 interaction study on lung function in the LifeLines study.**  
Ana Julia De Faria Coimbra Lichtenfels (Groningen, Netherlands), Diana Van Der Plaats, Kim De Jong, Cleo C. Van Diemen, Ivana Nedeljkovic, Cornelia M. Van Duijn, Najaf Amin, Ronald P. Stolk, Bert Brunekreef, Marike Boezen, Judith M. Vonk

## Amber 5 + 6 (South)

## Session 502

14:45 - 16:45

## Poster Discussion: Smoking cessation treatment and e-cigarettes

Tag(s) : Smoking prevention and cessation (HLfL)

Chairs : Philip Tønnesen (Glostrup, Denmark), Elif Dagli (Istanbul, Turkey)

- PA4476 Use of cytisine for smoking cessation in Italian Centers for Tobacco Treatment**  
Rosastella Principe (ROMA, RM, Italy), Biagio Tinghino, Vincenzo Zagà, Salvatore Cardellicchio, Licia Siracusano, Giovanni Zelano, Maria Sofia Cattaruzza
- PA4478 Influence of psychiatric disorders in patients treated with Varenicline.**  
Natalia Fouz Rosón (Barcelona, Spain), Natalia Fouz Rosón, Carolina Panadero-Paz, Virginia Almadana-Pacheco, Cristina Benito-Bernáldez, Pedro Juan Rodríguez-Martín, Teodoro Montemayor-Rubio
- PA4479 Characteristics of smokers according to their Nicotine Metabolite Ratio, preliminary results from a real-life experience**  
Gianfranco Puppo (Pisa, PI, Italy), Francesco Pistelli, Stefano Fogli, Marco Lazzeretti, Ferruccio Aquilini, Lucia Lupetti, Antonio Palla, Romano Danesi, Laura Carrozzi
- PA4480 Short-term low-dose vs standard-dose Varenicline therapy for smoking cessation: a randomized controlled trial.**  
Natalia Fouz Rosón (Barcelona, Spain), Natalia Fouz Rosón, Carolina Panadero-Paz, Pedro Juan Rodríguez-Martín, Cristina Benito-Bernáldez, Concepción Romero-Muñoz, Teodoro Montemayor Rubio
- PA4481 Pharmacological correction of connective tissue dismetabolism in aorta of rats with experimental tobacco smoking**  
Vera Nevzorova (Vladivostok, Primorsky Krai, Russian Federation), Natalia Zakharchuk, Elena Gonchar, Inessa Dyuzhen
- PA4482 Cytisine is an effective smoking cessation medication: more evidence now than ever before**  
Denis Vinnikov (Bishkek, Kyrgyzstan), Piotr Tutka, Nurlan Brimkulov, Patrycjusz Kolodziejczyk, Ryan Courtney
- PA4483 Medical treatment effectiveness in smoking cessation**  
Ika Peši (Beograd, Republic of Serbia), Ika Pešić, Branislav Gvozdenovic, Branka Bulajic Subotic, Vladimir Zugic, Nada Lazovic
- PA4484 A bibliometric overview of e-cigarette publications from 2007 to 2016.**  
Filippos T. Filippidis (London, United Kingdom), Melek Somai
- PA4485 Highest prevalence of respiratory symptoms among smokers who also use e-cigarettes**  
Linnea Hedman (Luleå, Sweden), Helena Backman, Caroline Stridsman, Linda Ekerljung
- PA4487 Prevalence and knowledge of electronic cigarettes amongst medical students, A cross sectional survey from Karachi, Pakistan**  
Nousheen Iqbal (KARACHI, Pakistan), Zain A Khan, Syed Muhammad Hamza Anwar, Omar Irfan, Babar Irfan, Ammar Hussain, Maria Bibi, Faraz Siddiqui, Javaid A Khan
- PA4488 Cigarette and e-cigarette smoking among medical and non-medical students in Poland**  
Grzegorz Brońek (Katowice, Poland), Mateusz Jankowski, Jan Zejda, Paulina Majek, Jakub Lubanski, Agnieszka Jarosińska
- PA4489 Symptoms reported by electronic-cigarettes users in social media**  
Elif Dagli (Istanbul, Turkey), Osman Elbek, Ummuhan Pece Sonmez, Murat Güner, Efza Evrengil, Fusun Yildiz, Tanzer Gezer
- PA4490 Analysis of an electronic cigarette social media forum**  
Elif Dagli (Istanbul, Turkey), Ummuhan Pece Sonmez, Murat Güner, Efza Evrengil, Fusun Yildiz, Osman Elbek, Tanzer Gezer
- PA4491 The impact of cigarette and e-cigarette smoking on human health.**  
Mateusz Jankowski (Katowice, Poland), Grzegorz Brońek, Jan Zejda, Tomasz Kurowski, Miłosz Knura, Agnieszka Idzik

## Amber 7 + 8 (South)

## Session 503

14:45 - 16:45

## Poster Discussion: Diagnostic tools and comorbidities in paediatric asthma

Chairs : Angela Zacharasiewicz (Vienna, Austria), Annelies M. Zwitterloot (Groningen, Netherlands)

- PA4492 Measuring the bronchial reversibility in asthmatic children - clinical value of different indices**  
Snezhina Lazova (Sofia, Bulgaria), Penka Perenovska, Dimitrinka Miteva, Guergana Petrova, Emilia Naseva
- PA4493 Lung clearance index is increased in high-risk preschool wheezers and is associated with asthma control**  
Padmaja Subbarao (Toronto, ON, Canada), Rachel Foong, Claire Lepine, Bingqing Shen, May Brydges, Stephanie DeLorenzo, Krzysztof Kowalik, Aimee Dubeau, Thomas Eiwegger, Theo Moraes

- PA4494** **The potential role of the Lung Clearance Index 5% in the detection of ventilation inhomogeneity in children**  
Frans De Baets (Ghent, Belgium), Charlotte Tegenbosch, Liese Lanckmans, Sabine Van daele
- PA4495** **Individualised field testing is a useful tool to evaluate difficult asthma.**  
Hazel Evans (Chandlers Ford, United Kingdom), Gary Connett, Victoria Keenan, Sarah Payne
- PA4496** **Volume-dependence of respiratory resistance in exercise-induced bronchoconstriction**  
Iulia Ioan (VANDOEUVRE-LES-NANCY, France), Tania Adam, Claude Bonabel, Cyril Schweitzer, Silvia Demoulin-Alexikova, Francois Marchal
- PA4497** **By how much can exhaled nitric oxide vary without a change in clinical status?**  
Stephen Turner (Aberdeen, United Kingdom), Shona Fielding, Marielle Pijnenburg, Johan De Jongste, Pike Katy, Graham Roberts, Helen Petsky, Anne Chang, Maria Fritsch, Thomas Frischer, Stanley Szeffler, Peter Gergen, Francoise Vermeulen, Robin Vael
- PA4498** **Ciliary motility of nasal epithelium in children with asthma and allergic rhinitis.**  
Irina Ozerskaia (Moscow, Russian Federation), Uljana Maljavina, Natalia Geppe
- PA4499** **High prevalence of abnormal lung function is seen in children managed for asthma in primary care**  
David Lo (Loughborough, United Kingdom), Lesley Danvers, Nichola Harcombe, Damian Roland, Matthew Richardson, Yaling Yang, Caroline Beardsmore, Andrew Wilson, Erol Gaillard
- PA4500** **A randomized crossover study of sputum induction by physiotherapy and hypertonic saline techniques in asthmatic children**  
Isabella Santos De Genaro (SAO PAULO/SP, Brazil), Egberto Luiz Felicio Junior, Julia Cezario, Monise D. Avona, Viviani Barnabé, Francine M. Almeida, Suellen K. M. Bezerra, Miriam C. N. Eller, Joaquim C. Rodrigues, Milton A. Martins, Beatriz M. Saraiva-Romanholo
- PA4501** **Creating asthma friendly environment for children with asthma in Belgrade**  
Snezana Radic (Beograd, Republic of Serbia), Branislava Milenkovic, Biljana Medjo, Olivera Vlahovic, Ana Neskovic, Milka Micic Stanojevic
- PA4502** **Immune profiles in rural children protecting against asthma**  
Gary Wong (Shatin, Hong Kong), CK Wong, Jing Li, TF Leung, YH Xing
- PA4503** **Higher parental education reduced the risk of uncontrolled asthma.**  
Emma Goksor (Molnlycke, Sweden), Emma Goksör, Frida Strömberg Celind, Bernt Alm, Styliana Vasileiadou, Anna Landen, Nils Åberg, Göran Wennergren
- PA4504** **Airway inflammation in severe asthmatics with gastro-oesophageal reflux**  
Nicole Tanner (Hong Kong, Hong Kong), Albert Li, Andrew Bush, Louise Fleming
- PA4505** **Bronchial asthma presentation in obese children**  
Niya Krasteva (Pleven, Bulgaria), Boiko Shentov, Stanimira Elkina, Nikolai Bulgaranov
- PA4506** **Ventilation heterogeneity in children with severe asthma**  
Amy Nuttall (Leicester, United Kingdom), Caroline Beardsmore, Erol Gaillard
- PA4507** **IL-6 levels in exhaled breath condensate (EBC) of children with moderate well-controlled asthma stepping down inhaled corticosteroids**  
Carlos Tomas Velasco Suarez (Ciudad Autonoma de Buenos Aires, Argentina), Malene Vocos, Andrea Dugur, Juan Manuel Figueroa, Marcela Roque, Doris Primrose, Gimena Donth, Carlos Oliva, Anahí Kruger, Gabriela Andrada, Ana Balanzat

## Blue 1 (North)

## Session 504

14:45 - 16:45

## Poster Discussion: Discussion of vaccines, biomarkers and risk factors analysis

Chairs : Stefano Aliberti (Milan, Italy), Antonio Anzueto (San Antonio, United States of America)

- PA4508** **Changes in pathogens and pneumococcal serotypes causing community-acquired pneumonia in The Netherlands**  
Stefan Vestjens (Nieuwegein, Netherlands), Gertjan Wagenvoort, Jan Grutters, Bob Meek, Arnoud Aldenkamp, Bart Vlamincx, Willem Jan Bos, Ger Rijkers, Ewoudt Van De Garde
- PA4509** **Genetic Analyses of Multidrug-Resistant Streptococcus pneumoniae Serogroup 19 CC320/271 Clone in China**  
Jing Zhang (Shanghai, China), Kai Zhou, Yonghong Xiao, Jianying Zhou
- PA4510** **Impact of pneumococcal vaccination in children in the distribution of serotypes in bacteriemic pneumococcal pneumonia in adults**  
AMAIA ARTARAZ (Galdakao (Bizkaia), Spain), ANE URANGA, PEDRO PABLO ESPAÑA, ALBERTO CAPELASTEGUI, RAFAEL ZALACAIN, LUIS ALBERTO RUIZ, LEIRE SERRANO, AMAIA BILBAO

PA4511	<b>Efficiency of specific prevention of pneumococcal infection at patients from risk groups in Krasnoyarsk region</b> Angelina Kraposhina (Krasnoyarsk, Russian Federation), Irina Demko, Egor Korchagin, Natalia Gordeeva, Irina Soloveva, Ivan Artyukhov, Marina Mamaeva, Elena Sobko, Svetlana Chubarova
PA4512	<b>Effectiveness data on prevention of COPD exacerbations with 13-valent pneumococcal conjugate vaccine (PCV13)</b> Jose Maria Gonzalez Ruiz (Salamanca, Spain), Miguel Angel Hernandez, Alexis Morales Boscan, Vanesa Hidalgo Sierra, Marco López Zubizarreta, Rosa Cordovilla Pérez, Soraya Jodra Sánchez, Miguel Barrueco Ferrero, Virginia Guevara Velázquez
PA4513	<b>Pneumococcal vaccination in interstitial lung disease patients receiving systemic immunosuppressive treatment</b> Koji Kuronuma (Sapporo, Japan), Hiroyuki Honda, Tessei Mikami, Yuichiro Asai, Youhei Takahashi, Tomofumi Kobayashi, Atsushi Saito, Kimiyuki Ikeda, Hirotaka Nishikiori, Mamoru Takahashi, Mitsuo Otsuka, Hirofumi Chiba, Gen Yamada, Hiroki Takahashi, Toyotaka Sato
PA4514	<b>Efficacy of vaccination to prevent pneumococcal infection in organized communities</b> Igor Shubin (Moscow, Russian Federation)
PA4515	<b>Effectiveness of the 23-valent pneumococcal polysaccharide vaccine for the patients with lung comorbidities; a single center, retrospective, self-controlled case series study</b> Masahiro Aoshima (Kamogawa, Japan), Kei Nakashima, Satoko Ohfuji
PA4516	<b>A randomized, open-label, parallel design study to compare the immunogenicity of simultaneous administration versus sequential administration of quadrivalent influenza vaccine and 23-valent pneumococcal polysaccharide vaccine in the elderly</b> Kei Nakashima (Kamogawa, Japan), Masahiro Aoshima, Satoko Ohfuji, Satoshi Yamawaki, Masahiro Nemoto, Shinya Hasegawa, Satoshi Noma, Masafumi Misawa, Naoto Hosokawa, Makito Yaegashi, Yoshihito Otsuka
PA4518	<b>Osteopontin role in community-Acquired Pneumonia (CAP).</b> Ragia Samir Sharshar (Tanta, Egypt), ibrahim ibrahim, ahmed mohamed
PA4519	<b>Association between biomarkers at discharge and risk of readmission after community-acquired pneumonia – a retrospective cohort study</b> Pelle Trier Petersen (København, Denmark), Gertrud Baunbæk Egelund, Andreas Vestergaard Jensen, Stine Bang Andersen, Merete Frejstrup Pedersen, Gernot Rohde, Pernille Ravn
PA4520	<b>Interpretation of biomarkers at emergency department depends on onset of symptoms in community-acquired pneumonia</b> Raúl Méndez (VALENCIA, Spain), Raúl Méndez, Rosario Menéndez, Isabel Amara-Elori, Alba Piró, Catia Cilloniz, Adrián Ceccato, Antoni Torres
PA4521	<b>Diagnosis on community-acquired pneumonia (CAP) in patients with congestive heart failure (CHF)</b> Sergey Avdeev (Moscow, Russian Federation), Andrey Bobylev, Svetlana Rachina, Vladimir Mladov
PA4522	<b>Intrahospital cardiovascular complications in severe community-acquired pneumonia</b> Aykut Cilli (Antalya, Turkey), Ozlem Cakin, Emine Aksoy, Feyza Kargin, Nalan Adiguzel, Zuhul Karakurt, Begum Ergan, Seda Mersin, Selen Bozkurt, Fatma Ciftci, Atilla Ramazanoglu
PA4523	<b>NON BACTERIEMIC PNEUMOCOCCAL PNEUMONIA: GENERAL CHARACTERISTICS AND PREDISPOSING FACTORS FOR POOR OUTCOME</b> Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Luis Alberto Ruiz Iturriaga, Ainhoa Gomez Bonilla, Julene Escudero Argaluz, Pedro Pablo España Yandiola, Marta Garcia Moyano, Ane Uranga Echeverria, Amaia Aramburu Ojembarrena, Rafael Zalacain Jorge
PA4524	<b>Inter-hospital variation in resource utilization of diagnostic and follow-up biomarkers in adult community-acquired pneumonia</b> Stefan Vestjens (Nieuwegein, Netherlands), Simone Spoorenberg, Jan Grutters, Rob Janssen, Paul Voorn, Willem Jan Bos, Ewoudt van de Garde
PA4525	<b>Studying the association between mortality in patients requiring hospital admission for Community Acquired Pneumonia and pre-hospital antibiotic treatment in primary care</b> Biswajit Chakrabarti (Liverpool, United Kingdom), Dan Wootton, Joseph Somers, Elizabeth Kanwar, Nancy Prospero, Jaclyn Proctor

Blue 2 (North)

Session 505

14:45 - 16:45

Poster Discussion: Evaluating lung function, dyspnoea and related respiratory diseases

Chairs : J. Alberto Nader (Kingston, ON, Canada), Richard Casaburi (Rancho Palos Verdes, United States of America)

PA4526	<b>Change in phase 3 slope of exhaled CO<sub>2</sub> in response to 2 agonist inhalation is associated with asthma control in children</b> Sam Bayat (Grenoble, France), Ophélie Cracco, Loïc Dégrugilliers, Arnaud Bécourt, Cinthia Rames
PA4527	<b>Comparision of two preoperative risk assessment algorithms in lung cancer surgery.</b> Marta Lenczewska (BARCELONA, Spain), Ana M. Fortuna Gutierrez, Juan Carlos Trujillo Reyes, Elisabeth Martinez Tellez, Nuria Calaf Sordo, Pilar Moros Garces, María Dolores Luque Toro, José Belda Sanchis, Mercedes Mayos Perez
PA4528	<b>Pulmonary poorly communicating fraction: relationships with exercise capacity and gas exchange.</b> Roberto Torchio (Venaria Reale, Italy), Claudio Ciacco, Marco Guglielmo, Davide Dassetto, Chiara Chiappero
PA4529	<b>Multivolume proton-magnetic resonance imaging (1H-MRI) in lung transplant recipients: comparison with low dose computed tomography (CT).</b> Caterina Salito (Milano, MI, Italy), Francesca Pennati, Irene Borzani, Alessandro Palleschi, Davide Tosi, Andrea Aliverti, Letizia Corinna Morlacchi, Domenica Federica Briganti, Paolo Tarsia, Luigi Santambrogio, Ilaria Righi
PA4530	<b>Monitoring exhaled oxygen concentration during mechanical ventilation: a novel approach for bedside estimation of ventilation heterogeneities</b> Roberta Südy (Szeged, Hungary), Adam Balogh, Gergely Fodor, Ferenc Petak, Barna Babik
PA4531	<b>Forced oscillation technique and MRI predictions of airway reactance in moderate-severe asthma</b> Heather Young (Mississauga, ON, Canada), Fumin Guo, Rachel Eddy, Cody Church, Geoff Maksym, Grace Parraga
PA4532	<b>Changes in forced oscillation mechanics and symptoms prior to COPD exacerbations during home telemonitoring</b> Sabine Zimmermann (Sydney, NSW, Australia), Chinh Nguyen, Alessandro Gobbi, Joanna Watts, Claude Farah, Raffaele Dellaca, Matthew Peters, Gregory King, Cindy Thamrin
PA4533	<b>Discordant and concordant FOT-spirometry phenotypes in a COPD population</b> Ronald Dandurand (Beaconsfield, Canada), Myriam Dandurand, Raúl San José Estépar, Jean Bourbeau, David Eidelman
PA4534	<b>Effect of high-flow humidified air on breathing pattern in patients with chronic respiratory failure secondary to obesity hypoventilation syndrome</b> Maxime Patout (Rouen, France), Elodie Lhuillier, Gill Arbane, Niraj Shah, Georgios Kaltsakas, Patrick Brian Murphy, Nicholas Hart, Joerg Steier, Michelle Ford
PA4535	<b>MEDEX 2015: Positive expiratory pressure improves oxygenation and symptoms at high altitude</b> Samuel Vergès (Grenoble, France), Claire Maufrais, Guillaume Walther, Jamie MacDonald, François Estève, Pierre Bouzat, Thomas Rupp
PA4536	<b>Gender differences in dyspnea and its association with lung function in COPD and asthma</b> Grzegorz Bro ek (Katowice, Poland), Jan Zejda, Szymon Skoczy ski, Beata Kotulska, Klaudia Glinka, Sylwia Waz, Adam Barczyk
PA4537	<b>Cardiopulmonary exercise testing in the diagnosis of chronic unexplained dyspnoea</b> Sam Roberts (Leeds, United Kingdom), Wanda Macdonald, Mark Townson, Tim Sutherland
PA4538	<b>The role of cardiopulmonary exercise testing in the investigation of complex unexplained breathlessness</b> Anita Jayadev (London, United Kingdom), Nikesh Devani, Lauren Geddes, Christina Kyriacou, Paramjit Jeetley, Verena Canal, Daniel Martin, Swapna Mandal
PA4539	<b>Mechanisms of exercise limitation in patients with combined fibrosis and pulmonary emphysema</b> Camila Melo De Oliveira Costa (SAO PAULO/SP, Brazil), Roberta Pulcheri Ramos, Carlos Alberto de Castro Pereira, Eloara VM Ferreira, Carolina MS Messina, Angelo Xerez Cepeda Fonseca, Marcelle Paula Ribeiro, Jaqueline Sonoe Ota Arakaki
PA4540	<b>Lung hyperinflation is a determinant of the heart rate recovery delay in COPD patients</b> Ernesto Crisafulli (Pavullo (MO), Italy), Matteo Vigna , Panagiota Tzani , Marina Aiello , Antonella Ielpo , Elisabetta Teopompi , Giuseppina Bertorelli , Alfredo Chetta
PA4541	<b>Fluorodeoxyglucose uptake in brown adipose tissue measured by positron-emission-tomography in chronic lung disease</b> Armin Frille (Leipzig, Germany), Karen Geva Steinhoff, Swen Hesse, Osama Sabri, Hubert Wirtz, Hans-Juergen Seyfarth
PA4542	<b>Hemostatic potential evaluation of patient with COPD by low-frequency piezoelectric thromboelastography.</b> Elena Bragina (Tomsk, Russian Federation), Anna Bulanova, Ekaterina Bukreeva, Michael Shpisman, Ivan Tyutrin
PA4543	<b>Association between estimated Glomerular Filtration Rate (eGFR) and cardiovascular risk in patients with Chronic Obstructive Pulmonary Disease (COPD)</b> Ligia Puiu (Baia Mare/Maramures, Romania), Roxana Nemes, Ancuta Petrovan, Florin D. Mihaltan, Oana Deleanu, Ruxandra Ulmeanu

**Brown 3 (South) Session 506 15:30 - 17:00**

**Session:** Early career session: ERS activities and opportunities for young scientists  
Get an insight on fellowships, abstracts, CRCs etc.

**Aims :** To inform early career scientists about ERS fellowships and young scientists activities

**Chairs :** Rory Morty (Bad Nauheim, Germany), Guy Brusselle (Ghent, Belgium)

<b>15:30</b>	<b>Presentation of ERS activities for young scientists</b> Guy Brusselle (Ghent, Belgium)	<b>4544</b>
<b>15:40</b>	<b>ERS advocacy activities and how they link with young scientists</b> Constantine Vardavas (Athens, Greece)	<b>4545</b>
<b>15:50</b>	<b>How to advance your career with ERS</b> Gernot G.U. Rohde (Frankfurt am Main, Germany)	<b>4546</b>
<b>16:00</b>	<b>Panel discussion on ERS fellowships</b> Thierry Troosters (Leuven, Belgium), Tobias Welte (Hannover, Germany), Antoni Torres (Barcelona, Spain), Nikolaos Kanellakis (Patras, Greece), Annabelle Bédard (LONDON, United Kingdom), Alen Faiz (Groningen, Netherlands)	<b>4547</b>
<b>16:20</b>	<b>ERS fellowship in industry - Novartis</b> Stefan-Marian Frent (Arad, Romania), Paraskevi Katsaounou (Athens, Greece), Xavier Jaumont (La Madeleine, France), Paul Michael Larbig (Pfeffingen, Switzerland)	<b>4548</b>
<b>16:35</b>	<b>Q &amp; A</b> Rory Morty (Bad Nauheim, Germany)	<b>4549</b>
<b>16:50</b>	<b>Wrap up and closing</b> Guy Brusselle (Ghent, Belgium)	<b>4550</b>

**17:15-19:15****INDUSTRY EVENING SYMPOSIUM****SEE PAGE 1****17:30-19:00****INDUSTRY EVENING MINI SYMPOSIUM****SEE PAGE 1****17:30-19:00****INDUSTRY EVENING EXPERT FORUM****SEE PAGE 1**



## Auditorium (South)

## Session 518

08:30 - 10:30

## Hot topics: In the frontline of the fight against tuberculosis

## New perspectives for TB management and latent TB infections: managing difficult cases

**Aims :** TB is clinical and public health priority. a) Among new solutions to support clinical and public health management of TB and latent infection (LTBI), M-Health has been supported by WHO and a ERS/WHO project has been launched. b) WHO guidelines recommend difficult-to-treat TB cases are managed by specialised teams, ideally covering a wide range of clinical expertise. ERS and WHO (European office) have developed an electronic platform operating free cost in different languages which, so far, contributed to support clinical management of over 300 cases. c) To manage MDR and XDR-TB there is a desperate need to better understand the role and contribution of new and repurposed drugs to improve bacteriological conversion and treatment success while preventing drug resistance. d) New tools have been recently developed to diagnose TB and LTBI, and new perspectives are therefore opening to improve TB control and, in some settings, to approach pre-elimination.

**Track(s) :** Respiratory infections

**Tag(s) :** Paediatric

**Target audience :** Allied health professional, Clinician, Educationalist, Epidemiologist, Fellow, General practitioner, Immunologist, Paediatrician, Patient, Physiotherapist, Physiologist, Public health official, Pulmonologist, Radiologist, Intensivist/critical care physician, Junior member, Microbiologist, Neonatologist, Nurse, Occupational therapist, Researcher, Resident, Respiratory physician, Scientist, Social worker, Student, TB specialist, Thoracic surgeon, Thoracic endoscopist, Trainee

**Chairs :** Marc Lipman (London, United Kingdom), Timothy Aksamit (Rochester, United States of America)

08:30	<b>The results of the ERS/WHO M-Health project</b> Dennis Falzon (Geneva, Switzerland)	4602
09:00	<b>Managing difficult TB cases: experiences from the ERS/WHO TB Consilium and other country-specific Consilia</b> Simon Tiberi (London, United Kingdom)	4603
09:30	<b>From TB and LTBI diagnosis to a public health response in high and low TB burden countries</b> Keertan Dheda (Cape Town, South Africa)	4604
10:00	<b>Clinical use of new and repurposed drugs: the role and contribution of the ERS collaborative projects</b> Giovanni Battista Migliori (Varese, Italy)	4605

## Silver (North)

## Session 519

08:30 - 10:30

## Symposium: Update on weaning from the ventilator

Ten years later: are the statements of the sixth international consensus conference on intensive care medicine about weaning still valid?

**Aims :** The aims of this session are (1) to describe the new insights in the pathophysiology of difficult weaning from the ventilator; (2) to understand the role of weaning protocols and automatic weaning algorithms in difficult weaning; (3) to discuss the role of noninvasive ventilation in weaning from mechanical ventilation; and (4) to describe the principles and clinical benefits of inspiratory muscle training in weak patients who are difficult to wean from the ventilator.

**Track(s) :** Acute and chronic respiratory failure/sleep

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Anaesthesiologist, Clinician, Emergency medicine doctor, Intensivist/critical care physician, Junior member, Nurse, Physiologist, Physiotherapist, Pulmonologist, Respiratory physician, Respiratory therapist, Trainee

**Chairs :** Paolo Navalesi (Milan, Italy), Leo M.A. Heunks (Amsterdam, Netherlands)

08:30	<b>New insights into the pathophysiology of difficult weaning</b> Nicholas Hart (London, United Kingdom)	4606
09:00	<b>Identifying weaning candidates</b> Karen Burns (Toronto, Canada)	4607
09:30	<b>The role of noninvasive ventilation in weaning from mechanical ventilation</b> Alexandre Demoule (Paris, France)	4608
10:00	<b>Does inspiratory muscle strength training improve weaning from the ventilator?</b> Rik Gosselink (Leuven, Belgium)	4609

## Bronze (Hall 4)

## Session 520

08:30 - 10:30

## Session: Treatment and prevention of COPD exacerbation

Results of the ERS/ATS Guidelines

**Aims :** Provide an overview of the main recommendations for treatment and prevention of COPD exacerbations described in the recent document developed by specialists from ERS and ATS

**Track(s) :** Chronic airway diseases

**Tag(s) :** Clinical

**Target audience :** Clinician, Respiratory physician, Respiratory therapist, General practitioner, Public health official, Nurse

**Chairs :** Klaus F. Rabe (Grosshansdorf, Germany), Jerry Krishnan (Chicago, United States of America)

08:30	<b>What is and what is not an exacerbation of COPD? Non pharmacologic interventions for management</b> Peter M. A. Calverley (Liverpool, United Kingdom)	4610
09:00	<b>Recommendations for pharmacological treatment of exacerbations of COPD</b> Antonio Anzueto (San Antonio, United States of America)	4611
09:30	<b>Recommendations on long-term antibiotics and mucolytics for prevention of exacerbations of COPD</b> Marc Miravittles (Barcelona, Spain)	4612
10:00	<b>Recommendations for bronchodilators and PDE4 inhibitors for prevention of exacerbations of COPD</b> Jørgen Vestbo (Manchester, United Kingdom)	4613

## Beige (South)

## Session 521

08:30 - 10:30

### Hot topics: A novel approach to lung cancer

Is there a revolutionary treatment for lung cancer ?

**Aims :** To provide an update on most recent studies about alternative treatment for lung cancer

**Track(s) :** Lung cancer

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Clinician, Emergency medicine doctor, Fellow, General practitioner, Immunologist, Intensivist/critical care physician, Junior member, Lung function technician, Nurse, Oncologist, Pathologist, Patient, Physiotherapist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, Thoracic endoscopist, Thoracic surgeon, Trainee, Pharmaceutical industry representative

**Chairs :** Torsten Gerriet Blum (Berlin, Germany)

08:30	<b>Stem cell therapy for lung cancer</b> Sam Janes (London, United Kingdom)	4614
09:00	<b>CAR T-cell therapy for lung cancer</b> Prasad S. Adusumilli (New York, United States of America)	4615
09:30	<b>Latest treatable molecular alterations in lung cancer</b> Torsten Gerriet Blum (Berlin, Germany)	4616
10:00	<b>Next advances in immunotherapies for lung cancer</b> Bogdan Dragos Grigoriu (Bruxelles, Belgium)	4617

## Black (North)

## Session 522

08:30 - 10:30

### Hot topics: Chemical and biological indoor and outdoor pollution

**Aims :** This session informs the audience on the latest development in indoor and outdoor air pollution and respiratory health effects. Major topics are the energy transition that is being expected to have a major impact on (the composition) on general air pollution in the developed and developing world. Another issue is that air pollution related to livestock production is receiving more attention. Potential protective effects have received considerable attention, deleterious effects of air pollution from livestock production has recently been associated with respiratory effects (COPD exacerbation, pneumonia risk and shifts in the respiratory microbiome) but are still poorly characterized and not completely understood.

**Track(s) :** Chronic airway diseases, Respiratory infections

**Tag(s) :** Basic translational science, Smoking prevention and cessation (HLfL)

**Target audience :** Epidemiologist, Public health official, Clinician, Respiratory physician

**Chairs :** Laura Fregonese (London, United Kingdom), Barbara Hoffmann (Dusseldorf, Germany)

08:30	<b>Air pollution: what are the coming issues?</b> Michael Brauer (Vancouver, BC, Canada)	4618
09:00	<b>Farm related air pollution and respiratory effects: do recent insights change our perspectives?</b> Lidwien A.M. Smit (Utrecht, Netherlands)	4619

09:30	<b>Indoor microbial exposure and asthma : about good and bad guys and what do we know so far</b> Juha Pekkanen (Helsingin yliopisto, Finland)	4620
10:00	<b>ERS/ATS Workshop Report on Respiratory Health Effects of Household Air Pollution</b> William J Martin (Research Triangle Park, United States of America)	4621

## Purple (North)

## Session 523

08:30 - 10:30

## Symposium: Personalised care for emphysema in COPD

**Aims :** Much of pulmonary medicine is moving towards personalised treatment that is based on the specific patient's phenotype. In lung cancer, tumours are targeted on the basis of their genetic signature. In asthma, biological agents are selected on the basis of circulating inflammatory markers. By contrast, in COPD, there has been very little development in terms of personalised therapy. However, interventional procedures are leading the way towards personalised solutions for specific COPD subtypes. On the basis of imaging and other tools, experts can now identify the most likely responders to specific interventions for emphysema. Moreover, we may soon have procedures for other COPD phenotypes, such as cryoablation for chronic bronchitis patients with a high mucous production, or radiofrequency ablation for frequent exacerbators with chronic cough. This session will educate participants about the latest scientific data and make recommendations about how to phenotype and differentially treat advanced COPD patients with non-pharmacological interventions.

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Clinician, Fellow, General practitioner, Junior member, Physiotherapist, Pulmonologist, Respiratory physician, Thoracic endoscopist, Thoracic surgeon, Trainee

**Chairs :** Gerard J. Criner (Philadelphia, United States of America), Daniela Gompelmann (Heidelberg, Germany)

08:30	<b>Phenotyping emphysema on the basis of clinical information</b> Alvar Agusti Garcia-Navarro (Barcelona, Spain)	4622
08:57	<b>Phenotyping emphysema on the basis of imaging techniques</b> Maren Schuhmann (Heidelberg, Germany)	4623
09:24	<b>Surgical solutions</b> Dirk Van Raemdonck (Leuven, Belgium)	4624
09:51	<b>Endoscopic solutions</b> Felix J.F. Herth (Heidelberg, Germany)	4625
10:18	<b>Genetic associations is part of the personalised answer: Report of ERS Statement on AATD</b> Robert Andrew Stockley (Birmingham, United Kingdom)	4626

## Red (North)

## Session 524

08:30 - 10:30

## Oral Presentation: Paediatric respiratory infections and immunity

**Chairs :** Mark Everard (Perth, WA, Australia), Ricardo Miguel Ribeiro Marques Cunha Fernandes (Lisbon, Portugal)

OA4627	<b>Nasal cavity inflammation in patients with primary ciliary dyskinesia (PCD) is associated with bacterial infection</b> Amelia Shoemark (London, United Kingdom), Emily Frost, Katharine Harman, Suzanne Crowley, Andrew Ives, Jackie Donovan, Hui-Leng Tan, Eric W Alton, Andrew Bush, Claire Hogg, Jane C Davies
OA4628	<b>Primary ciliary dyskinesia exhibits dysregulated epithelial responses to non-typeable Haemophilus influenzae</b> Jane Lucas (Southampton, United Kingdom), Samuel Collins, Raymond Allan, Claire Jackson, Janice Coles, Gary Connett, Woolf Walker
OA4629	<b>Toll-like receptor 2 subfamily gene polymorphisms: a prospective post-bronchiolitis cohort study</b> Sari Törmänen (Tampere, Finland), Sari Törmänen, Matti Korppi, Eero Lauhkonen, Petri Koponen, Johanna Teräsjärvi, Juho Vuononvirta, Merja Helminen, Qiushui He, Kirsi Nuolivirta
OA4630	<b>IL1RA polymorphism and levels associated with adverse outcome in severe community acquired pneumonia in children: A hospital-based study in India.</b> Shally Awasthi (LUCKNOW (UTTAR PRADESH), India), Krishna K Yadav, Monika Pandey, AA Mahdi, Nidhi Awasthi
OA4631	<b>Respiratory morbidity after hospitalisation with Respiratory Syncytial Virus and Rhinovirus infection.</b> Pearl Ampah (Liverpool, United Kingdom), Steven Lane, Sarah Stephenson, Jennifer Davis, Clare Van Meirt, Brian Flanagan, Gemma Saint, Paul McNamara
OA4632	<b>Mycoplasma pneumoniae genotype is associated with severity of lower respiratory tract infections in children</b> Jasna Rodman (Ljubljana, Slovenia), Darja Keše, Marina Praprotnik, Tatjana Mrvić, Rok Kogoj, Uroš Krivec

- OA4633 Environmental exposure does not affect pathogenic detection in nasal specimens**  
Nada Townsi (East Perth, WA, Australia), Shannon Simpson, Graham Hall, Glenys Chidlow, David Smith, Andrew Wilson, Jane Pillow, Ingrid Laing

## Space 1 + 2 (South)

## Session 525

08:30 - 10:30

## Oral Presentation: From idiopathic pulmonary fibrosis (IPF) to rare diseases

Chairs : Claudia Ravaglia (Brisighella, Italy), Vincent Cottin (Lyon, France)

- OA4634 Late Breaking Abstract - Inhaled indacaterol does not affect lung function or symptoms in lymphangioliomyomatosis: a double blind placebo controlled cross-over trial**  
Deborah Yates (Sydney, NSW, Australia), Trina Vincent, Mark Block
- OA4635 The role of free fatty acids in idiopathic pulmonary fibrosis**  
Hak-Su Kim, Kwang Min Lee, Ha Eun Song, Kwang Hun Choi, Jung Jin Hwang, Hyun Ju Yoo, Jin Woo Song
- OA4636 Real world experience with transbronchial cryobiopsies for diagnosing interstitial lung disease (ILD)**  
Julia Wälscher (Heidelberg, Germany), Julia Wälscher, Ralf Eberhardt, Claus Peter Heußel, Arne Warth, Felix JF Herth, Michael Kreuter
- OA4637 Gender associated Differences in Patients with IPF based on the Analysis of the INSIGHTS-IPF Registry Data**  
Antje Prasse (Hannover, Germany), Michael Kreuter, Jens Klotsche, Dirk Koschel, Marion Frankenberger, Claus Neurohr, Martin Schwaiblmair, Dirk Skowasch, Martin Claussen, Sven Gläser, Henrike Wilkens, Christian Grohe, Lars Hagmeier, Joachim Kirschner, Stefan Andreas, Hubert Wirtz, David Pittrow, Jürgen Behr, Silke Geier
- OA4638 Benefits from a program for “early interstitial lung diseases” in primary care centers**  
Pilar Rivera Ortega (Esplugues de Llobregat (Barcelona), Spain), Patricio Luburich, Ferran Ferrer, Ariadna Conejero, Josep Maria Bantula, Lurdes Planas, Vanesa Vicens, Ignacio Escobar, Roger Llatjos, Anna Bachs, Jordi Dorca, Maria Molina Molina
- OA4639 Lung function in Birt-Hogg-Dubé syndrome**  
Cécile Daccord (LAUSANNE, Switzerland), Raphaël Borie, Mohamed Faouzi, Chahera Khouatra, Anne Gondouin, Amandine Briault, Jean-François Cordier, Vincent Cottin, Romain Lazor
- OA4640 Exercise in patients with pulmonary Langerhans cell histiocytosis: performance and mechanisms of limitation**  
Glauca Itamaro Heiden (SAO PAULO/SP, Brazil), Carolina Freitas, Juliana Barbosa Sobral, Ronaldo Kairalla, Carlos Roberto Carvalho, João Marcos Salge, André Luis Albuquerque, Rogério Souza, Bruno Baldi
- OA4641 Histologic aspects of UIP pattern on cryobiopsy in patients with idiopathic pulmonary fibrosis**  
Ilaria Nardi (Forli, Italy), Marcello Bosi, Sara Tomassetti, Claudia Ravaglia, Carlo Gurioli, Lucia Crociani, Luca Vigiuetta, Susanna Mascetti, Venerino Poletti, Sara Piciucchi, Alessandra Dubini, Venerino Poletti

## Space 3 + 4 (South)

## Session 526

08:30 - 10:30

## Oral Presentation: Novel imaging findings characterising various lung diseases and their prognoses

Chairs : Aleksandar Grgic (Homburg, Germany), Johan Coolen (Leuven, Belgium)

- OA4642 Late Breaking Abstract - Hyperpolarised gas MRI demonstrates sub-clinical progression in IPF over 6 months**  
Nicholas Weatherley (Sheffield, United Kingdom), Ho-Fung Chan, Neil Stewart, Graham Norquay, Madhwesha Rao, Guilhem Collier, Matthew Austin, Laurie Smith, Helen Marshall, Stephen A Renshaw, Stephen Bianchi, Jim M Wild
- OA4643 Novel CT markers of volume loss in idiopathic pulmonary fibrosis (IPF) predict mortality**  
Hasti Robbie (London, United Kingdom), Athol Wells, Joseph Jacob, Simon Walsh, Arjun Nair, Priscilla Tazoniero, Aghasthikan Srikanthan, Angela Atinga, Rose Camoras, Anand Devaraj
- OA4644 Comparison of in-vivo lung morphometry models from multiple b-value diffusion-weighted MRI in healthy controls, IPF and COPD patients**  
Ho-Fung Chan (Sheffield, United Kingdom), Juan Parra-Robles, Guilhem Collier, Jim Wild
- OA4645 Ventilation heterogeneity assessed in patients with mild cystic fibrosis and asthma using Hyperpolarised gas MRI histogram analysis**  
Laurie Smith (Sheffield, United Kingdom), Paul Hughes, Felix Horn, Alberto Biancardi, Guilhem Collier, Neil Stewart, Graham Norquay, Madhwesha Rao, Ina Aldag, Chris Taylor, Helen Marshall, Jim Wild
- OA4646 Ventilation heterogeneity reversibility: asthma, COPD or ACOS?**  
Rachel L. Eddy (London, Canada), Khadija Sheikh, Dante Capaldi, Sarah Svenningsen, David McCormack, Grace Parraga
- OA4647 Parametric response map registered CT feature and small airway physiology analysis in asthma**  
Alexander Bell (Leicester, United Kingdom), Matthew Richardson, Amisha Singapuri, Evgeny Mirkes, Alexander Gorban, Craig Galban, Maarten van den Berge, Chris Brightling, Salman Siddiqui

**OA4648 Clinical significance of <sup>99m</sup>Tc-technetrit in indications of inflammatory processes in TB/HIV patients**  
Andrey Perfilyev (Moscow, Russian Federation), Atadzhan Ergeshov, Olga Demikhova, Grigory Klimov, Anatoly Sigaev, Rasul Amansakhedov, Stanislav Mikhailov, Irina Limarova

**OA4649 Title:68 Gallium DOTA-NOC PET/CT as a predictor of disease activity in sarcoidosis**  
Achintya Singh (New Delhi, India), Sanchit Sharma, Madhavi Tripathi, Agrima Mian, Surendra K Sharma

## Pink (South)

## Session 527

08:30 - 10:30

## Oral Presentation: Hospital-acquired infections: from prevention to treatment

Chairs : Ignacio Martin-Loeches (Dublin 8, Ireland), Miquel Ferrer Monreal (Barcelona, Spain)

**OA4650 The lateral-Trendelenburg vs. semirecumbent body position for the prevention of ventilator-associated pneumonia - The Gravity-VAP Trial**  
Gianluigi Li Bassi (Barcelona, Spain), Mauro Panigada, Otavio Ranzani, Theodor Kolobow, Alberto Zanella, Massimo Cressoni, Lorenzo Berra, Vieri Parrini, Hassan Kandil, Giovanni Salati, Sergio Livigni, Alessandro Amatu, Massimo Girardis, Maria Barbagallo, Gabriella Moise, Giovanna Mercurio, Alessandra Costa, Antonella Vezzani, Simone Lindau, Jaksa Babel, Marco Cavana, Antoni Torres

**OA4651 Secondary analysis of hospital mortality risks associated with the lateral-Trendelenburg vs. semirecumbent body position - The Gravity-VAP Trial**  
Gianluigi Li Bassi (Barcelona, Spain), Mauro Panigada, Otavio Ranzani, Theodor Kolobow, Alberto Zanella, Massimo Cressoni, Lorenzo Berra, Vieri Parrini, Hassan Kandil, Giovanni Salati, Sergio Livigni, Alessandro Amatu, Massimo Girardis, Maria Barbagallo, Gabriella Moise, Giovanna Mercurio, Alessandra Costa, Antonella Vezzani, Simone Lindau, Jaksa Babel, Marco Cavana, Antoni Torres

**OA4652 Quick Sepsis-related Organ Failure Assessment to predict ICU admission and mortality in community-acquired pneumonia**  
Maria Dolores Martinez Pitarch (VALENCIA, Spain), Guido Palomino Pacsi, María Luisa Planells Prats, María Bóveda Garcia, Andreu Belmonte Domingo

**OA4653 Exhaled breath metabolomics for the diagnosis of pneumonia in intubated and mechanically ventilated ICU-patients**  
Pouline M.P. van Oort (Amsterdam, Netherlands), Sanne de Bruin, Hans Weda, Hugo Knobel, Marcus Schultz, Lieuwe Bos

**OA4654 Circulating levels of miR-150 and miR-126 are associated with poor outcomes of influenza A/H1N1 virus infection.**  
Joaquin Zuniga (Mexico City, Mexico), Joaquin Zuñiga, Nora Regino-Zamarripa, Luis Jiménez-Alvarez, Alfredo Cruz-Lagunas, Eduardo Márquez-García, Gustavo Ramírez-Martínez, Francisco Urrea, Criselda Mendoza, Carmen Hernández, Ramón Espinosa-Soto

**OA4655 Eradication of MRSA ventilator-associated infection with inhaled vancomycin.**  
Lucy B. Palmer (Stony Brook, United States of America), Gerald C Smaldone

**OA4656 Comparative results of preemptive therapies in mechanically ventilated patients with carbapenam-resistant Acinetobacter baumannii (CRAB)**  
Joo-Won Min (GOYANG-SI, Republic of Korea), Chang Hyeok An, Sang Joon Park

## Brown 1 + 2 (South)

## Session 528

08:30 - 10:30

## Oral Presentation: New perspectives from experimental models of pulmonary hypertension

Chairs : Ralph T. Schermuly (Giessen, Germany), Harm Jan Bogaard (Amsterdam, Netherlands)

**OA4657 Bacterial translocation in pulmonary hypertension**  
Frederic Perros (Le Kremlin Bicetre, France), Benoit Ranchoux, Amélie Bigorgne, Aurélie Hautefort, Barbara Girerd, Olivier Sitbon, David Montani, Marc Humbert, Colas Tcherakian

**OA4658 Contribution of BMP9 to Pulmonary Arterial Hypertension**  
Ayumi Sekine (Le Plessis-Robinson, France), Ly Tu, Christine Mallet, Jennifer Bordenave, Raphael Thuillet, Carole Phan, Paul-Benoit Poble, Alice Huertas, Marc Humbert, Sabine Bailly, Christophe Guignabert

**OA4659 Regulation of the pulmonary vascular tone by p66shc and cyclophilin D**  
Mareike Gierhardt (Buenos Aires, Argentina), Oleg Pak, Akylbek Sydykov, Karin Quanz, Azadeh Esfandiary, Jochen Wilhelm, Hossein Ardeshir Ghofrani, Ralph T Schermuly, Werner Seeger, Friederich Grimminger, Christiane Herden, Rainer Schulz, Norbert Weissmann, Natascha Sommer

**OA4660 The effect of 6-mercaptopurine treatment on experimentally induced pulmonary arterial hypertension**  
Xiao-Qing Sun (Amsterdam, Netherlands), Kondababu Kurakula, Chris Happé, Denielli da Silva Goncalves Bos, Ingrid Schalij, Anton Vonk-Noordegraaf, Frances S de Man, Harm-Jan Bogaard, Marie-Jose Goumans

**OA4661 Bone marrow transplantation reduces susceptibility to pulmonary hypertension in BMPR2 deficient mice**  
Alexi Crosby (Cambridge, United Kingdom), Mark Toshner, Elaine Soon, Mark Southwood, Benjamin Dunmore, Emily Groves, Stephen Moore, Penny Wright, Morrell Nicholas

**OA4662 Pharmacokinetics and pre-clinical efficacy of ralinepag (APD811) in humans and rats**  
John Adams (San Diego, United States of America), Michael Morgan, David Unett, Brendan Whittle

**OA4663 Reversal of pulmonary hypertension in a sugen/hypoxic rat model using an ASK1 inhibitor**  
Kathryn Wilson (GLASGOW, United Kingdom), Hanna Buist, Geeshath Jayasekera, John Liles, Grant Budas, Seth Fairfax, Colin Hughes, Margaret Nilssen, Colin Church, Mandy MacLean, Andrew Peacock, David Welsh

## Yellow (North)

## Session 529

08:30 - 10:30

## Oral Presentation: New trends in pulmonary rehabilitation and chronic care

Chairs : Enrico Maria Clini (Modena, Italy), Carolyn Rochester (New Haven, United States of America)

**OA4664 Late Breaking Abstract - Co-morbid disease clusters in chronic obstructive pulmonary disease: the ERICA study**  
Divya Mohan (King of Prussia, United States of America), Matthew Allinder, Julia Forman, Carmel Mceniery, Charlotte Bolton, John Cockcroft, William Macnee, Jonathan Fuld, Nichola Gale, Marie Fisk, Joseph Cheriyan, David Lomas, Peter Calverley, Bruce Miller, Ian Wilkinson, Ruth Tal-Singer, Michael Polkey

**OA4665 Efficacy and costs of telehealth for the management of COPD: PROMETE II, a multicentre, randomized controlled trial**  
Joan B Soriano (Madrid, Spain), Francisco García-Río, Emma Vázquez Espinosa, Josefina Díaz de Atauri, Luis López Yepes, Raúl Galera Martínez, Germán Peces Barba, M<sup>a</sup> Teresa Pérez Warnisher, Mercedes García Salmones, Gonzalo Segrelles, Pablo González Ponce, Julio Ancochea

**OA4666 Whole body vibration training in long-term (>1 year) lung transplant patients – A randomized, controlled trial**  
Rainer Gloeckl (Schoenau am Koenigssee, Germany), Inga Jarosch, Stella Seeberg, Thomas Damisch, Klaus Kenn

**OA4667 Longitudinal change to quadriceps thickness following admission to hospital for an exacerbation of chronic respiratory disease**  
Neil Greening (Leicester, United Kingdom), Theresa Harvey-Dunstan, Emma Chaplin, Sally Singh, Michael Steiner

**OA4668 Home-based pulmonary rehabilitation in patients with bronchiectasis: a randomized controlled trial**  
Simone Dal Corso (SAO PAULO/SP, Brazil), Anderson José, Anne E. Holland, Jessyca P. R. Selman, Rejane A. S. Castro, Anderson A. de Camargo, Cristiane S. de Oliveira, Tiago P. Freitas, Rodrigo Athanasio, Samia Z. Rached, Alberto Cukier, Rafael Stelmach

**OA4669 Effects of bronchodilator therapy and exercise with self-management behaviour-modification on psychological and cognitive outcomes in COPD**  
Kim Lavoie (Montréal, QC, Canada), Maria Sedeno, Pei-Zhi Li, Thierry Troosters, Alan Hamilton, Dorothy De Sousa, Jean Bourbeau

**OA4670 The effect of inspiratory pressure support on quadriceps endurance is blunted after pulmonary rehabilitation in severe COPD patients.**  
Pierre Labeix (Saint-Etienne, France), Mathieu Berger, Daniela Muti, Isabelle Court Fortune, Stephanie Ballereau-Chomette, Jean-Claude Barthélémy, Frédéric Costes

**OA4671 Short-time exercise-induced rehabilitation in non-small cell lung cancer patients during in-hospital chemotherapy treatment: a randomized controlled trial**  
Dariusz Jastrzbski (Zabrze, Poland), Anna Rutkowska, Sebastian Rutkowski, Sabina Kostorz, Aleksandra Zebrowska, Dariusz Ziora, Richard Casaburi

## Brown 3 (South)

## Session 530

08:30 - 10:30

## Oral Presentation: Notable abstracts in asthma

Chairs : Mohankumar Thekkinkattil (Coimbatore (Tamil Nadu), India), Szymon Skoczyński (Katowice, Poland)

**OA4672 Late Breaking Abstract - Bronchial Thermoplasty restores constitutive high PRMT1 expression in asthmatic airways**  
Lei Fang (Hefei, Anhui, China), Michael Roth, Qingzhu Sun, Spasenija Savic, Michael Tamm, Daiana Stolz

**OA4673 Mepolizumab improves activity limitation in severe eosinophilic asthma**  
Frank Albers (Chapel Hill, United States of America), Linda M Nelsen, Daniel J Bratton, Eric S Bradford, G J Braunstahl

**OA4674 Differences between obstructive asthma and Asthma-COPD overlap syndrome (ACOS)**  
Minna Tammola (Seinäjoki, Finland), Pinja Ilmarinen, Leena Tuomisto, Lauri Lehtimäki, Jussi Haanpää, Onni Niemelä, Hannu Kankaanranta

**Prospective assessment of GOLD 2017 categories and COPD phenotypes Czech Multicentre Research Database of COPD Group**

- OA4675** Vladimír Koblížek (Hradec Králové, Czech Republic), Vladimír Koblížek, Marek Plutinsky, Jaromír Zaloukal, Patrice Popelkova, Tomas Dvorak, Petr Safranek, Ondrej Sobotik, Lucie Heribanova, Petr Vanik, Zuzana Liptakova, Blanka Snelerova, Jaroslav Lnenicka, Pavlina Musilova, Maria Majerciakova, Milada Sipkova, Barbora Novotna, Miroslava Fecaninova, Kristian Brat, Eva Volakova, Libor Nevoranek, Eva Kocova, Michal Kopecky, Katerina Neumannova, Karel Hejduk, Michal Svoboda, Jiri Jarkovsky

**A study to define microbiome subtypes in the adult asthmatic airway**

- OA4676** Ashley Sullivan (Cork, Ireland), Eoin B Hunt, Susan Laphorne, Chris Ward, Joseph Eustace, Paul M O'Byrne, Barry J Plant, Desmond M Murphy, John MacSharry

**Chronic cough: objective cough frequency in a large cough clinic cohort**

- OA4677** Peter Siu Pan Cho (London, United Kingdom), Hannah Fletcher, Sérgio Matos, Claire Wood, Tracey Fleming, Richard Turner, Surinder Birring

**Exercise and diet improve asthma control in non-obese asthma patients - a randomised controlled trial**

- OA4678** Louise Toennesen (Copenhagen, Denmark), Howraman Meteran, Morten Hostrup, Celeste Porsbjerg, Nina Geiker, Camilla Jensen, Arne Astrup, Jens Bangsbo, Debbie Parker, Vibeke Backer

**The influence of folates metabolism genes on the course of asthma during pregnancy**

- OA4679** Tatiana Luchnikova (Blagoveshchensk, Amur Oblast, Russian Federation), Olga Prikhodko

Amber 1 + 2 (South)

Session 531

08:30 - 10:30

**Poster Discussion: Asthma: mechanisms and treatment**

Chairs : Fabio L. M. Ricciardolo (Orbassano (To), Italy), Peter J. Sterk (Amsterdam, Netherlands)

- PA4680** **Effect of the addition of montelukast on airway inflammation and remodeling in symptomatic asthma**  
Makoto Hoshino (Atami, Japan), Junichi Ohtawa, Kenta Akitsu, Tetsuo Satoh

- PA4681** **Anti-inflammatory effects of the novel phosphodiesterase type 4 inhibitor CHF6001 on bronchoalveolar lavage lymphocytes from asthma patients**  
Thomas Southworth (Manchester, United Kingdom), Manminder Kaur, Fabrizio Facchinetti, Gino Villetti, Maurizio Civelli, Dave Singh

- PA4682** **Living with severe asthma year 2016**  
Paraskevi Katsaounou (Athens, Greece), Lorena Garcia Conde, Claus Kroegel, Robin Gore, Francesco Menzella, Cristian Domingo Ribas, Mario Morais Almeida, Michael E Hyland, Matthias Gasser, Ismail Kasujee, Mikaela Odemyr

- PA4683** **Effect of tralokinumab on GINA control in severe, uncontrolled asthma**  
Christopher E. Brightling (Leicester, United Kingdom), Edward Piper, Peter Wessman, Gene Colice

- PA4684** **The therapeutic efficacy of OAT-889 (dual AMC/CHIT1 inhibitor) in comparison to montelukast in HDM-induced model of chronic airway inflammation in mice**  
Barbara Dymek (Warszawa, Poland), Piotr Sklepkiewicz, Magdalena Salamon, Anna Maria Zdziarska, Michał Młcki, Agnieszka Zagołdon, Robert Koralewski, Marzena Mazur, Adam Gołbowski, Jakub Gołb, Karolina Dzwonek

- PA4685** **PDK1/RSK1-dependent C/EBP $\beta$  activation is involved in thrombin-induced expression of orosomucoid 1-like 3 (ORMDL3) and IL-8/CXCL8 in human lung epithelial cells**  
Bing-Chang Chen (Taipei, Taiwan), Mei-Fen Huang

- PA4686** **Long term effect of doxycycline in asthma: a real world observation**  
Parthasarath Bhattacharyya (Kolkata (West Bengal), India), Surita Sarkar, Soumen Das, Dipanjan Saha

- PA4687** **Clinically meaningful improvements with reslizumab in patient-reported outcomes and lung function in a sub-population defined by the EU indication with  $\geq 3$  exacerbations**  
Leif Bjermer (Lund, Sweden), Margaret Garin, Shawn X. Sun

- PA4688** **Genome-wide association study of inhaled corticosteroid response in African-admixed children with asthma.**  
Natalia Hernandez-Pacheco (Santa Cruz de Tenerife, Spain), Niloufar Farzan, Susanne J Vijverberg, Ben Francis, Maximilian Schieck, Munir Pirmohamed, Vojko Berce, Katja Repnik, Uroš Potnik, Daniel B Hawcutt, Michael Kabesch, Colin Palmer, Carlos Flores, Anke H Maitland-van der Zee, Esteban G Burchard †, Maria Pino-Yanes †, († equal contribution)

- PA4689** **Perceived and actual control in patients with severe asthma: results from a global online survey**  
Paraskevi Katsaounou (Athens, Greece), Michael E Hyland, Matthias Gasser, Lorena Garcia Conde, Ismail Kasujee

- PA4690** **Clinically meaningful FEV1 response with reslizumab achieved early and sustained over 52 weeks**  
Johann Christian Virchow (Rostock, Germany), Margaret Garin, Mirna McDonald, Roland Buhl

- PA4691 Reslizumab reduces severe exacerbations associated with emergency department visit or hospitalization and improves measures of lung function in patients on maintenance oral corticosteroids (OCS) at baseline**  
Pascal Chanez (Marseille, France), Margaret Garin, Mirna McDonald, Marc Humbert
- PA4692 Impact of A Digital Health Intervention On Asthma Healthcare Utilization**  
Rajan Merchant (San Francisco, United States of America), Michael Tuffli, Meredith Barrett, Chris Hogg, David Van Sickle, David Stempel
- PA4693 Fevipiprant (QAW039) demonstrates safety, tolerability and consistent PK at high oral doses**  
Veit Erpenbeck (Basel, Switzerland), Meredith Cain, Janardhana Vemula, Swathi Mandalapu, Ravish Bhuyan, Gholamreza Rahmanzadeh, Kayoko Matsumoto, Michelle Ababa, Markus Weiss
- PA4694 Maternal eCigarette vaping enhances Th2 driven asthma in the offspring.**  
Pawan Sharma (Glebe, Australia), Kielan McAlinden, Yik Chan, Anudeep Kota, Varsha Komalla, Hui Chen, Brian Oliver
- PA4695 Curcumin as an Add-on Therapy of Moderate Partially Controlled Asthma**  
Edin Jusufovic (Tuzla, Bosnia and Herzegovina), Mitja Kosnik, Azra Jusufovic, Munevera Becarevic, Mona Al-Ahmad, Jasmina Nurkic, Munevera Osmic, Alma Nadarevic, Fransi Petrak, Dzenan Halilovic, Rifat Sejdinovic, Besim Prnjavorac
- PA4696 Response to omalizumab treatment according to blood eosinophil count: Results of a French real-world study (STELLAIR)**  
Marc Humbert (Paris, France), Laurence Mala, Mathieu Molimard
- PA4697 Relationship between benralizumab exposure and asthma exacerbation rate for patients with severe asthma**  
Lorin Roskos (Gaithersburg, United States of America), Bing Wang, Yen Lin Chia, Binbing Yu, Peter Barker, Mitch Goldman

## Amber 3 + 4 (South)

## Session 532

08:30 - 10:30

## Poster Discussion: Assessing functional outcomes in chronic respiratory disease

Chairs : Heleen Demeyer (Barcelona, Spain), Fabio Pitta (Londrina, Brazil)

- PA4698 Association between number of steps and mortality in patients with severe chronic obstructive pulmonary disease**  
Katerina Neumannova (Olomouc, Czech Republic), Barbora Novotna, Michal Kopecky, Vladimir Koblizek, Ondrej Kudela, Marek Plutinsky, Ondrej Sobotik, Petr Vanik, Zuzana Liptakova, Pavlina Musilova, Maria Majerciaková, Tomas Dvorak, Jiri Jarkovsky, Karel Hejduk, Michal Svoboda, Jan Svancara
- PA4699 Comparison of kinesophobia and physical activity levels in individuals with COPD at different phenotypes**  
Alp Özel (Bolu, Turkey), Eylem Tütün Yümin, Tuncer Tu
- PA4700 The six minute walk distance is the best predictor of physical activity in severe COPD patients**  
Wanlop Kunanusornchai (Nakhon Prathom, Thailand), Karin Wadell, Christer Janson, Kjell Larsson, Richard Casaburi, Ann Lindberg, Milla Katajisto, Maria Nykvist, Varanuj Chatsudthipong, Margareta Emtner
- PA4701 Physical activity levels in a severe asthma population.**  
Rebecca Livingston (Borehamwood, United Kingdom), Helene Bellas, Jagdeep Sahota, Therese Bidder, Douglas Robinson
- PA4702 Validity of a cutoff point for the London Chest Activity Daily Living scale in patients with COPD**  
Leticia F. Belo (Londrina, Brazil), Antenor Rodrigues, Thais Paes, Renata Volpe, Vanessa Probst, Fabio Pitta, Nidia A. Hernandez, Camila Bonomo
- PA4703 The views of health care providers' (HCPs) and patients with Chronic Obstructive Pulmonary Disease (COPD) on pain in pulmonary rehabilitation (PR): A qualitative study**  
Samantha Harrison (Middlesbrough, United Kingdom), Annemarie Lee, Helene Button, Rebecca Shea, Roger Goldstein, Dina Brooks, Cormac Ryan, Denis Martin
- PA4704 Upper extremity pain sensitivity and postural abnormalities in obstructive lung disease**  
Naciye Vardar Yaşar (Ankara, Turkey), Melda Saglam, Deniz Inal-Ince, Ebru Calik-Kutukcu, Hulya Arikan, Lutfi Coplu
- PA4705 Minimal clinically important difference and predictive validity of the mMRC and mBorg in acute exacerbations of COPD**  
Ana Luisa Araújo Oliveira (Vila Nova de Famalicão, Portugal), Ana Luisa Araújo Oliveira, Lília Andrade, Alda Marques
- PA4706 Measurement properties of muscle strength tests in AECOPD**  
Ana Luisa Araújo Oliveira (Vila Nova de Famalicão, Portugal), Ana Luisa Araújo Oliveira, Carla Valente, Alda Marques
- PA4707 Are computerized respiratory sounds correlated to patient-centered outcomes in COPD?**  
Cristina Isabel Oliveira Jácome (Viatodos, Portugal), Cristina Isabel Oliveira Jácome, Alda Marques



- PA4708 Correlation between six minute pegboard and ring test and handgrip endurance test in patients with chronic obstructive pulmonary disease**  
Ivanize dos Reis (São Carlos/SP, Brazil), Renata Pedrolongo Basso-Vanelli, Maria Cecília Moraes Frade, Mauricio Jamami
- PA4709 Normative values of 6-min Pegboard and Ring test (6PBRT) in healthy Brazilian adults.**  
Vanessa Lima (DIAMANTINA, Brazil), Fabiana Almeida, Tania Janaudis-Ferreira, Bianca Carmona, Giane Ribeiro-Samora, Marcelo Velloso
- PA4710 Normative values of Unsupported Upper Limb Exercise (UULEX) test in Healthy Brazilians Adults**  
Vanessa Lima (DIAMANTINA, Brazil), Fabiana Almeida, Tania Janaudis-Ferreira, Betina França, Giane Ribeiro-Samora, Marcelo Velloso
- PA4711 Validation of 6-minute pegboard and ring test in hospitalised patients with exacerbated COPD**  
Rosimeire Felisberto (SAO PAULO/SP, Brazil), Cassia Barros, Kelly Cristina Albanezi Nucci, André Luis Pereira de Albuquerque, Elaine Paulin, Christina May Moran de Brito, Wellington Yamaguti
- PA4712 Dynamic hyperinflation induced by the six-minute pegboard and ring test in hospitalised patients with exacerbated COPD**  
Wellington P. Yamaguti (Sao Paulo/Sp, Brazil), Cassia Barros, Rosimeire Felisberto, Kelly Nucci, André Albulquerque, Christina Brito, Elaine Paulin
- PA4713 Genetic profile and patient-reported outcomes (PROs) in COPD: a systematic review**  
Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Gabriela Moura, Hélder Melro
- PA4714 Investigating the fatigue and related factors in patients with chronic obstructive pulmonary disease.**  
Sevgi Ozalevli (Izmir, Turkey), Elvan Keles, Deniz Bayraktar, Aylin Ozgen Alpaydin
- PA4715 Factors associated with balance impairment in COPD patients**  
Rafaella Xavier (Sao Paulo/Sp, Brazil), Ana Carolina Pereira, Aline Lopes, Cibele Marques da Silva, Alberto Cukier, Regina Carvalho Pinto, Celso Carvalho

Amber 5 + 6 (South)

Session 533

08:30 - 10:30

**Poster Discussion: CPAP therapy**

Chairs : Johan Verbraecken (Edegem (Antwerp), Belgium), Jan A. Hedner (Gothenburg, Sweden)

- PA4716 Arterial stiffness in obese CPAP-treated obstructive sleep apnea (OSA): A seven years prospective longitudinal study**  
Louis-Marie Galerneau (GRENOBLE, France), Renaud Tamisier, Meriem Benmerad, Maria R. Bonsignore, Jean-Christian Borel, Jean-Louis Pepin
- PA4717 Cardiovascular events and mortality in CPAP adherent OSAS patients – a 9-year retrospective study**  
Minna Myllylä (Turku, Finland), Minna Myllylä, Anna Hammis, Mikhail Stepanov, Ulla Anttalainen, Tarja Saaresranta, Tarja Laitinen
- PA4718 CPAP does not reduce inflammatory biomarkers in coronary artery disease patients with nonsleepy obstructive sleep apnoea: a randomized controlled trial**  
Yuksel Peker (Istanbul, Turkey), Helena Glantz, Tülay Yucel-Lindberg, Caroline Lindberg, Mustafa Saygin, Erik Thunström
- PA4719 Effect of the continuous positive airway pressure in apneic patients with resistant hypertension: results from the randomized controlled RHOOSAS study**  
Marie Joyeux-Faure (GRENOBLE, France), Jean-Philippe Baguet, Gilles Barone-Rochette, Patrice Faure, Philippe Sosner, Claire Mounier-Vehier, Patrick Lévy, Renaud Tamisier, Jean-Louis Pépin
- PA4720 Treatment of obstructive sleep apnea during decompensations of heart failure a randomized controlled trial**  
Rami Khayat (Columbus, United States of America), Kyle Porter, Angela Sow, David Jarjoura, William Abraham
- PA4721 Effects of adaptive servoventilation on sleep quality in treatment emergent central sleep apnea and central sleep apnea in heart failure patients with preserved ejection fraction**  
Katharina Heider (Regensburg, Germany), Michael Arzt, Christoph Lerzer, Leonie Kolb, Florian Gfüllner, Maximilian Malfetheriner
- PA4722 Sleep Disordered Breathing (SDB) and Chronic Thromboembolic Pulmonary Hypertension: the Effects of Pulmonary Endoarterectomy**  
Francesco Fanfulla (Pavia, Italy), Eugenia Taurina, Gian Doenico Pinna, Claudio Bruschi, Roberto Maestri, Elena Robbi, Rita Maestroni, Maurizio Pin, Andrea D'Armini, Maria Teresa La Rovere
- PA4723 Acetazolamide reduces blood pressure and sleep disordered breathing in hypertensive obstructive sleep apnoea patients – a randomized controlled trial**  
Ding Zou (Göteborg, Sweden), Davoud Eskandari, Ludger Grote, Erik Hoff, Jan Hedner

- PA4724 Long-term effects of cardiac rehabilitation on sleep apnea severity in patients with coronary artery disease**  
Monique Mendelson (GRENOBLE, France), Toru Inami, Owen Lyons, Susan Marzolini, Paul Oh, Douglas Bradley, Hisham Alshaer
- PA4725 Objective compliance with oral appliance therapy versus CPAP in moderate obstructive sleep apnea**  
Grietje E. De Vries (Groningen, Netherlands), Aarnoud Hoekema, Peter J. Wijkstra
- PA4726 Evaluating longterm mandibular advancement splint responders**  
Andrew Scott (Brisbane, QLD, Australia), Riley Forbes, Natalie Eriksson, Philip Teuwen
- PA4727 Cardiovascular effects of oral appliance therapy in obstructive sleep apnea: a systematic review and meta-analysis**  
Grietje E. De Vries (Groningen, Netherlands), Aarnoud Hoekema, Ewout J. Houwerzijl, Peter J. Wijkstra
- PA4728 Long-term tooth displacement in Obstructive Sleep Apnea (OSA) patients treated with custom-made Mandibular Repositioning Device (MRD): two year follow-up (FU) results of ORCADES study**  
Jean-Baptiste Kerbrat ( ), Bruno Navailles, Isabelle Bonafe, Florent Lavergne, Elodie Aversenq, Laurent Morin, Pierre-Jean Monteyrol
- PA4729 Automated Tele-Monitoring on CPAP Adherence at 1 Year: The Tele-OSA Trial**  
Maureen Crocker (San Diego, United States of America), Jeremiah Chang, Joanne Liang, Kendra Becker, Joseph Kim, Rosa Woodrum, Dara Vega, Julie DeWitte, Jessica Arguelles, Stephen Derose, Adam Benjafeld, Dennis Hwang
- PA4730 Echocardiographic changes with positive airway pressure in obesity hypoventilation syndrome. Pickwick study**  
M<sup>a</sup> Ángeles Sanchez Quiroga (Plasencia, Spain), M<sup>a</sup> Ángeles Sanchez Quiroga, M<sup>a</sup> Victoria Mogollón, Fco. Javier Gómez de Terreros, Jaime Corral, Auxiliadora Romero, Candela Caballero, Joaquín Terán-Santos, Maria L Alonso-Álvarez, Teresa Gomez-Garcia, Mónica González, Soledad López-Martínez, Pilar de Lucas, José M. Marin, Trinidad Díaz-Cambres, Sergi Martí, Carlos Egea, Babak Mokhlesi, Javier Barca, Juan F. Masa
- PA4731 Randomised controlled trial of the effect of CPAP in uncontrolled nocturnal asthmatic patients with OSAS.**  
Susanna SS Ng (Hong Kong, Hong Kong), Tat-On Chan, Jenny Ngai, Ken KP Chan, Wing-Ho Yip, Fanny WS Ko, David SC Hui, Karen Yiu
- PA4732 Liver function following continuous positive airway pressure therapy in obstructive sleep apnea patients**  
Wilaiwan Khrisanapant (Khon Kaen, Thailand), Khanaphaphon Wuttumporn, Orapin Pasurivong, Watchara Boonsawat, Justin Reese, Banjamas Intarapoka
- PA4733 Estimated glomerular filtration rate (eGFR) changes after obstructive sleep apnea (OSA) treatment by positive airway pressure: data from the European Sleep Apnea Database (ESADA)**  
Oreste Marrone (Palermo, PA, Italy), Fabio Cibella, Jean-Louis Pépin, Johan Verbraecken, Tarja Saaresranta, John A. Kvamme, Ludger Grote, Ozen K. Basoglu, Carolina Lombardi, Walter McNicholas, Maria R. Bonsignore

Amber 7 + 8 (South)

Session 534

08:30 - 10:30

Poster Discussion: The acute patient: the clinical point-of-view

Chairs : Dario Olivieri (Parma, Pr, Italy), Nikolaos Tzanakis (Heraklion, Crete, Greece)

- PA4734 A method for calculation of arterial blood gas values from measurements in the peripheral blood (v-TAC): The first UK study**  
Ari Manuel (Oxford, United Kingdom), Sara Wordingham-Baker, Robert Angus, Biswajti Chakrabarti, Chris Brockelsby, Alexander Challinor
- PA4735 Is there a role for risk stratification for ambulatory management of Pulmonary Embolism?**  
farhaanah kadri (west midlands, United Kingdom), Keith Siau, Mayumi Hamada, jinha kim, sujatha mathew
- PA4736 Does the significant band of arterial blood gas hold true among patients with restrictive thoracic disease in noninvasive ventilation era?**  
Hiromasa Tachibana (joyo, Japan), Tomomasa Tsuboi
- PA4739 The influence of trimetazidine (Tmz) on quality of life in patients with IPAH**  
Tamila Martynyuk (Moscow, Switzerland), Elvira Kuznetsova, Galina Ryabykina, Vladimir Sergienko, Irina Chazova
- PA4741 Influence of chronic cardiovascular diseases (CVD) on course and outcome of community-acquired pneumonia (CAP)**  
Anna V Demchuk (Vinnytsia, Ukraine), Yuriy M Mostovoy
- PA4742 Association Between the Distribution of Body Fluid and Mortality in Heart Failure patients.**  
ANA GRECIA NAVARRETE PEÑALOZA (mexico city, Mexico), Dulce González Islas, Leslie Verdeja Vendrell, Abril Jimenez Cepeda, Arturo Orea Tejeda, Guillermo Karey Pérez Cortés, Rocio Nayeli Sánchez Santillán, Viridiana Peláez Hernández, Francisco Alejandro Figueroa Herrera, Sonia Catalina Torres Montiel, Bernardo Robles Uribe

- PA4743 Is qSOFA score useful to determine proper place of hospitalization in CAP?**  
Ekaterina Kozlova (Chita, Russian Federation), Sergey Lukyanov, Vladimir Gorbunov, Konstantin Shapovalov
- PA4744 Bronchial artery embolization for hemoptysis: a single institutional experience**  
Pinar Yildiz (STANBUL, Turkey), Didem Görgün, Mesut Bayraktaroğlu, Nihat Karadağ, Sadettin Kamat, Esra Yazar, Veysel Yılmaz
- PA4745 Is bronchoscopy still a useful test in patients presenting with haemoptysis, with a normal CT scan?**  
Hannah Carlin (Necastle-upon-Tyne, United Kingdom), Simon Doe
- PA4746 Respiratory complications in acute traumatic spinal cord injury**  
Julia Sampol Sirvent (BARCELONA, Spain), Mercedes Pallero Castillo, M. Antonia Ramon Belmonte, David Clofent Alarcón, Sergi Martí Beltran, Esther Rodríguez González, Patricia Launois Obregon, Alba Gómez Garrido, Miguel Ángel González-Viejo, Jaume Ferrer Sancho
- PA4747 Pneumothorax in patients with Langerhans cell histiocytosis**  
Elbieta Radzikowska (Warszawa, Poland), Katarzyna Basińska-Przerwa, Elbieta Wiatr, Renata Langfort, Kazimierz Roszkowski-Łi
- PA4748 Validity and reliability of grade scoring in exercise-induced laryngeal obstruction**  
Emil S. Walsted (Frederiksberg, Denmark), James H. Hull, Jeppe Hvedstrup, Robert C. Maat, Vibeke Backer
- PA4749 Pancreatitis panniculitis and polyarthritis (PPP) syndrome with Pancreaticopleural fistula: Case Report**  
Vorawut Thanthitaweevat (Bangkok, Thailand), Amornpun Wongkarnjana, Naricha Chirakalwasan
- PA4750 Lung attacks in the ED: measurements to predict outcome. The AWARD study.**  
Richard Russell (Lymington, United Kingdom), MONA BAFADHEL, IAN PAVORD, CATHERINE BORG, CLARE CONNELLY, BEER SALLY

Blue 1 (North)

Session 535

08:30 - 10:30

**Poster Discussion: Monitoring asthma control**

Chairs : Andras Bikov (Budapest, Hungary), Fco.De Borja Garcia-Cosio Piqueras (Palma de Mallorca, Spain)

- PA4752 A study to assess airway remodelling and the utility of low dose CT scoring to evaluate the asthmatic airway.**  
Eoin Hunt (Cork, Ireland), Karl James, Chris Ward, Stephen Power, Ashley Sullivan, Joe Eustace, Paul O'Byrne, Barry Plant, Michael Maher, John MacSharry, Desmond Murphy
- PA4753 An 12-week, Randomised, Parallel-group, Phase III Study comparing the Efficacy of Once-daily Formoterol/Budesonide Turbuhaler 4.5/160 µg and Twice-daily Budesonide Singhaler 200 µg During Step-down in Well Controlled Asthma**  
Narongwit Nakwan (Songkhla, Thailand), Thitima Perkleang, Thanida Tamsawai, Pattarawadee Taptawee
- PA4754 Time to move away from peak flows in severe asthma? A symptom based score that predicts exacerbations.**  
Daniel Neville (Portsmouth, United Kingdom), Jonathan Owen, Thomas Jones, Thomas P Brown, Anoop J Chauhan, Sumita Kerley
- PA4755 Exhaled nitric oxide and blood eosinophilia: biomarkers of different adult asthma phenotypes**  
Hanneke Coumou (Amsterdam, Netherlands), Guus Westerhof, Selma de Nijs, Elisabeth Bel
- PA4756 An improved bronchial provocation test with dry powder adenosine instead of nebulised adenosine monophosphate (AMP)**  
Anne J. Lexmond (Groningen, Netherlands), Ilse Boudewijn, Paul Hagedoorn, Siebrig Schokker, Claire Cox, Judith Vonk, Nick ten Hacken, Henderik Frijlink, Anne de Boer, Sebastiaan Vroegop, Dirkje Postma, Maarten van den Berge
- PA4757 Benefit of inhaled corticosteroids (ICS) in asthmatic patients with bronchial hyperresponsiveness (BHR) to mannitol and low fractional exhaled nitric oxide (FeNO) levels**  
Clair D. Lake (Camperdown, NSW, Australia), Keith K.H. Wong, John D. Brannan
- PA4758 Point-of-care blood eosinophils count in a severe asthma clinic setting**  
Enrico Marco Heffler (Torino, To, Italy), Giovanni Terranova, Carlo Chessari, Valentina Frazzetto, Giuseppe Picardi, Silvia Fichera, Nunzio Crimi
- PA4759 Factors associated with poor asthma control in the year prior to students' first year at university**  
Hassan Burhan (Liverpool, United Kingdom), Jeehan Saleh, Lowri Evans, Helen Rigg, Nadja Van Ginnekin, Ian Sinha, Gareth Jones, Diane Exley, Theresa Nuttall
- PA4760 Concordance between Asthma Control Test and the revised GINA criteria of asthma control**  
Konrad Schultz (Bad Reichenhall, Germany), Michael Wittmann, Rupert Wagner, Danijel Jelusic, Hildegard Seidl, Dennis Nowak, Hermann Faller, Michael Schuler

- PA4761 Predictors of response to therapy with omalizumab in patients with severe allergic asthma—a real life study**  
Maria Kallieri (Aspropyrgos, Greece), Andriana Papaioannou, Evgenia Papathanasiou, Polyxeni Donsi, Spyridon Papiris, Stelios Loukides
- PA4762 Molecular characterization of severe allergic asthma patients via exhaled breath volatile organic compounds (Ege University Translational Pulmonology Research Group [EgeTPRG])**  
Ozlem Goksel (Izmir, Bornova, Turkey), Levent PELIT, Fusun PELIT, Burak ORDIN, Arif GURSOY, Durmus OZDEMIR, Nil ERTAS, Tuncay GOKSEL
- PA4763 Cluster analysis of severe life-threatening asthma: identification of a distinct phenotype characterized by high serum eosinophils**  
Priscilla Pui Kheng Lau (Singapore, Singapore), Anthony Chau Ang Yui, Adrian Kwok Wai Chan, Rehena Ganguly, Anantham Devanand, Mariko Siyue Koh
- PA4764 Migration status as a risk factor for adult-onset asthma**  
Reim Aarab (Amsterdam, Netherlands), Susanne Vijverberg, Maria Prins, Marieke Snijder, Ronald van Ree, Anke-Hilse Maitland-Van der Zee, Elisabeth Bel, Wytse Fokkens
- PA4765 Predictors of sputum and BAL eosinophilia in the Wessex Severe Asthma Cohort**  
Thomas Jones (Portsmouth, United Kingdom), Thomas Brown, Scott Elliott, Clair Barber, Kerry Gove, Laurie Lau, Hitasha Rupani, Anoop Chauhan, Peter Howarth, Junya Ono, Kenji Izuhara
- PA4766 Multiple breath nitrogen washout test and methacholine challenge test in clinical suspicion of asthma.**  
A.S. Siebeneichler (PORTO ALEGRE/RS, Brazil), S. Nylas, D. Schumann, M. Tamm, P. Latzin, D. Stolz
- PA4767 IL-33 mRNA in induced sputum cells from allergic rhinitis and asthma patients: a marker of Th-2 phenotype status?**  
Amaryllis Haccuria (DROGENBOS, Belgium), Virreira Myrna, Raschaert Johanne, Van Muylem Alain, Michils Alain
- PA4768 Weight-adjusted Intravenous Reslizumab Attenuates Airway Eosinophilia in Severe Asthmatics compared to 100 mg Subcutaneous Mepolizumab**  
Manali Mukherjee (Hamilton, ON, Canada), Fernando Aleman, Melanie Kjarsgaard, Katherine Radford, Nicola LaVigne, Brittany Salter, Roma Sehmi, Parameswaran Nair

## Blue 2 (North)

## Session 536

08:30 - 10:30

## Poster Discussion: Asthma: clinical and epidemiologic characterisation

Tag(s) : Smoking prevention and cessation (HLfL)

Chairs : Torben Sigsgaard (Århus, Denmark), Dennis Nowak (München, Germany)

- PA4769 Specific inhalation challenge testing in consecutive patients with a wide range of occupational agents**  
Vicky Moore (Birmingham, United Kingdom), Sherwood Burge, Alastair Robertson, Gareth Walters
- PA4770 Specificity of specific inhalation challenge with non-standard occupational agents in consecutive patients**  
Vicky Moore (Birmingham, United Kingdom), Sherwood Burge, Alastair Robertson, Gareth Walters
- PA4771 Seasonal dynamics of the quality of life of asthmatics with osmotic airway hyperresponsiveness**  
Juliy M. Perelman (Blagoveshchensk, Amur Oblast, Russian Federation), Natalia L. Perelman
- PA4772 Asthma in military personnel: appropriate diagnosis and treatment allows for continuous deployment.**  
Thomas George Charlton (London, United Kingdom), Josh Davidson, Andrew Buckley, Bethia Bradley, Orhan Orhan, Gary Davies, Alexandra Nanzer
- PA4773 Occupational asthma: are we recognising at risk patients?**  
Paul Ellis (Birmingham, United Kingdom), Gareth Walters
- PA4774 Serial FEV1 measurements: an improved diagnostic tool for occupational asthma?**  
Edward Parkes (Birmingham, United Kingdom), Vicky Moore, Gareth Walters, Alistair Robertson, Sherwood Burge
- PA4775 Association between job title, occupational exposures, and incidence of asthma.**  
Jesper Baelum (Odense C, Denmark), Jesper Baelum, Harald W. Meyer, Esben M. Flachs, Elvira VACLAVIK Bräuner, Jens Peter Bonde, Vivi Schlünssen, Vibeke Backer
- PA4776 The nose-lung interaction in occupational allergic rhinitis and asthma in Tunisian textile industry workers**  
Aissa Sana (Sousse, Tunisia), Maher Maoua, houda Rouis, Sana Guedri, Imen Kacem, Wided Boughattas, Aicha Brahem, Houda Kalboussi, Olfa El Maalel, Souhaïel Chatti, Néjib Mrizak
- PA4777 Job-titles classified into socioeconomic and occupational groups identify subjects with increased risk for respiratory symptoms, independent of occupational exposure**  
Eva Rönmark (Lulea, Sweden), Christian Schyllert, Martin Andersson, Linnea Hedman, Magnus Ekström, Helena Backman, Anne Lindberg

- PA4778 Trends in work sectors and exposures among patients with work-related asthma in the Tunisian central region.**  
Aissa Sana (Sousse, Tunisia), Imene kacem, Maher Maoua, Wided Boughattas, Souhail Chatti, Najib Mrizek
- PA4779 Sensitisation to mouse allergens in contemporary laboratory animal practice**  
Johanna Feary (London, United Kingdom), Jennifer Canizales, Susie Schofield, Bernadette Fitzgerald, Meinir Jones, Paul Cullinan
- PA4780 Laboratory animal workers' exposure to mouse allergen in animal research facilities**  
Johanna Feary (London, United Kingdom), Jennifer Canizales, Meinir Jones, Sean Semple, Susie Schofield, Paul Cullinan
- PA4782 Pesticides exposure in vineyard rural area and asthma in children**  
Chantal Raheison-Semjen (Pessac, France), Murielle Canal-Raffin, Marie Pouquet, Emilie Berteaud, Ghislaine Bouvier, Isabelle Baldi
- PA4783 Respiratory health of children in pesticide applied areas**  
Zafer Hasan Ali Sak ( ANLIURFA, Turkey), erif Kurtulu , Birsen Ocakl , Zehra Nur Töreyn , brahim Bayhan , M. rfan Ye ilnacar, Metin Akgün , Peri Arbak
- PA4784 Respiratory symptoms in adults living in pesticides applied fields**  
Zafer Hasan Ali Sak ( ANLIURFA, Turkey), erif Kurtulu , Birsen Ocakl , Zehra Nur Töreyn , brahim Bayhan , M. rfan Ye ilnacar, Metin Akgün , Peri Arbak
- PA4785 Phthalates trigger respiratory reflexes**  
James A. Bolaji (London, United Kingdom), Sara J Bonvini, Michael A Wortley, John J Adcock, Eric Dubuis, Chris Carlsten, Terry D Tetley, Mark A Birrell, Maria G Belvisi
- PA4786 Pulmonary functions, respiratory complaints and radiographic findings in aluminium foundry workers**  
Cahit Bilgin (SAKARYA, Turkey), Peri Arbak, Elif Nisa Ünü, Ege Güleç Balbay, Öner Balbay, Ali Nihat Annakkaya, Mehmet Akdo an

## Auditorium (South)

## Session 539

10:45 - 12:45

## Symposium: Controversies in community-acquired pneumonia: a pro and con debate

Now is the time to revise what we do for our patients

**Aims :** The aim of this symposium is to give the audience an update on the major challenges in pneumonia. The topics will include the use of macrolides and steroids for treating CAP; when and how *Pseudomonas aeruginosa* and MRSA should be included in the empirical antibiotic therapy; and supportive measurements during acute respiratory failure in CAP.

**Track(s) :** Respiratory infections

**Tag(s) :** Clinical

**Target audience :** Clinician, Emergency medicine doctor, Epidemiologist, Fellow, Junior member, Microbiologist, Patient, Public health official, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Student, Trainee

**Chairs :** Francesco Blasi (Milan, Italy), Martin Witzernath (Berlin, Germany)

10:45	<b>Should steroids be used in community-acquired pneumonia? Pro argument</b> Antoni Torres (Barcelona, Spain)	4799
11:00	<b>Should steroids be used in community-acquired pneumonia? Con argument</b> Grant Waterer (Perth, WA, Australia)	4800
11:15	<b>Should macrolides be given to all patients with community-acquired pneumonia? Pro argument</b> Antonio Anzueto (San Antonio, United States of America)	4797
11:30	<b>Should macrolides be given to all patients with community-acquired pneumonia? Con argument</b> Mark Andrew Woodhead (Manchester, United Kingdom)	4798
11:45	<b>Should lung ultrasound replace chest X-ray in diagnosing pneumonia? Pro argument</b> Daniel Lichtenstein (PARIS, France)	4795
12:00	<b>Should lung ultrasound replace chest X-ray in diagnosing pneumonia? Con argument</b> Gebhard Mathis (Rankweil, Austria)	4796
12:15	<b>Should severe CAP patients receive anti-MRSA coverage? Pro argument</b> Marcos I. Restrepo (San Antonio, United States of America)	4801
12:30	<b>Should severe CAP patients receive anti-MRSA coverage? Con argument</b> Tobias Welte (Hannover, Germany)	4802

## Silver (North)

## Session 540

10:45 - 12:45

## Symposium: Malignant pleural effusion management in 2017: a review of recent RCTs

**Aims :** The goal of this symposium is to educate mainly respiratory physicians in terms of the current management of malignant pleural effusions and the recent advances in management. It will combine members from assemblies 1 (clinical) and 11 (oncology). The faculty contains known leaders in their field who have participated in previous symposia of this nature at other national and international meetings that were well attended and well received. The topics include prognostication when a patient presents with a malignant pleural effusion, with the aim of aiding the appropriate management. Talc pleurodesis methods will be reviewed along with the results of RCTs that compared the effectiveness of talc pleurodesis and indwelling pleural catheter placement. The primary results of the IPC-PLUS trial, which assessed whether combining both techniques improves outcomes, will be described. Finally, the results of the recent MAPS trial in mesothelioma management will be detailed.

**Track(s) :** Chronic airway diseases

**Tag(s) :** Clinical

**Target audience :** Clinician, Fellow, Nurse, Patient, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Student, Thoracic endoscopist, Thoracic surgeon

**Chairs :** Ioannis Kalomenidis (Athens, Greece), Julius P. Janssen (Nijmegen, Netherlands)

10:45	<b>Phenotyping malignant pleural effusions: why?</b> Gary Yc Lee (Perth, WA, Australia)	4803
11:15	<b>TIME for a change in practice: insights from the TIME 1, 2, and 3 trials</b> Najib M. Rahman (Oxford, United Kingdom)	4804
11:45	<b>Malignant pleural effusion management: is combining pleurodesis techniques the way forward? Results of the IPC-PLUS trial.</b> Rahul Bhatnagar (Bristol, United Kingdom)	4805
12:15	<b>Bevacizumab-targeted therapy for malignant pleural mesothelioma</b> Arnaud Scherpereel (Lille, France)	4806

## Bronze (Hall 4)

## Session 541

10:45 - 12:45

## Symposium: From small airways dysfunction to dyspnoea in COPD: from physiology to clinical application

**Aims :** Despite the large body of research on the nature of airway dysfunction in COPD, the relationship between small airways dysfunction and its potential clinical consequences (such as lung hyperinflation and exertional dyspnoea) remains poorly understood. The pharmacological and non-pharmacological approaches that can modify this relationship should be discussed for physiological (lung mechanics and lung hyperinflation) and clinical (dyspnoea and reduced quality of life) reasons.

**Track(s) :** Chronic airway diseases Exercise, rehabilitation and physiology

**Target audience :** Allied health professional, Clinician, Junior member, Lung function technician, Pathologist, Physiologist, Pulmonologist, Radiologist, Researcher, Respiratory physician, Respiratory therapist, Scientist, Trainee

**Chairs :** Samuel Vergès (Grenoble, France), J. Alberto Neder (Kingston, ON, Canada)

10:45	<b>Pathology of small airways dysfunction in COPD</b> James Hogg (Vancouver, BC, Canada)	4807
11:15	<b>Physiology of small airways dysfunction in COPD</b> Sylvia Verbanck (Bruxelles, Belgium)	4808
11:45	<b>Imaging of small airways dysfunction in COPD</b> Sebastien Bommart (Montpellier, France)	4809
12:15	<b>Clinical implications of small airways dysfunction in COPD</b> Denis O'Donnell (Kingston, ON, Canada)	4810

## Beige (South)

## Session 542

10:45 - 12:45

## Symposium: Innovation in diagnosing and monitoring respiratory disease

New technologies will become more and more important for reducing the number of lung patients

**Aims :** This symposium will focus on new technologies that will help to diagnose respiratory disease early. These technologies will help professionals to provide care closer to home.

**Track(s) :** Chronic airway diseases

**Tag(s) :** Clinical

**Target audience :** Allied health professional, Clinician, Epidemiologist, General practitioner, Junior member, Lung function technician, Nurse, Physiologist, Physiotherapist, Pulmonologist, Researcher, Respiratory physician, Respiratory therapist, Scientist

**Chairs :** Heleen Demeyer (Barcelona, Spain), Frans H.C. De Jongh (Enschede, Netherlands)

<b>10:45</b>	<b>Lung volume technologies: a futuristic 3-dimensional method</b> James Dodd (Bristol, United Kingdom)	<b>4811</b>
<b>11:12</b>	<b>Biomarker technologies: 4-dimensional research</b> Peter J. Sterk (Amsterdam, Netherlands)	<b>4812</b>
<b>11:39</b>	<b>Tele-health technologies</b> Kay Boycott (LONDON, United Kingdom)	<b>4813</b>
<b>12:06</b>	<b>Patient testimonial</b> Annette Brons (Amsterdam, Netherlands)	<b>4814</b>
<b>12:18</b>	<b>Wearable technologies</b> Fabio Pitta (Londrina, Brazil)	<b>4815</b>

## Black (North) Session 543 10:45 - 12:45

### Symposium: Omics in paediatric asthma and beyond

#### New insights in paediatric asthma

**Aims :** After this presentation, the audience will have state-of-the-art knowledge on the genetics, epigenetics, metabolomics, and microbiome in paediatric asthma and will know what systems biology can offer individual children with asthma.

**Track(s) :** Chronic airway diseases

**Tag(s) :** Paediatric

**Target audience :** Clinician, Fellow, Junior member, Microbiologist, Paediatrician, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Trainee

**Chairs :** Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Erik Melén (Stockholm, Sweden)

<b>10:45</b>	<b>New genetics and epigenetics insights in paediatric asthma</b> Victor Ortega (Winston-Salem, United States of America)	<b>4816</b>
<b>11:15</b>	<b>Metabolomics in paediatric asthma: all in one breath?</b> Silvia Carraro (Padova, PD, Italy)	<b>4817</b>
<b>11:45</b>	<b>The microbiome: a marker or driver of paediatric asthma?</b> Erika von Mutius (Munich, Germany)	<b>4818</b>
<b>12:15</b>	<b>Systems biology: bringing paediatric and adult asthma together</b> Jean Bousquet (Montpellier, France)	<b>4819</b>

## Purple (North) Session 544 10:45 - 12:45

### Year in review: Pulmonary emergencies year in review

**Aims :** This symposium will review important papers published in the field of pulmonary emergencies in the last year. In particular papers with high clinical impact will be discussed.

**Track(s) :** Interstitial lung disease and vascular disease Acute and chronic respiratory failure/sleep

**Tag(s) :** Clinical, Paediatric

**Target audience :** Allied health professional, Anaesthesiologist, Cardiologist, Clinician, Emergency medicine doctor, Fellow, Junior member, General practitioner, Intensivist/critical care physician, Neonatologist, Nurse, Paediatrician, Patient, Pharmaceutical industry representative, Physiologist, Physiotherapist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, Trainee

**Chairs :** Leo M.A. Heunks (Amsterdam, Netherlands), Arschang Valipour (Wien, Austria)

<b>10:45</b>	<b>Acute management of pulmonary embolism</b> Olivier Sanchez (Paris, France)	<b>4820</b>
<b>11:10</b>	<b>Acute hypoxemic failure in adults</b> Paolo Navalesi (Milan, Italy)	<b>4821</b>
<b>11:35</b>	<b>Acute hypoxemic failure in children</b> Robert Ross-Russell (Cambridge, United Kingdom)	<b>4822</b>
<b>12:00</b>	<b>Diffuse parenchymal lung diseases presenting with acute hypoxemic failure</b> Sylvia A. Quadrelli (Ciudad Autónoma Buenos Aires, Argentina)	<b>4823</b>

## Red (North)

## Session 545

10:45 - 12:45

## Oral Presentation: Smoking and molecular findings

Tag(s) : Smoking prevention and cessation (HLfL)

Chairs : Ian M. Adcock (London, United Kingdom), Hiroo Wada (Tokyo, Japan)

**OA4824 Urinal expression profile of miRNAs after smoking cessation in healthy subjects: a pilot study**  
Zdenka Navratilova (Olomouc , Czech Republic), Zdenka Navrátilová, Alzbeta Chabronova, Stanislav Losse, Vitezslav Kolek, Martin Petrek

**OA4825 The change of heat shock protein in tobacco users and clinical and laboratory characteristics as markers to evaluate the pathophysiological process promoted by cigarette**  
Thyego Mychell Moreira Santos (BOTUCATU/SP, Brazil), Irma Godoy, João Paulo Castro Marcondes, Suzana Erico Tanni Minamoto, Thais Garcia, Ilda Godoy

**OA4827 Comparison of the immune response in a mouse model of whole body and nose-only cigarette smoke-exposure**  
Jef Serré (Leuven, Belgium), Jef Serré, Tom Tanjeko Ajimé, Carolien Mathysen, Tobias Heigl, Karen Maes, Bart Vanaudenaerde, Wim Janssens, Ghislaine Gayan-Ramirez

**OA4828 Inflammation of airways and results of 6-MWT at smokers with bronchial asthma.**  
Anna Yurievna Smirnova (Ulyanovsk, Russian Federation), Valerii Victorovich Gnoevikh, Julia Anatolievna Shorohova

**OA4829 Resistive breathing aggravates cigarette smoke-induced pulmonary inflammation.**  
Eleftheria Mizi (ATHENS, Greece), Dimitrios Toumpanakis, Athanasia Chatzianastasiou, Vyronia Vassilakopoulou, Constantinos Glynos, Theodoros Vassilakopoulos

## Space 1 + 2 (South)

## Session 546

10:45 - 12:45

## Oral Presentation: Towards new anti-inflammatory and anti-fibrotic agents

Chairs : Paul Kirkham (Wolverhampton, United Kingdom), Nelly Frossard (Illkirch, France)

**OA4830 Late Breaking Abstract - Blood eosinophils in inhaled steroid dose titration**  
Sunny Jabbal (Dundee, United Kingdom), Brian Lipworth

**OA4831 Effects of CHF6297, a potent and selective p38 MAPK inhibitor, in murine models of steroid resistant lung inflammation**  
Cataldo Martucci (PARMA, PR, Italy), Daniela Miglietta, Veronica Puviani, Andrew Dennis Allen, Chiara Carnini, Riccardo Patacchini, Fabrizio Facchinetti, Maurizio Civelli, Gino Villetti, Alice Pappani

**OA4832 Effects of phosphodiesterase inhibitors on the lung functions in a saline lavage-induced model of acute lung injury**  
Petra Kosutova (Martin, Slovakia), Pavol Mikolka, Maroš Kolomazník, Andrea Šalkovská, Daniela Mokrá

**OA4833 Roflumilast N- oxide combined with sildenafil reverses cellular remodeling on IPF models**  
Sonia Contreras (VALENCIA, Spain), Pilar Ribera, Anselm Morell, Adela Serrano, Javier Milara, Javier Milara

**OA4834 Modulation of pro-inflammatory and anti-viral responses in BEAS2B cells by glucocorticoid agonists**  
Andrea Marcellini (FERRARA, Italy), Dawid Swieboda, Anabel Guedán, Alberto Papi, Sebastian L Johnston, Roberto Solari

**OA4835 Imatinib-loaded gold nanoparticles ameliorate experimental lung fibrosis induced by bleomycin**  
Emanuela Cova (Pavia, Italy), Davide Piloni, Veronica Codullo, Simona Inghilleri, Silvia Breda, Davide Prosperi, Miriam Colombo, Carlomaurizio Montecucco, Jörg H.W. Distler, Federica Meloni

**OA4836 Evaluation of a selective 5-hydroxytryptamine 2B receptor antagonist designed to alter the fibrotic process**  
Christina Wenglén (Lund, Sweden), Lars Pettersson, Helena Arozenius, Gunilla Ekstrom

**OA4837 Assessing the synergistic effect of the enhancer compound HT61 on Tobramycin activity in a murine model of pulmonary infection**  
Blaze O'Shaughnessy (London, United Kingdom), Blaze O'Shaughnessy, Richard Amison, Anthony Coates, Clive Page

## Space 3 + 4 (South)

## Session 547

10:45 - 12:45

## Oral Presentation: Phenotyping obstructive sleep apnoea

Chairs : Dirk A.A. Pevernagie (Heeze, Netherlands), Konrad E. Bloch (Zurich, Switzerland)

**OA4838 Sleep apnea as a cause of sleep misperception in elderly insomnia patients**  
Chaiane Facco Piccin (Porto Alegre, Brazil), Kelly Silveira da Silva Bueno, Emerson Ferreira Martins, Renata Schenkel Kaminski, Roberto Pacheco da Silva, Márcia Kraide Fischer, Murilo Ricardo Zibetti, Jhoana Uribe Ramos, Paula Garcia Oliveira, Juliana Neves Giordani, Bruno de Brito Lopes, Laís da Silva Rodrigues, Letícia Maria Tedesco Silva, Denis Martinez, Carolina Caruccio Montanari



- OA4839 Diagnostic accuracy of questionnaires to sleep apnea in the elderly**  
Chaiane Facco Piccin (Porto Alegre, Brazil), Carolina Caruccio Montanari, Renata Schenkel Kaminski, Emerson Martins, Roberto Pacheco da Silva, Márcia Kraide Fischer, Murilo Ricardo Zibetti, Martina Madalena Pedroso, Micheli Fagundes, Jhoana Uribe Ramos, Juliana Neves Giordani, Kelly Silveira da Silva Bueno, Bruno de Brito Lopes, Leticia Maria Tedesco Silva, Laís da Silva Rodrigues, Juliana Langendorf Costa, Cintia Zappe Fiori, Denis Martinez, Paula Garcia Oliveira
- OA4840 Arterial stiffness and obstructive sleep apnea in the elderly - the PROOF cohort study**  
Frederic Roche (Saint Etienne, France), David Hupin, Sandrine Millasseau, Jean Claude Barthelemy, Emilia Sforza
- OA4841 Sleep-disordered breathing and pregnancy-induced hypertension in women with and those without obesity**  
Midori Ura (Matsumoto, Japan), Keisaku Fujimoto
- OA4842 Pulmonary functions and sleep related breathing disorders in lipid storage disease**  
Zuleyha Bingol (Istanbul, Turkey), Züleyha Kaya Bingöl, Gulseren Sagcan, Hacer Durmus Tekce, Piraye Serdaroglu, Esen Kiyani
- OA4843 Association between COPD and OSA: impact on cardiorespiratory dynamics during sleep**  
Renata Trimer (Sao Carlos/Sp, Brazil), Ramona Cabiddu, Renata Gonçalves Mendes, Fernando Souza Melo Costa, Antônio Delfino Oliveira Júnior, Anna Maria Bianchi, Audrey Borghi-Silva
- OA4844 Evaluation of sleep architecture in patients recovering from critical care illness (CCI)**  
Brijesh Prajapat (Rohtak (Haryana), India), Dhruva Chaudhry, A S Sandhya

Pink (South)

Session 548

10:45 - 12:45

Oral Presentation: New immune markers for asthma and COPD

Chairs : Apostolos Bossios (Stockholm, Sweden), Hans Jürgen Heinrich Hoffmann (Århus, Denmark)

- OA4845 Platelets roll and adhere to the vascular bed in response to allergen challenge in allergic mice.**  
Sajeel Shah (London, United Kingdom), Yanira Riffo Vasquez, Clive Page, Simon Pitchford
- OA4846 Late Breaking Abstract - IL-36 receptor agonists contribute to a pro-inflammatory milieu in smokers with and without COPD**  
Melissa Kovach (Ann Arbor, United States of America), Bettina Levanen, Anders Andersson, Helga Asgeirsdottir, Medea Prada, Sara Linden, Ingemar Qvarfordt, Theodore Standiford, Anders Linden
- OA4847 Asthma phenotyping through CD26, CD126 and LRRC32 biomarkers: a prospective study.**  
Juan-José Nieto-Fontarigo (SANTIAGO DE COMPOSTELA, Spain), Francisco Javier Gonzalez Barcala, Maria Jesus Cruz, Luis Valdes Cuadrado, Maria Esther San Jose Capilla, Ana Faraldo Garcia, Miguel Angel Garcia Gonzalez, El Bahi Takkouche Souilamas, Pilar Arias Crespo, Montserrat Nogueira Alvarez, Francisco Javier Salgado Castro, Jose Martin Carreira Villamor
- OA4848 Distinct Tryptase and CPA3-positive Basophil Phenotypes in Healthy Individuals, Asthma, and COPD**  
Premkumar Siddhuraj (Lund, Sweden), Michiko Mori, Leif Bjermer, Jonas Erjefält
- OA4850 NTPDase activity in circulatory eosinophils from patients with allergic asthma**  
Jose de Jesus Martinez-Zuñiga (D.F., Mexico), Jose de Jesus Martinez Zuñiga, Ramces Falfan-Valencia, Enrique Ambrocio-Ortiz, Rafael Hernandez-Zenteno, Fernando Flores, Jaime Chavez
- OA4851 Regulation of tracheal parasympathetic nerve ganglia development by eosinophils**  
Alexandra Pincus (Portland, United States of America), Matthew Drake, Allison Fryer, Nancy Lee, James Lee, David Jacoby, Katie Lebold

Brown 1 + 2 (South)

Session 549

10:45 - 12:45

Oral Presentation: Treatment of multi-drug-resistant tuberculosis (MDRTB): where are we now?

Chairs : Simon Tiberi (London, United Kingdom), Graham H. Bothamley (London, United Kingdom)

- OA4852 Bedaquiline (BQ)-containing regimen at the programmatic level for MDR-TB: preliminary results**  
Sergejj Evgenievich Borisov (Moscow, Russian Federation), Keertan Dheda, Martin Enwerem, Rodolfo Romero Leyet, Lia D'Ambrosio, Rosella Centis, Giovanni Sotgiu, Simon Tiberi, Jan-Willem Alffenaar, Andrey Maryandyshev, Evgeny Belilowski, Shashank Ganatra, Alena Skrahina, Onno Akkerman, Alena Aleksa, Rohit Amale, Janina Artsukevich, Judith Bruchfeld, Jose A. Caminero, Isabel Carpena Martinez, Luigi Codecasa, Margareth Dalcolmo, Justin Denholm, Paul Douglas, Raquel Duarte, Aliasgar Esmail, Mohammed Fadul, Alex Filippov, Lina Davies Forsman, Mina Gaga, Julia- Amaranta Garcia-Fuertes, Jose Maria Garcia-Garcia, Gina Gualano, Jerker Jonsson, Heinke Kunst, Jillian S. Lau, Barbara Lazaro Mastrapa, Jorge Lazaro Teran Troya, Selene Manga, Katerina Manika, Pablo González Montaner, Jai Mullerpattan, Suzette Oelofse, Martina Orтели, Domingo Juan Palmero, Fabrizio Palmieri, Antonella Papalia, Apostolos Papavasileiou, Marie-Christine Payen, Emanuele Pontali, Carlos Robalo Cordeiro, Tsetan Dorji Sadutshang, Tatsiana Sanukevich, Varvara Solodovnikova, Antonio Spanevello, Sonam Topgyal, Federica Toscanini, Adrian Tramontana, Zarir Farokh Udwardia, Pietro Viggiani, Veronica White, Alimuddin Zumla, Giovanni Battista Migliori

- OA4853** **New and repurposed TB drugs use in children and adolescents with M/XDR-TB**  
Alena Skrahina (Minsk region, Belarus), Dzmitry Klimuk, Irina Babchenok, Varvara Solodovnikova, Aliaksandr Skrahin, Henadz Hurevich
- OA4854** **Eligibility for WHO shorter MDR treatment regimen among foreign-born MDR PTB patients in Singapore**  
Cynthia Chee (Singapore, Singapore), Kyi Win KhinMar, Li Hwei Sng, Roland Jureen, Jeffery Cutter, Vernon Lee, Yee Tang Wang
- OA4855** **High rates of resistance to second line drugs are routinely encountered in Mumbai, India for XDR-TB; highlighting the need for new agents.**  
Radhika Banka (MUMBAI (MAHARASHTRA), India), Jai Mullerpattan, Shashank Ganatra, Zarir Udawadia, Camilla Rodrigues, Ajay Parmar, Archana Khillari
- OA4856** **The efficacy, safety and tolerability of the short 12-month MDR-TB regimen in Ukraine at the expense of using intravenous administration of anti-tuberculosis drugs during intensive phase**  
Nataliia Lytvynenko (Kyiv, Ukraine), Mykola Gumenuk, Hanna Varytska, Oksana Chobotar, Nataliia Grankina
- OA4857** **The effect of resection surgery on long-term treatment outcomes of patients with MDR/XDR-TB**  
Yana Batyrshina (Novosibirsk, Russian Federation)
- OA4858** **Thoracic surgery may improve outcome for bilateral cavitary multidrug- and extensively drug-resistant TB**  
Kirill Vladimirov (St Petersburg, Russian Federation), Galina Marfina, Grigorii Kudriashov, Anna Starshinova, Evgenii Sokolovich, Pyotr Yablonskii, Armen Avetisian

## Yellow (North)

## Session 550

10:45 - 12:45

Oral Presentation: Lung cancer: latest basic research on molecular alterations, tumour-immune system-microenvironment interplay and the metabolome

Chairs : Sam Janes (London, United Kingdom), Giulia Maria Stella (Pavia, Italy)

- OA4859** **LSC - 2017 - Reprogramming Of Tumor Associated Macrophages By Modulating Wnt/ $\beta$ -catenin Signalling In Lung Cancer.**  
Poonam Sarode (Bad Nauheim, Germany), Xiang Zheng, Andreas Weigert, Alexandra Tretyn, Soni Savai Pullamsetti, Werner Seeger, Rajkumar Savai
- OA4860** **Interplaying between Gamma-H2AX and autophagy in A549 cells treated with cisplatin and etoposide**  
Jong Wook Shin (Seoul, Republic of Korea), Sang-Eun Lee, In Won Park
- OA4861** **LSC - 2017 - CREB signaling in KRAS-driven lung adenocarcinoma**  
Georgia Giotopoulou (Patra, Greece), Anthi Krontira, Nikolitsa Spiropoulou, Evanthia Tourkochristou, Nikolaos Kanellakis, Ioannis Lilis, Antonia Marazioti, Magda Spella, Georgios Stathopoulos
- OA4862** **Fusion transcripts in lung cancer**  
Florent Baty (St. Gallen, Switzerland), Martin Brutsche
- OA4863** **Cytotoxic T cell antigen 4 and the status of T cell activation in lung cancer: local vs. systemic immune response.**  
Iwona Kwiecie (Warszawa, Poland), Tomasz Skirecki, Ma gorzata Polubiec-Kownacka, Dariusz Dziedzic, Joanna Domaga a-Kulawik
- OA4864** **The influence of conventional and targeted chemotherapy on the expression of stem cell markers in lung cancer cell lines**  
Armin Frille (Leipzig, Germany), Hartmut Kuhn, Hans-Juergen Seyfarth, Hubert Wirtz
- OA4865** **High CO<sub>2</sub> tumor microenvironment confers chemoresistance in lung cancer cells.**  
Ryota Kikuchi (Tokyo, Japan), Takao Tsuji, Yuki Iwai, Hiroyuki Nakamura, Kazutetsu Aoshiba
- OA4866** **Comparative metabolomic study of lung cancer based on serum, urine and bronchoalveolar lavage fluid.**  
Byron Enrique Urizar Catalan (Huelva, Spain), Victoria Ignacio Barrios, Belén Callejón Leblic, Tamara García Barrera, Pilar Muñoz Zara, Jesús Grávalos Guzmán, José Luis Gómez Ariza, Antonio Pereira Vega

## Brown 3 (South)

## Session 551

10:45 - 12:45

Oral Presentation: Innovation in pulmonary rehabilitation and chronic care

Chairs : Thierry Troosters (Leuven, Belgium), Nicolino Ambrosino (Livorno, Italy)

- OA4867** **Oxygen supplementation does not provide greater training benefits in COPD than medical air: a RCT**  
Jennifer Alison (Killara, Australia), Zoe McKeough, Sue Jenkins, Anne Holland, Kylie Hill, Norman Morris, Regina Leung, Lissa Spencer, Catherine Hill, Annemarie Lee, Helen Seale, Nola Cecins, Christine McDonald

- OA4868 Late Breaking Abstract - Automated coaching for physical activity in COPD patients: results from a pilot study**  
Rita Priori (Cambridge, United Kingdom), Lenneke Van Genugten, Chevone Barretto, Helen Schonenberg, Wim Stut, Barbara Miller, Mareike Klee, Elaine Swart, Privender Saini, Marian Dekker
- OA4869 Retinal image analysis in patients with COPD**  
Anouk Vaes (Horn, Netherlands), Martijn Spruit, Emiel Wouters, Jan Theunis, Patrick De Boever, Arnout Standaert, Bart Elen
- OA4870 Accuracy of the Adaptive Computerized COPD Exacerbation Self-management Support (ACCESS) application to support patients' exacerbation self-management. Preliminary results**  
Lonneke Boer (Nijmegen, Netherlands), Erik Bischoff, Nathalie van Kuijk, Maarten van der Heijden, Peter Lucas, Jan Vercoulen, Tjard Schermer
- OA4871 Central hemodynamic and local muscle oxygenation responses during interval and continuous exercise in COPD.**  
Zafeiris Louvaris (Leuven, Belgium), Nikolaos Chynkiamis, Nikolaos Anastasopoulos, Zoe Mavrofrida, Stavroula Spetsioti, Andreas Asimakos, Spyros Zakynthinos, Ioannis Vogiatzis
- OA4872 Desaturation induced by exercise in patients with bronchiectasis: field-based tests versus laboratory-based tests**  
Rejane Agnelo Silva De Castro (SÃO PAULO/SP, Brazil), Cristiane Helga Yamane de Oliveira, Anderson Alves de Camargo, Rodrigo Abensur Athanazio, Rebeca Macedo Rodrigues, Thiago Cristiano Oliveira Carvalho, Cristiane Santos de Oliveira, Samia Zahi Rached, Rafael Stelmach, Simone Dal Corso
- OA4873 Long term high flow heated oxygen treatment in COPD – lung function and physical ability**  
Ulla Weinreich (Ålborg, Denmark), Line Storgaard, Hans Hockey
- OA4874 Oxygen and ventilation during exercise in hyperinflated desaturating COPD patients**  
Maud Koopman (Maastricht, Netherlands), F M E Franssen, J Delbressine, E F Wouters, D Mathew, T J Vink, L E G W Vanfleteren, M A Spruit

Amber 1 + 2 (South)

Session 552

10:45 - 12:45

**Poster Discussion: Idiopathic pulmonary fibrosis: from the bench to the bedside****Chairs :** Michael Kreuter (Heidelberg, Germany), Elisabeth Bendstrup (Vejle, Denmark)

- PA4875 Fatigue in patients with idiopathic pulmonary fibrosis (IPF) from the pooled pirfenidone (PFD) Phase III trials**  
Ulrich Costabel (Essen, Germany), Carlo Albera, Marlies S. Wijsenbeek, Joao A. de Andrade, Wendi R. Mason, Steven D. Nathan, Joseph D. Zibrak, Maria L. Padilla, Frank Gilberg, Ute Petzinger, Klaus-Uwe Kirchgaessler, Lisa H. Lancaster
- PA4876 Treatment with nintedanib in patients with pleuroparenchymal fibroelastosis**  
Mouhamad Nasser (Bron, France), Nader Chebib, Francois Philit, Agathe Senechal, Julie Traclet, Virginie Zarza, Vincent Cottin
- PA4877 Clinical application of the COPD assessment test (CAT) in patients with idiopathic pulmonary fibrosis**  
Saher Burhan Shaker (Rødovre, Denmark), Heidi Kjeldgaard, Hanne Konradsen
- PA4878 Tolerability and safety of anti-fibrotic agents for idiopathic pulmonary fibrosis in real world**  
Chikatoshi Sugimoto (Sakai, Osaka, Japan), Yoshikazu Inoue, Toru Arai, Takehiko Kasai, Masanori Akira, Seiji Hayashi, Kazunobu Tachibana, Yumiko Sasaki, Naoko Takeuchi, Syojiro Minomo, Naoya Ikegami
- PA4879 Tolerability and efficacy of Pirfenidone and Nintedanib for patients with IPF in real world clinical practice**  
K. Suresh Babu (Portsmouth, United Kingdom), Andrew Achaiah, Lee Dexter, Elena Cowan, Vanessa Titmus, Robert Hooper
- PA4880 Does timeliness of diagnosis influence survival and treatment response in idiopathic pulmonary fibrosis? Real-world results from the EMPIRE registry.**  
Martina Vasakova (Prague, Czech Republic), Martina Vašáková, Nesrin Mogulkoc, Martina Šterclová, Beata Zolnowska, Vladimír Bartoš, Martina Pláková, Veronika Müller, Ladislav Lacina, Robert Slivka, Martina Doubková, Marina Roksandi Milenkovic, Radka Bittenglová, Imrich Jonner, Magdalena Martusewicz-Boros, Monika Žurková, Ilona Binková, Ma gorzata Sobiecka, Richard Tyl, Marzena Trzaska-Sobczak, Pawel Sliwinski, Vladimíra Loš áková, Sebastian Majewski, Pavlína Lisá, Katarzyna Lewandowska, Hana Šuldová, Jasna Tekavec-Trkanjec, Amelia Szymanowska-Narloch, Lenka Šišková, Anikó Bohács, Ján Plutinský, Bohumil Matula, Štefan Tóth, František Pet ík, Margita Bu eková, Jana Pšikalová, Miklós Zsiray, Jaroslav Ln ni ka, Vladimír íhák, Zsuzsanna Szalai, Zoltán Balikó, Štefan Laššán, Pavlína Musilová, Imre Lajkó, Tomáš Snížek, Jan Anton, Ji í Homolka, Peter Paluch, Róbert Vyšehradský, Renata Králová, Jan Kervitzer, Daniel Doležal, Maria Szilasi, Jan Kus, Dragana Jovanovic, Marta Hájková, Michal Svoboda, Jana Strenková
- PA4881 Collaborating with stakeholders to advance the National Patient Charter for Idiopathic Pulmonary Fibrosis in Ireland.**  
Nicola Cassidy (Dublin 5, Ireland), Liam Galvin, Gemma O'Dowd, Jim Egan

- PA4882** **An epidemiological study on the effect of age, sex and comorbidities on the clinical course of idiopathic pulmonary fibrosis**  
Antonella Caminati (Milano, MI, Italy), Fabiana Madotto, Sara Conti, Giancarlo Cesana, Sergio Harari
- PA4883** **Clinical experience with Nintedanib for treatment of idiopathic pulmonary fibrosis (IPF) in Spain.**  
Claudia Valenzuela (Alcobendas (Madrid), Spain), maria molina molina, Jose Antonio Rodriguez Portal, ana Romero Ortiz, Esteban Cano, maria jesus Rodriguez Nieto, Rosalia Laporta, Julio Ancochea
- PA4884** **Discrepancy between patient expectations and experiences with anti-fibrotic drugs in idiopathic pulmonary fibrosis**  
Catharina Moor (Rotterdam, Netherlands), Merel L. Kimman, Mirjam J.G. van Manen, Carmen D. Dirksen, Marlies S. Wijssenbeek, F. Xana Van Jaarsveld
- PA4885** **The efficacy of anti-fibrotic agents for acute exacerbation of idiopathic pulmonary fibrosis**  
Yoko Matsumoto (Tokyo, Japan), Ryutarō Furukawa, Sayaka Ohara, Kazuhiro Usui
- PA4886** **Efficacy and safety of pirfenidone in patients with IPF. A single center real-life experience.**  
Argyris Tzouvelekis (Athens, Greece), Theodoros Karampitsakos, Evangelos Bouros, Vasilios Tzilas, Xrisoula Antonou, Nikolaos Koulouris, Demosthenes Bouros
- PA4887** **Tobacco smoking and risk for idiopathic pulmonary fibrosis: a prospective cohort study in UK Biobank**  
Vanesa Bellou (Ioannina, Greece), Lazaros Belbasis, Athanasios Konstantinidis, Evangelos Evangelou
- PA4888** **The programmed death of alveolar lymphocytes is elevated in idiopathic pulmonary fibrosis (IPF). The plausible explanation of well-known bronchoalveolar lavage cytological findings?**  
Piotr Kopinski (Bydgoszcz, Poland), Tomasz Senderek, Ewelina W drowska, Karina Szab owska , Grzegorz Przybylski, Joanna Chorostowska
- PA4889** **Role of MUC1 in idiopathic pulmonary fibrosis: mechanistic insights**  
Beatriz Ballester (Burjassot (Valencia), Spain), Ines Roger, Sonia Contreras, Paula Montero, Javier Milara
- PA4891** **Concomitant medications and efficacy of nintedanib in patients with IPF**  
Michael Kreuter (Heidelberg, Germany), Jin Woo Song, John T. Huggins, Benoit Wallaert, Wibke Stansen, Manuel Quaresma, Bruno Crestani
- PA4892** **FVC decline over 1 year predicts mortality but not subsequent FVC decline in patients with IPF**  
Luca Richeldi (Southampton, United Kingdom), Martin Kolb, Arata Azuma, Wibke Stansen, Manuel Quaresma, Susanne Stowasser, Bruno Crestani

## Amber 3 + 4 (South)

## Session 553

10:45 - 12:45

## Poster Discussion: New insights into pulmonary rehabilitation in patients with chronic lung diseases

Chairs : William Man (Harefield, United Kingdom), Ioannis Vogiatzis (Athens, Greece)

- PA4893** **Do the inflammatory and oxidative basal statuses modulate the functional capacity response after a pulmonary rehabilitation program?**  
Rejane Agnelo Silva De Castro (SÃO PAULO/SP, Brazil), Anderson Alves de Camargo, Rodolfo de Paula Vieira, Kátia De Angelis, Amanda Aparecida de Araujo, Manoel Carneiro Oliveira Junior, Anderson José, Cristiane Santos de Oliveira, Rodrigo Abensur Athanazio, Samia Zahi Rached, Rafael Stelmach, Simone Dal Corso
- PA4894** **Home-based pulmonary rehabilitation reduces admissions for respiratory exacerbations and increases quality of life in MRC 5 group**  
Ismet Boral (LEICESTER, United Kingdom), Helen Jones, Isebel Vorster, Syed-Fayyaz Hussain
- PA4895** **Effectiveness of mesenchymal stem cells in the treatment of patients with chronic obstructive pulmonary disease**  
Larisa Litskevich (Minsk, Belarus), Alexander Skrahin, Natalia Shpacovskaya, Varvara Solodovnicova, Janina Isaikina
- PA4896** **Effectiveness of Home-based Pulmonary Rehabilitation for COPD patients with OSA: overlap syndrome.**  
Luis Vicente Oliveira (Sao Paulo/Sp, Brazil), Julio Oliveira, Anderson Silva, Ana Brunetti, Eduardo Perez, Jessica Urbano, Giuseppe Insalaco, Luciana Sampaio
- PA4897** **Evaluation of aerobic exercise program during hospitalization in quality of life and inflammatory markers after one month of discharge in exacerbated COPD patients**  
Caroline Knaut (BOTUCATU/SP, Brazil), Carolina Bonfanti, Stephania Margotto, Talita Cezare, Robson Prudente, Victor Dourado, Irma Godoy, Suzana Erico Tanni
- PA4898** **Locomotor rehabilitation index: a new parameter for pulmonary rehabilitation**  
Marcelo Coertjens (Porto Alegre, Brazil), Patrícia Chaves Coertjens, Hugo Goulart de Oliveira, Marli Maria Knorst, Leonardo Alexandre Peyré-Tartaruga

- PA4899** **Impact of meeting behavioral targets in a self-management behaviour-modification program designed to improve physical activity in COPD patients**  
Jean Bourbeau (Montreal, Canada), Maria Sedeno, Pei-Zh Li, Thierry Troosters, Alan Hamilton, Dorothy De Sousa, François Maltais, Nancy Leidy, Damijan Erzen, Kim Lavoie
- PA4900** **Asthma rehabilitation at high vs. low altitude: randomized controlled parallel-group trial**  
Stéphanie Saxer (Zürich, Switzerland), Stéphanie Saxer, Simon Schneider, Paula Appenzeller, Patrick Bader, Mona Lichtblau, Michael Furian, Bermet Estebešova, Berik Emilov, Talant Sooronbaev, Konrad Bloch, Silvia Ulrich
- PA4901** **Sonographic evaluation of the diaphragm muscle before and after pulmonary rehabilitation**  
Angelo Longoni (Mariano Comense, Italy), Antonio Paddeu, Dionigi Mangiacasale, Paolo Pozzi, Laura Cattaneo, Mariele Vago, Albino De Marco
- PA4902** **Changes in anxiety and depression after pulmonary rehabilitation in distressed patients with sarcoidosis in ProKaSaRe**  
Daniel Nowik (Hannover, Germany), Konrad Schultz, Heike Buhr-Schinner, Rolf Heitmann, Stefan Hummel, Ulrich Tönnemann, Jochen van der Meyden, Heidrun Lingner
- PA4903** **A pilot project to improve pulmonary rehabilitation adherence and outcomes in the COPD population: Glasgow City's Community Respiratory Team**  
Rosie Meharry (Glasgow, United Kingdom), Gillain McVay, Marianne Milligan, Suzanne Marshall, David Anderson
- PA4904** **Effect of a high intensity life style program on asthma control in obese patients with asthma**  
Yasemin Türk (Rotterdam, Netherlands), Yasemin Türk, Astrid van Huisstede, Gert Jan van der Geijn, Pieter Hiemstra, Christian Taube, Gert Jan Braunstahl
- PA4905** **What defines a COPD patient as a responder to rehabilitation?**  
Mimi Thyregod (Naestved, Denmark), Uffe Bodtger
- PA4906** **Evaluation of sleep quality and daily sleepiness in patients with chronic obstructive pulmonary disease in pulmonary rehabilitation**  
Elie Fiss (Sao Paulo/Sp, Brazil), Leandro Nobeschi, SELMA SQUASSONI, Priscila Cordoni, Rodrigo Raimundo
- PA4907** **Prevalence and determinants of cognitive impairment in COPD patients enrolled for Pulmonary Rehabilitation**  
Vasileios Andrianopoulos (Schönau a. Königssee, Germany), Rainer Gloeckl, Christoph Schneider, Inga Jarosch, Tessa Schneeberger, Ioannis Vogiatzis, Klaus Kenn
- PA4908** **Exercise capacity, physical activity and sedentary levels in over-weight COPD and Non-COPD adults**  
Amy Jones (Derby, United Kingdom), Lauren Sherar, Dale Eslinger, Andrew Kingsnorth, Mark Orme, Mike Morgan, Rachael Evans, Michael Steiner, Sally Singh
- PA4909** **Exercise-induced oxygen desaturation and perceived breathlessness in 6-minute walk test and grocery shelving task in patients with COPD.**  
Emma Walker (Gold Coast, Australia), Corinne French, Anne Sinclair, Menaka Sabaratnam, Amanda Betts, Norm Morris
- PA4910** **Are there differences in response to pulmonary rehabilitation (PR) in idiopathic pulmonary fibrosis (IPF) and COPD patients?**  
Claire M. Nolan (London, United Kingdom), Suhani Patel, Ruth E Barker, Peter M George, Paul Cullinan, Toby M Maher, Matthew M Maddocks, William D-C Man

Amber 5 + 6 (South)

Session 554

10:45 - 12:45

Poster Discussion: Therapeutic approaches in lung disease

Chairs : Sabine Bartel (Borstel, Germany), Mark Gjomarkaj (Palermo, PA, Italy)

- PA4911** **Anti-fibrotic and antioxidant effects of Ailanthus altissima wood aqueous extract against bleomycin-induced lung fibrosis in rat**  
Anouar Abidi (Tunis, Tunisia), Nadhem Aissani, Hichem Sebai, Saloua Ben Khamsa
- PA4912** **CD18-mediated adhesion is required for lung inflammation induced by cell derived microparticles**  
Tommaso Neri (Pisa, PI, Italy), Valentina Scalise, Cristina Balia, Ilaria Passalacqua, Roberto Pedrinelli, Pierluigi Paggiaro, Alessandro Celi
- PA4913** **Kaempferol-induced HO-1 expression attenuated inflammation in human pulmonary alveolar epithelial cells**  
Yi-Wen Chen (Vancouver, BC, Canada), ChuenMao Yang
- PA4914** **Inhibition of CFTR-specific miRNAs in CF bronchial epithelial cells**  
Chiara De Santi (dublin 3, Ireland), Elena Fernandez Fernandez, Catherine Greene

- PA4915 RAGE-dependent VCAM-1 expression in the pulmonary endothelium mediates IL-33 induced asthma pathogenesis**  
Timothy Perkins (Pittsburgh, United States of America), Elizabeth Oczypok, Regina Dutz, Tim Oury
- PA4916 Pharmacological Rescue of Conventional Primary Equine Bronchial Epithelial Cells**  
Getu Abraham (Leipzig, Germany), Janko Engelmann, Johannes Kacza, Jana Bonicelli
- PA4917 TGF- 1-Mediated CTGF Upregulation Through Transactivation of EGFR in Fibrocytes of Chronic Obstructive Asthma**  
Chun-Hua Wang (Taipei, Taiwan), Chih-Ming Weng, Kian Fan Chung, Han-Pin Kuo
- PA4918 Activation of protease-activated receptor 2 elicits epithelial-mesenchymal transition in HBE cells via ROS signaling**  
Xiaoning Zeng (Nanjing, Jiangsu, China), Hao Gu, Ai Ge, Yihang Gu
- PA4919 Phosphoinositide-3-kinase gamma/delta isoform signalling defines a mixed T cell severe asthmatic endotype.**  
Matt Thomas (Gothenburg, Sweden), Karin Bjorhall, Elisabeth Israelsson, Eva LammBergstrom, Jay Horvat, Richard Kim, Rose Maciewicz, Daniel Muthas, Maria Nordberg, Sandra RodrigoBlomqvist, Tiiu Saarne, Carla Winkler, Kostas Karabelas, Ian Adcock, Fan Chung, Philip Hansbro, Anna Malmgren, Matthew Perry
- PA4920 Central role for phosphoinositide-3-kinase gamma/delta dependent signalling in eosinophilic pulmonary inflammation driven by innate lymphoid cells**  
Matt Thomas (Gothenburg, Sweden), Karin Bjorhall, Mia Collins, Elisabeth Israelsson, Nina Krutrok, Eva LammBergstrom, Rose Maciewicz, Daniel Muthas, Maria Nordberg, Matthew Perry, Sandra RodrigoBlomqvist, Tiiu Saarne, Carla Winkler, Kostas Karabelas, Anna Malmgren, Ian Adcock, Fan Chung, Matthias Wymann
- PA4921 Anti-inflammatory role of myeloid-derived suppressor cells in asthma in vivo**  
Saeed Kolahian (Tübingen, Germany), Negar Nowroozi Larki, Hasan Halit Öz, Carolin Schroth, Amir Ali Shahbazfar, Moritz Glück, Bernd Nürnberg, Dominik Hartl
- PA4922 T helper cells subtypes and their cytokine gene expression affected by carvacrol in sensitized mice administered during sensitization period**  
Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Majid Kianmehr, Vahideh Ghorani
- PA4923 MicroRNA profiling of asthmatic bronchial epithelial cells**  
Ming-Ju Tsai (Kaohsiung, Taiwan), Wei-An Chang, Chau-Chyun Sheu, Jen-Yu Hung, Yu-Chen Tsai, Ya-Ling Hsu, Po-Lin Kuo, Inn-Wen Chong
- PA4924 Irisin is associated with clinical outcomes and up-regulated by long-acting anticholinergics in COPD**  
Eleni Papakonstantinou (Thessaloniki, Greece), Michael Roth, Jyotshna Mandal, Qingzhu Sun, Luigi Costa, Lucas Boeck, Andreas Scherr, Janko Rakic, Renaud Louis, Branislava Milenkovic, Wim Boersma, Konstantinos Kostikas, Francesco Blasi, Joachim Aerts, Gernot Rohde, Alicia Lacoma, Antoni Torres, Tobias Welte, Daiana Stolz, Michael Tamm
- PA4925 Insulin acutely potentiates M3 muscarinic receptor function in rat and human airway smooth muscle**  
zhenying Nie (Portland, United States of America), David Jacoby , Allison Fryer
- PA4926 Organophosphorus pesticides increase inflammatory cytokines by activating macrophage Mac-1**  
Becky Proskocil (Portland, United States of America), Pamela Lein, David Jacoby, Allison Fryer
- PA4927 Irisin stimulates the secretion of hyaluronic acid by airway smooth muscle cells from patients with chronic obstructive pulmonary disease**  
Eleni Papakonstantinou (Thessaloniki, Greece), Michael Roth, Lei Fang, Michael Tamm, Daiana Stolz
- PA4928 SIRT 1 and oxidative stress in COPD pathogenesis**  
Carolina Vitale (Frattamaggiore, Italy), Valeria Conti, Angelantonio Maglio, Valentina Manzo, Paola Malangone, Graziamaria Corbi, Roberta Cotugno, Damiano Capaccio, Amelia Filippelli, Alessandro Vatrella

Amber 7 + 8 (South)

Session 555

10:45 - 12:45

Poster Discussion: From the bench: therapeutic approaches in COPD and emphysema

Chairs : Ali Oender Yildirim (Neuherberg, Germany), Maria Rosa Faner Canet (Barcelona, Spain)

- PA4929 ATRvD1 reverts cigarette smoke-induced emphysema by pro-resolutive and antioxidant effects**  
Manuella Lanzetti Daher de Deus (Niteroi/Rj, Brazil), Sara Vergel Posso, Nicolas Quesnot, Marina Valente Barroso, Emanuel Kennedy Feitosa, Felipe Monteiro Vasconcelos, Lycia de Brito Gitirana, Samuel dos Santos Valença
- PA4930 Effect of ultrafine particle matter on human peripheral blood mononuclear cells of chronic obstructive pulmonary disease patients: involvement of the inflammasome.**  
Chiara Colarusso (Ventignano (AV), Italy), Gianluigi De Falco, Michela Terlizzi, Pasquale Imitazione, Mario Commodo, Mariano Sirignano, Andrea D'Anna, Rita P Aquino, Aldo Pinto, Antonio Molino , Rosalinda Sorrentino

- PA4931** **FPS-ZM1-induced blocking of RAGE alleviates elastase-induced emphysema development by preventing RAGE-DAMP-Nrf2 signaling**  
Hanbyeol Lee (Chuncheon, Republic of Korea), Hye-Ryeon Heo, Ji Young Kim, Woo Jin Kim, Seok-Ho Hong, Se-Ran Yang
- PA4932** **Therapeutic effects of human perivascular stem cells in an emphysema mouse model**  
SEOK-HO HONG (Chuncheon, Republic of Korea), Hye-Ryeon Heo, Ji Young Kim, Jeeyoung Kim, Se-Ran Yang, Hanbyeol Lee, Kye-Seong Kim, Woo Jin Kim
- PA4933** **Detection and inhibition of ENaC-activating proteases associated with airway dehydration in COPD**  
Lorraine Martin (Belfast, United Kingdom), James Reihill, Lisa Douglas, Timothy Ferguson, Brian Walker
- PA4934** **Regulatory T cells in COPD development: How the animal model resembles the human pathophysiological features**  
Fernanda Degobbi Tenorio Quirino dos Santos Lopes (, Brazil), Juliana Tiyaki Ito, Daniela Aparecida de Brito Cervilha, Larissa Emidio de França Silva, Juliana Dias Lourenço, Alyne Riani Moreira, Julia Benini Kohler, Elnara Marcia Negri, Mariangela Macchione, Thais Mauad, Milton Arruda Martins
- PA4935** **The protective effects of thymoquinone on lung damage developed by cigarette smoke**  
Nur Aleyna Yetkin (KAYSER , Turkey), Hakan Büyüko lan, Mehmet Fatih Sönmez, Nuri Tutar, Insu Yilmaz, Inci Gulmez
- PA4936** **Different microenvironment stimuli results in distinct patterns of macrophages polarization comparing elastase- and cigarette smoke - induced models of emphysema**  
Julia Benini Kohler (são bernardo do campo, Brazil), Daniela A.B. Cervilha, Juliana T. Ito, Alyne R. Moreira , Fernanda R. Santana, Talita M. Farias , Maria Isabel C. Alonso- Vale , Carla M. Prado , Milton Arruda Martins , Fernanda D.T.Q.S.Lopes, Larissa E. França
- PA4937** **Propolis reverts cigarette smoke-induced emphysema through macrophage alternative activation**  
Manuella Lanzetti Daher de Deus (Niteroi/Rj, Brazil), Marina Barroso, Isabella Cavalieri, Lycia de Brito Gitirana, Alain Fautrel, Vincent Lagente, Martina Schmidt, Luís Cristóvão Porto, Bruna Romana de Souza, Samuel dos Santos Valença

## Blue 1 (North)

## Session 556

10:45 - 12:45

## Poster Discussion: Gene signatures in bronchial diseases

Chairs : Jeanne-Marie Perotin-Collard (Reims, France), Kathy Gately (Dublin 8, Ireland)

- PA4938** **Late Breaking Abstract - The “one airway, one disease” concept at the light of Th2 inflammation**  
Lisa Giovannini-Chami (Nice, France), Agnès Paquet, Céline Sanfiorenzo, Nicolas Pons, Julie Cazareth, Virginie Magnone, Kévin Le Brigand, Benoit Chevalier, Valérie Julia, Sylvie Leroy, Charles-Hugo Marquette, Pascal Barbry, Brice Marcet
- PA4939** **Urinary metabolomics-based molecular sub-phenotyping of the U-BIOPRED asthma cohort**  
Craig Wheelock (Stockholm, Sweden), Shama Naz, Stacey Reinke, Romanas Chaleckis, James Schofield, Paul Skipp, Jeanette Bigler, Matthew Loza, Fred Baribaud, Per Bakke, Massimo Caruso, Pascal Chanez, Stephen Fowler, Kiss Horvath, Norbert Krug, Paolo Montuschi, Marek Sanak, Thomas Sandstrom, Dominick Shaw, Fan Chung, Ratko Djukanovic, Florian Singer, Ana Sousa, Ioannis Pandis, Aruna Bansal, Peter Sterk, Sven-Erik Dahén, , and the U-BIOPRED Study Group
- PA4940** **Distinctive gene signature of allergen-specific CD4+T cells in allergic patients**  
Milena Sokolowska (Davos, Switzerland), Tadech Boonpiyathad, Andrzej Eljaszewicz, Francesc Castro Giner, Fiorella Ruchti, Anna Globinska, Beate Ruckert, Anita Dreher, Urszula Radzikowska, Hideaki Morita, Kirstin Jansen, Arturo Rinaldi, Anna Gschwend, Norbert Meyer, Arthur Helbling, Simona Negoias, Sara-Lynn Hool, Urs Borner, William Kwok, Helga Kahlert, Andreas Nandy, Christoph Willers, Mübeccel Akdis, Cezmi Akdis
- PA4941** **A hypothesis driven approach investigating the interleukin-6 pathway in UBIOPRED severe asthma patients**  
Nil Turan (Stevenage, United Kingdom), Stewart Bates, Matthew Edwards, Dominick E Shaw, Kian Fan Chung, Anna James, Matthew J Loza, Antoon J. Van Oosterhout, - UBIOPRED study group
- PA4942** **Transcriptional factors F??3, ?-Maf, GATA3 and T-bet in different variants of bronchial asthma**  
Anna Eremeeva (ST PETERSBURG, Russian Federation), Lada Sorokina, Valeriy Mineev, Michail Nyoma, Vasiliy Trofimov
- PA4943** **Clustering of patients with bronchial asthma with regard to the genotypes for Bcl1 polymorphism in the glucocorticoid receptor gene**  
Vladyslava Kmyta (Sumy, Ukraine), Lyudmyla Prystupa
- PA4944** **Association between pentanucleotide repeat polymorphism in NOS2 promoter and asthma exacerbations**  
Keita Hirai (Shizuoka, Japan), Toshihiro Shirai, Masayuki Suzuki, Daiki Tsuji, Kazuyuki Inoue, Kunihiko Itoh

- PA4945 The role of glucocorticoid receptor and isoforms in exacerbations of asthma, COPD, and ACOS**  
Vasiliy Belash (St Petersburg, Russian Federation), Zhanna Mironova, Vasiliy Trofimov, Elena Vsevolodskaya, Mikhail Zarski, Aleksey Sazanov, Anna Ulitina, Sofya Pchelina
- PA4946 A metabolite of prostaglandin D<sub>2</sub>, 15-deoxy- $\Delta^2$ ,14-prostaglandin J<sub>2</sub> (15d-PGJ<sub>2</sub>), in exhaled breath condensate (EBC) of asthma patients**  
Juliy M. Perelman (Blagoveshchensk, Amur Oblast, Russian Federation), Eduard V. Nekrasov, Anna G. Prikhodko, Galina A. Makarova
- PA4949 Characterization of cultured primary/metastatic lung cancer cells obtained by percutaneous puncture**  
Alejandra Canas-Arboleda (Bogotá, Cundinamarca, Colombia), Adriana Rojas Moreno, Alejandra Cañas Arboleda, Angelica Herreño, Maria Jose Fernandez, Juan Andres Mejia, Olga Maria Moreno Niño, Laura Rey, Fernando Bustos, Martin Montecino
- PA4950 Expression of Her-2/neu and Bcl-2 in patients with non-small cell lung cancer**  
Biljana Ilievska Poposka (Skopje, FYROM (Macedonia)), Gordana Petrussevska
- PA4951 TRANSCRIPTOMIC PROFILING REVEALS M1-HIGH TUMOUR ASSOCIATED MACROPHAGES THAT ORCHESTRATE THE ADAPTIVE ANTI-TUMOUR RESPONSE IN HUMAN LUNG CANCER**  
Eva Maria Garrido-Martin (Madrid, Spain), Christian Ottensmeier, Pandurangan Vijayanand, Tilman Sanchez-Elsner
- PA4952 p.Leu747Pro mutation leads to misdiagnosis in EGFR mutation assessment – first Caucasian NSCLC patients reported**  
Katarzyna Duk (Warszawa, Poland), Paulina Skrońska, Michał Skroński, Aneta Zdral, Joanna Chorostowska-Wynimko
- PA4953 The allelic frequency for S and Z mutations in the SERPINA1 gene in NSCLC patients from Poland**  
Michał Komorowski (Warszawa, Poland), Adam Szczechciński, Emilia Debek, Katarzyna Duk, Aneta Zdral, Mateusz Florczuk, Piotr Rudziński, Włodzimierz Kupis, Jolanta Zaleska, Renata Langfort, Tadeusz Orłowski, Kazimierz Roszkowski-Sliz, Joanna Chorostowska-Wynimko

## Blue 2 (North)

## Session 557

10:45 - 12:45

## Poster Discussion: What is new in COPD management and prognosis: findings from large studies?

Chairs : Laura Fregonese (London, United Kingdom), Nicolas Kahn (Heidelberg, Germany)

- PA4954 Clinical effect of different pneumococcal vaccination schedules in patients with chronic obstructive pulmonary disease (COPD): long-term follow-up results**  
Andrey Protasov (Samara, Russian Federation), Mikhail Kostinov, Aleksandr Zhestkov
- PA4955 Impact of comorbid bronchiectasis on COPD patients**  
Ahmed Ben Saad (Monastir, Tunisia), Samah Joobeur, Nesrine Fahem, Saoussen Cheikh Mhamed, Hadhami Mribah, Naceur Rouatbi, Ali El Kamel
- PA4956 Population-based analysis of COPD patients in Catalonia: implications for case management**  
Erik Baltaxé (Barcelona, Spain), Josep Roca, Emili Vela, Akos Tenyi, Isaac Cano, David Monterde, Montse Claries, Anna Garcia-Altes, Carme Hernandez, Joan Escarrabill
- PA4957 Validation of the GOLD 2017 classification in predicting exacerbations and mortality in COPD patients**  
Chiung-Zuei Chen (Tainan, Taiwan), Tang-Hsiu Hua, Meng-Zhi Han, Sheng-Han Tsai, Tzuen-Ren Hsiue
- PA4958 Determining SGRQ and TDI responder rates across the duration of clinical trials: Results from tiotropium + olodaterol in COPD**  
Eric Derom (Ghent, Belgium), Henrik Watz, Lars Grönke, Florian Voss, Roland Buhl
- PA4959 Role of non-cystic fibrosis bronchiectasis in hospitalized patients with acute exacerbation of COPD**  
Ernesto Crisafulli (Pavullo (MO), Italy), Mónica Guerrero, Antonella Ielpo, Arturo Huerta, Albert Gabarrús, Néstor Soler, Alfredo Chetta, Antoni Torres
- PA4960 Evaluation of roflumilast in COPD patients in a real-world European setting: results from the PROFILE EU study**  
Claus Vogelmeier (Marburg, Germany), Nikolaos Tzanakis, Stefan Lissan, Eduardo Genofre, Bo Ding, John Horton, Per Bakke
- PA4961 MISSION COPD: A novel model of integrated multidisciplinary COPD care that demonstrates significant reductions in unscheduled health care usage.**  
Eleanor Lanning (Winchester, United Kingdom), Jayne Longstaff, Claire Roberts, Thomas Jones, Daniel Neville, Will Storrar, Ben Green, Thomas Brown, Anoop Chauhan



- PA4962** **Blood eosinophil (EOS) count, exacerbation rate and response to roflumilast in patients with severe COPD**  
Fernando J. Martinez (New York, United States of America), Klaus Rabe, Peter Calverley, Leonardo Fabbri, Sanjay Sethi, Emilio Pizzichini, Andrew McIvor, Antonio Anzueto, Vijay Alagappan, Shahid Siddiqui, Colin Reisner, Debasree Purkayastha, Jonas Roman, Stephen Rennard
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- PA4963** **Carbon monoxide transfer factor (DL,CO), age and gender add to the BODE index to predict survival in COPD patients**  
Eric Marchand (Yvoir, Belgium), Lionel Pirard
- 
- PA4964** **Use of the Daily PROactive instrument to evaluate physical activity in patients with COPD: results from ACTIVATE**  
Judith Garcia Aymerich (Barcelona, Spain), Henrik Watz, Kai M Beeh, Pierluigi Paggiaro, Miguel Moya, Massimo Notari, Diana Jarreta, Esther Garcia Gil, Thierry Troosters
- 
- PA4965** **High CAT score predicts lung parenchymal damage in COPD**  
Ari E. Lindqvist (Helsinki, Finland), M Bajc, J Wang, Y Chen, X Y He
- 
- PA4966** **A real world experience of COPD exacerbations and possible association with Bronchiectasis in a medium size teaching hospital in the northwest of England**  
Himanshu Singh (Preston, United Kingdom), Shahul Khan, Jack Murrell
- 
- PA4967** **Elevated systemic biomarkers and persistent anxiety and depression in smokers with and without COPD: An analysis of the SPIROMICS cohort**  
Victor Kim (Philadelphia, United States of America), Huaqing Zhao, Hilary Armstrong, Wanda O'Neal, Kristina Bailey, Stephen Rennard, R. Graham Barr, Gerard Criner, Gina Lovasi, Mary Morrison
- 
- PA4968** **Using Gold Standard Framework Criteria in COPD: Empowering Patients to make Choices about End of Life Care**  
Sharada Gudur (Preston, United Kingdom), Fiona O'Brien, Ahmed Salem, Imran Hasan, Nazra Hussain, Cath Corcoran, Sarah Emery, Zoe Walker-Frost, Andrew Fletcher, Paul Marsden
- 
- PA4969** **Mortality after an acute exacerbation of COPD (AECOPD): findings from the National COPD Audit Programme**  
Juliana Holzhauser-Barrie (London, United Kingdom), Robert Stone, Derek Lowe, Viktoria McMillan, Muhammad Saleem Khan, Mike Roberts
- 
- PA4970** **What predicts a deterioration of generic and disease-specific health-related quality of life in COPD? First longitudinal results of the COSYCONET cohort**  
Margarethe E. Wacker (Neuherberg, Germany), Rudolf A. Jörres, Holger Schulz, Stefan Karrasch, Armin Koch, Reiner Leidl, Henrik Watz, Claus Vogelmeier, Rolf Holle





<b>World Village Theatre</b>	<b>Session 403</b>	<b>09:00 - 09:30</b>
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Session World Village: Overview on activities of the APSR Team in the Asian Pacific region

**09:30**    **Opening & welcome**  
Kwun Fong (Brisbane, QLD, Australia)

**09:32**    **World Lung Day and the Charter for Lung Health**  
Kwun Fong (Brisbane, QLD, Australia)

**How clean air is essential**  
 - **Philippine College of Chest Physicians, Philippine**  
 - **Viet Nam Respiratory Society, Viet Nam**  
 - **Indonesian Society of Respirology, Indonesia**  
 - **Sri Lanka College of Pulmonologists, Sri Lanka**

**09:37**

Malbar Ferrer (, Philippines), Phan Thu Phuong (Hà Nội, Vietnam), MOHAMAD ARIFIN NAWAS (JAKARTA, Indonesia), Geethal Perera (Rajagiriya, Sri Lanka)

**09:40**    **Introduction of APSR Educational Systems**  
Speaker to be confirmed

**09:45**    **APSR 2017 congress in Sydney (Video & talk)**  
Speaker to be confirmed

**09:55**    **Closing**  
Speaker to be confirmed

<b>World Village Theatre</b>	<b>Session 405</b>	<b>09:45 - 10:15</b>
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Session World Village: Managing a Laboratory Accreditation Program: Learnings from Australia and New Zealand

**09:45**    Bruce Thompson (Melbourne, Australia), Tanya Buchanan (, Australia)

**3351**

<b>World Village Theatre</b>	<b>Session 406</b>	<b>10:30 - 11:00</b>
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Session World Village: Awareness of particular respiratory problems in China

**10:30**    Speaker to be confirmed

<b>World Village Theatre</b>	<b>Session 429</b>	<b>11:15 - 11:45</b>
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Session World Village: Pediatric Pneumology and SIMRI's role in Italy

<b>World Village Theatre</b>	<b>Session</b>	<b>12:00 - 12:30</b>
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Session World Village: Presentation of the Pan African Society and its activities

**12:00**

**12:30**    Joseph Aluoch (Nairobi, Kenya), Heather Joy Zar (Johannesburg, South Africa)

<b>World Village Theatre</b>	<b>Session</b>	<b>12:45 - 13:00</b>
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Session World Village: Asthma UK's new models of patient involvement to speed up innovation and impact for people with asthma

**12:45** Erika Kennington (London, United Kingdom)

<b>World Village Theatre</b>	<b>Session</b>	<b>13:05 - 13:20</b>
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Session World Village: European Federation of Allergy and Airways Diseases Patients' Associations (EFA)

**13:05** Giuseppe De Carlo (BRUXELLES, Belgium)

<b>World Village Theatre</b>	<b>Session</b>	<b>13:30 - 13:45</b>
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Session World Village: Fundación Lovexair

**13:30** Shane Fitch (Madrid, Spain)

<b>World Village Theatre</b>	<b>Session</b>	<b>13:50 - 14:05</b>
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Session World Village: Orphan Disease: How to densify Patient Networking by creating Patient Associations in Europe: the Alpha-1 antitrypsin deficiency

**13:50** Frank Willersinn (BRUXELLES, Belgium)

<b>World Village Theatre</b>	<b>Session 483</b>	<b>14:15 - 14:45</b>
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Session World Village: The Philippines and Lung Health: touring the country and its respiratory landscape

**14:15** Patrick Gerard Moral (Mandaluyong, Philippines), Malbar Ferrer (Iloilo City, Philippines), Lenora Fernandez (Manila, Philippines) **4351**

<b>World Village Theatre</b>	<b>Session</b>	<b>15:00 - 15:30</b>
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Session World Village: Rapid development of respiratory services in Sri Lanka in the past decade

**15:00** Geethal Perera (Rajagiriya, Sri Lanka)

<b>World Village Theatre</b>	<b>Session</b>	<b>15:45 - 16:15</b>
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Session World Village: Mindfulness in respiratory diseases

**15:45** Linda Charvoz (Lausanne, Switzerland)

<b>World Village Theatre</b>	<b>Session</b>	<b>16:00 - 16:15</b>
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Session World Village: Improving IPF referral systems: the EU-IPFF international campaign Listen for the Sounds of IPF

**16:00** (, )

<b>World Village Theatre</b>	<b>Session</b>	<b>16:30 - 16:45</b>
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Session World Village: Smoking cessation of respiratory patients

**16:30**



# INDUSTRY SPONSORED SESSIONS

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# INDUSTRY SPONSORED SESSIONS

**Space 3 + 4 (South) Session 155 13:15 - 14:30****Industry Practical Workshop: Recent Developments in EBUS-TBNA and Peripheral Diagnostics***Organised by OLYMPUS EUROPA SE & CO. KG***Chairs :** Felix J.F. Herth (Heidelberg, Germany), Stefano Gasparini (Ancona, Italy), Ales Rozman (Golnik, Slovenia)

<b>First experiences with the new Olympus EBUS bronchoscope</b> Felix J.F. Herth (Heidelberg, Germany)	<b>1393</b>
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<b>EBUS needles – when to use which needle</b> Stefano Gasparini (Ancona, Italy)	<b>1394</b>
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<b>Deeper into the lung – new peripheral sampling possibilities</b> Ales Rozman (Golnik, Slovenia)	<b>1395</b>
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<b>Learn with the experts: Discover state-of-the-art technological innovations taking you further in EBUS-TBNA and peripheral diagnostics</b>	<b>1396</b>
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**Pink (South) Session 156 13:15 - 14:30****Industry Practical Workshop: HandsOn FeNO & How to Use Nitric Oxide as Biomarker in the Diagnosis and Management of Respiratory Diseases***Organised by CIRCASSIA***Chairs :** Liam Heaney (Belfast, United Kingdom)

<b>13:15 Introduction</b> Liam Heaney (Belfast, United Kingdom)	<b>1397</b>
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<b>13:20 Practical HandsOn FeNO with NIOX VERO®</b>	<b>1398</b>
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<b>14:00 Role of Nasal Nitric Oxide to Diagnose Primary Ciliary Dyskinesia</b> Jane Lucas (Southampton, United Kingdom)	<b>1399</b>
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<b>14:10 Clinical Utility of Fractional Exhaled Nitric Oxide (FeNO) as a Biomarker in Asthma</b> Neal Jain (Phoenix, United States of America)	<b>1400</b>
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<b>14:25 Closing remarks</b> Liam Heaney (Belfast, United Kingdom)	<b>1401</b>
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**Brown 1 + 2 (South) Session 157 13:15 - 14:30****Industry Practical Workshop: Cardiopulmonary Exercise Testing: A versatile tool in clinical diagnostics***Organised by GANSHORN Medizin Electronic GmbH***Chairs :** Piergiuseppe Agostoni (Milan, Italy)**Brown 3 (South) Session 158 13:15 - 14:30****Industry Practical Workshop: Updates on chronic use of Optiflow™ nasal high flow in COPD***Organised by Fisher & Paykel Healthcare SAS***Chairs :** Stefano Nava (Bologna, Italy)

<b>13:15 A role for humidified nasal high flow in chronic COPD care?</b> Gerard J. Criner (Philadelphia, United States of America)	<b>1402</b>
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<b>13:30 Mechanisms of action for nasal high flow in chronic care</b> Lara Pisani (Bologna, Italy)	<b>1403</b>
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<b>13:45 Effect of heated humidified high flow oxygen treatment in COPD and chronic hypoxic failure: results of a 12 month RCT</b> Ulla Weinreich (Ålborg, Denmark)	<b>1404</b>
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<b>14:00 Heated humidified nasal high flow in COPD patients with CRF: results of a 6 week crossover study</b> Kazuma Nagata (Kobe, Japan)	<b>1405</b>
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**Orange 1 (North) Session 159 13:15 - 14:30****Industry Practical Workshop: Flexible and Rigid Bronchoscopy in Adults***Organised by Karl Storz GmbH & Co.KG***Chairs :** Hermann Tonn (Hannover, Germany)

<b>13:15</b>	<b>Presentation about Flexible and Rigid Bronchoscopy in Adults</b>	<b>1406</b>
<b>13:30</b>	<b>Hands-on-Workshop: practical demonstration and training</b>	<b>1407</b>

**Orange 2 (North) Session 160 13:15 - 14:30****Industry Practical Workshop: Target ventilation in life support and NIV setup in COPD***Organised by ResMed***Chairs :** Pierre-Charles Neuzeret (Martinsried, Germany)

<b>13:15</b>	<b>The use of iVAPS and ST.SV in Astral: which solution for which patient?</b> Martin Bachmann (Hamburg, Germany)	<b>1408</b>
<b>13:15</b>	<b>Set up and follow up of a COPD patient with Lumis</b> Michelle Chatwin (London, United Kingdom)	<b>1409</b>

**Orange 3 (North) Session 161 13:15 - 14:30****Industry Practical Workshop: PAP treatment 2.0: innovative technologies and connected care***Organised by ResMed***Chairs :** Raphael Heinzer (LAUSANNE, Switzerland)

<b>13:15</b>	<b>Introduction – Recent patient trends and the rise of mobile health</b> Raphael Heinzer (LAUSANNE, Switzerland)	<b>1410</b>
<b>13:25</b>	<b>Engagement and coaching – new technologies to help patients</b> Sue Lynch (Ashtonfield, Australia)	<b>1411</b>
<b>13:40</b>	<b>Next generation PAP technology – bringing small size, high pressure performance and connected care together</b> Ramón Farré Ventura (Barcelona, Spain)	<b>1412</b>
<b>14:00</b>	<b>Hands on with AirMini</b>	<b>1413</b>

**Bronze (Hall 4) Session 200 17:15 - 19:15****Industry evening symposium: Looking to the future: How can we improve clinical practice in COPD?***Organised by Boehringer Ingelheim Pharma GmbH & Co. KG***Chairs :** Peter M. A. Calverley (Liverpool, United Kingdom), Antonio Anzueto (San Antonio, United States of America)

<b>17:15</b>	<b>Welcome and introduction</b> Peter M. A. Calverley (Liverpool, United Kingdom), Antonio Anzueto (San Antonio, United States of America)	<b>1618</b>
<b>17:25</b>	<b>Advancing care in COPD: Where does the evidence lead us in 2017?</b> Wisla Wedzicha (London, United Kingdom)	<b>1619</b>
<b>17:50</b>	<b>Individualizing care in COPD: The right treatment for the right patient</b> Klaus F. Rabe (Grosshansdorf, Germany)	<b>1620</b>
<b>18:15</b>	<b>Guiding treatment choice in practice: Optimizing outcomes for our patients</b> Christine Jenkins (Mc Mahons Point, Australia)	<b>1621</b>
<b>18:40</b>	<b>Continued innovation in respiratory care: How can we improve treatment for our patients?</b> Peter M. A. Calverley (Liverpool, United Kingdom)	<b>1622</b>
<b>19:05</b>	<b>Summary and close</b> Peter M. A. Calverley (Liverpool, United Kingdom), Antonio Anzueto (San Antonio, United States of America)	<b>1623</b>

**Beige (South)****Session 201****17:15 - 19:15****Industry evening symposium: Early intervention and physical activity: new approaches in COPD***Organised by AstraZeneca & Menarini Group***Chairs :** Alvar Agusti Garcia-Navarro (Barcelona, Spain)

<b>17:15</b>	<b>Chairman's introduction</b> Alvar Agusti Garcia-Navarro (Barcelona, Spain)	<b>1624</b>
<b>17:25</b>	<b>Early intervention in the management of COPD</b> Dave Singh (Manchester, United Kingdom)	<b>1625</b>
<b>17:45</b>	<b>Novel approaches to physical activity in COPD</b> Thierry Troosters (Leuven, Belgium)	<b>1626</b>
<b>18:05</b>	<b>Effect of dual bronchodilators: beyond symptoms and lung function</b> Claus Vogelmeier (Marburg, Germany)	<b>1627</b>
<b>18:25</b>	<b>Latest advances in the treatment of COPD</b> Ian Douglas Pavord (Oxford, United Kingdom)	<b>1628</b>
<b>18:45</b>	<b>Panel discussion and Q&amp;A</b> All	<b>1629</b>
<b>19:10</b>	<b>Chairman's summary and closing remarks</b> Alvar Agusti Garcia-Navarro (Barcelona, Spain)	<b>1630</b>

**Black (North)****Session 202****17:15 - 19:15****Industry evening symposium: Mind the gap: defining effectiveness from populations to everyday practice and patients***Organised by GlaxoSmithKline***Chairs :** Giorgio Walter Canonica (Milan, Italy), David Leather (London, United Kingdom)

<b>17:15</b>	<b>Introduction</b> Giorgio Walter Canonica (Milan, Italy), David Leather (London, United Kingdom)	<b>1631</b>
<b>17:25</b>	<b>Optimising effectiveness in primary care</b> Janwillem W. H. Kocks (Groningen, Netherlands)	<b>1632</b>
<b>17:45</b>	<b>The gap between RTCs and everyday clinical practice</b> David Leather (London, United Kingdom)	<b>1633</b>
<b>18:05</b>	<b>Effectiveness in everyday practice: The Salford Lung Study</b> Ashley Woodcock (Manchester, United Kingdom)	<b>1634</b>
<b>18:25</b>	<b>Making treatment effective for your patients: a personalized approach to asthma treatment</b> Giorgio Walter Canonica (Milan, Italy)	<b>1635</b>
<b>18:45</b>	<b>Helping communications between doctors and patients: a look to the future</b> Dominick Shaw (Nottingham, United Kingdom)	<b>1636</b>
<b>19:05</b>	<b>Panel Q&amp;A and close</b> Giorgio Walter Canonica (Milan, Italy), David Leather (London, United Kingdom)	<b>1637</b>

**Red (North)****Session 203****17:15 - 19:15****Industry evening symposium: From prevention to disease modification: exploring omalizumab in allergic asthma***Organised by Novartis Pharma AG***Chairs :** Roland Buhl (Mainz, Germany)

<b>17:15</b>	<b>Welcome and introduction</b> Roland Buhl (Mainz, Germany)	<b>1638</b>
<b>17:25</b>	<b>Unravelling allergic inflammation: critical pathways of allergic inflammation</b> Oscar Palomares (Madrid, Spain)	<b>1639</b>

17:45	<b>Established data: secondary prevention with omalizumab in severe allergic asthma</b> Andrew Menzies-Gow (London, United Kingdom)	1640
18:10	<b>The potential for disease modification with omalizumab: what are emerging data telling us?</b> Roland Buhl (Mainz, Germany)	1641
18:35	<b>Care pathways for the selection of biologics in severe asthma</b> Jean Bousquet (Montpellier, France)	1642
19:00	<b>Q&amp;A session</b> Roland Buhl (Mainz, Germany), Oscar Palomares (Madrid, Spain), Andrew Menzies-Gow (London, United Kingdom), Jean Bousquet (Montpellier, France)	1643

### Space 3 + 4 (South) Session 204 17:15 - 19:15

#### Industry evening symposium: Disease modification in asthma management

Organised by ALK

Chairs : Eric D. Bateman (Cape Town, South Africa), Victòria Cardona (Barcelona, Spain)

17:15	<b>Welcome and introductions</b> Victòria Cardona (Barcelona, Spain)	1644
17:25	<b>New treatment options for allergic asthma</b> Johann Christian Virchow (Rostock, Germany)	1645
17:50	<b>Disease modification in asthma</b> Graham Roberts (Southampton, United Kingdom)	1646
18:15	<b>Should immunotherapy be considered a separate treatment class for asthma management?</b> Eric D. Bateman (Cape Town, South Africa)	1647
18:40	<b>Questions to the panel</b>	1648

### Pink (South) Session 205 17:15 - 19:15

#### Industry evening symposium: Are we seeing a renaissance of aerosol inhalers in asthma?

Organised by Mundipharma International Ltd

Chairs : Alberto Papi (Ferrara, Italy), David Price (Aberdeen, United Kingdom)

17:15	<b>Welcome</b> Alberto Papi (Ferrara, Italy), David Price (Aberdeen, United Kingdom)	1649
17:20	<b>The landscape of asthma control in Europe</b> Alberto Papi (Ferrara, Italy)	1650
17:30	<b>A modern perspective on aerosols inhalers</b> Omar S. Usmani (London, United Kingdom), Alberto Papi (Ferrara, Italy)	1651
18:05	<b>Painting a real-life picture of aerosol inhalers in clinical practice</b> David Price (Aberdeen, United Kingdom), Alberto Papi (Ferrara, Italy)	1652
18:40	<b>The contemporary art of aerosol inhalers: sculpting the future of asthma management</b> Omar S. Usmani (London, United Kingdom)	1653
18:55	<b>Panel discussion</b>	1654

### Brown 1 + 2 (South) Session 206 17:15 - 19:15

#### Industry evening symposium: Addressing the challenges of IPF treatment

Organised by F. Hoffmann-La Roche Ltd

Chairs : Sergio Harari (Milan, Italy)

17:15	<b>Welcome and opening</b> Sergio Harari (Milan, Italy)	1655
17:25	<b>Initiating treatment: 'Watch and wait' or start now?</b> Toby Maher (St. Albans, Hertfordshire, United Kingdom)	1656

17:50	<b>Informing treatment choice: Which treatment should I use and why?</b> Wim Wuyts (Rotselaar, Belgium)	1657
18:15	<b>Optimising treatment persistency: How do I maintain patients on treatment?</b> Marlies S. Wijssenbeek (Rotterdam, Netherlands)	1658
18:35	<b>Disease progression: What should I do now/next?</b> Steven D Nathan (Falls Church, United States of America)	1659
18:55	<b>Q&amp;A</b> Steven D Nathan (Falls Church, United States of America), Toby Maher (St. Albans, Hertfordshire, United Kingdom), Marlies S. Wijssenbeek (Rotterdam, Netherlands), Wim Wuyts (Rotselaar, Belgium), Sergio Harari (Milan, Italy)	1660
19:10	<b>Closing remarks</b> Sergio Harari (Milan, Italy)	1661

## Yellow (North) Session 207 17:15 - 19:15

### Industry evening symposium: How new approaches and technologies will transform respiratory care

Organised by Teva Branded Pharmaceutical Products R&D, Inc

**Chairs :** Peter J. Barnes (London, United Kingdom), Richard N.R. Dekhuijzen (Nijmegen, Netherlands)

17:15	<b>Welcome and introduction</b> Peter J. Barnes (London, United Kingdom)	1662
17:20	<b>New frontiers in respiratory medicine: confronting remaining unmet patient needs</b> Peter J. Barnes (London, United Kingdom)	1664
17:40	<b>Why patients stop taking therapy: the Behavioural Psychology of Treatment Adherence</b> Robert Horne (London, United Kingdom)	1665
18:00	<b>Bringing new inhaler technology to the clinic; recent advances and future developments</b> Richard Costello (Dublin, Ireland)	1666
18:20	<b>Cognitive Computing &amp; Big Data in Respiratory Medicine</b> Kyu Rhee (New York, United States of America)	1663
18:40	<b>Panel Discussion: What new perspectives can improve respiratory care?</b> Richard N.R. Dekhuijzen (Nijmegen, Netherlands)	1667
19:00	<b>Summary and close</b> Peter J. Barnes (London, United Kingdom)	1668

## Brown 3 (South) Session 208 17:15 - 19:15

### Industry evening symposium: PAH – Timely and effective decisions in clinical practice

Organised by Actelion Pharmaceuticals Ltd

**Chairs :** Gérald Simonneau (Le Kremlin-Bicêtre, France), Raymond Benza (Pittsburgh, United States of America)

17:15	<b>PAH – A multifaceted disease</b> Marius M. Hoepfer (Hannover, Germany)	1669
17:25	<b>Controlling disease progression – Is there still a place for monotherapy?</b> Sean Gaine (Dublin, Ireland)	1670
17:45	<b>The relevance of a comprehensive risk assessment during treatment</b> Olivier Sitbon (Le Kremlin-Bicêtre, France)	1671
18:05	<b>Tailored treatments for patients with progressive PAH</b> H. Ardeschir Ghofrani (Giessen, Germany)	1672
18:25	<b>From theory to practice – A patient case</b> Raymond Benza (Pittsburgh, United States of America)	1673
18:55	<b>Panel discussion</b>	1674

**Amber 1 + 2 (South) Session 209 17:30 - 19:00****Industry evening mini symposium: Interactive Symposium: Advanced Learnings for Optimising Coil Therapy Outcomes in Severe Emphysema.***Organised by PneumRx Ltd, a BTG International group company***Chairs :** Arschang Valipour (Wien, Austria)

<b>17:30</b>	<b>Introduction</b> Arschang Valipour (Wien, Austria)	<b>1675</b>
<b>17:35</b>	<b>Quantitative CT Analysis (QCT) and Visual Assessment: Applying new learnings with HRCT.</b> Frank Scirba (Pittsburgh, United States of America)	<b>1676</b>
<b>18:00</b>	<b>Live voting: Interactive presentation of patient cases: "How would you decide?"</b> Charles-Hugo Marquette (Nice, France)	<b>1677</b>
<b>18:35</b>	<b>ELEVATE Trial: A prospective protocol to optimise Coil therapy outcomes.</b> Felix J.F. Herth (Heidelberg, Germany)	<b>1678</b>
<b>18:50</b>	<b>Summary and Outlook.</b> Arschang Valipour (Wien, Austria)	<b>1679</b>

**Blue 2 (North) Session 210 17:30 - 19:00****Industry evening mini symposium: Paving the way to personalized medicine in COPD and AATD***Organised by Grifols***Chairs :** Joanna Chorostowska-Wynimko (Warszawa, Poland)

<b>17:30</b>	<b>Introduction</b> Joanna Chorostowska-Wynimko (Warszawa, Poland)	<b>1680</b>
<b>17:40</b>	<b>Identifying the Alphas in the COPD universe. Real-life experience</b> Timm Greulich (Marburg, Germany)	<b>1681</b>
<b>18:05</b>	<b>Patient management that meets individual needs. Help coming from registries/cohort studies</b> Jose Luis Lopez-Campos Bodineau (Sevilla, Spain)	<b>1682</b>
<b>18:30</b>	<b>ALTA: Introduction of the 2017 winning projects</b> Karina Serban (Denver, United States of America)	<b>1683</b>
<b>18:35</b>	<b>ALTA: Presentation of the results of the 2016 winning projects</b> Karina Serban (Denver, United States of America), Pasquale Piccolo (Pozzuoli, NA, Italy)	<b>1684</b>
<b>18:45</b>	<b>General discussion and closing remarks</b>	<b>1685</b>

**Orange 1 (North) Session 211 17:30 - 19:00****Industry evening mini symposium: EBUS 2017 - New Perspectives***Organised by PENTAX Europe GmbH & HITACHI Medical Systems***Chairs :** Jouke T. Annema (Amsterdam, Netherlands), Erik H.F.M. van der Heijden (Nijmegen, Netherlands)

	<b>EBUS in lung cancer staging; towards a combined EBUS-EUS-B approach?</b> Jouke T. Annema (Amsterdam, Netherlands)	<b>1686</b>
	<b>EBUS in Sarcoidosis and Cysts</b> Rocco Trisolini (Bologna, BO, Italy)	<b>1687</b>
	<b>EBUS training &amp; certification program – towards a simulation based approach?</b> Marcus Kennedy (Co Cork, Ireland)	<b>1688</b>

**Orange 2 (North) Session 212 17:30 - 19:00****Industry evening mini symposium: Vaccination: a tool for managing risk for respiratory disease patients.***Organised by GlaxoSmithKline Vaccines***Chairs :** Mark Doherty (, Denmark)

17:30	<b>Introduction &amp; Welcome</b> Walid Kandeil (, Belgium)	1689
17:35	<b>Immunity, immunosenescence and exacerbation: vaccine-preventable diseases in patients with COPD and asthma</b> Ruprecht Schmidt-Ott (, Belgium)	1690
17:55	<b>Vaccination as a tool for managing influenza in patients with COPD and asthma</b> Norbert Berend (Galston, Australia)	1691
18:10	<b>Pertussis vaccination in adult patients with COPD and asthma: current practice, knowledge and knowledge gaps</b> Walid Kandeil (, Belgium)	1692
18:30	<b>Concluding remarks and round-table discussion, with questions from the audience</b>	1693

**Orange 3 (North)****Session 213****17:30 - 19:00****Industry evening mini symposium: Metered Cryospray – Targeting the Mucus and Inflammation in Chronic Bronchitis***Organised by CSA Medical***Chairs :** Gerard J. Criner (Philadelphia, United States of America)

17:30	<b>Introduction</b> Felix J.F. Herth (Heidelberg, Germany)	1694
17:40	<b>Chronic Bronchitis – The Case for an Unmet Medical Need</b> Gerard J. Criner (Philadelphia, United States of America)	1695
18:00	<b>Metered Cryospray – A Novel Advancement for Chronic Bronchitis</b> Dirk-Jan Slebos (Groningen, Netherlands)	1696
18:20	<b>RejuvenAir System for Chronic Bronchitis Patients</b> Pallav L. Shah (London, United Kingdom)	1697
18:40	<b>Program Review and Next Steps</b> Gerard J. Criner (Philadelphia, United States of America)	1698
18:45	<b>Questions</b>	1699

## Amber 3 + 4 (South)

## Session 223

07:00 - 08:15

## Industry early morning symposium: The New Era of Bronchoscopic Treatment for Lung Disease is Here Now

Organised by Broncus Medical, Inc.

Chairs : Felix J.F. Herth (Heidelberg, Germany)

07:00	<b>Introduction - Broncus/Uptake complete offering for Bronchoscopic Access, Diagnosis and Treatment of lung diseases</b> Felix J.F. Herth (Heidelberg, Germany)	1702
07:05	<b>Lung Cancer - Bronchoscopic Access, Diagnosis and Treatment</b> Gerard J. Criner (Philadelphia, United States of America), Felix J.F. Herth (Heidelberg, Germany)	1703
07:35	<b>Emphysema – Bronchoscopic Thermal Vapor Ablation (BTVA)</b> Daniela Gompelmann (Heidelberg, Germany), Arschang Valipour (Wien, Austria), Ralf Eberhardt (Heidelberg, Germany)	1704
08:10	<b>Summary – The New Era of Complete Bronchoscopic Treatment for Lung Disease is Here Now</b> Felix J.F. Herth (Heidelberg, Germany)	1705

## Space 3 + 4 (South)

## Session 329

13:15 - 14:30

## Industry Practical Workshop: Narval CC oral appliance, an innovative and proven alternative to CPAP therapy

Organised by ResMed

Chairs : Laurent Morin (Saint Priest Cedex, France)

13:15	<b>ORCADES study : 2 years follow up results on long term efficacy and tolerance</b> Marie-Pia D'Ortho (Paris, France)	2828
13:30	<b>A 100% digital process with Narval CC – results from a clinical trial with intra-oral scanners</b> Marc Braem (Antwerp, Belgium)	2829
13:50	<b>In practice:- Which eligible criteria for patients selection ? - How to work efficiently in a dental sleep network?- Hands-on session with Narval CC</b>	2830

## Pink (South)

## Session 330

13:15 - 14:30

## Industry Practical Workshop: Bronchial Thermoplasty: The Tipping Point

Organised by Boston Scientific International SA

Chairs : Pascal Chanez (Marseille, France), Peter I. Bonta (Amsterdam, Netherlands)

	<b>Hands-on</b>	2831
13:15	<b>Welcome/Introduction</b> Pascal Chanez (Marseille, France), Peter I. Bonta (Amsterdam, Netherlands)	2832
13:20	<b>BT affects airways remodelling</b> Michael Roth (Basel, Switzerland)	2833
13:35	<b>How does BT act on asthma control and exacerbation?</b> Michel Aubier (Paris, France)	2834
13:50	<b>A quality of life at reasonable cost</b> Pallav L. Shah (London, United Kingdom)	2835
14:00	<b>Who are the good candidates for BT?</b> Pascal Chanez (Marseille, France)	2836
14:20	<b>Q&amp;A/Closing</b> Pascal Chanez (Marseille, France), Peter I. Bonta (Amsterdam, Netherlands)	2837

**Brown 1 + 2 (South) Session 331 13:15 - 14:20****Industry Practical Workshop: Hands On Session on Interventional Pulmonology***Organised by FUJIFILM***Chairs :** Joris van der Horst (Glasgow, United Kingdom), Samy Lachkar (Rouen, France), Rüdiger Eichholz (Tübingen, Germany)

- |       |   |      |
|-------|---|------|
| 13:15 | <b>1. Station: EBUS-TBNA with Plastic Model (max 6 participants)</b><br><b>2. Station: EBUS-MINI PROBE Biopsy with Plastic Model (max 6 participants)</b><br><b>3. Station: EBUS-MINI PROBE Biopsy with Plastic Model (max 6 participants)</b><br><b>4. Station: EBUS-TBNA with Symbionix Simulator (max 6 participants)</b><br><b>5. Station: EBUS-TBNA with Symbionix Simulator (max 6 participants)</b><br><b>6. Station: Pleural Ultrasound by SonoSite</b> | 2838 |
|-------|---|------|

**Brown 3 (South) Session 332 13:15 - 14:30****Industry Practical Workshop: superDimension™ Electromagnetic Navigation Bronchoscopy; Bridging the Diagnostic and Therapeutic Domains in Lung Cancer.***Organised by Medtronic***Chairs :** Arschang Valipour (Wien, Austria)

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|--|--|------|
|  | <b>Speaker 1 – Update on global NAVIGATE trial (first 1000 patients)</b><br><b>Speaker 2 – Maximizing yield through biopsy protocol optimization</b><br><b>Speaker 3 – superDimension™ beyond the diagnostic realm</b> | 2839 |
|  | Javier Alfayate Sanchez (, Spain), William Krinsky (Baltimore, United States of America), Jean-Baptiste Stern (Paris Cedex 14, France)   |      |

**Orange 1 (North) Session 333 13:15 - 14:30****Industry Practical Workshop: Impact of the new DLCO standards (ERS/ATS 2017) on clinical use***Organised by ndd Medizintechnik AG***Chairs :** Robert L. Jensen (Salt Lake City, United States of America)

- |       |   |      |
|-------|---|------|
| 13:15 | <b>Impact of the new DLCO standards (ERS/ATS 2017) on clinical use</b><br>Felip Burgos Rincon (Barcelona, Spain), Bruce Thompson (Melbourne, Australia) | 2840 |
|-------|---|------|

**Orange 2 (North) Session 334 13:15 - 14:30****Industry Practical Workshop: Target ventilation in life support and NIV setup in COPD***Organised by ResMed***Chairs :** Pierre-Charles Neuzeret (Martinsried, Germany)

- |       |  |      |
|-------|--|------|
| 13:15 | <b>The use of iVAPS and ST.SV in Astral: which solution for which patient?</b><br>Martin Bachmann (Hamburg, Germany) | 2841 |
| 13:15 | <b>Set up and follow up of a COPD patient with Lumis</b><br>Michelle Chatwin (London, United Kingdom)                | 2842 |

**Orange 3 (North) Session 335 13:15 - 14:30****Industry Practical Workshop: Endoscopic Coil Treatment in Severe Emphysema Patients.***Organised by PneumRx Ltd, a BTG International group company***Chairs :** Pallav L. Shah (London, United Kingdom)

- |       |   |      |
|-------|---|------|
| 13:15 | <b>Introduction:</b><br><b>Patient Selection &amp; Treatment Planning</b><br><b>Impact of Densitometry (Quantitative CT)</b>  | 2843 |
|       | Pallav L. Shah (London, United Kingdom)   |      |
| 13:30 | <b>Hands-on Coil System demonstration &amp; training with lung models:</b><br><b>Spanish demo stations with Dr Flandes</b><br><b>English demo stations with Dr Munavvar / Frank Scirba MD / Dr Bostanci</b><br><b>German demo station with Dr Schuhmann</b><br><b>French demo station with Prof Dutau</b> | 2844 |
|       | Javier Flandes Aldeyturriaga (Madrid, Spain), Mohammed Munavvar (Preston, United Kingdom), Hervé Dutau (Marseille, France), Maren Schuhmann (Heidelberg, Germany), Frank Scirba (Pittsburgh, United States of America), Korkut Bostanci (Istanbul, Turkey)  |      |



14:15	<b>Closure: Clinical Outcomes Q&amp;A</b> Pallav L. Shah (London, United Kingdom)	2845
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## Silver (North) Session 363 17:15 - 19:15

### Industry evening symposium: Advancing COPD treatment strategies with evidence-based approaches

Organised by Novartis Pharma AG

**Chairs :** Wisia Wedzicha (London, United Kingdom)

17:15	<b>Chair's introduction</b> Wisia Wedzicha (London, United Kingdom)	3053
17:25	<b>Increasing understanding of COPD and the effect on guideline evolution. GOLD 2017: the what, the why and the how</b> Nicolas Roche (Paris, France)	3054
17:45	<b>Addressing the needs of COPD patients with a lower exacerbation risk</b> Claus Vogelmeier (Marburg, Germany)	3055
18:05	<b>Examining the evidence base for high-exacerbation risk patients: dual bronchodilation and beyond</b> Wisia Wedzicha (London, United Kingdom)	3056
18:25	<b>Applying treatment strategies in clinical practice: illustrative cases</b> Fabiano Di Marco (Trezzano Sul Naviglio (Mi), Italy)	3057
18:50	<b>Q&amp;A</b> Speaker to be confirmed	3058
19:05	<b>Chair's concluding remarks</b> Wisia Wedzicha (London, United Kingdom)	3059

## Bronze (Hall 4) Session 364 17:15 - 19:15

### Industry evening symposium: Fibrosing Interstitial Lung Diseases (ILD): Knowns and Unknowns

Organised by Boehringer Ingelheim Pharma GmbH & Co. KG

**Chairs :** Sergio Harari (Milan, Italy), Vincent Cottin (Lyon, France)

17:15	<b>Welcome and introduction</b> Sergio Harari (Milan, Italy)	3060
17:30	<b>Inhibition of lung fibrosis by nintedanib: evidence from non-clinical studies</b> Lutz Wollin (Biberach an der Riß, Germany)	3061
17:45	<b>Defining progression in fibrosing ILD</b> Vincent Cottin (Lyon, France)	3062
18:05	<b>Questions and answers</b>	3063
18:15	<b>New perspectives on autoimmune ILD</b> Aryeh Fischer (Denver, United States of America)	3064
18:35	<b>Chronic hypersensitivity pneumonitis as a progressive fibrosing ILD</b> Kevin R. Flaherty (Pinckney, United States of America)	3065
18:55	<b>Questions and answers</b>	3066
19:10	<b>Summary and close</b> Vincent Cottin (Lyon, France)	3067

## Beige (South) Session 365 17:15 - 19:15

### Industry evening symposium: Severe Asthma: Emerging Science in the Eosinophilic Phenotype

Organised by AstraZeneca

**Chairs :** Giorgio Walter Canonica (Milan, Italy)

17:15	<b>Welcome and Introductions</b> Giorgio Walter Canonica (Milan, Italy)	3068
17:20	<b>Challenges in Asthma Heterogeneity</b> Geoffrey Chupp (New Haven, United States of America)	3069
17:45	<b>Panel Discussion and Audience Q&amp;A</b> All	3070
17:55	<b>The Eosinophilic Phenotype and the Patient Experience</b> Stephanie Korn (Mainz, Germany)	3071
18:20	<b>Panel and Discussion and Audience Q&amp;A</b> All	3072
18:30	<b>The Evolving Science of Severe Asthma and Emerging Clinical Practices</b> Giorgio Walter Canonica (Milan, Italy)	3073
18:55	<b>Panel Discussion and Audience Q&amp;A</b> All	3074

## Red (North) Session 366 17:15 - 19:15

### Industry evening symposium: COPD is confusing: using evidence to help my patients

Organised by GlaxoSmithKline

Chairs : Paolo Palange (Rome, Italy), Grant Waterer (Perth, WA, Australia)

17:15	<b>Co-chair introduction</b> Paolo Palange (Rome, Italy), Grant Waterer (Perth, WA, Australia)	3075
17:25	<b>"I am short of breath, doctor". What would you do?</b> Christopher B. Cooper (Los Angeles, United States of America)	3076
17:50	<b>"I have had another infection, doctor". What would you do next?</b> Neil C. Barnes (London, United Kingdom)	3077
18:15	<b>Exacerbations: how does the lung microbiome help us?</b> Thomas Wilkinson (Southampton, United Kingdom)	3078
18:40	<b>Phenotypes in exacerbations: what does the evidence tell us?</b> Mona Bafadhel (Oxford, United Kingdom)	3079
19:05	<b>Q&amp;A and close</b> Paolo Palange (Rome, Italy), Grant Waterer (Perth, WA, Australia)	3080

## Pink (South) Session 367 17:15 - 19:15

### Industry evening symposium: Evolving Concepts in Asthma with Type 2 Inflammation: the Role of Biologics

Organised by Sanofi Genzyme

Chairs : Pierluigi L. Paggiaro (Pisa, PI, Italy)

17:15	<b>Clinical Challenges, Best Practices, and Future Directions in Asthma with Type 2 Inflammation</b> Pierluigi L. Paggiaro (Pisa, PI, Italy)	3081
17:25	<b>Disease Burden and Unmet Need in Asthma with Type 2 Inflammation</b> Pierluigi L. Paggiaro (Pisa, PI, Italy)	3082
17:50	<b>Biology and Role of Type 2 Airway Inflammation</b> Johann Christian Virchow (Rostock, Germany)	3083
18:15	<b>Clinical Evidence for Targeted Strategies in Asthma with Type 2 Inflammation: Single and Dual Inhibition</b> Michael E. Wechsler (Denver, United States of America)	3084
18:40	<b>Closing remarks and Panel Q&amp;A</b> Pierluigi L. Paggiaro (Pisa, PI, Italy)	3085

**Brown 1 + 2 (South)****Session 368****17:15 - 19:15**

**Industry evening symposium: Which patients, which therapy for symptomatic asthma in 2017. Is personalised medicine the ultimate goal?**

*Organised by Boehringer Ingelheim Pharma GmbH & Co. KG*

**Chairs :** Alberto Papi (Ferrara, Italy)

<b>17:15</b>	<b>Welcome and introduction</b> Alberto Papi (Ferrara, Italy)	<b>3086</b>
<b>17:20</b>	<b>Why has asthma become one of the most common chronic diseases and what should we be doing about it?</b> LeRoy Graham (Norcross, United States of America)	<b>3087</b>
<b>17:45</b>	<b>Personalised medicine: Current management approaches to optimise patient outcomes</b> Paul O'Byrne (Hamilton, ON, Canada)	<b>3088</b>
<b>18:10</b>	<b>The future of personalised medicine: What does the data tell us?</b> Christopher E. Brightling (Leicester, United Kingdom)	<b>3089</b>
<b>18:35</b>	<b>Why could anticholinergics be the next step add-on for symptomatic asthma patients already on ICS/LABA maintenance treatment?</b> David M. G. Halpin (Exeter Devon, United Kingdom)	<b>3090</b>
<b>19:00</b>	<b>Q&amp;A and closing remarks</b> Alberto Papi (Ferrara, Italy)	<b>3091</b>

**Yellow (North)****Session 369****17:15 - 19:15**

**Industry evening symposium: Management of severe eosinophilic asthma in the biologics age: what does the patient journey look like?**

*Organised by Teva Branded Pharmaceutical Products R&D, Inc*

**Chairs :** Ratko Djukanovic (Southampton, United Kingdom)

<b>17:15</b>	<b>Welcome and introduction</b> Ratko Djukanovic (Southampton, United Kingdom)	<b>3092</b>
<b>17:20</b>	<b>Exploring severe eosinophilic asthma (SEA); whom, when and how</b> Stephen T. Holgate (Southampton, United Kingdom)	<b>3093</b>
<b>17:55</b>	<b>Approaches and targets for asthma biologic therapies</b> Parameswaran Nair (Hamilton, ON, Canada)	<b>3094</b>
<b>18:30</b>	<b>Targeting the right patient: the case of anti-IL-5</b> Roland Buhl (Mainz, Germany)	<b>3095</b>
<b>19:05</b>	<b>Summary and close</b> Ratko Djukanovic (Southampton, United Kingdom)	<b>3096</b>

**Brown 3 (South)****Session 370****17:15 - 19:15**

**Industry evening symposium: Emerging Landscape of PAH and CTEPH Management**

*Organised by Merck Sharp & Dohme Corp.*

**Chairs :** Gérald Simonneau (Le Kremlin-Bicêtre, France), David Langleben (Montréal, QC, Canada)

<b>17:20</b>	<b>The Development of CTEPH from PE</b> Gérald Simonneau (Le Kremlin-Bicêtre, France), David Langleben (Montréal, QC, Canada)	<b>3097</b>
<b>18:00</b>	<b>Can We Enhance Diagnosis in PAH and CTEPH?</b> Stephan Rosenkranz (Cologne, Germany)	<b>3098</b>
<b>18:10</b>	<b>State of the art CTEPH Treatment</b> Nick Kim (La Jolla, United States of America)	<b>3099</b>
<b>18:30</b>	<b>Can we Optimize the NO-sGC-cGMP Pathway in PH?</b> Marius M. Hoeper (Hannover, Germany)	<b>3100</b>

## Amber 1 + 2 (South)

## Session 371

17:30 - 19:00

Industry evening mini symposium: A PAH patient journey: risk assessment, treatment and ongoing management. An interactive symposium.

Organised by GlaxoSmithKline

**Chairs :** Paul A. Corris (Newcastle-upon-Tyne, United Kingdom)

17:30	<b>Introduction</b> Paul A. Corris (Newcastle-upon-Tyne, United Kingdom)	3101
17:35	<b>Introducing a PAH patient - the importance of risk assessment</b> Sean Gaine (Dublin, Ireland)	3102
17:55	<b>What outcomes are important to the patient?</b> Paul A. Corris (Newcastle-upon-Tyne, United Kingdom)	3103
18:10	<b>What recent outcomes data could be relevant to the patient?</b> Carlos Jardim (SAO PAULO/SP, Brazil)	3104
18:25	<b>Can mobile technology improve PAH patient management?</b> Luke Howard (London, United Kingdom)	3105
18:40	<b>Audience interactive session - Q&amp;A with expert panel</b>	3106

## Amber 3 + 4 (South)

## Session 372

17:30 - 19:00

Industry evening mini symposium: Non-CF bronchiectasis with *Pseudomonas aeruginosa* chronic infection: New Solutions Toward Patient Benefits

Organised by Grifols

**Chairs :** Stefano Aliberti (Milan, Italy), Felix C. Ringshausen (Hannover, Germany)

17:30	<b>Welcome and introduction</b> Felix C. Ringshausen (Hannover, Germany), Stefano Aliberti (Milan, Italy)	3107
17:40	<b>The impact of <i>Pseudomonas aeruginosa</i> on non-CF bronchiectasis disease progression and health economic perspective</b> James D. Chalmers (Dundee, United Kingdom)	3108
18:00	<b>ORBIT 3 &amp; 4: new evidence on treatment of non-CF bronchiectasis</b> Charles Haworth (CAMBRIDGE, United Kingdom)	3109
18:20	<b>Putting evidence into practice- how can we improve bronchiectasis care?</b> Eva Polverino (Barcelona, Spain)	3110
18:40	<b>Panel discussion: towards a better management of non-CF bronchiectasis patients with <i>Pseudomonas aeruginosa</i></b> Speaker to be confirmed	3111
18:55	<b>Summary and close</b> Stefano Aliberti (Milan, Italy), Felix C. Ringshausen (Hannover, Germany)	3112

## Amber 5 + 6 (South)

## Session 373

17:30 - 19:00

Industry evening mini symposium: How home therapy devices can improve outcome for COPD patients: portable oxygen therapy and non-invasive ventilation

Organised by ResMed

**Chairs :** Holger Woehrle (Blaubeuren, Germany), Peter J. Wijkstra (Groningen, Netherlands)

17:30	<b>Home NIV in COPD: what does the HOT-HMV trial tell us?</b> Nicholas Hart (London, United Kingdom)	3113
17:50	<b>The importance of activity for COPD patients: clinical evidence and solutions to support it.</b> Jean-Louis Pépin (Grenoble, France)	3114
18:20	<b>Home NIV in COPD: available tools and perspectives, from screening to patient follow up.</b> Klaus Kenn (Schoenau am Koenigssee, Germany)	3115

18:40 Panel discussion 3116

**Amber 7 + 8 (South) Session 374 17:30 - 19:00**

**Industry evening mini symposium: Reducing COPD Readmissions: Across the Continuum of Care**

*Organised by Philips*

**Chairs :** Teofilo Lee-Chiong (Denver, United States of America)

17:30 **Introduction to Reducing COPD Readmissions: Across the Continuum of Care** 3117  
Teofilo Lee-Chiong (Denver, United States of America)

17:40 **Drug Delivery and Oxygen Management to Reduce COPD Readmissions** 3118  
Richard Zuwallack (Hartford, United States of America)

18:10 **Ventilatory Management to Reduce COPD Readmissions** 3119  
Nicholas Hart (London, United Kingdom)

**Blue 1 (North) Session 375 17:30 - 19:00**

**Industry evening mini symposium: Transitioning clinical data into patient care – recent real-life experiences with Alpha-1**

*Organised by CSL Behring GmbH*

**Chairs :** Jan Stolk (Leiden, Netherlands), Berend Stoel (Leiden, Netherlands)

17:30 **Welcome and Introduction** 3120  
Jan Stolk (Leiden, Netherlands)

17:35 **Regional lung density and imaging: Latest findings from the RAPID Extension trial** 3121  
David G. Parr (Coventry, United Kingdom)

17:50 **Clinical implications and challenges for treatment of AATD** 3122  
Joachim Ficker (Herzogenaurach, Germany)

18:05 **Going beyond the trials: Strengthening clinical evidence** 3123  
Charlie Strange (Charleston, United States of America)

18:20 **By no means obsolete: Why registry data are important in a rare disease** 3124  
Jan Stolk (Leiden, Netherlands)

18:35 **Discussion/Questions** 3125

18:55 **Closing Remarks** 3126  
Berend Stoel (Leiden, Netherlands)

**Blue 2 (North) Session 376 17:30 - 19:00**

**Industry evening mini symposium: How to Manage Severe Emphysema Patients? New Clinical Evidence and Recommendations.**

*Organised by Pulmonx International Sàrl*

**Chairs :** Dirk-Jan Slebos (Groningen, Netherlands)

17:30 **Latest Clinical Data on Endobronchial Valves** 3127  
Pallav L. Shah (London, United Kingdom)

17:50 **Current COPD GOLD Guidelines and ELVR techniques** 3128

18:10 **Best Practices for Patient Selection and Treatment** 3129  
Arschang Valipour (Wien, Austria)

18:30 **Review of Clinical Cases** 3130  
Dirk-Jan Slebos (Groningen, Netherlands)

18:50 **Discussion** 3131

**Pink (South) Session 478 13:15 - 14:30****Industry Practical Workshop: What Is New in Endoscopic Lung Volume Reduction?***Organised by Olympus Europa SE & Co. KG***Chairs :** Guangfa Wang (Beijing, China), Arschang Valipour (Wien, Austria), Franz Stanzel (Hemer, Germany)

- **New RCT study data**
  - **From patient selection to treatment – success rate with SeleCT and full range of valve sizes** 4333
  - **Gaining practical skills in the placement of Spiration valves**
- Guangfa Wang (Beijing, China), Arschang Valipour (Wien, Austria), Franz Stanzel (Hemer, Germany)

**Orange 1 (North) Session 479 13:15 - 14:30****Industry Practical Workshop: Medical Thoracoscopy***Organised by Karl Storz GmbH & Co.KG***Chairs :** Ralf Heine (Halle, Germany)

- |              |  |             |
|--------------|--|-------------|
| <b>13:15</b> | <b>Presentation about Medical Thoracoscopy</b>                 | <b>4336</b> |
| <b>13:30</b> | <b>Hands-on workshop: practical demonstration and training</b> | <b>4337</b> |

**Orange 2 (North) Session 480 13:15 - 14:30****Industry Practical Workshop: Personalised sleep therapy and the future role of the patient in the management of chronic respiratory diseases***Organised by ResMed***Chairs :** Carlos Núñez Pérez-Redondo (MÉXICO D.F, Mexico)

- |              |  |             |
|--------------|--|-------------|
| <b>13:15</b> | <b>Patient engagement and the influence of connected care in future healthcare settings</b><br>Carlos Núñez Pérez-Redondo (MÉXICO D.F, Mexico) | <b>4338</b> |
| <b>13:25</b> | <b>Personalised sleep therapy and the empowered patient</b><br>Piet-Heijn van Mechelen (Heemstede, Netherlands)                                | <b>4339</b> |
| <b>13:45</b> | <b>The clinical value of connected care from the physician's perspective</b><br>Joachim Ficker (Herzogenaurach, Germany)                       | <b>4340</b> |
| <b>14:00</b> | <b>Demo of AirView and myAir (rotational set up)</b>   | <b>4341</b> |

**Orange 3 (North) Session 481 13:15 - 14:30****Industry Practical Workshop: MECHANICAL IN- EXSUFFLATION: New concepts and future perspectives***Organised by SIARE ENGINEERING INTERNATIONAL GROUP S.R.L.***Chairs :** Giancarlo Garuti (Modena, Italy)

- |              |  |             |
|--------------|--|-------------|
| <b>13:15</b> | <b>INTRODUCTION TO COUGH MACHINE</b><br>Giancarlo Garuti (Modena, Italy) | <b>4342</b> |
| <b>13:33</b> | <b>CAP 700: TECHNICAL FEATURES</b><br>Giancarlo Garuti (Modena, Italy)   | <b>4343</b> |
| <b>13:51</b> | <b>PRACTICAL EXERCISES</b><br>Giancarlo Garuti (Modena, Italy)           | <b>4344</b> |
| <b>14:09</b> | <b>REMARKS</b><br>Giancarlo Garuti (Modena, Italy)                       | <b>4345</b> |

**Beige (South) Session 507 17:15 - 19:15****Industry evening symposium: The renaissance of effective respiratory care***Organised by Chiesi Farmaceutici S.p.A.***Chairs :** Alberto Papi (Ferrara, Italy), Omar S. Usmani (London, United Kingdom)

17:15	<b>The lifelike portrait. The role of real life evidence in outlining patient's needs</b> David Price (Aberdeen, United Kingdom)	4551
17:45	<b>De evolutione scientiae. From alchemy to science of small airways in Asthma and COPD</b> Dave Singh (Manchester, United Kingdom)	4552
18:15	<b>Carving the ideal. Proper solutions for chronic respiratory patients</b> Alberto Papi (Ferrara, Italy)	4553
18:45	<b>Matter of a new perspective. Extrafine in the architecture of COPD</b> Omar S. Usmani (London, United Kingdom)	4554

**Red (North)****Session 508****17:15 - 19:15****Industry evening symposium: Successful asthma management: Mission accomplished or time for a reappraisal?***Organised by AstraZeneca***Chairs :** Niels H. Chavannes (Leiden, Netherlands), Helen Reddel (Sydney, Australia)

17:15	<b>Welcome and introduction</b> Niels H. Chavannes (Leiden, Netherlands)	4555
17:20	<b>Effective asthma control: are we talking the same language?</b> John Haughney (Aberdeen, United Kingdom)	4556
17:35	<b>Long term clinical outcomes of SABA overuse and ICS underuse in asthma</b> Helen Reddel (Sydney, Australia)	4557
17:50	<b>Which inhaled steroid profile should you choose for the best outcome in asthma, and why?</b> Ralph Brattsand (Kristinehamn, Sweden)	4558
18:05	<b>The paradoxes of asthma management</b> Paul O'Byrne (Hamilton, ON, Canada)	4559
18:20	<b>Digital frontiers in asthma management</b> Niels H. Chavannes (Leiden, Netherlands)	4560
18:35	<b>Panel discussion and open debate</b> All	4561
19:05	<b>Summary and close</b> Helen Reddel (Sydney, Australia)	4562

**Space 1 + 2 (South)****Session 509****17:15 - 19:15****Industry evening symposium: Individualized care for our COPD patients: Can we be the architects of a better tomorrow?***Organised by Boehringer Ingelheim Pharma GmbH & Co. KG***Chairs :** Peter M. A. Calverley (Liverpool, United Kingdom)

17:15	<b>Welcome and introduction</b> Peter M. A. Calverley (Liverpool, United Kingdom)	4563
17:25	<b>Understanding COPD progression: What do we know?</b> MeiLan K. Han (Ann Arbor, United States of America)	4564
17:55	<b>Optimizing treatment from diagnosis: How can we improve outcomes in COPD?</b> Eric D. Bateman (Cape Town, South Africa)	4565
18:25	<b>Maximizing opportunities: Your choice matters</b> Antonio Anzueto (San Antonio, United States of America)	4566
18:55	<b>Panel discussion and Q&amp;A</b> Peter M. A. Calverley (Liverpool, United Kingdom)	4567
19:10	<b>Summary and close</b> Peter M. A. Calverley (Liverpool, United Kingdom)	4568

**Amber 1 + 2 (South) Session 510 17:30 - 19:00****Industry evening mini symposium: The challenge of nontuberculous mycobacterial lung disease (NTM-LD) - Raising Awareness and Improving Management***Organised by Insmmed Incorporated***Chairs :** James D. Chalmers (Dundee, United Kingdom)

<b>17:30</b>	<b>Prevalence and Burden - Why care about NTM-LD?</b> Felix C. Ringshausen (Hannover, Germany)	<b>4569</b>
<b>18:00</b>	<b>Bronchiectasis as a friend of NTM - and vice versa</b> Stefano Aliberti (Milan, Italy)	<b>4570</b>
<b>18:30</b>	<b>Management of NTM Treatment - Achieving Success?</b> David E. Griffith (Tyler, United States of America)	<b>4571</b>

**Amber 3 + 4 (South) Session 511 17:30 - 19:00****Industry evening mini symposium: Bringing Mepolizumab into the clinic***Organised by GlaxoSmithKline***Chairs :** Pierluigi L. Paggiaro (Pisa, PI, Italy), Peter H. Howarth (Southampton, United Kingdom)

<b>17:30</b>	<b>Introduction</b> Pierluigi L. Paggiaro (Pisa, PI, Italy), Peter H. Howarth (Southampton, United Kingdom)	<b>4572</b>
<b>17:35</b>	<b>Getting the basics right: the workup of the severe asthma patient</b> Florence Schleich (Liège, Belgium)	<b>4573</b>
<b>17:55</b>	<b>Review of the evidence: where are we now?</b> Peter H. Howarth (Southampton, United Kingdom)	<b>4574</b>
<b>18:15</b>	<b>Clinical questions and considerations: what are the issues?</b> Neil Martin (Edinburgh, United Kingdom)	<b>4575</b>
<b>18:35</b>	<b>Service practicalities: how does it work?</b> David Jackson (London, United Kingdom)	<b>4576</b>
<b>18:50</b>	<b>Q&amp;A and close</b> Pierluigi L. Paggiaro (Pisa, PI, Italy), Peter H. Howarth (Southampton, United Kingdom)	<b>4577</b>

**Blue 2 (North) Session 512 17:30 - 19:00****Industry evening mini symposium: Treating COPD and Asthma with Targeted Lung Denervation***Organised by Nuaira***Chairs :** Alvar Agusti Garcia-Navarro (Barcelona, Spain), Felix J.F. Herth (Heidelberg, Germany)

<b>17:30</b>	<b>Introduction</b>	<b>4578</b>
<b>17:35</b>	<b>Neural control of airway smooth muscle and mucus production</b> Brendan Canning (Baltimore, United States of America)	<b>4579</b>
<b>17:45</b>	<b>Mechanism of Action and the Nuaira™ Lung Denervation System</b> Pallav L. Shah (London, United Kingdom)	<b>4580</b>
<b>18:00</b>	<b>Targeted Lung Denervation (TLD) in COPD: New Data AIRFLOW-1 Trial</b> Dirk-Jan Slebos (Groningen, Netherlands)	<b>4581</b>
<b>18:15</b>	<b>TLD in COPD: AIRFLOW-2 Sham Controlled Trial</b> Arschang Valipour (Wien, Austria)	<b>4582</b>
<b>18:30</b>	<b>TLD in Asthma: RELIEF-1 Study</b> Nicolaas H.T. ten Hacken (Groningen, Netherlands)	<b>4583</b>
<b>18:40</b>	<b>Panel Discussion</b>	<b>4584</b>



**Orange 1 (North) Session 513 17:30 - 19:00****Industry evening expert forum: A modern nebulizer for an established drug: Breelib™ meets Iloprost**

As places at the Bayer Industry Expert Forum are limited, please secure your seat by sending an e-mail including your name and institution to [inka.rinn@bayer.com](mailto:inka.rinn@bayer.com)

Organised by Bayer AG

Chairs : Werner Seeger (Giessen, Germany)

17:30	<b>Welcome and Introduction</b> Werner Seeger (Giessen, Germany)	4585
17:35	<b>Meet the science that supports inhaled application</b> Bernhard Müllinger (Gauting, Germany)	4586
17:55	<b>Meet the data that supports Breelib™ for iloprost</b> Tobias Gessler (Wettenberg, Germany)	4587
18:15	<b>Meet the technology that supports adherence</b> Levent Kılıç (Malatya, Turkey)	4588
18:30	<b>Meet Breelib™ (Practical use part)</b>	4589

**Orange 2 (North) Session 514 17:30 - 19:00****Industry evening expert forum: Novel Ways to Enhance Slow Wave Sleep**

Organised by Philips

Chairs : David White (Denver, United States of America)

17:30	<b>Enhancing Slow Wave Activity via an Introduction to Slow Wave Sleep</b> David White (Denver, United States of America)	4590
17:45	<b>Automated Acoustic Stimulation Device in Middle Aged Men: Effect on Cognitive Function</b> Clare Anderson (Melbourne, VIC, Australia)	4591
18:30	<b>Group Question and Answer</b>	4592

**Orange 3 (North) Session 515 17:30 - 19:00****Industry evening expert forum: The increasing spectrum of recognition of RSV infection in infants, the elderly and patients with COPD**

Places at the Janssen Global's Industry Expert Forum are limited and attendance is by registration only. To register your interest, please send a request including your name and institution to [Janssen Global: RSVexpertforum@zoeticsscience.com](mailto:Janssen Global: RSVexpertforum@zoeticsscience.com)

[RSVexpertforum@zoeticsscience.com](mailto:RSVexpertforum@zoeticsscience.com)

Organised by JANSSEN GLOBAL SERVICES, LLC

Chairs : Louis Bont (Utrecht, Netherlands)

17:30	<b>Welcome and introduction</b> Louis Bont (Utrecht, Netherlands)	4593
17:35	<b>Defining burden of RSV in children and adults: Who is at risk?</b> Paulo Manzoni (, Italy), Antoni Torres (Barcelona, Spain)	4594
18:15	<b>Challenges of RSV diagnostic testing: Impact on patient management</b> Louis Bont (Utrecht, Netherlands), Edward Walsh (Rochester, United States of America)	4595
18:55	<b>Meeting close</b> Louis Bont (Utrecht, Netherlands)	4596

**Turquoise 1 (North) Session 516 17:30 - 19:00****Industry evening expert forum: Meaningful Measurements: Assessing Techniques to Identify Structural and Functional Lung Changes in Cystic Fibrosis (CF) and Non-CF Bronchiectasis**

Organised by Vertex Pharmaceuticals (Europe) Limited

Chairs : Luca Richeldi (Southampton, United Kingdom)

<b>17:30</b>	<b>Chair's welcome and introduction</b> Luca Richeldi (Southampton, United Kingdom)	<b>4597</b>
<b>17:40</b>	<b>Techniques to assess structural and functional changes in CF and non-CF bronchiectasis</b> Alex Horsley (Manchester, United Kingdom)	<b>4598</b>
<b>18:05</b>	<b>High resolution computed tomography (HRCT) and magnetic resonance imaging (MRI) – how do they direct treatment?</b> Harm Tiddens (Rotterdam, Netherlands)	<b>4599</b>
<b>18:30</b>	<b>Assessing early lung disease</b> Stephen M. Stick (Perth, WA, Australia)	<b>4600</b>
<b>18:55</b>	<b>Summary and close</b> Luca Richeldi (Southampton, United Kingdom)	<b>4601</b>

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