



**PAIN IN EUROPE XI**  
BRINGING THE FUTURE TO  
THE PRESENT



**11<sup>TH</sup> CONGRESS OF  
THE EUROPEAN PAIN  
FEDERATION EFIC®**

**4-7 SEPTEMBER 2019  
VALENCIA, SPAIN**

**FINAL PROGRAMME**

**WWW.EFIC.ORG | #EFIC2019**



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**PLEASE COME AND VISIT US AT  
OUR BOOTH N° 11 TO LEARN MORE.**

1. Deer T, Mehta P, Baksh J, Patterson D, Pope J, Raza A, Agnesi F, Venkatesan L. Efficacy of Burst Spinal Cord Stimulation Microdosing in De-Novo Patient: Preliminary Analysis. Presented at: North American Neuromodulation Society Meeting; 2019; Las Vegas, NV.

2. Byrne, JH. Analysis of synaptic depression contributing to habituation of gill-withdrawal reflex in *Aplysia californica*. *Journal of Neurophysiology*. 1982;48(2):431-438.

3. Abbott. St. Jude Medical™ Proclaim™ Neurostimulation System Clinician's Manual. Plano, TX. 2018.

Learn more at  
[www.neuromodulation.abbott/BOLD](http://www.neuromodulation.abbott/BOLD)

**Brief Summary:** Prior to using these devices, please review the Instructions for Use for a complete listing of indications, contraindications, warnings, precautions, potential adverse events and directions for use.

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REVOLUTIONIZING WHAT'S POSSIBLE

# Table of contents

## CONGRESS INFORMATION

Contact Details	5
Welcome Messages	7
Committees	12
About the European Pain Federation EFIC®	13
Benefits to being a member of an European Pain Federation EFIC® Chapter	13
European Pain Federation EFIC® Chapters	14
European Pain Federation EFIC® Online Education Platform	15
European Pain Federation EFIC® educational and financial opportunities	15
European Pain Federation EFIC® Awards	16
European Pain Federation EFIC® Village	17
Scientific Mobile Application	18
General Information A-Z	19
Venue Floor Plan Congress Centre	24
Venue Floor Plan Exhibition	27
Networking Events	28
CME Accreditation	29
Programme at a Glance	30
Session Descriptions	38
Open Auditorium sessions	40
Information for Presenters	41
Poster Presentations	42
Guided Poster Walks	42

## SCIENTIFIC PROGRAMME

Wednesday, 4 September	45
Thursday, 5 September	59
Friday, 6 September	71
Saturday, 7 September	83
Poster Session 1 - Wednesday, 4 September	89
Poster Session 2 - Thursday, 5 September	111
Poster Session 3 - Friday, 6 September	135
E-Posters	159
Index of Authors	198

## RECOGNITION, ACKNOWLEDGEMENTS AND INDUSTRY SUPPORT

Acknowledgements	222
Industry Supported Sessions	227
Exhibition Map	236
List of Exhibitors	237
Exhibitor and Supporter Company Profiles	239



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FIND US AT  
BOOTH N° 10!

## EFIC 2019

Industry Supported Session 6

## FRIDAY SEPTEMBER 6<sup>TH</sup>

THE EVOLVING ROLE THAT MEDICAL CANNABIS  
PLAYS IN PAIN MANAGEMENT:  
THE SPECIALIST'S PERSPECTIVE

### CHAIR

DR. PAOLA CUBILLOS  
MD, ND / (Colombia)

### SPEAKER

DR. KONRAD F. CIMANDER  
MD, MC / (Germany)

DR. PAOLA CUBILLOS  
MD, ND / (Colombia)

DR. ARUN BHASKAR  
MBBS MSc FRCA FFPMRCA FFICM  
FIP / (United Kingdom)

<u>TIMING</u>	<u>SESSION</u>
12:15 – 12:38	THE LATEST UPDATES ON CANNABINOIDS, THE ENDO-CANNABINOID SYSTEM BIOLOGY, & THE PAIN PATHWAY: / THC, CBD and Related Products / The Entourage Effect / The Endocannabinoid System and its Relation to Pain / Q&A
12:38 – 13:00	A REVIEW OF THE EFFICACY AND SAFETY OF MEDICAL CANNABIS IN PAIN: / Potential Indications / Good Clinical Practices / Patient Education / Q&A
13:00 – 13:15	GUIDELINES AND RESEARCH: WHERE WE ARE TODAY AND WHERE ARE WE GOING / A Review of Guidelines from Different Jurisdictions / Evolving Research in Support of Evidence Based Medicine / Real-World Data as an Important Component of Cannabis Clinical Research
13:15 – 13:45	Q&A SESSION

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Website: [efic-congress.org](http://efic-congress.org)



Congress Venue  
Feria Valencia  
Avda. de las ferias s/n  
46035 Valencia  
Spain  
Website: [www.feriavalencia.com/en](http://www.feriavalencia.com/en)



## Appreciation

We would also like to thank a number of people who have supported the organisation and promotion of this congress in one way or another:

Morten Høgh  
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Lucile Delaigue  
Mariana Branco  
Melinda Borzsak-Schramm  
Dennis Landsbert-Noon  
Valencia Convention Bureau  
Feria Valencia  
K.I.T. Group GmbH Association and Conference Management

CALLING ALL MEDICAL DOCTORS



## SEE AND TREAT PATIENTS WITH PAIN? TAKE THE EXAMINATION FOR THE EUROPEAN DIPLOMA IN PAIN MEDICINE (EDPM®)

- Are you a medical doctor who sees and treats people with pain?
- Do you want to improve your knowledge of pain medicine?
- Are you looking for further qualifications relevant to pain?

The European Pain Federation EFIC is holding the third sitting of the Examination for the European Diploma in Pain Medicine.

The Examination will take place in Spring 2020 in Leuven, Belgium.

“ The European Diploma in Pain Medicine (EDPM) tests the wide range of competences and skills required for a physician dealing with pain today.

The EDPM creates a European standard, which will allow me to demonstrate my competence when working in clinics in Europe. ”

**Dr. Jesus de Santiago Moraga EDPM,  
Ulf Lindblom Prize Winner 2018**

**EFIC Exams networking happy hour!**

For past and potential future candidates – find out more at this networking event

**16:00 Thursday 5<sup>th</sup> September** at the EFIC booth

For more information, contact [secretary@efic.org](mailto:secretary@efic.org)

## Welcome Letter from the President

### Dear Friends and Colleagues,

I am proud to announce the 11<sup>th</sup> Congress of the European Pain Federation EFIC®. This will be held in Valencia, Spain from 4<sup>th</sup> to 7<sup>th</sup> September 2019. As an organisation, the European Pain Federation EFIC® has been growing steadily over the last 25 years in its core domains of education, research, and advocacy. We have developed into Europe's most important multi-disciplinary and multi-professional organisation in the field of pain medicine, representing 37 constituent national pain societies with over 20,000 scientists, physicians, nurses, psychologists, physiotherapists and other healthcare professionals.

On behalf of EFIC®, it gives me great pleasure to invite you and your colleagues to the most important and largest pain congress in 2019. We will offer you an overwhelming number of lectures, workshops, refresher courses and networking initiatives on almost every single aspect of pain. Indeed, we will cover acute, chronic, cancer and non-cancer pain. Furthermore, apart from the newest developments in basic science, we will discuss all aspects of multimodal interdisciplinary care for patients suffering from pain.

On a strategic level, we want to encourage the active participation of young researchers and clinicians by introducing new formats of workshops. Therefore, we formed an excellent, broad-based Scientific Programme Committee (SPC), chaired by Frank Huygen. The SPC is working on an attractive and ambitious programme and will give room to both established internationally known scientists, but also their younger fellows and postdocs. This emphasis on the future of pain medicine leads up to the theme of our 2019 congress: "**Bringing the Future to the Present**".

Importantly, you will be able to meet good old friends, and hopefully meet many new interesting people. Indeed, personal networking is one of the most important reasons that this type of congress can never be replaced by digital means only.

A comprehensive Industrial Exhibition, and sponsored Satellite Symposia, will perfectly complement the scientific content.

On behalf of the European Pain Federation EFIC®, I would like to encourage you to join us at the most ambitious Pain Congress in 2019. I look forward to welcoming you to the sunny city of Valencia, and to what we know will be our most successful congress ever.

Warmest regards,



#### Bart Morlion

President, European Pain Federation EFIC®





### **PATIENTS PRESENTING WITH CHRONIC PAIN AT YOUR PHYSIOTHERAPY CLINIC? - TAKE THE EXAMINATION FOR THE EUROPEAN DIPLOMA IN PAIN PHYSIOTHERAPY (EDPP®)**

- Are you a physiotherapist who sees a large number of patients with chronic pain?
- Do you want to improve your knowledge of chronic pain conditions and their management?
- Are you looking for qualifications to demonstrate your expertise to patients with chronic pain?

The European Pain Federation EFIC is holding the second sitting of the Examination for the European Diploma in Pain Physiotherapy.

The Examination will take place in Spring 2020 in Leuven, Belgium.

*Chronic pain problems are a major cause of referral to a physiotherapist. The World Health Organisation is due to recognise 'chronic primary pain' as a condition in its own right at the next World Health Assembly. There is a growing need for physiotherapists to have deeper knowledge of chronic pain and competences in managing pain conditions.*

*The European Diploma in Pain Physiotherapy (EDPP) will allow you to demonstrate to patients your advanced competence in the management of chronic pain, and your distinction as a physiotherapist for pain conditions.*

### **EFIC Exams networking happy hour!**

For past and potential future candidates – find out more at this networking event

**16:00 Thursday 5<sup>th</sup> September** at the EFIC booth

For more information, contact [secretary@efic.org](mailto:secretary@efic.org)



# Welcome Message from the Chairman of the Scientific Programme Committee

**Dear Friends and Colleagues,**

We are very excited to welcome you to **Pain in Europe XI - the 11<sup>th</sup> Congress of the European Pain Federation EFIC®** in Valencia, Spain, on 4-7 September 2019.

**Pain in Europe XI** builds on the success of the previous Congresses and is Europe's foremost forum for discussing pain and pain management in 2019.

The motto of the Congress is **'Bringing the Future to the Present'**.

We live in a rapidly changing world; new technologies are becoming available and the organisation of care is quickly shifting while new insights into pathophysiology will lead to more mechanism-oriented treatments. Moreover, as we are all getting older, the number of patients with pain is increasing. At the same time, healthcare budgets are under growing pressure, making it clear that innovative approaches are crucial. Last but not least, we have to pay great attention to our successors: today's students are the doctors of tomorrow.

The Scientific Committee has prepared a programme with topics covering all areas of interest in the field of pain and pain management. We implemented basic science and integrated this into presentations of clinical practice, skills in diagnoses and treatments. We have put great value in the proper recognition of multimodal and multidisciplinary approaches to pain.

**Pain in Europe XI** offers refresher courses in order to share state-of-the-art knowledge, elaborating on the core curricula developed by the European Pain Federation. We also have special sessions organised with patient representatives, as well as a track dedicated to Spanish-speaking delegates.

In line with our ambition to **"Bring the Future to the Present"**, we invited young talented researchers to present their cutting-edge work on stage, introduced by their mentors.

We are looking forward to welcoming you in the city of Valencia, located on Spain's south-eastern coast, where the Turia River meets the Mediterranean Sea. The Congress will provide all delegates with an unforgettable personal and professional experience.

Best regards,  
On behalf of the scientific committee



**Frank Huygen**

Chair of the Scientific Programme Committee  
Pain in Europe XI - the 11<sup>th</sup> Congress of the European Pain Federation EFIC®





## HAVE YOU ATTENDED A EUROPEAN PAIN FEDERATION EFIC PAIN SCHOOL YET?

### The Schools

*Basics in Pain Medicine*

**Location:** Klagenfurt, Austria

*Translational Pain Research: From Lab to Clinic*

**Location:** Krakow, Poland

*Cancer Pain and Palliative Care*

**Location:** Liverpool, UK or Maribor, Slovenia

*Neuropathic Pain*

**Location:** Venice, Italy

### Why should I attend?

- The Pain Schools are **free-of-charge** to 15 chosen applicants
- The Pain Schools are led by some of the most distinguished and talented educators from across Europe
- The Pain Schools are taught in highly interactive and engaging formats
- The Pain Schools offer teaching that follows the curriculum for the European Diploma in Pain Medicine and makes for a strong preparation for the Examination
- The Pain Schools are held at attractive locations across Europe and are great networking opportunities for young clinicians

### Pain Schools networking happy hour!

For past and potential future attendees – find out more at this networking event

**16:00 Friday 6<sup>th</sup> September** at the EFIC booth

For more information, contact [secretary@efic.org](mailto:secretary@efic.org)

# Welcome Message from the President-Elect of the European Pain Federation EFIC®

## Dear Friends and Colleagues

Welcome to Valencia and the 11<sup>th</sup> Congress of the European Pain Federation EFIC®. Under Frank's chairmanship the scientific committee has organised a world class programme highlighting the latest developments in areas of key relevance to the multidisciplinary pain community. Grateful thanks goes to all the presenters for their hard work in preparing for the Congress. We received record numbers of submissions for workshops, refresher courses and poster presentations, indicative of the reputation of our congress.

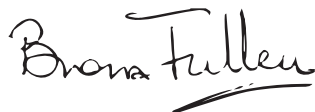
With the theme of **"Bringing the Future to the Present"** this Congress introduces the innovative work of young talented researchers who will be tomorrow's leaders. They will inherit the major healthcare challenge that pain is, and through their research and innovations have an opportunity to shape future care.

For those interested in taking the Diplomas in Pain Medicine (EDPM) or Pain Physiotherapy (EDPP) key lectures and workshops throughout the Congress map to the curricula that can assist you with your preparation.

Looking to the future, our 2021 Congress will be held in Dublin- a city with a history of pain management going back generations. In 1844 Dr. Francis Rynd administered the first subcutaneous injection to a patient with neuralgia. According to his published case study (Dublin Medical Press, 1845) the procedure was relatively painless and the patient later slept comfortably for the first time in months- a holistic reporting of pain management even in the 19<sup>th</sup> century! The 2021 scientific committee, chaired by Professor Eija Kalso, will focus on **'Targeting Pain and its Comorbidities in the Digital Age'**.

For now, I hope that you enjoy all aspects of the 11<sup>th</sup> Congress.

Kind regards,



### Brona Fullen

President-elect, European Pain Federation EFIC®



# Committees

## EXECUTIVE BOARD

Bart Morlion, *Belgium* - President  
 Brona Fullen, *Ireland* - President Elect  
 Silviu Brill, *Israel* - Honorary Secretary  
 Elon Eisenberg, *Israel* - Treasurer  
 Magdalena Kocot-Kępska, *Poland* - Member at Large  
 Thomas Toelle, *Germany* - Member at Large

## SCIENTIFIC PROGRAMME COMMITTEE

Frank Huygen, *The Netherlands* - Chair  
 Michael Bennett, *UK*  
 Neil Betteridge, *UK*  
 Didier Bouhassira, *France*  
 Elon Eisenberg, *Israel*  
 Nanna Finnerup, *Denmark*  
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 Asbjørn Mohr Drewes, *Denmark*  
 Bart Morlion, *Belgium*  
 André Mouraux, *Belgium*  
 Jürgen Osterbrink, *Austria*  
 Koen Paemeleire, *Belgium*  
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 Dick Tibboel, *The Netherlands*  
 Thomas Tölle, *Germany*  
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 Joop Van Griensven, *The Netherlands*  
 Joyce van Meurs, *The Netherlands*  
 Jan Van Zundert, *Belgium*  
 Stephen Ward, *UK*  
 Chris Wells, *UK*  
 Harriet Wittink, *The Netherlands*

## LOCAL ORGANISING COMMITTEE

Victor Mayoral, *Spain* - Chair  
 Carlos Tornero, *Spain*  
 Carla Gutierrez, *Spain*  
 Juan Antonio Micó, *Spain*  
 Juan Pérez Cajaraville, *Spain*  
 María Ángeles Canos Verdecho, *Spain*  
 César Margarit Ferri, *Spain*

## HONORARY COMMITTEE

### HONORARY MEMBERS

Ulf Lindblom, *Sweden* (deceased)  
 Manfred Zimmermann, *Germany*  
 David Niv, *Israel* (deceased)  
 Harald Breivik, *Norway*  
 Serdar Erdine, *Turkey*  
 Giustino Varrassi, *Italy*  
 Hans G. Kress, *Austria*  
 Chris Wells, *Portugal*  
 Fernando Cervero, *UK*  
 Hermann Handwerker, *Germany*

## PAST SCIENTIFIC PROGRAMME COMMITTEE

### CHAIRPERSONS

Stefano Ischia, <i>Italy</i>	Pain in Europe I	Verona
Douglas Justins, <i>UK</i>	Pain in Europe II	Barcelona
Harald Breivik, <i>Norway</i>	Pain in Europe III	Nice
Daniel Le Bars, <i>France</i>	Pain in Europe IV	Prague
Marshall Devor, <i>Israel</i>	Pain in Europe V	Istanbul
Michael Zenz, <i>Germany</i>	Pain in Europe VI	Lisbon
Martin Koltzenburg, <i>UK</i>	Pain in Europe VII	Hamburg
Oliver Wilder-Smith, <i>The Netherlands</i>	Pain in Europe VIII	Florence
Chris Eccleston, <i>UK</i>	Pain in Europe IX	Vienna
Thomas Toelle, <i>Germany</i>	Pain in Europe X	Copenhagen

## PAST LOCAL ORGANISING COMMITTEE

### CHAIRPERSONS

Giustino Varrassi, <i>Italy</i>	Pain in Europe I	Verona
Ricardo Ruiz-Lopez, <i>Spain</i>	Pain in Europe II	Barcelona
Nadine Memran-Pourcher, <i>France</i>	Pain in Europe III	Nice
Jiří Kozák & Richard Rokyta, <i>Czech Republic</i>	Pain in Europe IV	Prague
Suleyman Ozyalcin, <i>Turkey</i>	Pain in Europe V	Istanbul
José Castro-Lopes, <i>Portugal</i>	Pain in Europe VI	Lisbon
Rolf-Detlef Treede, <i>Germany</i>	Pain in Europe VII	Hamburg
Giustino Varrassi, <i>Italy</i>	Pain in Europe VIII	Florence
Hans G. Kress, <i>Austria</i> & Christian Lampl, <i>Italy</i>	Pain in Europe IX	Vienna
Thomas Graven-Nielsen, <i>Denmark</i>	Pain in Europe X	Copenhagen

## About the European Pain Federation EFIC®



As an organisation, the European Pain Federation EFIC® has been growing steadily over the last 25 years in its core domains of education, research, and advocacy. We have developed into Europe's most important multi-disciplinary and multi-professional organisation in the field of pain medicine, representing the 37 European Chapters of the International Association for the Study of Pain (IASP) with over 20,000 physicians, basic researchers, nurses, psychologists, physiotherapists and other healthcare professionals.

## Benefits to Being a Member of a European Pain Federation EFIC® Chapter

Every member of a European IASP Chapter is automatically also a member of the European Pain Federation EFIC®.

Benefits to being a member include:

- reduced congress registration fees
- free subscription to the European Journal of Pain
- prioritization for places on EFIC® educational projects such as Pain Schools and Examinations

For those who do not have an IASP Chapter in their country, or who wish to benefit from a direct relationship with the Federation, we offer a 'contributing membership' scheme.

## European Pain Federation EFIC® Chapters

NAME OF THE ORGANISATION	CONTACT
Albanian Pain Association	revistadhimbja@yahoo.com
Austrian Pain Association	office@oesg.at
Belgian Pain Society	info@belgianpainsociety.org
Bosnia Herzegovina Pain Association	apt_bh@yahoo.de
British Pain Society	info@britishpainsociety.org
Bulgarian Association for Study and Treatment of Pain	kail_medfac@abv.bg
The Croatian Pain Society	irados11@gmail.com
Czech Pain Society	richard.rokyta@lf3.cuni.cz
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Finnish Association for the Study of Pain	siht@skty.org
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German Pain Society	info@dgss.org
Hellenic Society of Algology	info@algologia.gr
Hungarian Pain Society	szok.delia@med.u-szeged.hu
Irish Pain Society	info@irishpainsociety.ie
Israel Pain Association	paincentre@tasmc.health.gov.il
Italian Association for the Study of Pain	segreteria@aisd.it
Professional Health Association-Pain Section Kosovo	info@pha-ks.com
Latvian Association for the Study of Pain	dr.mihailsarons@gmail.com
Lithuanian Pain Society	skausmo@medicina.lt
Moldovan Association for the Study and Treatment of Pain	contact@neverpain.org
Norwegian Pain Society	astrid.woodhouse@ntnu.no
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Turkish Society of Algology	info@algoloji.org.tr
Ukrainian Association for the Study of Pain	secretary@pain.in.ua

## European Pain Federation EFIC® Educational and Financial Opportunities

EFIC® offers educational and financial support to clinicians and researchers across Europe. You may be aware that financial support is offered to those who need it to cover congress attendance costs; this year we provided around 30,000 euros. However, did you also know that EFIC® also provides places at 4-day 'Pain Schools' targeted at early-career clinicians and researchers? Up to 60 places at these schools per year are funded by EFIC®, with the majority of costs also covered. In 2019, EFIC® also offered bursaries for attendees of its two Examinations; for the European Diplomas in Pain Medicine and Pain Physiotherapy. We hope to offer similar bursaries in the future. To keep up-to-date with the latest news and offers of educational and financial support from EFIC®, join our mailing list and follow us on social media.

 [www.facebook.com/EFICorg](http://www.facebook.com/EFICorg)

 [twitter.com/efic\\_org](https://twitter.com/efic_org)

 [www.linkedin.com/in/efic-european-pain-federation-executive-office-29417725](https://www.linkedin.com/in/efic-european-pain-federation-executive-office-29417725)

 [europeanpainfederation.eu/newsletter](http://europeanpainfederation.eu/newsletter)

## European Pain Federation EFIC® Online Education Platform

Launched in March 2018, the platform features the most comprehensive selection of lectures and presentations recorded at Congresses and Pain Schools hosted by the European Pain Federation, curated and sorted by themes, speakers and keywords.

We aim for the EFIC® Education Platform to become the go-to resource for high quality pain education content, selected and delivered by leaders from the world of pain medicine.

Visit us at: <https://europeanpainfederation.eu/education/EFIC-education-platform>

## European Pain Federation EFIC® Awards

All the posters and oral presentations featured at the EFIC® congress are eligible for awards. This year, EFIC® have partnered with Versus Arthritis, the UK's largest charity dedicated to supporting people with arthritis, to jointly fund and present these awards. Awards are offered in four categories; Pain Syndromes, Basics in Pain, Diagnosis & Measurement in Pain, and Pain Therapies. In addition, each category has a 'young presenter' award, for presenters under the age of 35. Winners are chosen by a panel of experts, focusing on aspects such as originality and scientific/clinical merit.

Along with the abstract prizes, we will also honour the winners of the European Journal of Pain Awards; two awards presented to the authors of the best basic and clinical research papers published in the European Journal of Pain from the period 2017-2018. Finally, we will present the winners of the EFIC®-Grunenthal-Grant (E-G-G), provided to five early career researchers carrying out innovative clinical pain research. Total grant funding comes to 200,000 euros.

### **EXHIBITION: "DRAWINGS OF MY PAIN"**

Featuring illustrations from children, the annual contest "I'm going to draw my Pain," is a powerful and vivid exhibition about paediatric pain organised by the Portuguese Association for the Study of Pain (APED). The exhibition presents a selection of children's drawings of their personal pain experience, with accompanying educational information. The exhibition has been on show in all Portuguese hospitals since 2017 and was accompanied by a small booklet. This project is extremely relevant within the framework of the 2019 Global and European Year against pain in the Most Vulnerable. We are proud to have this commendable initiative of our Portuguese Chapter APED showcased at our EFIC 2019 congress with roll up posters representing the artwork of the exhibition "Drawings of my pain" in the 2nd floor foyer.



## European Pain Federation EFIC® Village

Our EFIC® village will be at the very core of the exhibition space with several activities showcasing the work of our Federation and chapters to advance excellence in pain management, education and research. You will hear directly from our experts about our recent and upcoming scientific and educational projects in the Q&A corner. You will have the chance to network with your colleagues and learn more about our EFIC® Exams and Pain Schools during the dedicated happy hours taking place respectively on 5 and 6 September at 16:00.

In honour of our Presidential Campaign “EFIC® on the move,” promoting pain prevention through physical activity, we will have pedalling stations to make smoothies!

At our EFIC® cafe you will receive delicious espresso, cappuccinos and many other treats just by liking us on social media or subscribing to our newsletters.

Day	Time		EFIC® Village Programme
Wednesday	10:00	10:15	<b>Presentation of the Bulgarian Pain Society</b> <i>Atanas Temelkov/Ralitsa Marinova</i>
	10:15	10:30	
	12:00	12:15	<b>Presentation of the Italian Association for the Study of Pain (AISD)</b> <i>Caterina Aurilio</i>
	12:15	12:30	
	12:30	12:45	<b>EFIC® Position Paper on Cancer Pain Standards</b> <i>Mike Bennett &amp; Elon Eisenberg</i>
	12:45	13:00	
	16:00	16:15	<i>The European Journal of Pain - Q&amp;A with the Editor</i> <i>Luis Garcia-Larrea</i>
	16:15	16:30	
Thursday	10:00	10:15	<b>The European and Global Year Against Pain in the Most Vulnerable project</b> <i>Patricia Schofield &amp; Miriam Kunz</i>
	10:15	10:30	
	12:00	12:15	<i>Presentation of the Spanish Society of Pain (SED)</i> <i>Victor Mayoral</i>
	12:15	12:30	
	12:30	12:45	<b>The EFIC® Core Curriculum of the European Diploma in Pain Nursing</b> <i>Emma Briggs</i>
	12:45	13:00	
	13:00	13:15	<b>Overview of the EFIC® Common Training Framework and the Undergraduate Curriculum</b> <i>Andreas Kopf</i>
	13:15	13:30	
16:00	16:30	<b>EFIC® Pain Medicine (EDPM) and Physiotherapy (EDPP) Exams Happy Hour</b>	
Friday	10:00	10:15	<b>Presentation of the Portuguese Association for the Study of Pain (APED)</b> <i>Ana Maria Pedro</i>
	10:15	10:30	
	12:00	12:15	<b>The EFIC® Diploma in Pain Physiotherapy</b> <i>Harriet Wittink &amp; Brona Fullen</i>
	12:15	12:30	
	12:30	12:45	<b>EFIC® Position Paper on CRPS Standards</b> <i>Andreas Goebel</i>
	12:45	13:00	
	13:00	13:15	<b>EFIC® Position Paper on Cannabinoids</b> <i>Winfried Häuser</i>
	16:00	16:30	<b>EFIC® Pain Schools Networking Happy Hour</b>

# EFIC® Scientific Mobile Application










**PAIN IN EUROPE XI**  
BRINGING THE FUTURE TO  
THE PRESENT

**11<sup>TH</sup> CONGRESS OF  
THE EUROPEAN PAIN  
FEDERATION EFIC®**  
4-7 SEPTEMBER 2019  
VALENCIA, SPAIN



## INFORMATION AT YOUR FINGERPRINTS

We are delighted to offer you great tools to help you get most out of your Pain in Europe XI experience, the scientific programme and the venue.

-  Scientific Programme
-  Abstracts & E-Posters
-  Speaker Profiles
-  Floor Plans
-  Exhibitor Profiles
-  Sponsors
-  General Information A-Z

The Congress App is available free of charge at the Apple iTunes Store and Google Play Store.



## General Information A-Z

### ABSTRACTS

All Pain in Europe XI abstracts are available on the Scientific Mobile Application. The abstracts can also be viewed on the website.

### ATTENDANCE POLICY

All congress activities (including the Opening Ceremony, all scientific sessions, workshops, industry supported sessions, coffee breaks, Exhibition Area, etc.) are exclusively reserved for registered delegates. Non-registered guests (including children, family members, colleagues, etc.) are not allowed in any of the event areas.

Badges provided at registration are required for entrance into all functions and will be strictly enforced.

### Admittance for persons aged under 18

In respect of Spanish and European laws and regulations, as well as due to current health and safety rules and legislation in effect, registration and/or admittance to the EFIC® Congress Pain in Europe XI shall be limited solely to delegates who are 18 years of age or older. Registration by anyone who is under 18 is unauthorised and violation of these terms and conditions will automatically result in the forfeit of their registration. Identification is to be provided to congress staff upon request. Delegates below 18 years of age will not be granted access to any part of the congress at any time. This is also valid for children accompanied by their parents and for any other unregistered person. If access to the congress is needed and no registration is available, the person should contact the registration desk for support.

### APP

The Pain in Europe XI Congress mobile app allows delegates to have access to all congress data from any mobile device. The mobile app includes the scientific programme, sponsor and exhibitor details and additional information regarding the congress. It is available for Apple iOS, Android and Windows Phone and supports smart phones as well as tablet computers. For more information, please see page 18



### ATM / CASH MACHINES:

The nearest cash machine or ATM is located in the neighbouring building which will be available to our delegates. The Food & Beverage facilities accept both credit card (Visa & Mastercard) and cash for lunch or other purchases.

### BADGES

All delegates and exhibitors are required to wear their badges throughout the congress to be admitted to the lecture halls, Exhibition Area and scheduled activities. Name badges can be picked up at the registration area located on Level 4 (Main Entrance) of the Feria Valencia. If a registered delegate has lost or misplaced their name badge, there will be a fee to re-print the badge, regardless of the reason. The delegate will be asked to show a photo identification in order to have the badge re-printed. The fee of €30.00 must be paid at the time of re-printing, either with a credit card or cash. Your badge may be scanned for certificate of attendance purposes, as well as by exhibitors, for database purposes. If you allow your EFIC® 2019 Congress badge to be scanned by the congress staff or an exhibitor / sponsor, you thereby agree that your personal data (name, contact data, address data, organisation), collected by the congress organiser, may be forwarded to EFIC® or the exhibitor / sponsor by whom you have your badge scanned, and EFIC® or the respective company may contact you directly for its own purposes. For your other rights, please read the congress privacy policy you agreed upon in the registration process or under [www.efic-congress.org](http://www.efic-congress.org).

### CHARGING STATIONS FOR SMARTPHONES AND MOBILE DEVICES



Charging stations for smartphones and mobile devices are available in the Exhibition Area as well as in the 2<sup>nd</sup> and 3<sup>rd</sup> level foyer.

### CERTIFICATE OF ATTENDANCE

Your certificate will be delivered electronically after completing the educational evaluation procedure online via the link you will receive following the Pain in Europe XI congress. There will be no paper or physical certificate provided on-site. To receive the maximum number of credits for the hours spent at the congress, you must have scanned your badge twice daily at the designated scanning points. If a delegate did not have their badge scanned, the delegate will receive a certificate of attendance with no credits indicated.

### CLOAKROOM / LUGGAGE STORAGE:

The cloakroom / luggage storage, where you may store your things on a day-to-day basis free of charge, is located near the main entrance behind the Valencia Information Desk. The European Pain Federation EFIC®, the congress organisers, and the venue do not assume responsibility for items left at the cloakroom. Anything left here overnight will be taken to Lost & Found.

The cloakroom will be open at the congress centre as follows:

## General Information A-Z

Tuesday, 3 September .....14:00 - 19:00  
 Wednesday, 4 September .....07:30 - 20:00  
 Thursday, 5 September .....07:30 - 20:00  
 Friday, 6 September .....07:30 - 18:30  
 Saturday, 7 September .....07:30 - 15:30

### DOCUMENTING / RECORDING:

Any form of duplication (recording, audio taping, photography and / or video) of sessions is prohibited without expressed written consent of the author and congress organiser. Please do not use your mobile device to duplicate or record any sessions. We kindly ask that delegates DO NOT photograph, record, film or use a cell phone to capture images of presentations at any time during the congress, as well as on the poster and exhibition floors. Please note that you may be photographed, videotaped, and/or recorded during the congress by the official Pain in Europe XI photography or video team.

To protect, among other things, the personal information of our delegates, you agree not to reproduce, perform, display, or upload any photographs of sessions and presentations.

### EMERGENCY NUMBERS

Spain Emergency Number: 112

### EXHIBITION:

The Exhibition Area is located on Level 1 (Lowest Level). The Exhibition opening times are as follows:

Wednesday, 4 September .....09:30 - 21:30  
 Thursday, 5 September .....09:30 - 18:00  
 Friday, 6 September .....09:30 - 18:00

In the Exhibition Area, you will find food outlets, posters walks, e-posters stations, session halls (EFIC Hall and Hall 1B), the Open Auditorium, daily yoga sessions and the EFIC® Village.

### EXHIBITION ACCESS FOR PATIENTS AND PATIENT ADVOCATES IS RESTRICTED

For medical congresses taking place in Europe, all delegates as well as all contributors are subject to European laws, rules and regulations clarified by the 'Directive 2001/83/EC of the European Parliament and of the Council of 6 November 2011 on the Community code relating to medicinal products for human use'. The relevant European laws, rules and regulations and their Spanish application clearly state that: Patients and patient advocates should have no access to the areas where prescription medicines are promoted and should not receive any materials containing product advertisements (irrespective of their nationality). Patients and Patient Advocates will be asked to follow a specifically indicated

route within the Exhibition Area to access the food outlets, posters walks, e-posters stations, session halls (EFIC Hall and Hall 1B), the Open Auditorium, daily yoga sessions and the EFIC® Village.

### FILMS, VIDEO AND FOOTAGE

Please be advised that photographs and video recording may be taken at the Pain in Europe XI congress. By participating in the congress, you consent to the publication, release, exhibition or reproduction of such photos to be used for the European Pain Federation EFIC® website, blog, social media and promotion of future congresses. By entering the congress, you agree to each of the following:

- You consent to be photographed, filmed and or otherwise recorded in connection with, or as part of EFIC® journalistic, advertising, marketing, promotional, archival and/or security activities;
- You consent to such photography, filming and / or recording and to any use, in any and all media throughout the world in perpetuity, without compensation to you, of your appearance, voice and /or name for the above noted purposes;
- You understand that all photography, filming and/or recording will be done in reliance on these consents given by you by entering the congress.

If you do not wish to be photographed or filmed via the official congress photography and video team, kindly inform representatives of your preference.

### FIRST AID

The First Aid room is located on the 1st level (lowest level of congress centre).

### FOOD & BEVERAGE

The following food & beverage is included in the price of registration.

- Opening Ceremony, taking place at 18:15 on Wednesday, 4 September, in the EFIC Hall
- Daily coffee breaks, taking place inside the exhibition area on the lowest level
- Complimentary farewell lunch, taking place at 12:15 on Saturday, 7 September, in the 1st level foyer

All food & beverage will be served inside the Exhibition Area on the 1st level. Lunches are available for purchase for all congress delegates. Food stations will have daily warm (€12) and cold (€7) lunch options and drinks served starting at 12:00. A meal ticket can be purchased throughout the exhibition area at any time throughout the exhibition opening times.

You are welcome to visit the European Pain Federation EFIC® Village for a complimentary coffee and smoothies. Credit Cards (Visa & MasterCard) and cash will be accepted at the F&B stands.

## General Information A-Z

### HASHTAG

Use the #EFIC2019 hashtag to let your friends and colleagues know you are participating in Pain in Europe XI! All photos with an event-hashtag will be automatically printed out (unless the person's account is private). Please come to pick up your picture at the Photo Booth located in the European Pain Federation EFIC® Village, at the entrance to the Exhibition Area.

### INSURANCE & LIABILITY

EFIC®, the congress organisers and the congress venue cannot accept liability for personal injury, accidents, loss or damages to private property of delegates, either during or indirectly arising from EFIC Congress 2019 "Pain in Europe XI". Delegates are advised to take out their own personal travel and health insurance for their travels and stay in Valencia.

### INTERNET AND WI-FI SERVICES

Internet Stations are available in the Exhibition Area during exhibition hours as well as in the foyer on the second level.

Wi-Fi Connection is available throughout the venue for all congress delegates.

Network Name: **EFIC2019**

Password: **efic2019**

### LANGUAGE

The official language is English. There are a number of Spanish language sessions also available. Please refer to the congress scientific programme for more details.

### LITERATURE CENTRE

Partner Organisations who would like to promote their upcoming meetings and/or programs are invited to display materials at the Literature centre, located in the Exhibition Area, near the posters.

### LOST & FOUND

Anything left in the congress venue public areas, left in the cloakroom, or found in any of the meeting rooms will be brought to the room 4A at the end of the day. Please visit the Registration counter for assistance.

### LUNCH AND COFFEE BREAKS

Food stations will have daily warm (€12) and cold (€7) lunch options and drinks served starting at 12:00. A meal ticket can be purchased throughout the Exhibition Area at any time throughout the exhibition opening times.

Daily coffee breaks are taking place inside the Exhibition Area.

For more information, please see Food & Beverage section on page 20

### MOBILE TELEPHONES

Mobile telephones should be on silent mode during all sessions. Mobile telephones may be required in order to participate in some of the Q&A sessions. Please download the congress App, which can be used on both Apple and Android phones. Please see app section (page 18 ) for more information

### NETWORKING EVENT

The Networking Evening will take place on the evening of 6 September at the Oceanogràfic, the largest marine park in Europe, located at the well-known "City of Arts & Sciences". More information can be found on page 28.

### OPEN AUDITORIUM SESSIONS

The Open Auditorium is located in the centre of the Exhibition Area directly in front of the EFIC Hall.

Please see the Open Auditorium programme on page 40

### OPENING SESSION AND CEREMONY

The Opening Ceremony will be taking place at 18:15 on 4 September in the EFIC Hall, located in the Exhibition Area on the 1st level (lowest level).

Welcome - President of the European Pain Federation EFIC®

*Bart Morlion*

Welcome - Chair of the Scientific Programme Committee

*Frank Huygen*

Welcome - President of IASP

*Lars Arendt-Nielsen*

EKG Grant Award Ceremony

*Gisele Pickering*

EJP Prize Award Ceremony

*Barbara Przewlocka*

European Diploma in Pain Medicine ceremony

*Brona Fullen and Harriet Wittink*

European Diploma in Pain Physiotherapy ceremony

*Bart Morlion*

# General Information A-Z

## OPENING HOURS

DATE	DAY	Registration Open	Exhibition Open	Poster Help Desk	Press Room	Speakers Service Centre
3 September	Tuesday	14:00 - 19:00		14:00 - 19:00		14:00 - 19:00
4 September	Wednesday	07:30 - 20:00	09:30 - 21:30	08:00 - 19:30	08:30 - 17:30	07:30 - 18:00
5 September	Thursday	07:30 - 20:00	09:30 - 18:00	08:00 - 19:30	08:30 - 18:00	07:30 - 18:00
6 September	Friday	07:30 - 18:30	09:30 - 18:00	08:00 - 19:30	08:30 - 18:00	07:30 - 18:00
7 September	Saturday	07:30 - 15:30			08:30 - 15:00	07:30 - 13:00

### PRESS

The EFIC Press Room is located in room 3H on the 3rd level.

Journalists, writers or bloggers may register and attend Pain in Europe XI, however media accreditation for congress will only be awarded to those able to demonstrate that they work for a recognised media organisation and/or that they are on an official assignment from a recognised media organisation.

All media delegates are encouraged to apply for accreditation in advance for a smoother check-in experience and ensured entry. EFIC® reserves the right to accept or reject any request for media credentials.

### PUBLIC TRANSPORTATION

Public Transportation Stations nearest to Feria Valencia:

Tram: Fires(impar) - Cementeri

Bus: Fira Valencia

Metro: Les Carolines/Fira

For metro (subway and tram) and bus (EMT) transport it is possible to buy cards called bonos in kiosks and tobacco shops. These are used for 10 journeys. The cards are contactless and can be topped up and changed to different types once empty. There are a few different cards, so make sure you get the right one for your trip. The Metro only paper tickets are sold at the metro ticket machines. For a plastic card that includes bus, you will need to buy at tobacco shops, authorised kiosks, and Metro stations.

From the congress venue to the Valencia Airport, a taxi is the easiest way to travel and is only a short drive away.

From the city centre, the Metro Lines 3 and 5 will bring you directly to the airport.

### REGISTRATION

The Registration Desk will be open at the congress centre as follows:

Tuesday, 3 September	14:00 - 19:00
Wednesday, 4 September	07:30 - 20:00
Thursday, 5 September	07:30 - 20:00
Friday, 6 September	07:30 - 18:30
Saturday, 7 September	07:30 - 15:30

Included in the Registration fee is the following:

- Participation in all scientific sessions (apart from specific sessions where indicated)
- Access to industrial exhibition and industry sponsored programme
- Congress bag
- Poster sessions and Open Auditorium sessions
- Coffee breaks as per times scheduled in the scientific programme
- Opening Ceremony
- Welcome Reception and Farewell Lunch
- Mini-Programme

### SMOKING

Pain in Europe XI is a strictly non-smoking event. The designated smoking area is outside the main entrance on the 4th level.

### SOCIAL MEDIA

Join our Online Community! Benefit from the lively exchange of ideas and information related to pain and pain medicine.

 [www.facebook.com/EFICorg](http://www.facebook.com/EFICorg)

 [twitter.com/efic\\_org](https://twitter.com/efic_org)

 [www.youtube.com/user/EFICorg](https://www.youtube.com/user/EFICorg)

When at the congress, don't forget to tweet using the #EFIC2019 hashtag.

# General Information A-Z

## **SPEAKERS SERVICE CENTRE**

Located on the 2nd level, in rooms 2C, 2B, and 2A. We ask that all speakers come to the Speakers Service Centre as soon as possible to hand in their presentations, at the very latest 2 hours before your scheduled session.

Speakers Service Centre Opening Hours:

Tuesday, 3 September . . . . .14:00 - 19:00  
 Wednesday, 4 September . . . . .07:30 - 18:00  
 Thursday, 5 September . . . . .07:30 - 18:00  
 Friday, 6 September. . . . .07:30 - 18:00  
 Saturday, 7 September . . . . .07:30 - 13:00

## **TAXES:**

In Spain, the standard Value Added Tax (VAT) is 21%.

## **TAXIS:**

Radio Taxi +34 96 370 33 33  
 Tele Taxi +34 96 357 13 13

## **TOURIST INFORMATION**

There is a tourist information point located on the left side of the Entrance Foyer on the 4th Level. You may visit the Valencia Tourist Info desk during the congress general opening times. You will also find a tourist point with specific information relevant for Pain in Europe XI delegates at the Valencia Airport, as well as multiple places in the city centre.

## **VENUE**

Feria Valencia  
 Avda. de las ferias s/n  
 46035 Valencia  
 Spain  
[www.feriavalencia.com/en/](http://www.feriavalencia.com/en/)

## **WELLBEING AND YOGA**

Join us for a morning yoga session at 07:30 every day of the congress. Meet us in the Exhibition Area, behind the Participants List. Mats will be provided on a first come first serve basis. You may also bring your own mat. The yoga practice will be appropriate to all yoga levels. It is recommended to wear comfortable clothes. Changing areas will be provided.

## **WIFI**

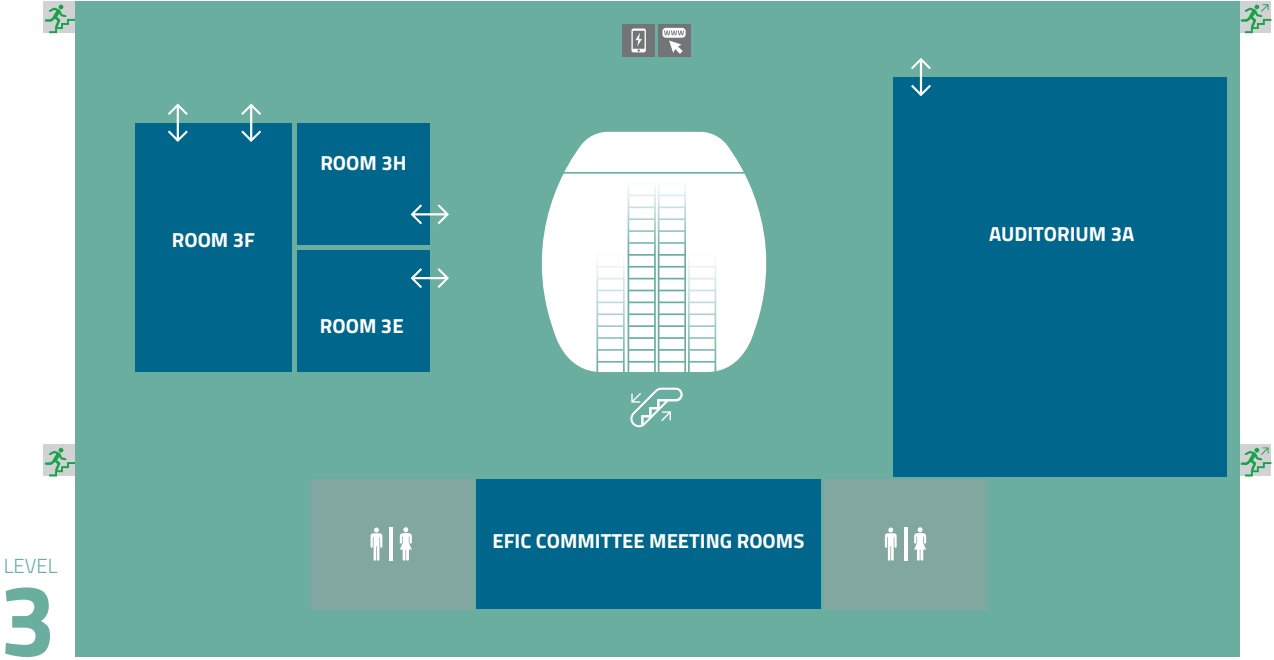
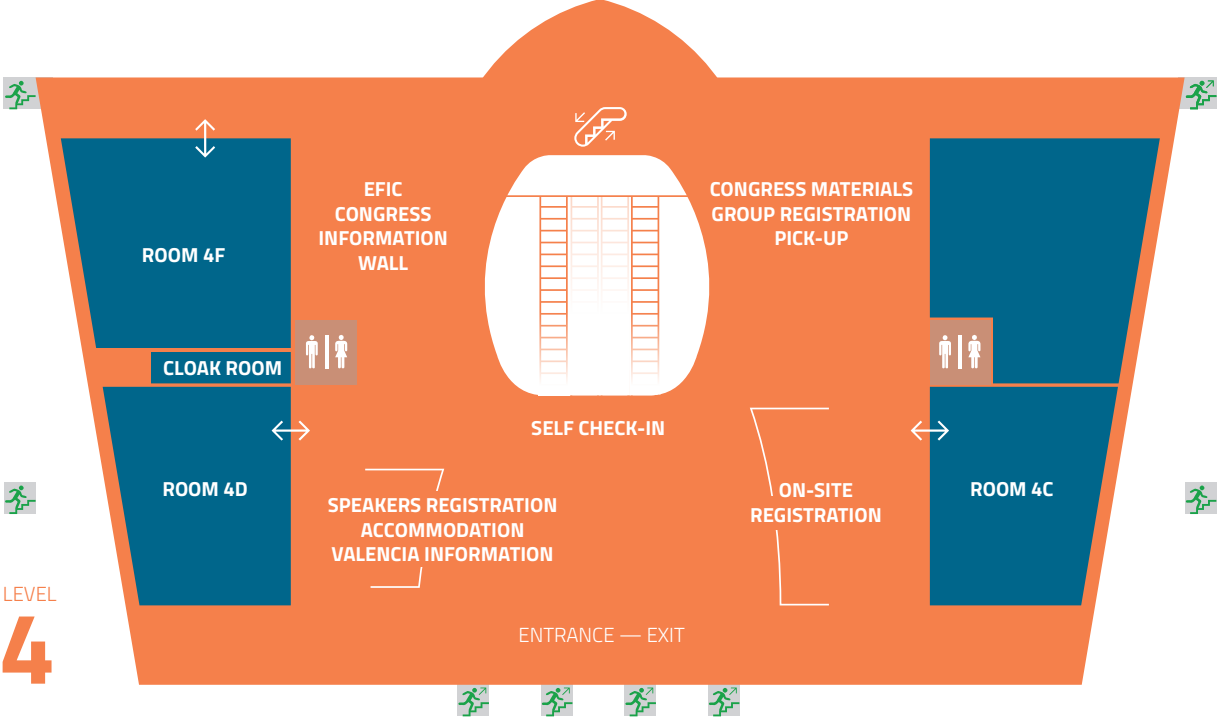
Please see internet section on page 21

# Venue Floor Plan Congress Centre

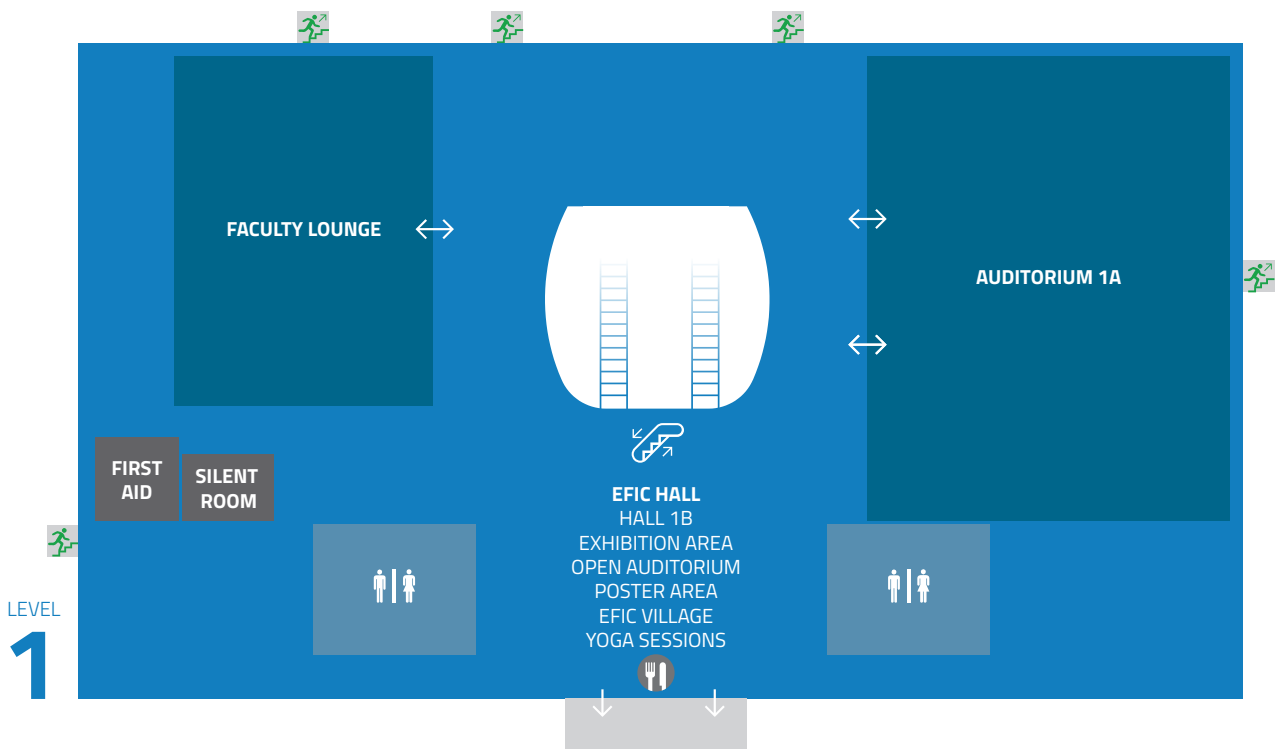
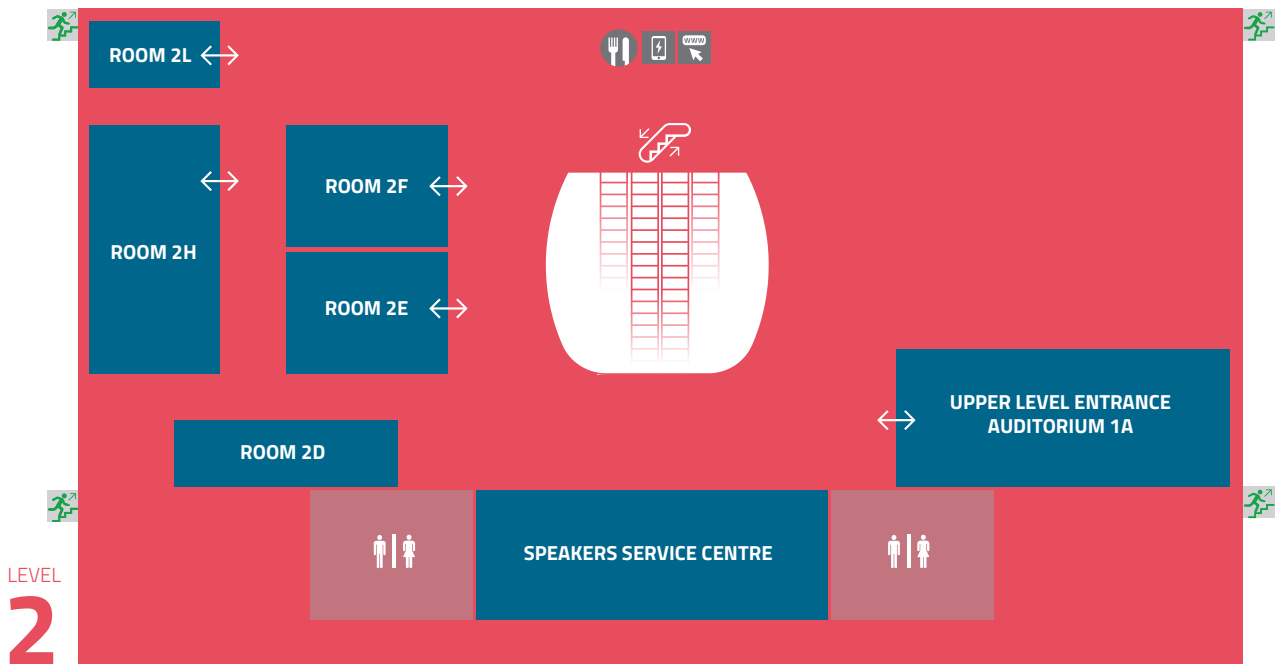




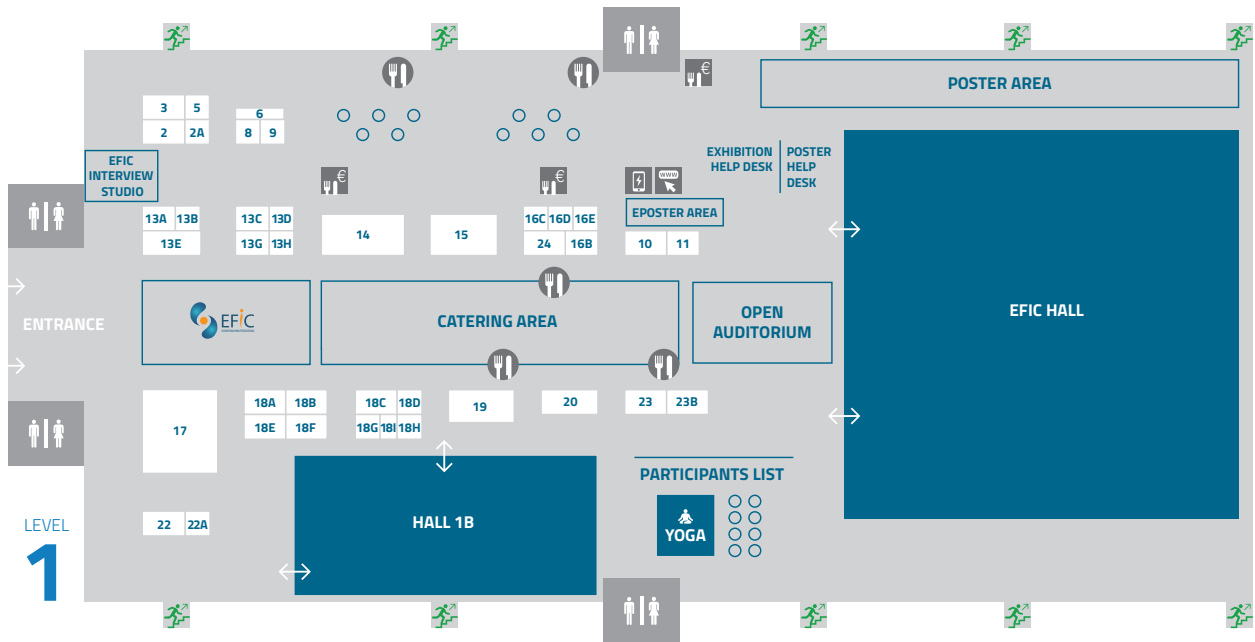
# Venue Floor Plan Congress Centre



# Venue Floor Plan Congress Centre



# Venue Floor Plan Exhibition



# Networking Events

## OPENING CEREMONY

### Wednesday, 4 September, 18:15 | EFIC® Hall

PRESIDENT OF THE EUROPEAN PAIN FEDERATION  
EFIC®

*Bart Morlion, Belgium*

CHAIR OF THE SCIENTIFIC PROGRAMME  
COMMITTEE

*Frank Huygen, The Netherlands*

PRESIDENT OF THE INTERNATIONAL ASSOCIATION  
FOR THE STUDY OF PAIN (IASP)

*Lars Arendt-Nielsen, Denmark*

EFIC® GRÜNENTHAL GRANT AWARD

*Gisele Pickering, France, Chair of the Research  
Committee*

European Journal of Pain Prize Award

*Barbara Przewlocka, Poland, Chair of the Working  
Group on Grants and Prizes*

European Diploma in Pain Medicine ceremony:

*Brona Fullen, Ireland, President-Elect of EFIC® and  
Andreas Kopf, Germany, Chair of the Education  
Committee*

European Diploma in Pain Physiotherapy ceremony:

*Bart Morlion, Belgium, President of EFIC® and  
Harriet Wittink, The Netherlands*

## WELCOME RECEPTION

### Wednesday, 4 September, 19:30 Exhibition Area

All registered delegates are invited to join us for the  
Welcome Reception.

## NETWORKING EVENING

COCKTAIL RECEPTION AND VISIT TO  
OCEANOGRÀFIC AT THE CITY OF ARTS AND  
SCIENCES

### Friday, 6 September, 19:30 | Valencia Oceanogràfic

After days of inspiring lectures and workshops, we invite you to spend an evening networking with colleagues and like-minded professionals at the magnificent Oceanogràfic. This marine park is not only the largest in Europe, it is also home to the longest underwater tunnel and the only family of beluga whales in Europe. Do not miss this chance to enjoy the evening with fellow Pain in Europe XI delegates in a truly unique setting. It will definitely be an event you won't soon forget!

Located in the avant-garde architectural complex of Ciutat de les Arts i les Ciències in Valencia, the aquarium is a true tribute to the seas and oceans of the planet and contains large aquariums which faithfully reproduce the most important marine ecosystems.

Tickets include exclusive entrance into the largest marine park in Europe and a standing dinner reception with drinks.

Tickets for this evening are limited and are only available to registered Pain in Europe XI delegates, so please visit the registration desk to secure your place.

We look forward to seeing you there!



## CME Accreditation

### EDUCATIONAL OBJECTIVES

After attending this event, delegates should be able to:

- Explain the latest developments in the field of acute, postoperative and chronic pain
- Review interventional techniques such as nerve blocks and neuromodulation.
- Describe barriers to adequate availability and accessibility of opioids.
- Evaluate post-surgical pain management.
- Describe research investigations on medical cannabis for cancer and chronic pain.
- Discuss all aspects of conservative pain management such as medication, acupuncture, hypnosis and exercise
- Assemble a valuable network of international colleagues.
- Evaluate and debate new trends, techniques, therapies, and diagnostic procedures.
- Address individual needs in compliance with their Continuous Professional Development (CPD) plan.

### TARGET AUDIENCE

Multi-disciplinary pain specialists; scientists, physicians, nurses, psychologists, physiotherapists and other health-care professionals are the target audience for Pain in Europe XI. The diverse, clinically focused offering allows delegates to tailor curriculum to needs of international clinicians of all levels of experience.

### ACCREDITATION STATEMENT AND CREDIT DESIGNATION

#### EUROPEAN ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION (UEMS/EACCME)

The 11th Congress of the European Pain Federation, Valencia, Spain, 04/07/2019-07/07/2019 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 26 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

The EACCME is an institution of the European Union of Medical Specialists (UEMS): [www.uems.net](http://www.uems.net)

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at [www.ama-assn.org/education/earn-credit-participation-international-activities](http://www.ama-assn.org/education/earn-credit-participation-international-activities).

Live educational activities, occurring outside of Canada, recognised by the UEMS- EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

### MAXIMUM CREDITS - DAY BREAKDOWN

Wednesday, 4 September.....	7
Thursday, 5 September.....	7
Friday, 6 September.....	7
Saturday, 7 September.....	5

### HOW TO RECEIVE YOUR CME/CPD CERTIFICATE

An email will be sent to all delegates after the congress with a link to the online evaluation. The CME/CPD certificate will be available after completing the online evaluation and credit claiming procedure. The process takes about 5 minutes. We thank you for your feedback as it is an important part of CME/CPD accreditation and helps improve future educational offerings.

Before 11 October 2019:

1. Access the online system via the link in the email sent at the end of the event
2. Complete the anonymous online evaluation
3. Complete the credit claim form and submit
4. The CME/CPD certificate will be available for download; fill-in and retain for your personal records

There are no printed certificates. To receive your CME credits, you must have scanned your badge twice per day on each day of attendance. Badges can be scanned at various CME Scanning points throughout the venue.

Certification Scanning Times:

Morning sessions .....	12:00 - 15:00
Afternoon sessions .....	16:30 - 19:00

### DISCLOSURE AND RESOLUTION OF PERSONAL CONFLICTS OF INTEREST

In accordance with CME/CPD accreditation criteria and standards for commercial support to ensure balance, independence, objectivity, and scientific rigor, those in control of the educational content must disclose potential or actual conflicts of interest. Disclosure information will be evaluated, and conflicts of interest will be resolved. Disclosure will be made available to delegates prior to the activity. Delegates will be asked on the evaluation to assess the objectivity and independence of the event.

Disclosure information will be available online at least a week prior to the start of the Pain in Europe XI.

### INDUSTRY SUPPORT DISCLOSURE

This event is supported, in part, by funding from Industry. All support is managed in strict accordance with CME/CPD accreditation criteria and standards for commercial support. Appropriate acknowledgement of all supporting organisations is made in the programme book, on the event website, and with signage during the event. A list of all industry supporters is available in the Industry Support and Exhibition section at the back of the programme book. Detailed programmes for all Industry Supported Sessions are available on page 207.

## Wednesday, 4 September

	EFIC Hall	Auditorium 1A	Hall 1B	Auditorium 3A
08:30	IMI-PAINCARE - IMPROVING THE CARE OF PATIENTS SUFFERING FROM ACUTE OR CHRONIC PAIN ▲		EXERCISE: IMPACT AND MEASUREMENT ▶▶	
10:00	COFFEE BREAK, EXHIBITION, POSTER VIEWING			
10:30	PAIN OUT: PROGRESSION TO THE NEXT STAGE ▲ ◯	IMPROVING NON-INVASIVE BRAIN STIMULATION IN PAIN THERAPY BY UNDERSTANDING AND IMPLEMENTING CIRCUIT MECHANISMS	INFLAMMATORY MARKERS OF CHRONIC PAIN AND PAIN SENSITIVITY - USING BIOMARKER PANELS FOR MOLECULAR DISCOVERY IN HUMANS	PAIN DURING AGING PHYSIOTHERAPISTS TRACK
12:00	COFFEE BREAK, EXHIBITION, POSTER VIEWING			
13:00	IMPROVING THE DIAGNOSIS AND MANAGEMENT OF NEUROPATHIC CANCER PAIN		PERSONALISED MECHANISTIC PAIN MEDICINE USING QUANTITATIVE SENSORY TESTING (QST)	HEADACHE AND OROFACIAL PAIN
14:30	SOCIETAL IMPACT OF PAIN - CHANGING PAIN MEDICINE THROUGH POLITICAL ACTION ▣		FACTORS AFFECTING CONDITIONING PAIN MODULATION IN ANIMAL, HUMAN-EXPERIMENTAL AND LARGE-SCALE COHORT STUDIES	ASSESSMENT OF PAIN PHYSIOTHERAPISTS TRACK
16:00	COFFEE BREAK, EXHIBITION, POSTER VIEWING			
16:30	NEUROMODULATION - WHERE ARE WE GOING TO? A VIEW IN THE FUTURE OF STIMULATION THERAPIES			
17:00	DAVID NIV LECTURE INTERDISCIPLINARY APPROACHES TO CHRONIC PAIN PATIENTS			
17:30	GENDER AND MIGRAINE			
18:00	SHORT BREAK			
18:15	OPENING CEREMONY			
19:30	WELCOME RECEPTION			





\* INDUSTRY SESSION NOT INCLUDED IN MAIN EVENT CME/CPD CREDIT

# Wednesday, 4 September

	Room 3F	Room 2H	Room 4C	Room 4F
08:30		CORE DATA AND PERFORMANCE MEASUREMENT FOR CHRONIC PAIN: A PROJECT TO INFORM NATIONAL, AND INTERNATIONAL, IMPROVEMENT IN CHRONIC PAIN TREATMENT AND PROVISION ☑		ORAL COMMUNICATIONS 1
10:00	COFFEE BREAK, EXHIBITION, POSTER VIEWING			
10:30	EUROPEAN E- HEALTH TOOL TO (PRE)SELECT SPINAL CORD STIMULATION PATIENTS	GENETIC GUIDED PHARMACOLOGICAL PAIN THERAPY II: CLINICAL IMPLEMENTATION: BENEFITS, CHALLENGES AND PITFALLS	BEYOND WORDS: EXPLORING FACIAL, VOCAL AND BODILY COMMUNICATION OF PAIN ACROSS THE LIFESPAN ⊗	ORAL COMMUNICATIONS 2
12:00	COFFEE BREAK, EXHIBITION, POSTER VIEWING			
13:00	TARGETING THE DRG - A NEW PARADIGM FOR NEUROPATHIC PAIN	PLACEBO EFFECTS ON PAIN: FROM THE LAB TO THE CLINIC ⬡	OPPOSING EMOTIONAL ATTITUDES MAY ALL LEAD TO HYPOALGESIA: THE ROLE OF OPTIMISM, PESSIMISM AND ALEXITHYMIA	ORAL COMMUNICATIONS 3
14:30	USING EVOKED COMPOUND ACTION POTENTIALS (ECAPS) TO ELUCIDATE MECHANISMS OF ACTION AND IMPROVE CLINICAL PREDICTABILITY AND LONG-TERM COMPLIANCE OF SPINAL CORD STIMULATION	ADVANCES TOWARD PRECISION PAIN MEDICINE	THE EFFECTS OF PAIN ON ATTENTION AND LEARNING - OLD PROBLEM, NEW INSIGHTS	ORAL COMMUNICATIONS 4
16:00	COFFEE BREAK, EXHIBITION, POSTER VIEWING			

Plenary	Workshop: Headache	Workshop: Pain Syndromes	Workshop: Psychology	Workshop: Pharmacological Topics	Workshop: Neuromodulation	Workshop: Neuropathic Pain	Workshop: Basic Science	Workshop: Low Back Pain
Workshop: CRPS	Refresher Course: Headache	Refresher Course: Pain Syndromes	Refresher Course: Psychology	Workshop: General	Patient Care	Refresher Course: Neuropathic Pain	Refresher Course: Basic Science	Refresher Course: Low Back Pain
Spanish-language Track	Late-Breaking: Headache	Oral Communications	Industry Supported Session	Networking	Break	Special Session	Workshop: Musculoskeletal	Refresher Course: Visceral Pain

# Thursday, 5 September

	EFIC Hall	Auditorium 1A	Hall 1B	Auditorium 3A
08:30	THE ROLE OF THE IMMUNE SYSTEM IN PAIN			
09:00	THE ROLE OF GENETICS IN PAIN			
09:30	PAIN AND OPIOIDS IN CANCER CARE: BENEFITS, RISKS, AND ALTERNATIVES			
10:00	COFFEE BREAK, EXHIBITION, POSTER VIEWING			
10:30	HOW TO CONDUCT DIAGNOSTIC TESTS IN PATIENTS SUSPECTED OF NEUROPATHIC PAIN 	NEW ASPECTS OF COMPLEX REGIONAL PAIN SYNDROME 	AVOIDANCE BEHAVIOR IN PAIN: INSIGHTS FROM ASSOCIATIVE LEARNING, COMPUTATIONAL MODELING AND BRAIN IMAGING	ACUTE AND POSTSURGICAL PAIN
12:00	SHORT BREAK, EXHIBITION, POSTER VIEWING			
12:15	LUNCH BREAK, EXHIBITION, POSTER VIEWING	INDUSTRY SUPPORTED SESSION	INDUSTRY SUPPORTED SESSION	INDUSTRY SUPPORTED SESSION
13:45	PAIN AT THE EDGES OF THE LIFE SPAN; WHERE PEDIATRICS MEETS GERIATRICS			
14:30	NEW TRENDS IN PAINFUL DIABETIC NEUROPATHY 	NEW TRENDS IN TRIGEMINAL NEURALGIA 	ADDRESSING THE ELEPHANT IN THE ROOM: A DETAILED EXPLORATION OF DIAGNOSTIC UNCERTAINTY IN ADULT AND PAEDIATRIC CHRONIC PAIN SETTINGS	CANCER (RELATED) PAIN PHYSIOTHERAPISTS TRACK
16:00	COFFEE BREAK, EXHIBITION, POSTER VIEWING			
16:30	PHENOTYPING NEUROPATHIC PAIN AFTER 25 YEARS OF RESEARCH: WHERE DO WE STAND, WERE DO WE GO?	NEW FINDINGS IN CLINICAL PAIN RESEARCH: RESULTS FROM FORMER E-G-G-WINNERS	PAIN PSYCHOLOGY COMING OF AGE: FOUNDATIONS, EVIDENCE, AND INNOVATIONS	VISCERAL PAIN
18:00	SHORT BREAK, EXHIBITION, POSTER VIEWING			
18:15				

\* INDUSTRY SESSION NOT INCLUDED IN MAIN EVENT CME/CPD CREDIT



# Thursday, 5 September

	Room 3F	Room 2H	Room 4C	Room 4F
08:30				
10:00	COFFEE BREAK, EXHIBITION, POSTER VIEWING			
10:30	DOES NGF NEUTRALISING THERAPY FULFILL ITS PROMISE AS NOVEL ANALGESIC DRUG?	ALTERED NOCICEPTIVE PROCESSING IN MIGRAINE AND TENSION TYPE HEADACHE: DIFFERENCES AND SIMILARITIES IN QUANTITATIVE SENSORY TESTING (QST) PROFILES AND BIOMARKERS	PERIPHERAL AND CENTRAL MECHANISMS UNDERLYING THE TRANSITION OF ACUTE TO CHRONIC MUSCULOSKELETAL PAIN	PATIENT ENCOUNTERS AND COMPLIANCE WITH TREATMENT RECOMMENDATIONS ➤➤
12:00	LUNCH BREAK, EXHIBITION, POSTER VIEWING			
12:15				
13:45				
14:30	OPIOID INDUCED BOWEL DYSFUNCTION (OIBD) WITH A FOCUS ON OPIOID INDUCED CONSTIPATION AND OPIOID INDUCED NAUSEA; FROM MODEL TO CLINICAL PRACTICE ⬡	TACKLING PAIN IN VULNERABLY OLD INDIVIDUALS SUFFERING FROM DEMENTIA ⬢⬢	TEMPORAL DYNAMICS OF SENSITISATION ALONG A CONTINUUM OF SPINAL PAIN ⬡	THE PATIENTS PERSPECTIVE: HOW TO LIVE AND WORK WITH CHRONIC PAIN
16:00				
16:30	KETAMINE FOR REFRACTORY PAIN: PHOENIX OR BLACK SHEEP? ⬡	OVERGENERALISATION: THE MISSING LINK BETWEEN CHRONIC PAIN AND DEPRESSION	I GOT THEM ALL: PATHOPHYSIOLOGY AND TREATMENT OF OVERLAPPING PAIN CONDITIONS	HOW CAN PATIENT BE HELPED IN THEIR PATIENT DOCTOR RELATIONSHIP
18:00	SHORT BREAK, EXHIBITION, POSTER VIEWING			
18:15	INDUSTRY SUPPORTED SESSION	INDUSTRY SUPPORTED SESSION	INDUSTRY SUPPORTED SESSION	INDUSTRY SUPPORTED SESSION




Plenary	Workshop: Headache	Workshop: Pain Syndromes	Workshop: Psychology	Workshop: Pharmacological Topics	Workshop: Neuromodulation	Workshop: Neuropathic Pain	Workshop: Basic Science	Workshop: Low Back Pain
Workshop: CRPS	Refresher Course: Headache	Refresher Course: Pain Syndromes	Refresher Course: Psychology	Workshop: General	Patient Care	Refresher Course: Neuropathic Pain	Refresher Course: Basic Science	Refresher Course: Low Back Pain
Spanish-language Track	Late-Breaking: Headache	Oral Communications	Industry Supported Session	Networking	Break	Special Session	Workshop: Musculoskeletal	Refresher Course: Visceral Pain

# Friday, 6 September




	EFIC Hall	Auditorium 1A	Hall 1B	Auditorium 3A
08:30	TRP CHANNELS IN ACUTE AND PERSISTENT PAIN			
09:00	CENTRAL ORIGINS OF PAIN SENSITISATION: TRANSLATIONAL STUDIES			
09:30	BRINGING THE FUTURE TO THE PRESENT - THE EVOLUTION OF DIGITAL HEALTH(CARE) (PAIN) MEDICINE			
10:00	COFFEE BREAK, EXHIBITION, POSTER VIEWING			
10:30	SUB-TYPE SPECIFIC SODIUM CHANNEL BLOCKERS AS NOVEL ANALGESIC DRUGS - ARE WE NEARLY THERE, YET?	DO THOUGHTS AND FEELINGS REALLY MATTER WHERE SPINAL CORD STIMULATORS ARE CONCERNED?	NEUROIMMUNE ACTIVATION IN CHRONIC MUSCULOSKELETAL PAIN - LESSONS FROM RECENT PET STUDIES AND CSF ANALYSIS IN MULTIPLE PATIENT COHORTS	NEUROBIOLOGY OF PAIN PHYSIOTHERAPISTS TRACK
12:00	SHORT BREAK			
12:15	LUNCH BREAK, EXHIBITION, POSTER VIEWING	INDUSTRY SUPPORTED SESSION	INDUSTRY SUPPORTED SESSION	INDUSTRY SUPPORTED SESSION
13:45	ULF LINDBLOM LECTURE - WHAT IS THE ROLE OF PAIN SCIENCE EDUCATION IN THE TREATMENT ALGORITHM OF PAIN?			
14:30	A NEW LOOK AT THE INTERVERTEBRAL DISC AS A PAIN GENERATOR	IS THERE AN OPIOID EPIDEMIC IN EUROPE? ⬡	THE FUTURE IS NOW: DIGITAL TECHNOLOGIES FROM ASSESSMENT TO TREATMENT ⬡	PSYCHOSOCIAL ASPECTS OF PAIN PHYSIOTHERAPISTS TRACK
16:00	COFFEE BREAK, EXHIBITION, POSTER VIEWING			
16:30	CRITICAL VIEW ON THE RECENT LITERATURE ON RADIOFREQUENCY TREATMENT FOR LUMBAR FACET JOINT PAIN	NEW SUBSTANCES AS A NEW POSSIBILITIES FOR PAIN TREATMENT	PREVENTION OF WORK DISABILITY; IMPLEMENTING A 'WHOLE-SYSTEMS' APPROACH ⬢⬢	NEUROPATHIC PAIN PHYSIOTHERAPISTS TRACK

\* INDUSTRY SESSION NOT INCLUDED IN MAIN EVENT CME/CPD CREDIT

# Friday, 6 September



	Room 3F	Room 2H	Room 4C	Room 4F				
08:30								
10:00	COFFEE BREAK, EXHIBITION, POSTER VIEWING							
10:30	RADICULAR PAIN - AN UPDATE ON CLINICAL PRESENTATION, CLASSIFICATION AND MULTIPROFESSIONAL MANAGEMENT OF A COMPLEX CONDITION 	LATE BREAKING ORAL COMMUNICATIONS	THE ADVANTAGES AND DISADVANTAGES OF AN INSTITUTIONAL APPROACH TO PAIN ASSESSMENT. EXPERIENCE FROM CANCER AND PERIOPERATIVE CARE IN THE UK AND EUROPE	SINDROME CIRUGÍA FALLIDA COLUMNA. LAS TÉCNICAS INTERVENCIONISTAS PUEDEN AYUDARNOS?				
12:00	SHORT BREAK							
12:15	INDUSTRY SUPPORTED SESSION	LUNCH BREAK, EXHIBITION, POSTER VIEWING		SPANISH SOCIETY MEETING: TRAINING PLAN OF THE SPANISH PAIN SOCIETY AND ITS ORIENTATION TOWARDS THE EDPM				
13:45								
14:30	MECHANISTIC EPIDEMIOLOGY OF PERSISTENT PAIN	"UNRAVELLING PAIN IN INFLAMMATORY DISEASES: FROM NOCICEPTION TO COMPLEX MECHANISMS"	THE ROLE OF SELF-MANAGEMENT IN THE TREATMENT OF MUSCULOSKELETAL DISORDERS: CURRENT EVIDENCE AND PRACTICAL RECOMMENDATIONS 	LAS BASES DEL DOLOR QUE NOS LO EXPLICAN TODO				
16:00	COFFEE BREAK, EXHIBITION, POSTER VIEWING							
16:30	OPTIMISATION AND REFINEMENT OF ANIMAL MODELS TO IMPROVE TRANSLATABILITY OF RESEARCH IN CHRONIC PELVIC PAIN ASSOCIATED 	FIBROMYALGIA - A PROTOTYPE OF NOCIPLASTIC PAIN; UNDERSTANDING MECHANISMS AND DELIVERING OPTIMAL CARE	"A MODERN AND FRESH VIEW ON PAIN NEUROSCIENCE EDUCATION: LESS COMMON, BUT ALL THE MORE CONVENIENT"	DOLOR MIOFASCIAL				
Plenary	Workshop: Headache	Workshop: Pain Syndromes	Workshop: Psychology	Workshop: Pharmacological Topics	Workshop: Neuromodulation	Workshop: Neuropathic Pain	Workshop: Basic Science	Workshop: Low Back Pain
Workshop: CRPS	Refresher Course: Headache	Refresher Course: Pain Syndromes	Refresher Course: Psychology	Workshop: General	Patient Care	Refresher Course: Neuropathic Pain	Refresher Course: Basic Science	Refresher Course: Low Back Pain
Spanish-language Track	Late-Breaking: Headache	Oral Communications	Industry Supported Session	Networking	Break	Special Session	Workshop: Musculoskeletal	Refresher Course: Visceral Pain

# Saturday, 7 September

	<b>EFIC Hall</b> (Exhibition Area closed Saturday)	<b>Auditorium 1A</b>	<b>Hall 1B</b> (Exhibition Area closed Saturday)	<b>Auditorium 3A</b>
08:30		PAIN MODULATION AND NEUROINFLAMMATION IN RHEUMATOID ARTHRITIS, OSTEOARTHRITIS AND FIBROMYALGIA, SIMILARITIES AND DIFFERENCES		
09:00		NEUROPATHIC PAIN: DIAGNOSIS, CLINICAL PRESENTATION AND CLINICAL EXAMINATION		
09:30		GRADING THE EVIDENCE - NEW DEVELOPMENTS IN ESTIMATING THE QUALITY OF EVIDENCE AND CONSEQUENCES FOR THE TREATMENT OF PAIN		
10:00	COFFEE BREAK, E-POSTER VIEWING			
10:45		THE IASP CLASSIFICATION OF CHRONIC PAIN FOR ICD-11: UPDATE AND FIRST RESULTS FROM INTERNATIONAL FIELD TESTING STUDIES  		CHRONIC PAIN ACROSS THE LIFESPAN: BIOPSYCHOSOCIAL TREATMENT PERSPECTIVES 
12:15	LUNCH BREAK			
12:45		CANNABIS-BASED MEDICINES FOR CHRONIC PAIN - BEYOND EVIDENCE-BASED MEDICINE?		AXIAL PAIN PHYSIOTHERAPISTS TRACK
14:15		LIVE! EFIC - MASTERCHEF: ANTINOCICEPTIVE COOKING		
15:00		CLOSING & AWARDS		

\* INDUSTRY SESSION NOT INCLUDED IN MAIN EVENT CME/CPD CREDIT

# Saturday, 7 September

	Room 3F	Room 2H	Room 4C	Room 4F
08:30				
10:00	COFFEE BREAK, E-POSTER VIEWING			
10:45	UNDERSTANDING VARIABILITY IN PEDIATRIC PAIN AT THE INTERFACE OF BIOLOGY, PSYCHOLOGY, AND SOCIAL DIMENSIONS 	SENSIBILIZACIÓN CENTRAL... UN PROCESO MULTIDISCIPLINAR		
12:15	LUNCH BREAK			
12:45	MODULATING CHRONIC PAIN WITH PHYSICAL THERAPY: KEY CONSIDERATIONS FOR APPROPRIATE MANAGEMENT 	NOVEL BIOMARKERS TO ASSESS CENTRAL SENSITIZATION IN HUMANS		
14:15				

Plenary	Workshop: Headache	Workshop: Pain Syndromes	Workshop: Psychology	Workshop: Pharmacological Topics	Workshop: Neuromodulation	Workshop: Neuropathic Pain	Workshop: Basic Science	Workshop: Low Back Pain
Workshop: CRPS	Refresher Course: Headache	Refresher Course: Pain Syndromes	Refresher Course: Psychology	Workshop: General	Patient Care	Refresher Course: Neuropathic Pain	Refresher Course: Basic Science	Refresher Course: Low Back Pain
Spanish-language Track	Late-Breaking: Headache	Oral Communications	Industry Supported Session	Networking	Break	Special Session	Workshop: Musculoskeletal	Refresher Course: Visceral Pain

# Session Descriptions

## PLENARY SESSIONS

All Plenary sessions take place in the in the EFIC Hall, which is situated at the back of the Exhibition Area. These sessions feature some of the most renowned speakers from around the world.

## WORKSHOPS

Workshops are held in the mornings and afternoons throughout the congress days. The sessions run in parallel and last for 90 minutes. They cover narrow topics and aim to promote discussion around new ideas, evidence or theories. Sufficient time for discussion is provided.

In line with our ambition to 'Bring the Future to the Present', dedicated workshops are led by young researchers, who present their cutting-edge work on stage. Look out for the ● symbol in the programme.

Many sessions are interactive, enabling delegates a greater contribution by using an interactive voting system, live polling and questions. Look out for the ⦿ symbol in the programme.

## REFRESHER COURSES

Refresher Courses cover important fundamentals of pain science ranging from molecular and systems biology to clinical sciences and psychology. The programme is directly linked with the curricula for the European Diplomas in Pain Medicine (EDPM) and Pain Physiotherapy (EDPP), providing clinicians with the opportunity to prepare for the accompanying examinations in Spring 2020. All registered delegates are welcome to attend. There are no additional fees or registrations required.

## SPECIAL THEMATIC SESSIONS

The scientific programme features a number of sessions on special themes and campaigns chosen by EFIC®.

### On the Move

The European Pain Federation EFIC® has recently launched a campaign called 'EFIC On the Move', where we try and draw attention to the impact of exercise and physical activity on the prevention of chronic pain. Look out for the >> symbol in the programme. The following sessions are relevant to this campaign:

### Wednesday, 4 September at 08:30

EXERCISE: IMPACT AND MEASUREMENT

### Thursday, 5 September at 10:30

PATIENT ENCOUNTERS AND COMPLIANCE WITH TREATMENT RECOMMENDATIONS

### Friday, 6 September at 14:30

THE ROLE OF SELF-MANAGEMENT IN THE TREATMENT OF MUSCULOSKELETAL DISORDERS: CURRENT EVIDENCE AND PRACTICAL RECOMMENDATIONS

### Friday, 6 September at 16:30

PREVENTION OF WORK DISABILITY; IMPLEMENTING A 'WHOLE-SYSTEMS' APPROACH

### European Year Against Pain in the Most Vulnerable

The European Pain Federation EFIC® co-organises a campaign with IASP called the European Year Against Pain. In 2019, the theme of the campaign is 'Pain in the Most Vulnerable', looking at vulnerable patient populations, such as older persons (including pain in dementia), infants and young children, individuals with cognitive impairments or psychiatric disorders, and survivors of torture. Look out for the ⚡ symbol in the programme. The following sessions are relevant to this campaign:

### Wednesday, 4 September at 10:30

BEYOND WORDS: EXPLORING FACIAL, VOCAL AND BODILY COMMUNICATION OF PAIN ACROSS THE LIFESPAN

### Thursday, 5 September at 14:30


TACKLING PAIN IN VULNERABLY OLD INDIVIDUALS SUFFERING FROM DEMENTIA

### Saturday, 7 September at 10:45

UNDERSTANDING VARIABILITY IN PEDIATRIC PAIN AT THE INTERFACE OF BIOLOGY, PSYCHOLOGY, AND SOCIAL DIMENSIONS

## Session Descriptions

### Societal Impact of Pain

The European Pain Federation EFIC® has a long running campaign called 'The Societal Impact of Pain', where we try and draw attention to the economic and social impact of badly managed pain, and the need for policy and health systems changes. The campaign has been running since 2009, working with Grunenthal and Pain Alliance Europe, a patients' group for people with pain conditions. Look out for the  symbol in the programme. The following sessions are relevant to this campaign:

#### Wednesday, 4 September at 08:30

CORE DATA AND PERFORMANCE MEASUREMENT FOR CHRONIC PAIN: A PROJECT TO INFORM NATIONAL, AND INTERNATIONAL, IMPROVEMENT IN CHRONIC PAIN TREATMENT AND PROVISION


#### Wednesday, 4 September at 14:30

SOCIETAL IMPACT OF PAIN - CHANGING PAIN MEDICINE THROUGH POLITICAL ACTION

#### Saturday, 7 September at 10:45

THE IASP CLASSIFICATION OF CHRONIC PAIN FOR ICD-11: UPDATE AND FIRST RESULTS FROM INTERNATIONAL FIELD TESTING STUDIES

### Research

We will also have workshops showcasing the development of the ambitious international research projects our Federation is part of: IMI Pain Care and Pain out. Furthermore, we will have important updates and first results from international field-testing studies of the IASP classification of chronic pain for ICD -11, a true milestone towards the codification of chronic pain. Look out for the  symbol in the programme. The following sessions are relevant to this theme:

#### Wednesday, 4 September at 08:30

IMI-PAINCARE - IMPROVING THE CARE OF PATIENTS SUFFERING FROM ACUTE OR CHRONIC PAIN

#### Wednesday, 4 September at 10:30

PAIN OUT: PROGRESSION TO THE NEXT STAGE

Last but not the least we prepared a surprise session for our delegates... where pain meets cuisine!

#### Saturday, 7 September at 14:15

LIVE! EFIC - MASTERCHEF: ANTINOCICEPTIVE COOKING

### SPANISH TRACK SESSIONS

Dado que el Congreso se celebra este año en Valencia, esperamos la presencia de muchos hispanohablantes nativos. Para responder a las demandas y satisfacer las expectativas de nuestros delegados, ofrecemos sesiones en español.

### PATIENT CARE SESSION

The programme offers a whole track dedicated to patient-focused topics on Thursday, 5 September, which have been identified by patient representatives. People living with chronic pain will provide different perspectives of the patient experience including issues related to their quality of life e.g. family life/relationships, intimacy, family planning as well as practical tools to get the most out of their consultation with doctors. Sessions will also touch upon adherence to prescription and management techniques including physical activity and self-management. The patient perspective will also be offered on important real-world issues such as 'How to Live and Work with Chronic Pain', and communication between patients and healthcare professionals.

### ORAL COMMUNICATIONS SESSIONS

Highly ranked accepted abstracts are presented on stage for 10 minutes giving delegates opportunity to ask questions from the presenters. The sessions are on Wednesday, 4 September. The Late-Breaking Oral Communications session is scheduled for Friday, 6 September.

### GUIDED POSTER WALKS

Selected paper posters are presented in guided poster walks in the Poster Area during the lunch break from Wednesday to Friday, 4 - 6 September.

Poster walk chairs will lead a group of interested people around posters from a specific topic. During the walk, presenters will have a few minutes to present and answer questions.

## Open Auditorium Sessions

Our Exhibition Area will be enriched by an Open Auditorium with brief presentations from the European Pain Federation EFIC®, its partners and industry sponsors. The audience will be provided with headphones. Q&A sessions with the speakers will follow at the EFIC® Village!

Day	Time		Open Auditorium
Wednesday	10:00	10:15	<b>Societal Impact of Pain (SIP) Toolkit for National SIP Platforms</b> <i>Vittoria Carraro</i>
	10:15	10:30	
	12:00	12:15	<b>EFIC® Position Paper on Cancer Pain Standards</b> <i>Mike Bennett &amp; Elon Eisenberg</i>
	12:15	12:30	
	12:30	13:00	<b>The European Diploma in Pain Physiotherapy</b> <i>Harriet Wittink &amp; Brona Fullen</i>
Thursday	10:00	10:20	<b>For details on this Industry Supported Session, please see page 208</b>
	10:20	10:30	
	12:00	12:15	<b>The Core Curriculum for the European Diploma in Pain Nursing</b> <i>Emma Briggs</i>
	12:15	12:30	
	12:30	12:45	<b>Overview of the EFIC® Common Training Framework and the Undergraduate Curriculum</b> <i>Andreas Kopf</i>
	12:45	13:00	
Friday	10:00	10:20	<b>For details on this Industry Supported Session, please see page 212</b>
	10:20	10:30	
	12:00	12:15	<b>EFIC® Position Paper on CRPS Standards</b> <i>Andreas Goebel</i>
	12:15	12:30	
	12:30	12:45	<b>EFIC® Position Paper on Cannabinoids</b> <i>Winfried Häuser</i>
	12:45	13:00	
	13:00	13:15	<b>Pain Alliance Europe - Pain and Stigma 2019 Survey Results</b> <i>Marian Nicholson</i>
	13:15	13:30	



# Information for Presenters

Speakers Service Centre opening hours:

Tuesday, 3 September . . . . . 14:00 - 19:00  
 Wednesday, 4 September . . . . . 07:30 - 18:00  
 Thursday, 5 September . . . . . 07:30 - 18:00  
 Friday, 6 September. . . . . 07:30 - 18:00  
 Saturday, 7 September . . . . . 07:30 - 13:00

The Speakers Service Centre is located on the 2nd level of the congress centre.

## **Please note**

**IN COMPLIANCE WITH EACCME REQUIREMENTS ALL SPEAKERS ARE REQUESTED TO INCLUDE A SLIDE DISCLOSING CONFLICTS OF INTEREST AT THE BEGINNING OF THEIR PRESENTATION.**

## **Presentation Format**

Please use Microsoft PowerPoint 2016 (\*.ppt or .pptx) to guarantee your presentation will open successfully on an on-site PC. OpenOffice/LibreOffice Impress, PREZI or Adobe PDF presentations would be accepted as well.

If you use MS PowerPoint, we recommend that you save your PowerPoint presentation using .ppt or .pptx-format and not .pps or .ppsx.

Presentations could either have a 4:3 ratio or a 16:9 ratio. Both formats will be supported.

Please use high contrast lettering, fonts with a minimum size of 16pt, and high contrast layouts, for example light text on a dark background.

## **Pictures**

- JPG images are the preferred file format for inserted images.
- GIF, TIF or BMP formats will be accepted as well.

Images inserted into PowerPoint are embedded into the presentations. A picture resolution between 72 and 200 dpi is sufficient. Bigger files would only increase the file size of your presentation. The maximum file size of images should not exceed 250 KBytes.

## **Movies / Videos**

Because of the wide variety of video formats available, support cannot be provided for embedded videos in your presentation; please test your presentation on the on-site PC several hours before your presentation. Generally, the MPEG-4 and WMV format should work with no difficulties.

Movies or videos that require additional reading or projection equipment will not be accepted.

## Poster Presentations

The poster presentations are an important part of the scientific programme and an invaluable opportunity for exchange of ideas and update on new research.

### E-POSTER VIEWING

All abstracts accepted to the scientific programme are available for electronic viewing at the E-Poster stations throughout the Congress days. There is no designated time for presentations in this category.

Authors will be able to showcase their research beautifully and with ease using the on-site App which encourages delegates to network with other attendees and bookmark, navigate, and explore all E-Posters. Attendees can contact authors directly from the E-Poster stand and share findings with their peers, increasing research exposure and facilitating a dialogue around early-stage research.

### Poster Board Viewing

Selected posters are available for Poster Viewing on poster boards in 3 sessions:

Poster Session 1: Wednesday, 4 September

Poster Session 2: Thursday, 5 September

Poster Session 3: Friday, 6 September

The posters from each session are on display all day with formal poster viewing and networking.

Presenters are requested to stand by their posters during the coffee breaks on their day of presentation for informal discussions.

The poster areas are located in the Exhibition Area (level 1) of the congress venue.

### Poster Help Desk Opening Times:

Tuesday, 3 September . . . . . 14:00 - 19:00

Wednesday, 4 September . . . . . 08:00 - 19:30

Thursday, 5 September . . . . . 08:00 - 19:30

Friday, 6 September . . . . . 08:00 - 19:30

Presenters are able to set up their posters from 08:00 on their allocated date. Posters should be removed by 19:30. The organisers cannot be responsible for posters not removed by the above stated time.

Please see the scientific programme book or the Congress App for the board number on which you should display your poster. Please use the board with the same number.

## Guided Poster Walks

Wednesday, 4 September

12:10-13:00

Poster Topic	Poster Walk Chair	Poster Numbers	Board Numbers
PAIN SYNDROMES WALK 1	Magdalena Kocot Kepska	P001 - P008	1 - 8
PAIN SYNDROMES WALK 2	Frank Huygen	P037 - P042	37 - 42
PAIN SYNDROMES WALK 3	Pierangelo Geppetti	P050 - P057	50 - 57
PAIN SYNDROMES WALK 4	Victor Mayoral Rojas	P065 - P073	65 - 73
BASICS IN PAIN WALK 1	Esther Pogatzki-Zahn	P107 - P115	107 - 115
DIAGNOSIS AND MEASUREMENT IN PAIN WALK 1	Michiel F. Reneman	P141 - P148	141 - 148
PAIN THERAPIES WALK 1	Jürgen Osterbrink	P175 - P181	175 - 181
PAIN THERAPIES WALK 2	Winfried Meissner	P205 - P210	205 - 210

# Guided Poster Walks

**Thursday, 5 September**
**12:30-13:30**

Poster Topic	Poster Walk Chair	Poster Numbers	Board Numbers
LATE BREAKING PAIN SYNDROMES AND GENERAL GUIDED POSTER WALK	Silviu Brill	P215 - P223	1 - 9
PAIN SYNDROMES WALK 5	Jürgen Osterbrink	P235 - P241	21 - 27
PAIN SYNDROMES WALK 6	Chris Wells	P260 - P268	46 - 54
PAIN SYNDROMES WALK 7	Thomas Graven-Nielsen	P292 - P298	78 - 84
PAIN SYNDROMES WALK 8	Brona Fullen	P307 - P315	93 - 101
BASICS IN PAIN WALK 2	Joyce van Meurs	P334 - P343	120 - 129
DIAGNOSIS AND MEASUREMENT IN PAIN WALK 2	Dick Tibboel	P362 - P371	148 - 157
PAIN THERAPIES WALK 3	Kaare Meier	P393 - P398	179 - 184
PAIN THERAPIES WALK 4	André Mouraux	P417 - P423	203 - 209

**Friday, 6 September**
**12:30-13:30**

Poster Topic	Poster Walk Chair	Poster Numbers	Board Numbers
PAIN SYNDROMES WALK 9	Winfried Meissner	P441 - P447	12 - 18
PAIN SYNDROMES WALK 10	Jan Van Zundert	P461 - P468	32 - 39
PAIN SYNDROMES WALK 11	Chris Wells	P486 - P494	57 - 65
PAIN SYNDROMES WALK 12	Elon Eisenberg	P501 - P505	72 - 76
BASICS IN PAIN WALK 3	Thomas Toelle	P537 - P545	108 - 116
LATE BREAKING DIAGNOSIS AND THERAPY GUIDED POSTER WALK	Stephen Ward	P565 - P574	136 - 145
DIAGNOSIS AND MEASUREMENT IN PAIN WALK 3	Didier Bouhassira	P583 - P592	154 - 163
PAIN THERAPIES WALK 5	Kaare Meier	P606 - P611	177 - 182
PAIN THERAPIES WALK 6	Nanna Brix Finnerup	P633 - P639	204 - 210



2020

# IASP WORLD CONGRESS ON PAIN

Amsterdam  
4-8 August 2020  
[www.iaspworldcongress.org](http://www.iaspworldcongress.org)

Registration opens October 2019  
Use Code **EFIC** for **10% OFF**

Code Valid Through 30 November 2019



**Scientific Programme**  
Wednesday, 4 September

## Wednesday, 4 September

08:30 - 10:00

EFIC Hall

### SPECIAL SESSION

#### IMI-PAINCARE - IMPROVING THE CARE OF PATIENTS SUFFERING FROM ACUTE OR CHRONIC PAIN

Chair: W. Meissner (Germany)

08:30

PROVIDING STANDARDISED CONSENTED PATIENT-REPORTED OUTCOME MEASURES (PROMPT)

W. Meissner (Germany)

08:55

FUNCTIONAL PAIN BIOMARKERS (BIOPAIN)

K.G. Phillips (United Kingdom)

09:20

TRANSLATIONAL RESEARCH IN PELVIC PAIN (TRIPP)

J. Nagel (Germany)

09:45

DISCUSSION

08:30 - 10:00

Hall 1B

### WORKSHOP: MUSCULOSKELETAL

#### EXERCISE: IMPACT AND MEASUREMENT

Chair: H. Wittink (Netherlands)

08:30

EXERCISE AND HYPOALGESIA

H.B. Vaegter (Denmark)

08:55

NEUROSCIENCE EDUCATION AND EXERCISE

M. Meeus (Belgium)

09:20

PHYSICAL ACTIVITY INTENSITY AND MEASUREMENT

H. Wittink (Netherlands)

09:45

DISCUSSION

08:30 - 10:00

Room 2H

### WORKSHOP: GENERAL

#### CORE DATA AND PERFORMANCE MEASUREMENT FOR CHRONIC PAIN: A PROJECT TO INFORM NATIONAL, AND INTERNATIONAL, IMPROVEMENT IN CHRONIC PAIN TREATMENT AND PROVISION

P. Cameron (United Kingdom)

08:30

DEVELOPMENT AND IMPLEMENTATION OF QUALITY PERFORMANCE INDICATORS FOR CHRONIC PAIN IN SCOTLAND

P. Cameron (United Kingdom)

08:55

A NATIONAL CORE MINIMUM DATASET FOR CHRONIC PAIN IN SCOTLAND

M. Laskawska (United Kingdom)

09:20

VAPAIN: INTERNATIONAL CONSENSUS DEVELOPMENT OF CORE DOMAINS FOR INTERDISCIPLINARY PAIN THERAPIES

U. Kaiser (Germany)

09:45

DISCUSSION

# Wednesday, 4 September

08:30 - 10:00

Room 4F

## ORAL COMMUNICATIONS

### ORAL COMMUNICATIONS 1

Chair: Liesbet Goubert (Belgium)

08:30

#### CAN OXYTOCIN INFLUENCE PLACEBO AND NOCEBO EFFECTS IN PAIN?

A. Skvortsova (Netherlands), D. Veldhuijzen, H. van Middendorp, O. Van den Bergh, L. Colloca, A. Evers

08:40

#### DEVELOPING A BIOPSYCHOSOCIAL PAIN AND OPIOID USE CURRICULUM FOR MEDICAL STUDENTS AT MAYO CLINIC

J. Sperry (United States), A. Seegmiller-Renner

08:50

#### PAIN CONSULTATIONS IN CHILDREN AND YOUNG PEOPLE - A POPULATION-BASED CONSULTATION PREVALENCE STUDY

E. Bondesson (Sweden), T. Olofsson, U. Caverius, M. Schelin, A. Jöud

09:00

#### AN ULTRA-FAST SYSTEM FOR SIGNALING MECHANICAL PAIN IN HUMAN SKIN

S. Nagi (Sweden), A. Marshall, A. Makdani, E. Jarocka, J. Liljencrantz, M. Ridderström, S. Shaikh, F. O'Neill, D. Saade, S. Donkervoort, A.R. Foley, J. Minde, M. Trulsson, J. Cole, C. Bönnemann, A. Chesler, M.C. Bushnell, F. McGlone, H. Olausson

09:10

#### WHY IS RUNNING A MARATHON LIKE GIVING BIRTH? THE ROLE OF POSITIVE AFFECT AND THE MEANING OF THE PAIN EXPERIENCE IN THE MEMORY OF PAIN

P. Babel (Poland)

09:20

#### PRIORITIZING PAIN: AN ANALYSIS OF THE POLICY ENVIRONMENT AFFECTING PATIENTS SUFFERING FROM CHRONIC PAIN ACROSS EUROPE

T. Toelle (Germany), J.-P. Roussy, L. Campo, C. Beck, S. Wilhelm, T. Wilsdon, S. Perrot

09:30

#### DEVELOPING THE NETWORK PAIN REHABILITATION LIMBURG: RESULTS OF A FEASIBILITY STUDY

C. Lamper (Netherlands), I.P.J. Huijnen, M.E.A.L. Kroese, A.J. Köke, G. Brouwer, D. Ruwaard, J.A.M.C.F. Verbunt

09:40

#### THE POSITIVE IMPACT OF PAIN-SPECIFIC RESILIENCE IN PEOPLE LIVING WITH HIV AND CHRONIC PAIN

B. Goodin (United Kingdom), J. Okunbor, M. Owens, C. Gonzalez, D. White, J. Merlin

10:00 - 10:30

Exhibition Area

BREAK

### COFFEE BREAK, EXHIBITION, POSTER VIEWING

10:30 - 12:00

EFIC Hall

## SPECIAL SESSION

### PAIN OUT: PROGRESSION TO THE NEXT STAGE

Chair: R. van Boekel (Netherlands)

10:30

#### PAIN OUT: LEARNING FROM DATA TO IMPROVE PAIN MANAGEMENT

W. Meissner (Germany)

## Wednesday, 4 September

**10:55**

PAIN OUT PROJECT IN THE NETHERLANDS:  
IMPLEMENTATION OF QUALITY IMPROVING  
RESEARCH

*R. van Boekel (Netherlands)*

**11:20**

PAIN OUT PROJECT IN SERBIA:  
CLINICAL EXPERIENCE OF IMPROVING  
POSTOPERATIVE PAIN MANAGEMENT

*D. Stamenkovic (Serbia)*

**11:45**

DISCUSSION

**10:30 - 12:00**

**Auditorium 1A**

**WORKSHOP: NEUROPATHIC PAIN**

**IMPROVING NON-INVASIVE BRAIN  
STIMULATION IN PAIN THERAPY BY  
UNDERSTANDING AND IMPLEMENTING  
CIRCUIT MECHANISMS**

*Chair: R. Kuner (Germany)*

**10:30**

CHEMOGENETIC AND OPTOGENETIC  
STUDIES UNRAVELLING BRAIN CIRCUITS  
MEDIATING PAIN RELIEF VIA MOTOR  
CORTEX STIMULATION IN RODENT MODELS  
OF NEUROPATHIC PAIN

*R. Kuner (Germany)*

**10:55**

TAPPING UNEXPECTED TARGETS: HIDDEN  
MECHANISMS OF MOTOR CORTEX  
STIMULATION FOR PAIN RELIEF

*L. Garcia-Larrea (France)*

**11:20**

FACILITATED CORTICAL EXCITABILITY  
IN PROLONGED EXPERIMENTAL PAIN  
CONDITIONS AND THE EFFECTS OF  
RTMS ON THE HUMAN DORSOLATERAL  
PREFRONTAL CORTEX

*T. Graven-Nielsen (Denmark)*

**11:45**

DISCUSSION

**10:30 - 12:00**

**Hall 1B**

**WORKSHOP: BASIC SCIENCE**

**INFLAMMATORY MARKERS OF CHRONIC  
PAIN AND PAIN SENSITIVITY - USING  
BIOMARKER PANELS FOR MOLECULAR  
DISCOVERY IN HUMANS**

*Chair: C.S. Nielsen (Norway)*

**10:30**

OMEGA-3 RESOLVINS AND OMEGA-6  
OXYLIPINS AS CIRCULATING MARKERS  
OF HEAT PAIN SENSITIVITY AND  
OSTEOARTHRITIS PAIN

*A. Valdes (United Kingdom)*

**10:55**

PROTEOMIC AND LIPIDOMIC PROFILING OF  
PAIN SENSITIVITY

*C.S. Nielsen (Norway)*

**11:20**

CEREBROSPINAL FLUID MARKERS OF  
CHRONIC PAIN PATHOPHYSIOLOGY

*E. Baeckryd (Sweden)*

**11:45**

DISCUSSION

**10:30 - 12:00**

**Room 3F**

**WORKSHOP: NEUROMODULATION**

**EUROPEAN E- HEALTH TOOL TO (PRE)  
SELECT SPINAL CORD STIMULATION  
PATIENTS**

*Chair: F. Huygen (Netherlands)*

**10:30**

INTRODUCTION

*F. Huygen (Netherlands)*



## Wednesday, 4 September

10:40

METHODOLOGY AND E-HEALTH TOOL

*H. Stoevelaar*

10:55

CLINICAL ASPECTS

*S. Thomson (United Kingdom)*

11:10

CLINICAL CASES

*F. Huygen (Netherlands)*

*S. Thomson (United Kingdom)*

11:25

PSYCHOSOCIAL ASPECTS

*S. Pragnell (United Kingdom)*

11:40

'COMBI' CASES

*S. Pragnell (United Kingdom)*

*S. Thomson (United Kingdom)*

11:55

TAKE HOME MESSAGES

*F. Huygen (Netherlands)*

10:30 - 12:00

Auditorium 3A

REFRESHER COURSE: PAIN SYNDROMES

**PAIN DURING AGING**

*Chair: D. Tibboel (Netherlands)*

10:30

PAIN IN CHILDREN

*D. Tibboel (Netherlands)*

10:55

PAIN IN ADOLESCENTS

*M. Schäfer (Germany)*

11:20

PAIN IN THE ELDERLY

*P. Schofield (United Kingdom)*

11:45

DISCUSSION

10:30 - 12:00

Room 2H

WORKSHOP: PHARMACOLOGICAL TOPICS

**GENETIC GUIDED PHARMACOLOGICAL PAIN THERAPY II: CLINICAL IMPLEMENTATION: BENEFITS, CHALLENGES AND PITFALLS**

*Chair: L.L. Christrup (Denmark)*

10:30

DO WE NEED A DNA PASSPORT?

*R. van Schaik (Netherlands)*

10:55

PHARMACOGENOMIC GUIDED PAIN THERAPY - FUTURE CHALLENGES AND PITFALLS

*A. Somogyi (Australia)*

11:20

IMPLEMENTATION OF PHARMACOGENOMIC GUIDED THERAPY AT DANISH MULTIDISCIPLINARY PAIN CENTRES

*L.L. Christrup (Denmark)*

11:45

DISCUSSION

10:30 - 12:00

Room 4C

WORKSHOP: PSYCHOLOGY

**BEYOND WORDS: EXPLORING FACIAL, VOCAL AND BODILY COMMUNICATION OF PAIN ACROSS THE LIFESPAN**

*Chair: E. Keogh (United Kingdom)*

## Wednesday, 4 September

**10:30**

ATTENDING TO FACIAL, VOCAL AND BODY EXPRESSIONS OF PAIN: ARE THERE DIFFERENTIAL EFFECTS FOR MEN AND WOMEN?

*E. Keogh (United Kingdom)*

**10:55**

MORE THAN CRYING: UNDERSTANDING AND MEASURING NONVERBAL COMMUNICATION IN PEDIATRIC PAIN CONTEXTS

*C.M. McMurtry (Canada)*

**11:20**

NONVERBAL COMMUNICATION OF PAIN IN OLDER ADULTS: NEW DEVELOPMENTS IN AUTOMATIC PAIN DETECTION

*M. Kunz (Netherlands)*

**11:45**

DISCUSSION

**10:30 - 12:00**

**Room 4F**

**ORAL COMMUNICATIONS**

### ORAL COMMUNICATIONS 2

*Chair: E. Pogatzki-Zahn (Germany)*

**10:30**

PAIN AS A FIRST AND ONE OF THE MOST DISTURBING SYMPTOMS OF MULTIPLE SCLEROSIS

*M. Bozhenko (Ukraine), T. Nehrych*

**10:40**

IS THE ALTERED BRAIN MORPHOLOGY IN CHRONIC PANCREATITIS DRIVEN BY PAIN OR OTHER DISEASE CHARACTERISTICS?

*J.A. Muthulingam (Denmark), T.M. Hansen, S.S. Olesen, A.M. Drewes, J.B. Frøkjær*

**10:50**

EFFECTS OF A TAILORED EXERCISE PROGRAM IN KNEE OSTEOARTHRITIS PATIENTS WITH CHRONIC PAIN: AN FNIRS STUDY

*Ö. Öztürk (Turkey), Z.C. Algun, S.B. Erdoğan, H. Bombacı*

**11:00**

A PROSPECTIVE GLOBAL REGISTRY OF REAL-WORLD OUTCOMES USING SPINAL CORD STIMULATION SYSTEMS FOR CHRONIC PAIN

*S. Thomson (United Kingdom), R. Rauck, R. Woon, K. Lechleliter, R. Jain*

**11:10**

POLYMORPHISMS OF THE  $\mu$ -OPIOID RECEPTOR GENE INFLUENCE PAIN PROCESSING IN FIBROMYALGIA AND HEALTHY CONTROLS

*I. Ellerbrock (Sweden), A. Sandström, J. Tour, D. Kadetoff, K. Jensen, E. Kosek*

**11:20**

FACILITATORY AND INHIBITORY PAIN MECHANISMS IN HUMANS: METHODOLOGICAL ADVANCES

*L. Sirucek, C.R. Jutzeler, J. Rosner, A. Curt, J.L.K. Kramer, M. Hubli (Switzerland)*

**11:30**

DIFFUSE NOXIOUS INHIBITORY CONTROLS AND BRAIN NETWORKS ARE MODULATED IN A TESTOSTERONE-DEPENDENT MANNER IN SPRAGUE DAWLEY RATS

*J. Da Silva (United States), Y. Zhang, J. Asgar, J.Y. Ro, D.A. Seminowicz*

**12:00 - 13:00**

**Exhibition Area**

**BREAK**

**LUNCH BREAK, EXHIBITION, POSTER VIEWING**

# Wednesday, 4 September

12:10 - 13:00

Poster/Exhibition Area

POSTER SESSION

13:00 - 14:30

EFIC Hall

WORKSHOP: PAIN SYNDROMES

## IMPROVING THE DIAGNOSIS AND MANAGEMENT OF NEUROPATHIC CANCER PAIN

Chair: R. Rolke (Germany)

13:00

CANCER-RELATED PAIN CLASSIFICATION AND MANAGEMENT STANDARDS; ICD-11 AND EFIC

E. Eisenberg (Israel)

13:25

DOES QUANTITATIVE SENSORY TESTING HAVE A ROLE IN CANCER PAIN ASSESSMENT?

M. Mulvey (United Kingdom)

13:50

ADVANCES IN ANALGESIC MANAGEMENT STRATEGIES FOR NEUROPATHIC CANCER PAIN

R. Rolke (Germany)

14:15

DISCUSSION

13:00 - 14:30

Hall 1B

WORKSHOP: BASIC SCIENCE

## PERSONALISED MECHANISTIC PAIN MEDICINE USING QUANTITATIVE SENSORY TESTING (QST)

Chair: K. Petersen (Denmark)

13:00

THE NEED FOR PERSONALISED MECHANISTIC PAIN MEDICINE AND ITS ROLE FOR ACUTE AND CHRONIC PAIN AFTER SURGERY

E. Pogatzki-Zahn (Germany)

13:25

SENSORY PHENOTYPES OF PATIENTS WITH PERIPHERAL NEUROPATHIC PAIN

J. Vollert (United Kingdom)

13:50

PAIN MECHANISTIC PROFILING OF PATIENTS WITH OSTEOARTHRITIS

K. Petersen (Denmark)

14:15

DISCUSSION

13:00 - 14:30

Room 3F

WORKSHOP: NEUROMODULATION

## TARGETING THE DRG - A NEW PARADIGM FOR NEUROPATHIC PAIN

Chair: A. Al-Kaisy (United Kingdom)

13:00

THE DRG - A LIKELY PERIPHERAL PAIN GENERATOR IN KEY CHRONIC PAIN STATES

M. Devor (Israel)

13:25

PHARMACOLOGICAL TARGETING OF THE DRG - NEW PROSPECTS

P. Anand (United Kingdom)

13:50

NEUROMODULATION STRATEGIES TARGETING THE DRG - A NEW PARADIGM FOR MANAGING NEUROPATHIC PAIN

A. Al-Kaisy (United Kingdom)

## Wednesday, 4 September

14:15

DISCUSSION

13:00 - 14:30

Auditorium 3A

REFRESHER COURSE: HEADACHE

### HEADACHE AND OROFACIAL PAIN

Chair: K. Paemeleire (Belgium)

13:00

INTRODUCING THE INTERNATIONAL CLASSIFICATION OF HEADACHE DISORDERS (ICHD)

L. Bendtsen (Denmark)

13:25

CLINICAL AND PARA-CLINICAL TESTS IN THE ROUTINE EXAMINATION OF HEADACHE PATIENTS

K. Paemeleire (Belgium)

13:50

THERAPEUTIC GUIDELINES FOR COMMON HEADACHE AND FACIAL PAIN DISORDERS

P. Geppetti (Italy)

14:15

Q&A

13:00 - 14:30

Room 2H

WORKSHOP: PHARMACOLOGICAL TOPICS

### PLACEBO EFFECTS ON PAIN: FROM THE LAB TO THE CLINIC

Chair: A. Evers (Netherlands)

13:00

INTRODUCTION

13:15

PLACEBO EFFECTS IN CHRONIC NEUROPATHIC PAIN

I. Skyt (Denmark)

13:30

OPTIMISING PRE-OPERATIVE EXPECTATIONS IN PATIENTS UNDERGOING CARDIAC SURGERY: EFFECTS ON ACUTE POST-SURGICAL PAIN AND 6-MONTHS DISABILITY IN THE PSY-HEART TRIAL

J. Laferton (Germany)

13:45

OPTIMISING EXPECTATIONS OF PAIN, WHAT ARE THE LIMITS?

K. Peerdeman (Netherlands)

14:00

DISCUSSION

14:15

CHAIR'S SUMMARY AND FUTURE DIRECTIONS OF RESEARCH

13:00 - 14:30

Room 4C

WORKSHOP: PSYCHOLOGY

### OPPOSING EMOTIONAL ATTITUDES MAY ALL LEAD TO HYPOALGESIA: THE ROLE OF OPTIMISM, PESSIMISM AND ALEXITHYMIA

Chair: S. Lautenbacher (Germany)

13:00

THE HYPOALGESIC EFFECTS OF OPTIMISM

M. Peters (Belgium)

13:25

THE HYPOALGESIC EFFECTS OF PESSIMISM AND DEPRESSION

S. Lautenbacher (Germany)

13:50

ALEXITHYMIA MAY LEAD TO HYPOALGESIA

S. Duschek (Austria)

## Wednesday, 4 September

14:15

DISCUSSION

13:00 - 14:30

Room 4F

ORAL COMMUNICATIONS

### ORAL COMMUNICATIONS 3

Chair: P. Poisbeau (France)

13:00

ASSESSMENT OF CENTRAL SENSITIZATION IN NEUROPATHIC PAIN FOLLOWING SPINAL CORD INJURY

R. Lütolf (Switzerland), J. Rosner, A. Curt, M. Hubli

13:20

PERSONAL AND SOCIETAL IMPACT OF LOW BACK PAIN; THE GRONINGEN SPINE COHORT

A.L. Dutmer (Netherlands), H.R. Schiphorst Preuper, R. Soer, S. Brouwer, U. Bültmann, P.U. Dijkstra, M.H. Coppes, P. Stegeman, E. Buskens, A.D.I. van Asselt, A.P. Wolff, M.F. Reneman

13:30

DOES THREAT OF PAIN INFLUENCE CORTICAL MOVEMENT PREPARATION IN LOW BACK PAIN?

S. Schoupe, A. Clauwaert, S. Van Damme, J. Van Oosterwijck (Gent), L. Danneels

13:40

EXPERIENCE OF PAIN FROM INDIGENOUS AUSTRALIAN PERSPECTIVE

M. Mittinty (Australia), L. Jamieson

13:50

LIFE SATISFACTION IN OLDER ADULTS WITH CHRONIC PAIN

H.-J. Dong (Sweden), B. Larsson, L.-Å. Levin, L. Bernfort, B. Gerdle

14:20

BACK PAIN IN BRAZILIAN ADOLESCENTS: A LONGITUDINAL STUDY

M. Noll (Brazil), C.T. Candotti, J.F. Loss

14:30 - 16:00

EFIC Hall

SPECIAL SESSION

### SOCIETAL IMPACT OF PAIN - CHANGING PAIN MEDICINE THROUGH POLITICAL ACTION

Chairs: T. Toelle (Germany) Joop van Griensven (the Netherlands)

14:30

INTRODUCTION

T. Toelle (Germany), Joop van Griensven (the Netherlands)

14:40

WHAT IS SIP?

B. Morlion (Belgium)

14:55

CREATING NATIONAL PLATFORMS TO TACKLE THE SOCIETAL IMPACT OF PAIN

G. Pickering (France)

15:05

CREATING NATIONAL PLATFORMS TO TACKLE THE SOCIETAL IMPACT OF PAIN - PATIENT PERSPECTIVE

Maria Soledad Garcia Penalta (Spain)

15:20

THE GLOBAL APPROACH TO PAIN POLICY

L. Arendt-Nielsen (Denmark)

15:45

DISCUSSION

## Wednesday, 4 September

14:30 - 16:00

Hall 1B

### WORKSHOP: BASIC SCIENCE

#### FACTORS AFFECTING CONDITIONING PAIN MODULATION IN ANIMAL, HUMAN-EXPERIMENTAL AND LARGE-SCALE COHORT STUDIES

Chair: T. Graven-Nielsen (Denmark)

14:30

#### TRANSLATIONAL PROBING: ENDOGENOUS TOP-DOWN CONTROLS

K. Bannister (United Kingdom)

14:55

#### CONDITIONING PAIN MODULATION IN MODELS OF PAIN AND PAIN PATIENTS

T. Graven-Nielsen (Denmark)

15:20

#### CONDITIONING PAIN MODULATION IN THE GENERAL POPULATION: RESULTS FROM A LARGE-SCALE STUDY OF 18.000 ADULTS

C.S. Nielsen (Norway)

15:45

#### DISCUSSION

14:30 - 16:00

Room 3F

### WORKSHOP: NEUROMODULATION

#### USING EVOKED COMPOUND ACTION POTENTIALS (ECAPS) TO ELUCIDATE MECHANISMS OF ACTION AND IMPROVE CLINICAL PREDICTABILITY AND LONG-TERM COMPLIANCE OF SPINAL CORD STIMULATION

Chair: S. Eldabe (United Kingdom)

14:30

#### MECHANISMS OF ACTION OF SCS: WHAT WE KNOW, WHAT WE'RE STILL TRYING TO UNDERSTAND AND WHAT ECAPS CAN TEACH US

S. Eldabe (United Kingdom)

14:55

#### LONG TERM RESULTS FROM A PROSPECTIVE, MULTI-CENTER, DOUBLE-BLIND, RANDOMISED CONTROLLED TRIAL EXAMINING THE SAFETY AND EFFICACY OF CLOSED-LOOP SCS USING ECAPS

N. Mekhail (United States)

15:20

#### IMPROVING CLINICAL PREDICTABILITY BY CAPITALISING ON THE MOA USING CLOSED-LOOP SCS: A SUB-ANALYSIS OF INTER-GROUP SCS DIFFERENCES FROM A DOUBLE BLIND RANDOMISED CONTROLLED TRIAL

S. Falowski (United States)

15:45

#### DISCUSSION

14:30 - 16:00

Auditorium 3A

### REFRESHER COURSE: PAIN SYNDROMES

#### ASSESSMENT OF PAIN

Chair: L. Garcia-Larrea (France)

14:30

#### CLINICAL ASSESSMENT

D. Ciampi de Andrade (Brazil)

14:55

#### QUESTIONNAIRES

D. Bouhassira (France)

15:20

#### LABORATORY TESTS

L. Garcia-Larrea (France)

15:45

#### Q&A

## Wednesday, 4 September

14:30 - 16:00

Room 2H

### WORKSHOP: PHARMACOLOGICAL TOPICS

#### ADVANCES TOWARD PRECISION PAIN MEDICINE

Chair: M. Smuck (United States)

14:30

#### A DUAL SELECTIVE ANALGESIC STRATEGY: GENE THERAPY

T. Maus (United States)

14:55

#### IMAGING BIOMARKERS

V. Shah (United States)

15:20

#### DIGITAL BIOMARKERS

M. Smuck (United States)

15:45

#### DISCUSSION

14:30 - 16:00

Room 4C

### WORKSHOP: PSYCHOLOGY

#### THE EFFECTS OF PAIN ON ATTENTION AND LEARNING - OLD PROBLEM, NEW INSIGHTS

Chair: K. Schmidt (Germany)

14:30

#### MOVEMENTS ASSOCIATED WITH BACK PAIN INDUCE BODILY VIGILANCE TO THE BACK

S. Van Damme (Belgium)

14:55

#### THE EFFECTS OF PAIN AND PAIN-RELATED FEAR ON ATTENTION AND LEARNING DEPENDING ON THE BODY-SITE

K. Schmidt (Germany)

15:20

#### NOT QUITE IDEAL OBSERVERS: HOW WE LEARN ABOUT PAIN

K. Wiech (United Kingdom)

15:45

#### DISCUSSION

14:30 - 16:00

Room 4F

### ORAL COMMUNICATIONS

#### ORAL COMMUNICATIONS 4

Chair: J. Osterbrink (Austria)

14:30

#### SUBCUTANEOUS TANEZUMAB FOR OSTEOARTHRITIS PAIN: A 24-WEEK PHASE 3 STUDY WITH A 24-WEEK FOLLOW UP

F. Berenbaum, F. Blanco (Spain), A. Geurmazi, K. Miki, T. Yamabe, L. Viktrup, R. Junor, W. Carey, M. Brown, K. Verburg, C. West

14:40

#### HUMAN IAPP MEDIATES PAINFUL DIABETIC PERIPHERAL NEUROPATHY

M.M. Asiri (Netherlands), S. Versteeg, C.E. Hack, J.W.M. Höppener, N. Eijkelkamp

14:50

#### SUBCUTANEOUS TANEZUMAB VERSUS TRAMADOL FOR CHRONIC LOW BACK PAIN: EFFICACY AND SAFETY RESULTS FROM A 56-WEEK PHASE 3 STUDY WITH A 24-WEEK FOLLOW UP PERIOD

J. Markman (United States), R. Bolash, T. McAlindon, A. Kivitz, M. Pombo-Suarez, S. Ohtori, D. Li, L. Viktrup, C. Bramson, K. Verburg, C. West

15:00

#### EARLY PREDICTION OF CHRONIC POSTSURGICAL NEUROPATHIC PAIN USING THE DOULEUR NEUROPATHIQUE 2 QUESTIONNAIRE

M.P. van Ginkel, J.F.M. van Dijk, A. Thakoer, J.S.G. Leenders, M. Rijsdijk (Netherlands)

## Wednesday, 4 September

**15:10**

A SHARED DECISION APPROACH TO CHRONIC ABDOMINAL PAIN BASED ON CINE-MRI: A PROSPECTIVE COHORT STUDY  
*B. van den Beukel, M. Stommel, S. van Leuven, C. Strik, M. Ijsseldijk, F. Joosten, H. van Goor, R. ten Broek (Netherlands)*

**15:20**

EPIGENETICS OF THE BRAIN-DERIVED NEUROTROPHIC FACTOR (BDNF) GENE IN PEOPLE WITH FIBROMYALGIA AND CHRONIC FATIGUE SYNDROME (FM/CFS): AN EXPLORATIVE STUDY  
*A. Polli (Belgium), L. Godderis, M. Ghosh, K. Ickmans, J. Nijs*

**15:30**

PAIN TRAJECTORIES AS PHENOTYPES OF KNEE OSTEOARTHRITIS  
*M.R. Radojčić (United Kingdom), R. Keen, C. Cooper, N.K. Arden, S. Kluzek*

**15:40**

CENTRAL SENSITIZATION IN PEOPLE WITH NON-TRAUMATIC NECK PAIN: SYSTEMATIC REVIEW AND META-ANALYSIS OF OBSERVATIONAL STUDIES  
*Y. Xie (Australia), D. Jun, L. Thomas, B. Coombes, V. Johnston*

**15:50**

PAIN AND DISABILITY IN LOW BACK PAIN CAN BE REDUCED DESPITE NO IMPROVEMENTS IN THE PAIN SENSORY PROFILE  
*T. Palsson (Denmark), S. Christensen, E. De Martino, T. Graven-Nielsen*

**16:00 - 16:30**

**Exhibition Area**

BREAK

**COFFEE BREAK, EXHIBITION, POSTER VIEWING**

**16:30 - 17:00**

**EFIC Hall**

PLENARY

**NEUROMODULATION - WHERE ARE WE GOING TO? A VIEW IN THE FUTURE OF STIMULATION THERAPIES**

*Chair: S. Brill (Israel)*

**16:30**

NEUROMODULATION - WHERE ARE WE GOING TO? A VIEW IN THE FUTURE OF STIMULATION THERAPIES  
*D. de Ridder (New Zealand)*

**17:00 - 17:30**

**EFIC Hall**

PLENARY

**DAVID NIV AWARD LECTURE INTERDISCIPLINARY APPROACHES TO CHRONIC PAIN PATIENTS**

*Chair: M. Kocot Kepska (Poland)*

**17:00**

AN INTERDISCIPLINARY APPROACH TO CHRONIC PAIN PATIENTS: THE CHALLENGES AND OPPORTUNITIES  
*C. McCabe (United Kingdom)*



# Wednesday, 4 September

17:30 - 18:00 EFIC Hall

PLENARY

## GENDER AND MIGRAINE

*Chair: E. Kalso (Finland)*

17:30

GENDER AND MIGRAINE  
*A. Maassen van den Brink (Netherlands)*

18:00 - 18:15 Exhibition Area

BREAK

## SHORT BREAK

18:15 - 19:30 EFIC Hall

SPECIAL SESSION

## OPENING CEREMONY

19:30 - 20:30 Exhibition Area

NETWORKING

## WELCOME RECEPTION

# Notes

A series of horizontal dotted lines for taking notes.

**Scientific Programme**  
Thursday, 5 September

# Thursday, 5 September

08:30 - 09:00

EFIC Hall

## PLENARY

### THE ROLE OF THE IMMUNE SYSTEM IN PAIN

Chair: *H. Breivik (Norway)*

08:30

THE ROLE OF THE IMMUNE SYSTEM IN PAIN  
*M. Malcangio (United Kingdom)*

09:00 - 09:30

EFIC Hall

## PLENARY

### THE ROLE OF GENETICS IN PAIN

Chair: *H. Kress (Austria)*

09:00

THE ROLE OF GENETICS IN PAIN  
*L. Diatchenko (Canada)*

09:30 - 10:00

EFIC Hall

## PLENARY

### PAIN AND OPIOIDS IN CANCER CARE: BENEFITS, RISKS, AND ALTERNATIVES

Chair: *B. Morlion (Belgium)*

09:30

PAIN AND OPIOIDS IN CANCER CARE: BENEFITS, RISKS, AND ALTERNATIVES  
*J. Paice (United States)*

10:00 - 10:30

Exhibition Area

## BREAK

COFFEE BREAK, EXHIBITION, POSTER VIEWING

10:30 - 12:00

EFIC Hall

## WORKSHOP: NEUROPATHIC PAIN

### HOW TO CONDUCT DIAGNOSTIC TESTS IN PATIENTS SUSPECTED OF NEUROPATHIC PAIN

Chair: *A. Truini (Italy)*

10:30

INTRODUCTION

10:45

HOW TO CONDUCT QUANTITATIVE SENSORY TESTING  
*A. Schilder (Germany)*

11:00

HOW TO RECORD LASER EVOKED POTENTIALS, AN ASSESSMENT OF THE INTEGRITY OF THE NOCICEPTIVE SYSTEM  
*C. Lenoir (Belgium)*

11:15

LIGHT MICROSCOPY INVESTIGATION OF SKIN SLICES IN NORMAL HUMANS AND IN PATIENTS WITH PAINFUL NEUROPATHIES  
*E. Galosi (Italy)*

11:30

DISCUSSION

11:45

CHAIR SUMMARY AND FUTURE DIRECTIONS OF RESEARCH

10:30 - 12:00

Auditorium 1A

## WORKSHOP: CRPS

### NEW ASPECTS OF COMPLEX REGIONAL PAIN SYNDROME

Chair: *C. Maihofer (Germany)*

# Thursday, 5 September

10:30

SIGNS AND SYMPTOMS IN CRPS: PICTURES OF A COMPLEX AND HETEROGENEOUS DISEASE

*C. Maihofer (Germany)*

10:55

INFLAMMATION AND AUTOIMMUNITY IN CRPS: WHAT IS THE SIGNIFICANCE?

*A. Goebel (United Kingdom)*

11:20

TREATMENT OF CRPS: HOW CAN WE TAILOR OUR THERAPY?

*F. Huygen (Netherlands)*

11:45

DISCUSSION

10:30 - 12:00

Hall 1B

WORKSHOP: PSYCHOLOGY

**AVOIDANCE BEHAVIOR IN PAIN: INSIGHTS FROM ASSOCIATIVE LEARNING, COMPUTATIONAL MODELING AND BRAIN IMAGING**

*Chair: A. Meulders (Belgium)*

10:30

OPERANT LEARNING OF PAIN-RELATED AVOIDANCE BEHAVIOR

*A. Meulders (Belgium)*

10:55

THE REINFORCEMENT LEARNING MODEL OF PAIN

*S. Zhang (United Kingdom)*

11:20

AVOIDANCE LEARNING: FROM BASIC CIRCUITS TO PSYCHOLOGICAL INTERVENTION

*T. Wager (United States)*

11:45

DISCUSSION

10:30 - 12:00

Room 3F

WORKSHOP: PHARMACOLOGICAL TOPICS

**DOES NGF NEUTRALISING THERAPY FULFILL ITS PROMISE AS NOVEL ANALGESIC DRUG?**

*Chair: M. Koltzenburg (United Kingdom)*

10:30

NGF IS A PIVOTAL REGULATOR OF NOCICEPTOR SENSITIVITY

*S. Lechner (Germany)*

10:55

ANALGESIC EFFECTIVENESS AND ADVERSE EVENTS IN TRIALS OF ANTI-NGF ANTIBODY THERAPIES

*M. Koltzenburg (United Kingdom)*

11:20

NOVEL ANTI-NGF THERAPIES FOR THE TREATMENT OF PAIN

*S. Westbrook (United Kingdom)*

11:45

DISCUSSION

10:30 - 12:00

Auditorium 3A

REFRESHER COURSE: PAIN SYNDROMES

**ACUTE AND POSTSURGICAL PAIN**

*Chair: E. Pogatzki-Zahn (Germany)*

10:30

EPIDEMIOLOGY, ASSESSMENT AND PATHOPHYSIOLOGICAL CONSEQUENCES OF ACUTE PAIN AFTER SURGERY

*R. van Boekel (Netherlands)*

## Thursday, 5 September

10:55

PHARMACOLOGICAL MANAGEMENT OF ACUTE PAIN AFTER SURGERY

*S. Schug (Australia)*

11:20

INTERVENTIONS FOR MANAGEMENT OF ACUTE AND FOR PREVENTION OF CHRONIC PAIN AFTER SURGERY

*E. Pogatzki-Zahn (Germany)*

11:45

Q&A

10:30 - 12:00

Room 2H

WORKSHOP: HEADACHE

**ALTERED NOCICEPTIVE PROCESSING IN MIGRAINE AND TENSION TYPE HEADACHE: DIFFERENCES AND SIMILARITIES IN QUANTITATIVE SENSORY TESTING (QST) PROFILES AND BIOMARKERS**

*Chair: C. Fernández-de-las-Peñas (Spain)*

10:30

ALTERED NOCICEPTIVE PROCESSING AS ASSESSED BY QUANTITATIVE SENSORY TESTING IN PRIMARY HEADACHES

*L. Arendt-Nielsen (Denmark)*

10:55

BIOMARKER PROFILES OF TENSION TYPE HEADACHES AND MIGRAINE: SIMILARITIES AND DIFFERENCES

*G. Sandrini (Italy)*

11:20

QUANTITATIVE SENSORY TESTING (QST) PROFILES OF TENSION TYPE HEADACHE AND MIGRAINE: SIMILARITIES AND DIFFERENCES

*C. Fernández-de-las-Peñas (Spain)*

11:45

DISCUSSION

10:30 - 12:00

Room 4C

WORKSHOP: BASIC SCIENCE

**PERIPHERAL AND CENTRAL MECHANISMS UNDERLYING THE TRANSITION OF ACUTE TO CHRONIC MUSCULOSKELETAL PAIN**

*Chair: S. Sikandar (United Kingdom)*

10:30

DISTINCT PRIMARY AFFERENT POPULATIONS DRIVE THE TRANSITION FROM ACUTE TO CHRONIC MUSCULOSKELETAL PAIN

*S. Sikandar (United Kingdom)*

10:55

IMMUNE REGULATION OF THE TRANSITION OF ACUTE TO CHRONIC PAIN

*N. Eijkelkamp (Netherlands)*

11:20

CLINICAL EVALUATION OF PAIN CHRONIFICATION, SENSITISATION AND ENDOGENOUS MODULATION IN MUSCULOSKELETAL PAIN CONDITIONS

*T. Graven-Nielsen (Denmark)*

11:45

DISCUSSION

10:30 - 12:00

Room 4F

PATIENT CARE

**PATIENT CARE 1**

# Thursday, 5 September

10:30 - 12:00 **Room 4F**

**PATIENT CARE**

**PATIENT ENCOUNTERS AND COMPLIANCE WITH TREATMENT RECOMMENDATIONS**

*Chair: B. Fullen (Ireland)*

**10:30**

BEHAVIOURAL CHANGE THEORY TO SUPPORT PATIENT CONSULTATIONS  
*T. Pincus (United Kingdom)*

**10:55**

BARRIERS AND FACILITATORS TO PHYSICAL ACTIVITY/EXERCISE IN INDIVIDUALS/ POPULATIONS WITH PAIN  
*R. Smeets (Netherlands)*

**11:20**

HEALTH LITERACY/NOCEBO  
*B. Fullen (Ireland)*

**11:45**

DISCUSSION

12:00 - 12:15 **Exhibition Area**

BREAK

**SHORT BREAK**

12:15 - 13:45 **Exhibition Area**

BREAK

**LUNCH BREAK, EXHIBITION, POSTER VIEWING**

12:15 - 13:45 **Auditorium 1A**

**INDUSTRY SUPPORTED**

**INDUSTRY SUPPORTED SESSION**

Not included in main CME/CPD event. For details please see page 29.

12:15 - 13:45 **Hall 1B**

**INDUSTRY SUPPORTED**

**INDUSTRY SUPPORTED SESSION**

Not included in main CME/CPD event. For details please see page 29.

12:15 - 13:45 **Auditorium 3A**

**INDUSTRY SUPPORTED**

**INDUSTRY SUPPORTED SESSION**

Not included in main CME/CPD event. For details please see page 29.

12:30 - 13:30 **Poster/Exhibition Area**

**POSTER SESSION**

13:45 - 14:30 **EFIC Hall**

**PLENARY**

**PAIN AT THE EDGES OF THE LIFE SPAN; WHERE PAEDIATRICS MEETS GERIATRICS**

*Chair: G. Pickering (France)*

**13:45**

PAIN AT THE EDGES OF THE LIFE SPAN; WHERE PAEDIATRICS MEETS GERIATRICS  
*D. Tibboel (Netherlands)*

# Thursday, 5 September

14:30 - 16:00

EFIC Hall

## WORKSHOP: NEUROPATHIC PAIN

### NEW TRENDS IN PAINFUL DIABETIC NEUROPATHY

Chair: A. Truini (Italy)

14:30

NEW EVIDENCE ON FREQUENCY AND RISK FACTORS FOR PAINFUL DIABETIC NEUROPATHY

A. Truini (Italy)

14:55

MORPHOMETRIC STUDIES OF SENSORY NERVE FIBRES AND THEIR RELEVANCE TO PAIN

P. Karlsson (Denmark)

15:20

CURRENT EVIDENCE AND NEW POSSIBILITIES FOR THE TREATMENT OF PAINFUL DIABETIC NEUROPATHY

N. Attal (France)

15:45

DISCUSSION

14:30 - 16:00

Auditorium 1A

## WORKSHOP: HEADACHE

### NEW TRENDS IN TRIGEMINAL NEURALGIA

Chair: G. Cruccu (Italy)

14:30

THE NEW CLASSIFICATION OF TRIGEMINAL NEURALGIA AND CLINICAL EXAMINATION

T. Nurmikko (United Kingdom)

14:55

AN EVIDENCE-BASED APPRAISAL OF THE DIAGNOSTIC ACCURACY OF NEUROPHYSIOLOGICAL AND NEUROIMAGING TESTS

G. Cruccu (Italy)

15:20

TREATMENT STRATEGIES - CURRENT MEDICATION OPTION, DRUGS IN THE PIPELINE AND SURGICAL OPTIONS

L. Bendtsen (Denmark)

15:45

DISCUSSION

14:30 - 16:00

Hall 1B

## WORKSHOP: PSYCHOLOGY

### ADDRESSING THE ELEPHANT IN THE ROOM: A DETAILED EXPLORATION OF DIAGNOSTIC UNCERTAINTY IN ADULT AND PAEDIATRIC CHRONIC PAIN SETTINGS

Chair: A. Jordan (United Kingdom)

14:30

WHEN UNCERTAINTY CAN'T BE REMOVED, HOW DO WE FOSTER SELF-MANAGEMENT AND ACCEPTANCE IN ADULTS WITH CHRONIC PAIN?

T. Pincus (United Kingdom)

14:55

THE PAEDIATRIC PERIOD: DIAGNOSTIC UNCERTAINTY IN YOUTH WITH CHRONIC PAIN AND THEIR PARENTS

M. Noel (Canada)

15:20

THE FLIP SIDE: CLINICIANS' EXPERIENCES OF MANAGING DIAGNOSTIC UNCERTAINTY IN A PAEDIATRIC CLINICAL CONTEXT

A. Jordan (United Kingdom)



## Thursday, 5 September

15:45

DISCUSSION

14:30 - 16:00

Room 3F

### WORKSHOP: PHARMACOLOGICAL TOPICS

**OPIOID INDUCED BOWEL DYSFUNCTION (OIBD) WITH A FOCUS ON OPIOID INDUCED CONSTIPATION AND OPIOID INDUCED NAUSEA; FROM MODEL TO CLINICAL PRACTICE**

Chair: G. Koopmans-Klein (Netherlands)

14:30

PATHOPHYSIOLOGY OF OPIOID INDUCED BOWEL DYSFUNCTION (OIBD) AND MODELS FOR THE STUDY OF OIBD

A.M. Drewes (Denmark)

14:55

EFFICACY OF OPIOID ANTAGONIST TREATMENTS FOR OPIOID INDUCED CONSTIPATION (OIC)

G. Koopmans-Klein (Netherlands)

15:20

OPIOID INDUCED NAUSEA AND VOMITING IN CLINICAL PRACTICE

A. Davies (United Kingdom)

15:45

DISCUSSION

14:30 - 16:00

Auditorium 3A

### REFRESHER COURSE: PAIN SYNDROMES

**CANCER (RELATED) PAIN**

Chair: M. Bennett (United Kingdom)

14:30

THE ROLE OF THE WHO LADDER AFTER 30 YEARS

M. Bennett (United Kingdom)

14:55

INVASIVE TREATMENT IN ACUTE CANCER PAIN

M. Lal Sharma (United Kingdom)

15:20

PAIN IN CANCER SURVIVORS

J. Paice (United States)

15:45

Q&A

14:30 - 16:00

Room 2H

### WORKSHOP: PAIN SYNDROMES

**TACKLING PAIN IN VULNERABLY OLD INDIVIDUALS SUFFERING FROM DEMENTIA**

Chair: M. Kunz (Netherlands)

14:30

NEW TOOLS AND NOVEL ALGORITHMS FOR PAIN ASSESSMENT IN DEMENTIA

S. Lautenbacher (Germany)

14:55

INNOVATIVE TRAINING PROTOCOLS AND PROGRAMS TO IMPROVE HEALTH-CARE PROFESSIONALS' ABILITY TO DETECT PAIN IN DEMENTIA

M. Kunz (Netherlands)

15:20

NOVEL DEVELOPMENTS IN OPIOID USE IN DEMENTIA, IT IS NOT 'PATCH-WORK'!

W. Achterberg (Netherlands)

15:45

DISCUSSION

# Thursday, 5 September

14:30 - 16:00

Room 4C

## WORKSHOP: BASIC SCIENCE

### TEMPORAL DYNAMICS OF SENSITISATION ALONG A CONTINUUM OF SPINAL PAIN

Chair: T.S. Palsson (Denmark)

14:30

#### INTRODUCTION

14:45

#### TEMPORAL RELATIONSHIPS BETWEEN LOW BACK PAIN AND PSYCHOPHYSICAL PAIN SENSITIVITY: EVIDENCE FROM EXPERIMENTAL AND CLINICAL MODELS

M. McPhee (Denmark)

15:00

#### TEMPORAL STABILITY OF PSYCHOPHYSICAL MEASURES AND SOMATOSENSORY CHANGES ACROSS ACUTE AND CHRONIC LOW BACK PAIN: EVIDENCE FROM COHORT STUDIES

A. Marcuzzi (Australia)

15:15

#### SENSITISATION ALONG THE CONTINUUM OF CHRONIC IDIOPATHIC NECK PAIN TO CHRONIC WIDESPREAD PAIN

I. Coppeters (Belgium)

15:30

#### DISCUSSION

15:45

#### CHAIR SUMMARY AND FUTURE DIRECTIONS OF RESEARCH

14:30 - 16:00

Room 4F

## PATIENT CARE

### THE PATIENTS PERSPECTIVE: HOW TO LIVE AND WORK WITH CHRONIC PAIN

Chair: I. Thomassen

14:30

#### PATIENT NEEDS IN THE MANAGEMENT OF CHRONIC PAIN

A. Kent (United Kingdom)

14:55

#### PARTNER AND FAMILY LIFE/RELATIONSHIPS, INTIMACY, FAMILY PLANNING AND CHRONIC PAIN

V. Romero (Spain)

15:20

#### PAIN IN THE WORKPLACE

G. O'Leary (Ireland)

15:45

#### DISCUSSION

16:00 - 16:30

Exhibition Area

#### BREAK

### COFFEE BREAK, EXHIBITION, POSTER VIEWING

16:30 - 18:00

EFIC Hall

## WORKSHOP: NEUROPATHIC PAIN

### PHENOTYPING NEUROPATHIC PAIN AFTER 25 YEARS OF RESEARCH: WHERE DO WE STAND, WERE DO WE GO?

Chair: J. Vollert (United Kingdom)

16:30

#### PAIN QUESTIONNAIRES AS AN EASY TOOL FOR ASSESSMENT OF PAIN PHENOTYPES.

D. Bouhassira (France)

16:55

#### STRATIFYING PATIENTS WITH PERIPHERAL NEUROPATHIC PAIN BASED ON SENSORY PROFILES

J. Vollert (United Kingdom)

## Thursday, 5 September

17:20

VISION OR FACT?  
AN ELECTROPHYSIOLOGICAL APPROACH  
FOR THE ASSESSMENT OF THE ENTIRE  
SOMATOSENSORY SPECTRUM  
*P. Hüllemann (Germany)*

17:45

DISCUSSION

16:30 - 18:00

Auditorium 1A

WORKSHOP: GENERAL

**NEW FINDINGS IN CLINICAL PAIN  
RESEARCH: RESULTS FROM FORMER  
E-G-G WINNERS**

16:30

WELCOME AND INTRODUCTION  
*B. Przewlocka (Poland)*

16:35

THE INTERSECTION OF PAIN AND REWARD:  
THE ROLE OF DOPAMINE AND ALTERATIONS  
IN CHRONIC PAIN  
*S. Becker (Germany)*

16:55

DISENTANGLING PAIN AND FATIGUE:  
A CLINICAL AND NEUROCOGNITIVE  
APPROACH  
*J. Oosterman (Netherlands)*

17:15

CAN TRAINING INCREASE REPORTING  
ACCURACY AND STUDY POWER IN HUMAN  
PAIN TRIALS?  
*R. Treister (Israel)*

17:35

NOCICEPTIVE NERVE ENDINGS AS  
TARGETS FOR PAIN RESEARCH  
*J. Casanova*

17:55

CLOSING OF THE SYMPOSIUM  
*B. Przewlocka (Poland)*

16:30 - 18:00

Hall 1B

WORKSHOP: PSYCHOLOGY

**PAIN PSYCHOLOGY COMING OF  
AGE: FOUNDATIONS, EVIDENCE, AND  
INNOVATIONS**

*Chair: A. Williams (United Kingdom)*

16:30

EMBODIED DEFENCE: OPPORTUNITIES FOR  
A NEW PSYCHOLOGY OF PAIN  
*C. Eccleston (United Kingdom)*

16:55

LET'S TALK ABOUT ABOUT MEASUREMENT  
AND CAUSALITY: BACK TO THE FUTURE  
*G. Crombez (Belgium)*

17:20

MOVING AND INTERACTING RATHER THAN  
SITTING AND THINKING  
*A. Williams (United Kingdom)*

17:45

DISCUSSION

16:30 - 18:00

Room 3A

WORKSHOP: PHARMACOLOGICAL TOPICS

**KETAMINE FOR REFRACTORY PAIN:  
PHOENIX OR BLACK SHEEP?**

*Chair: R.F. Bell (Norway)*

16:30

ASSESSMENT OF PHARMACOKINETIC  
INTERACTIONS BETWEEN MORPHINE AND  
KETAMINE IN VITRO AND IN HUMANS  
*T. Lilius (Finland)*

## Thursday, 5 September

**16:55**

KETAMINE FOR REFRACTORY CANCER PAIN: THE BOTTOM LINE  
*R.F. Bell (Norway)*

**17:20**

KETAMINE FOR REFRACTORY PAIN: PHOENIX OR BLACK SHEEP  
*G. Pickering (France)*

**17:45**

DISCUSSION

**16:30 - 18:00**

**Auditorium 3A**

REFRESHER COURSE: VISCERAL PAIN

**VISCERAL PAIN**

*Chair: A.M. Drewes (Denmark)*

**16:30**

DEFINITION, SYMPTOMS, EPIDEMIOLOGY AND ASSESSMENT OF VISCERAL PAIN  
*A.M. Drewes (Denmark)*

**16:55**

MANAGEMENT AND PROGNOSIS OF FUNCTIONAL GI PAIN  
*H. Törnblom (Sweden)*

**17:20**

MANAGEMENT AND PROGNOSIS OF ORGANIC VISCERAL PAIN  
*S. Olesen (Denmark)*

**17:45**

Q&A

**16:30 - 18:00**

**Room 2H**

WORKSHOP: PAIN SYNDROMES

**OVERGENERALISATION: THE MISSING LINK BETWEEN CHRONIC PAIN AND DEPRESSION**

*Chair: A. Meulders (Belgium)*

**16:30**

OVERGENERALISATION IN CHRONIC PAIN AND FIBROMYALGIA  
*A. Meulders (Belgium)*

**16:55**

GENERALISATION IN PLACEBO HYPOALGESIA  
*C. Buechel (Germany)*

**17:20**

COMORBIDITY OF MIGRAINE AND DEPRESSION: A GENETIC PERSPECTIVE  
*L. Ligthart (Netherlands)*

**17:45**

DISCUSSION

**16:30 - 18:00**

**Room 4C**

WORKSHOP: BASIC SCIENCE

**I GOT THEM ALL: PATHOPHYSIOLOGY AND TREATMENT OF OVERLAPPING PAIN CONDITIONS**

*Chair: L. Diatchenko (Canada)*

**16:30**

MOLECULAR PATHOPHYSIOLOGY OF OVERLAPPING PAIN CONDITIONS: THE LESSON FROM UK BIOBANK  
*L. Diatchenko (Canada)*

# Thursday, 5 September

**16:55**

PHENOTYPING OF PATIENTS WITH MULTIPLE PAIN CONDITIONS  
*D. Yarnitsky (Israel)*

**17:20**

THE ART AND THE SCIENCE OF INTEGRATIVE HEALTH APPROACH TO MANAGEMENT OF COMORBID PAIN CONDITIONS  
*I. Belfer (United States)*

**17:45**

DISCUSSION

**16:30 - 18:00**

**Room 4F**

PATIENT CARE

**HOW CAN PATIENT BE HELPED IN THEIR PATIENT DOCTOR RELATIONSHIP**  
*Chair: N. Betteridge (United Kingdom)*

**16:30**

WHAT COULD BE A PRACTICAL TOOL FOR A PATIENT TO GET THE MOST FROM THEIR CONSULTATION WITH THEIR TREATING DOCTOR  
*E.F. Mateus (Portugal)*

**16:55**

DIGITAL TECHNOLOGY/E-DIARY/APPS  
*J. Osterbrink (Austria)*

**17:20**

MEDICATION ADHERENCE IN CHRONIC PAIN PATIENTS  
*L. Timmerman (Netherlands)*

**17:45**

DISCUSSION

**18:00 - 18:15**

**Exhibition Area**

BREAK

**SHORT BREAK**

**18:15 - 19:45**

**Auditorium 3A**

INDUSTRY SUPPORTED

**INDUSTRY SUPPORTED SESSION**

Not included in main CME/CPD event. For details please see page 29.

**18:15 - 19:45**

**Room 2H**

INDUSTRY SUPPORTED

**INDUSTRY SUPPORTED SESSION**

Not included in main CME/CPD event. For details please see page 29.

**18:15 - 19:45**

**Room 4F**

INDUSTRY SUPPORTED

**INDUSTRY SUPPORTED SESSION**

Not included in main CME/CPD event. For details please see page 29.

**18:15 - 19:45**

**Room 4C**

INDUSTRY SUPPORTED

**INDUSTRY SUPPORTED SESSION**

Not included in main CME/CPD event. For details please see page 29.

# Notes

A series of horizontal dotted lines for taking notes.

**Scientific Programme**  
Friday, 6 September

# Friday, 6 September

08:30 - 09:00

EFIC Hall

**PLENARY**

**TRP CHANNELS IN ACUTE AND PERSISTENT PAIN**

*Chair: F. Cervero*

08:30

TRP CHANNELS IN ACUTE AND PERSISTENT PAIN

*T. Voets (Belgium)*

09:00 - 09:30

EFIC Hall

**PLENARY**

**CENTRAL ORIGINS OF PAIN SENSITISATION: TRANSLATIONAL STUDIES**

*Chair: E. Eisenberg (Israel)*

09:00

CENTRAL ORIGINS OF PAIN SENSITISATION: TRANSLATIONAL STUDIES

*L. Villanueva (France)*

09:30 - 10:00

EFIC Hall

**PLENARY**

**BRINGING THE FUTURE TO THE PRESENT - THE EVOLUTION OF DIGITAL HEALTH(CARE) (PAIN)MEDICINE**

*Chair: A. Kopf (Germany)*

09:30

BRINGING THE FUTURE TO THE PRESENT - THE EVOLUTION OF DIGITAL HEALTH(CARE) (PAIN)MEDICINE

*L. Engelen (Netherlands)*

10:00 - 10:30

Exhibition Area

**BREAK**

**COFFEE BREAK, EXHIBITION, POSTER VIEWING**

10:30 - 12:00

EFIC Hall

**WORKSHOP: PHARMACOLOGICAL TOPICS**

**SUB-TYPE SPECIFIC SODIUM CHANNEL BLOCKERS AS NOVEL ANALGESIC DRUGS - ARE WE NEARLY THERE, YET?**

*Chair: M. Koltzenburg (United Kingdom)*

10:30

NEUROPHYSIOLOGICAL PROPERTIES OF SODIUM CHANNELS AND THEIR RESPONSE TO ANALGESIC DRUGS

*A. Leffler (Germany)*

10:55

BIOMARKERS FOR STUDYING THE TARGET ENGAGEMENT OF DRUGS ON VGSC IN PERIPHERAL NERVES IN SITU

*M. Koltzenburg (United Kingdom)*

11:20

DRUG DEVELOPMENT OF SUBTYPE SELECTIVE SODIUM CHANNEL BLOCKERS IN PRIMATES

*A. Houghton (United States)*

11:45

DISCUSSION

10:30 - 12:00

Auditorium 1A

**WORKSHOP: PSYCHOLOGY**

**DO THOUGHTS AND FEELINGS REALLY MATTER WHERE SPINAL CORD STIMULATORS ARE CONCERNED?**

*Chair: S. Pragnell*

10:30

“THIS WON’T TURN YOU IN IRON MAN……”

*S. Pragnell (United Kingdom)*



## Friday, 6 September

10:55

SOMETIMES NO IS THE BEST ANSWER  
*J. O'Sullivan (United Kingdom)*

11:20

WHY DO WE NEED ANOTHER PMP?!  
*S. Childs (United Kingdom)*

11:45

DISCUSSION

10:30 - 12:00

Hall 1B

WORKSHOP: GENERAL

**NEUROIMMUNE ACTIVATION IN CHRONIC MUSCULOSKELETAL PAIN - LESSONS FROM RECENT PET STUDIES AND CSF ANALYSIS IN MULTIPLE PATIENT COHORTS**

*Chair: E. Kosek (Sweden)*

10:30

TRANSLOCATOR PROTEIN (TSPO) IMAGING AS A TOOL TO IMAGE NEUROINFLAMMATION IN CHRONIC PAIN

*M. Loggia (United States)*

10:55

NEUROINFLAMMATION AND PERIPHERY-TO-CNS INFLAMMATORY CROSS-TALK IN PATIENTS WITH RHEUMATOID ARTHRITIS, OSTEOARTHRITIS AND CLBP

*E. Kosek (Sweden)*

11:20

THE ROLE OF GLIA ACTIVATION/NEUROINFLAMMATION IN CENTRAL SENSITISATION IN PATIENTS WITH CHRONIC PAIN

*J. Nijs (Belgium)*

11:45

DISCUSSION

10:30 - 12:00

Room 3F

WORKSHOP: LOW BACK PAIN

**RADICULAR PAIN - AN UPDATE ON CLINICAL PRESENTATION, CLASSIFICATION AND MULTIPROFESSIONAL MANAGEMENT OF A COMPLEX CONDITION**

*Chair: B. Tampin (Australia)*

10:30

DIFFERING SOMATOSENSORY PROFILES OF PATIENTS WITH RADICULAR PAIN

*B. Tampin (Australia)*

10:55

PAINFUL RADICULOPATHY: WHY ARE SO MANY CLINICAL TRIALS NEGATIVE?

*R. Baron (Germany)*

11:20

CLASSIFICATION OF PATIENTS WITH LUMBAR RADICULAR PAIN - RELEVANCE TO PHYSIOTHERAPY INTERVENTIONS

*A. Schäfer (Germany)*

11:45

DISCUSSION

10:30 - 12:00

Auditorium 3A

REFRESHER COURSE: BASIC SCIENCE

**NEUROBIOLOGY OF PAIN**

*Chair: T. Graven-Nielsen (Denmark)*

10:30

ANATOMY AND PHYSIOLOGY OF THE PAIN SYSTEM

*K. Bannister (United Kingdom)*

## Friday, 6 September

**10:55**

NEUROPHYSIOLOGICAL BASES FOR THE SOMATOSENSORY, COGNITIVE AND AFFECTIVE DIMENSIONS OF PAIN

*A. Mouraux (Belgium)*

**11:20**

SENSITISATION OF PERIPHERAL AND CENTRAL PAIN MECHANISMS

*W. Magerl (Germany)*

**11:45**

Q&A

**10:30 - 12:00**

**Room 2H**

**ORAL COMMUNICATIONS**

**LATE BREAKING ORAL COMMUNICATIONS**

*Chair: R. van Boekel (Netherlands)*

**10:30**

RELIABILITY AND DETERMINATION OF CUT-OFFS FOR THE DANISH VERSION OF THE TAMPA SCALE OF KINESIOPHOBIA (TSK) IN PATIENTS WITH SEVERE CHRONIC PAIN.

*B. Eiger (Denmark), M. Errebo, Z.S. Sirek, H.B. Vægter*

**10:40**

THE PAINCHEK (R) STORY: FROM CONCEPT TO AUSTRALIA-WIDE IMPLEMENTATION

*K. Hoti (Albania), M. Atee, J. Hughes*

**10:50**

IMPACT OF CHRONIC LOW BACK PAIN FROM PHYSICAL, PSYCHOLOGICAL AND SOCIAL PERSPECTIVES - INITIAL RESULTS FROM A GLOBAL 8,990 PATIENT SURVEY: CITIZENS' RESEARCH

*J. van Griensven, S. Linton, C. Beck, L. Abraham, S. Wilhelm, C. Constantinescu, V. Carboni, B. Fullen (Ireland)*

**11:00**

PATIENTS' PERCEPTIONS AND BELIEFS REGARDING CHRONIC LOW BACK PAIN IN PRIMARY CARE: A QUALITATIVE STUDY IN SPAIN

*F. Valenzuela-Pascual (Spain), E. Puenteadura, F. Molina, J. Soler-González, F. Corbi, F. Rubí-Carnacea, C. Climent-Sanz, J. Blanco-Blanco*

**11:10**

ACUTE AND CHRONIC POSTOPERATIVE PAIN AFTER BREAST CANCER SURGERY: THE UK PREVENTION OF SHOULDER PROBLEMS TRIAL (UK PROSPER)

*J. Bruce (United Kingdom), B. Mazuquin, P. Mistry, R. Lall, E. Williamson, S. Rees, E. Withers, A. Canaway, S. Lamb*

**11:20**

THE TIME COMPONENT OF EXPECTATION IN PLACEBO ANALGESIA AND NOCEBO HYPERALGESIA

*E.M. Camerone, A. Piedimonte, M. Testa (Italy), F. Benedetti, E. Carlino*

**11:30**

IDENTIFICATION OF PERIPHERAL NEUROPATHIC PAIN SENSORY PHENOTYPES BASED ON SPECIFIC COMBINATIONS OF SYMPTOMS IDENTIFIED WITH THE NPSI (NEUROPATHIC PAIN SYMPTOM INVENTORY).

*D. Bouhassira (France), S. Branders, N. Attal, D. Demolle, A. Pereira*

**11:40**

LIFTING WITH A ROUND-BACK IS DANGEROUS! HOW BELIEFS MIGHT AFFECT LUMBAR SPINE MOTION DURING OBJECT LIFTING IN PAIN-FREE INDIVIDUALS

*S. Schmid, F. Riner, C. Meyer, L. Filli, M. Bolliger, P. Schweinhardt, M.L. Meier (Switzerland)*

# Friday, 6 September

11:50

AN INVESTIGATION INTO THE IDENTIFICATION OF PREDICTORS OF CHRONIC PAIN AFTER WHIPLASH INJURY  
*A. Carroll (Ireland)*

10:30 - 12:00

Room 4C

## WORKSHOP: BASIC SCIENCE

**THE ADVANTAGES AND DISADVANTAGES OF AN INSTITUTIONAL APPROACH TO PAIN ASSESSMENT. EXPERIENCE FROM CANCER AND PERIOPERATIVE CARE IN THE UK AND EUROPE**

*Chair: R. Zaslansky (Germany)*

10:30

THE ADVANTAGES AND DISADVANTAGES OF AN INSTITUTIONAL APPROACH TO PAIN ASSESSMENT. EXPERIENCE FROM CANCER AND PERIOPERATIVE CARE IN THE UK AND EUROPE

*M. Fallon (United Kingdom)*

10:55

PAIN MANAGEMENT IN PATIENTS AFTER SURGERY USING THE ADAPTED EDINBURGH PAIN ASSESSMENT AND MANAGEMENT TOOL (EPAT)

*R. Zaslansky (Germany)*

11:20

CAN CHILDREN USE 'WORST PAIN' CONSISTENTLY AND RELIABLY WHEN EVALUATING THEIR EXPERIENCE OF PAIN

*A. Avian (Austria)*

11:45

DISCUSSION

10:30 - 12:00

Room 4F

## SPANISH-LANGUAGE TRACK

**SINDROME CIRUGÍA FALLIDA COLUMNA. LAS TÉCNICAS INTERVENCIONISTAS PUEDEN AYUDARNOS?**

*Chair: C. Tornero*

10:30

EPIDUROLYSIS. SIGUE SIENDO ÚTIL?

*A. Mendiola (Spain)*

10:55

EPIDUROSCOPIA. VALE LA PENA ARRIESGARNOS?

*P.L. Pais*

11:20

MEJOR PONER EL ESTIMULADOR MEDULAR CUANTO ANTES?

*C. Tornero*

11:45

DISCUSIÓN

12:00 - 12:15

Exhibition Area

BREAK

**SHORT BREAK**

12:15 - 13:45

Exhibition Area

BREAK

**LUNCH BREAK, EXHIBITION, POSTER VIEWING**

# Friday, 6 September

12:15 - 13:45 Auditorium 1A

INDUSTRY SUPPORTED

## INDUSTRY SUPPORTED SESSION

Not included in main CME/CPD event. For details please see page 29.

12:15 - 13:45 Hall 1B

INDUSTRY SUPPORTED

## INDUSTRY SUPPORTED SESSION

Not included in main CME/CPD event. For details please see page 29.

12:15 - 13:45 Auditorium 3A

INDUSTRY SUPPORTED

## INDUSTRY SUPPORTED SESSION

Not included in main CME/CPD event. For details please see page 29.

12:15 - 13:45 Room 3F

INDUSTRY SUPPORTED

## INDUSTRY SUPPORTED SESSION

Not included in main CME/CPD event. For details please see page 29.

12:15 - 13:45 Room 4F

SPANISH-LANGUAGE TRACK

SPANISH SOCIETY MEETING: TRAINING PLAN OF THE SPANISH PAIN SOCIETY AND ITS ORIENTATION TOWARDS THE EDPM

12:30 - 13:30 Poster/Exhibition Area

POSTER SESSION

13:45 - 14:30 EFIC Hall

PLENARY

## ULF LINDBLOM LECTURE - WHAT IS THE ROLE OF PAIN SCIENCE EDUCATION IN THE TREATMENT ALGORITHM OF PAIN?

Chair: B. Fullen (Ireland)

13:45

WHAT IS THE ROLE OF PAIN SCIENCE EDUCATION IN THE TREATMENT ALGORITHM OF PAIN?

L. Moseley (Australia)

14:30 - 16:00 EFIC Hall

WORKSHOP: LOW BACK PAIN

## A NEW LOOK AT THE INTERVERTEBRAL DISC AS A PAIN GENERATOR

Chair: A. Al-Kaisy (United Kingdom)

14:30

THE MICROENVIRONMENT OF THE INTERVERTEBRAL DISC - CAN WE FIND CORRELATION WITH CLINICAL PAIN?

J. Urban (United Kingdom)

14:55

NEUROMODULATION FOR DISCOGENIC PAIN - A NEW FRONTIER

A. Al-Kaisy (United Kingdom)

15:20

NOVEL SURGICAL APPROACHES TO REPLACING OR RESTORING THE INTERVERTEBRAL DISC

J. Fairbank (United Kingdom)

15:45

DISCUSSION

# Friday, 6 September

14:30 - 16:00

Auditorium 1A

## WORKSHOP: PHARMACOLOGICAL TOPICS

### IS THERE AN OPIOID EPIDEMIC IN EUROPE?

Chair: W. Häuser (Germany)

14:30

#### THE UK PERSPECTIVE

C. Stannard (United Kingdom)

14:55

#### THE GERMAN PRESPECTIVE

W. Häuser (Germany)

15:20

#### OPIOID USE IN EUROPE - A PERSPECTIVE FROM THE EMCDDA

P. Griffiths (Portugal)

15:45

#### DISCUSSION

14:30 - 16:00

Hall 1B

## WORKSHOP: GENERAL

### THE FUTURE IS NOW: DIGITAL TECHNOLOGIES FROM ASSESSMENT TO TREATMENT

Chair: S.A. Boudreau (Denmark)

14:30

#### INTRODUCTION

14:45

#### ADVANCES IN DIGITAL BODY MAPPING OF PAIN AND OTHER SYMPTOMS

M. Galve Villa (Denmark)

15:00

#### CO-DESIGNING GAMEFUL E/MHEALTH: RADICAL RETHINKING TO EMPOWER AND SUPPORT CHRONICALLY ILL PEOPLE

S. Jessen (Norway)

15:15

#### BODILY-ENHANCED VIRTUAL REALITY TO ALLEVIATE CHRONIC PAIN

M. Solcà (Switzerland)

15:30

#### DISCUSSION

15:45

#### CHAIR SUMMARY AND FUTURE DIRECTIONS OF RESEARCH

14:30 - 16:00

Room 3F

## WORKSHOP: BASIC SCIENCE

### MECHANISTIC EPIDEMIOLOGY OF PERSISTENT PAIN

Chair: M. Curatolo (United States)

14:30

#### ACHIEVEMENTS AND LIMITATIONS OF CURRENT MEASURES OF HUMAN NOCICEPTIVE PROCESSES

M. Curatolo (United States)

14:55

#### NOVEL MEASURES OF THE HUMAN NOCICEPTIVE SYSTEM

L. Arendt-Nielsen (Denmark)

15:20

#### MODERN EPIDEMIOLOGICAL METHODS FOR MECHANISTIC PAIN RESEARCH

M. Müller (Switzerland)

15:45

#### DISCUSSION

14:30 - 16:00

Auditorium 3A

## REFRESHER COURSE: PSYCHOLOGY

### PSYCHOSOCIAL ASPECTS OF PAIN

Chair: L. Goubert (Belgium)

## Friday, 6 September

**14:30**

FROM BASIC TO APPLIED SCIENCE:  
PSYCHOSOCIAL MODELS OF PAIN  
CHRONICITY

*A. Tabor (United Kingdom)*

**14:55**

FROM CONSTRUCT TO ASSESSMENT: HOW  
TO AVOID GETTING LOST IN TRANSLATION

*D. van Ryckeghem (Belgium)*

**15:20**

FROM IDENTIFICATION TO EFFECTIVE  
TREATMENT: ALTERNATIVES FOR THE  
TREATMENT OF CHRONIC PAIN

*J. Glombievski (Germany)*

**15:45**

Q&A

**14:30 - 16:00**

**Room 2H**

**WORKSHOP: MUSCULOSKELETAL**

**“UNRAVELLING PAIN IN INFLAMMATORY  
DISEASES: FROM NOCICEPTION TO  
COMPLEX MECHANISMS”**

*Chair: S. Perrot (France)*

**14:30**

PAIN IN INFLAMMATORY RHEUMATIC  
CONDITIONS: WHEN NOCICEPTION TURNS  
TO NOCIPLASTIC

*S. Perrot (France)*

**14:55**

FROM SYMPTOM PROFILES TO SENSORY  
PROFILES, FROM ACUTE TO CHRONIC  
LOW BACK PAIN: TOWARDS MECHANISTIC  
CLASSIFICATION

*T. Toelle (Germany)*

**15:20**

NEURON-IMMUNE MECHANISMS OF  
ARTHRITIS PAIN AND THE INFLUENCE OF  
ANXIETY

*V. Chapman (United Kingdom)*

**15:45**

DISCUSSION

**14:30 - 16:00**

**Room 4C**

**WORKSHOP: PSYCHOLOGY**

**THE ROLE OF SELF-MANAGEMENT  
IN THE TREATMENT OF  
MUSCULOSKELETAL DISORDERS:  
CURRENT EVIDENCE AND PRACTICAL  
RECOMMENDATIONS**

*Chair: N. Hutting (Netherlands)*

**14:30**

SELF-MANAGEMENT FOR  
MUSCULOSKELETAL DISORDERS: AN  
OVERVIEW OF THE AVAILABLE EVIDENCE  
AND PRESENTATION OF AN INDIVIDUALIZED  
SELF-MANAGEMENT APPROACH

*N. Hutting (Netherlands)*

**14:55**

A MULTI-MODAL INTERVENTION  
PROGRAMME FOR OPIOID REDUCTION FOR  
PEOPLE WITH CHRONIC NON-MALIGNANT  
PAIN (THE I-WOTCH STUDY) - DESIGN,  
DELIVERY AND LESSONS LEARNT

*H. Kaur Sandhu (United Kingdom)*

**15:20**

TRANSFERABILITY OF BEST AVAILABLE  
RESEARCH EVIDENCE AND THE  
CHALLENGES OF IMPLEMENTATION OF  
SELF-MANAGEMENT PROGRAMS

*N. Walsh (United Kingdom)*

**15:45**

DISCUSSION

# Friday, 6 September

14:30 - 16:00

Room 4F

## SPANISH-LANGUAGE TRACK

### LAS BASES DEL DOLOR QUE NOS LO EXPLICAN TODO

Chair: L. Villanueva (France)

14:30

ANATOMO-HISTOLOGÍA QUE NOS EXPLICA LA IMPORTANCIA DE LA GLIA EN EL DOLOR  
A. Valverde (Spain)

14:55

EL CENTRO DEL DOLOR QUE TODO LO INTEGRA ¿CUAL ES?  
L. Villanueva (France)

15:20

HACIA UNOS FÁRMACOS MAS SELECTIVOS EN DOLOR CRÓNICO  
C. Goicoechea (Spain)

15:45

DISCUSIÓN

16:00 - 16:30

Exhibition Area

BREAK

### COFFEE BREAK, EXHIBITION, POSTER VIEWING

16:30 - 18:00

EFIC Hall

## WORKSHOP: LOW BACK PAIN

### CRITICAL VIEW ON THE RECENT LITERATURE ON RADIOFREQUENCY TREATMENT FOR LUMBAR FACET JOINT PAIN

Chair: J. Van Zundert (Belgium)

16:30

EUROPEAN GUIDELINES ON THE TREATMENT OF LOW BACK PAIN  
J. Van Zundert (Belgium)

16:55

### SET-UP OF A PRAGMATIC TRIAL (MINT) AND RESULTS

M. van Tulder (Netherlands)

17:20

### HOW TO DEAL WITH THE QUESTIONS RAISED AFTER THE MINT STUDY

S. Eldabe (United Kingdom) and F. Huygen (The Netherlands)

17:45

DISCUSSION

16:30 - 18:00

Auditorium 1A

## WORKSHOP: PHARMACOLOGICAL TOPICS

### NEW SUBSTANCES AS A NEW POSSIBILITIES FOR PAIN TREATMENT

Chair: P. Fernandes (Brazil)

16:30

NEW AMIDES OF SEROTONIN AS A POSSIBLE CHOICE FOR PAIN TREATMENT  
P. Fernandes (Brazil)

16:55

ROLE OF MONOCLONAL ANTIBODIES IN CHRONIC PAIN TREATMENT  
N. Varela (Spain)

17:20

R-954: A BRADYKININ B1 RECEPTOR ANTAGONIST FOR TREATMENT OF DIABETIC NEUROPATHIC PAIN

P. Sirois (Canada)

17:45

DISCUSSION

# Friday, 6 September

16:30 - 18:00

Hall 1B

## WORKSHOP: GENERAL

### PREVENTION OF WORK DISABILITY; IMPLEMENTING A 'WHOLE-SYSTEMS' APPROACH

Chair: M. Reneman (Netherlands)

16:30

#### SYSTEM INFLUENCES ON WORK DISABILITY DUE TO LOW BACK PAIN: AN OVERVIEW OF THE EVIDENCE

S. Bartys (United Kingdom)

16:55

#### EARLY WORKPLACE INTERVENTIONS TO PREVENT BACK DISABILITY: RESULTS FROM CONTROLLED TRIALS

S. Linton (Sweden)

17:20

#### INTEGRATING HEALTH CARE AND WORKPLACE SYSTEMS; COSTS-BENEFITS OF VOCATIONAL REHABILITATION FOR WORKERS WITH CHRONIC PAIN

M. Reneman (Netherlands)

17:45

DISCUSSION

16:30 - 18:00

Room 3F

## WORKSHOP: BASIC SCIENCE

### OPTIMISATION AND REFINEMENT OF ANIMAL MODELS TO IMPROVE TRANSLATABILITY OF RESEARCH IN CHRONIC PELVIC PAIN ASSOCIATED PATHOLOGIES. THE EXAMPLE OF ENDOMETRIOSIS AND BLAGGER PAIN SYNDROMES

Chair: R. Gómez (Spain)

16:30

#### CHALLENGES IN TRANSLATING RESEARCH WITH PRECLINICAL MODELS OF CHRONIC PELVIC PAIN ASSOCIATED PATHOLOGIES FROM THE BENCH TO THE CLINIC

R. Gómez (Spain)

16:55

#### REFINEMENT OF CURRENT ANIMAL MODELS OF ENDOMETRIOSIS ASSOCIATED CHRONIC PELVIC PAIN TO IMPROVE RESEARCH TRANSLATABILITY

E. Greaves (United Kingdom)

17:20

#### REFINEMENT OF CURRENT ANIMAL MODELS OF BLADDER PAIN SYNDROME ASSOCIATED CHRONIC PELVIC PAIN TO IMPROVE RESEARCH TRANSLATABILITY

A. Charrua (Portugal)

17:45

DISCUSSION

16:30 - 18:00

Auditorium 3A

## REFRESHER COURSE: NEUROPATHIC PAIN

### NEUROPATHIC PAIN

Chair: N.B. Finnerup (Denmark)

16:30

#### CLINICAL EXAMINATION, DIAGNOSIS AND CLINICAL PRESENTATION

P. Hansson (Norway)

16:55

#### ASSESSMENT

A. Truini (Italy)

17:20

#### TREATMENT

N. Attal (France)

17:45

Q&A



## Friday, 6 September

16:30 - 18:00

Room 2H

### WORKSHOP: MUSCULOSKELETAL

#### FIBROMYALGIA - A PROTOTYPE OF NOCIPLASTIC PAIN; UNDERSTANDING MECHANISMS AND DELIVERING OPTIMAL CARE

Chair: G. Macfarlane (United Kingdom)

16:30

NOCIPLASTIC PAIN: THE THIRD IASP MECHANISTIC DESCRIPTOR FOR PAIN, HOW DOES IT APPLY TO FIBROMYALGIA

E. Kosek (Sweden)

16:55

NEW PERSPECTIVES ON PAIN MODULATION AND CENTRAL SENSITISATION IN FIBROMYALGIA

M. Meeus (Belgium)

17:20

RECENT RECOMMENDATIONS FOR MANAGEMENT OF FIBROMYALGIA FROM EUROPE, NORTH AMERICA AND ELSEWHERE: AREAS OF CONSENSUS, DISAGREEMENT, WITH A FOCUS ON RESEARCH TO ADDRESS PRIORITIES

G. Macfarlane (United Kingdom)

17:45

DISCUSSION

16:30 - 18:00

Room 4C

### WORKSHOP: PSYCHOLOGY

#### “A MODERN AND FRESH VIEW ON PAIN NEUROSCIENCE EDUCATION: LESS COMMON, BUT ALL THE MORE CONVENIENT”

Chair: P. van Wilgen (Netherlands)

16:30

NOT LIMITED TO THE CHRONIC PAIN POPULATION: THE VALUE OF PAIN NEUROSCIENCE EDUCATION IN ACUTE AND SUBACUTE PAIN

A. Louw (United States)

16:55

TEAMWORK IN CLINICAL PRACTICE: THE APPLICATION OF TRANSDISCIPLINARY PAIN NEUROSCIENCE EDUCATION

P. van Wilgen (Netherlands)

17:20

DIGITAL PAIN NEUROSCIENCE EDUCATION: CAN WE USE BLENDED-LEARNING AND VIRTUAL REALITY TECHNIQUES?

E. Huysmans (Belgium)

17:45

DISCUSSION

16:30 - 18:00

Room 4F

### SPANISH-LANGUAGE TRACK

#### DOLOR MIOFASCIAL

Chair: M.A. Canos (Spain)

16:30

QUE FÁRMACOS PODEREMOS INFILTRAR? SOLO ANESTÉSICOS LOCALES? SIEMPRE CON CORTICOIDES?

M.L.P. Del Rey (Spain)

16:55

DONDE INYECTAR?

S. Boada (Spain)

17:20

PUEDEN VERSE BIEN LOS PUNTOS TRIGGER CON ULTRASONIDOS?

J. Orduña Valls (Spain)

17:45

DISCUSIÓN

# Notes

A series of horizontal dotted lines for taking notes.

**Scientific Programme**  
Saturday, 7 September

## Saturday, 7 September

08:30 - 09:00

Auditorium 1A

### PLENARY

#### PAIN MODULATION AND NEUROINFLAMMATION IN RHEUMATOID ARTHRITIS, OSTEOARTHRITIS AND FIBROMYALGIA, SIMILARITIES AND DIFFERENCES

Chair: *C. Wells (United Kingdom)*

08:30

PAIN MODULATION AND NEUROINFLAMMATION IN RHEUMATOID ARTHRITIS, OSTEOARTHRITIS AND FIBROMYALGIA, SIMILARITIES AND DIFFERENCES

*E. Kosek (Sweden)*

09:00 - 09:30

Auditorium 1A

### PLENARY

#### NEUROPATHIC PAIN - WHAT WENT WRONG?

*T. Toelle (Germany)*

09:00

NEUROPATHIC PAIN: DIAGNOSIS, CLINICAL PRESENTATION AND CLINICAL EXAMINATION

*P. Hansson (Norway)*

09:30 - 10:15

Auditorium 1A

### PLENARY

#### GRADING THE EVIDENCE - NEW DEVELOPMENTS IN ESTIMATING THE QUALITY OF EVIDENCE AND CONSEQUENCES FOR THE TREATMENT OF PAIN

Chair: *F. Huygen (The Netherlands)*

09:30

GRADING THE EVIDENCE - NEW DEVELOPMENTS IN ESTIMATING THE QUALITY OF EVIDENCE AND CONSEQUENCES FOR THE TREATMENT OF PAIN

*G. Guyatt (Canada)*

10:15 - 10:45

Level 1 Foyer

BREAK

### COFFEE BREAK

10:45 - 12:15

Auditorium 1A

### SPECIAL SESSION

#### THE IASP CLASSIFICATION OF CHRONIC PAIN FOR ICD-11: UPDATE AND FIRST RESULTS FROM INTERNATIONAL FIELD TESTING STUDIES

Chair: *W. Rief (Germany)*

10:45

INTRODUCTION TO THE IASP CLASSIFICATION OF CHRONIC PAIN FOR ICD-11

*R.-D. Treede (Germany)*

11:10

CHRONIC PRIMARY PAIN IN ICD-11: WHAT IS IT AND WHY IS IT IMPORTANT?

*W. Rief (Germany)*

11:35

CHRONIC POST-SURGICAL AND POST-TRAUMATIC PAIN

*P. Lavandhomme (Belgium)*

12:00

DISCUSSION

## Saturday, 7 September

10:45 - 12:15

Room 3F

### WORKSHOP: PAIN SYNDROMES

#### UNDERSTANDING VARIABILITY IN PEDIATRIC PAIN AT THE INTERFACE OF BIOLOGY, PSYCHOLOGY, AND SOCIAL DIMENSIONS

Chair: R. Pillai Riddell (Canada)

10:45

#### REGULATING FROM ACUTE PAIN ACROSS EARLY CHILDHOOD

R. Pillai Riddell (Canada)

11:10

#### PSYCHOSOCIAL RISK AND RESILIENCE MECHANISMS OF CHILD PAIN AND RECOVERY AFTER SURGERY

L. Goubert (Belgium)

11:35

#### THREAT LEARNING IN YOUTH WITH CHRONIC PAIN: THE INFLUENCE OF PAIN-RELATED DISTRESS ON ENCODING AND RESISTANCE TO EXTINCTION

L. Simons (United States)

12:00

#### DISCUSSION

10:45 - 12:15

Auditorium 3A

### WORKSHOP: PSYCHOLOGY

#### CHRONIC PAIN ACROSS THE LIFESPAN: BIOPSYCHOSOCIAL TREATMENT PERSPECTIVES

Chair: R. Smeets (Netherlands)

10:45

#### INTRODUCTION

11:00

#### PNE4KIDS: EXPLAINING PAIN TO CHILDREN WITH CHRONIC PAIN

K. Ickmans (Belgium)

11:15

#### GETLIVING! A FUNCTIONAL APPROACH TO PAEDIATRIC PAIN REHABILITATION

L. Harrison (United States)

11:30

#### A MODERN NEUROSCIENCE APPROACH TO CHRONIC PAIN IN ADULTS AND ELDERLY: HOW TO APPLY IN CLINICAL PRACTICE?

I. Coppieters (Belgium)

11:45

#### DISCUSSION

12:00

#### CHAIR SUMMARY AND FUTURE DIRECTIONS OF RESEARCH

10:45 - 12:15

Room 2H

### SPANISH-LANGUAGE TRACK

#### SENSIBILIZACIÓN CENTRAL... UN PROCESO MULTIDISCIPLINAR

Chair: J. Casanova (Spain)

10:45

#### IMPORTANCIA DE LA FISIOTERAPIA EN LA SENSIBILIZACIÓN DEL DOLOR. "HANDS OUT" EN FISIOTERAPIA

L. Dueñas (Spain)

11:10

#### DETECCIÓN OBJETIVA DE ESTADOS DE DOLOR CLÍNICO

J. Casanova (Spain)

11:35

#### EL DOLOR COMO MEMORIA. EL DOLOR CRÓNICO COMO UNA MEMORIA ABERRANTE QUE SE PUEDE OLVIDAR

R. Torres Cueco (Spain)

# Saturday, 7 September

12:00

DISCUSIÓN

12:15 - 12:45

Level 1 Foyer

BREAK

LUNCH BREAK

12:45 - 14:15

Auditorium 1A

WORKSHOP: PHARMACOLOGICAL TOPICS

**CANNABIS-BASED MEDICINES FOR CHRONIC PAIN - BEYOND EVIDENCE-BASED MEDICINE?**

*Chair: S. Brill (Israel)*

12:45

OVERVIEW ON THE RESULTS OF SYSTEMATIC REVIEWS OF RANDOMIZED CONTROLLED TRIALS WITH MEDICAL CANNABIS

*S. Brill (Israel)*

13:10

CHALLENGES IN IMPROVING CLINICAL TRIAL DESIGN AND ANALYSIS FOR CHRONIC PAIN

*G. Stewart (United Kingdom)*

13:35

RANDOMISED CONTROLLED TRIALS AND SYSTEMATIC REVIEWS ON CANNABIS-BASED MEDICINES FOR CHRONIC PAIN MANAGEMENT - LIES AND FAKE NEWS

*W. Häuser (Germany)*

14:00

DISCUSSION

12:45 - 14:15

Room 3F

WORKSHOP: GENERAL

**MODULATING CHRONIC PAIN WITH PHYSICAL THERAPY: KEY CONSIDERATIONS FOR APPROPRIATE MANAGEMENT**

*Chair: C. Fernández-de-las-Peñas (Spain)*

12:45

MANUAL THERAPY AS A PAIN MODULATOR OF THE CENTRAL NERVOUS SYSTEM

*C. Courtney (United States)*

13:10

MANUAL THERAPY AND EXERCISE AS PAIN MODULATORS OF THE CENTRAL NERVOUS SYSTEM

*C. Fernández-de-las-Peñas (Spain)*

13:35

COMMUNICATION STRATEGIES ACCOMPANYING HANDS-ON TREATMENT FOR CHRONIC PAIN: APPLYING CONTEMPORARY NEUROSCIENCE IN CLINICAL PRACTICE

*J. Nijs (Belgium)*

14:00

DISCUSSION

12:45 - 14:15

Auditorium 3A

REFRESHER COURSE: LOW BACK PAIN

**AXIAL PAIN**

*Chair: S. Ward*

12:45

SPINAL PAIN: DEFINITIONS, MECHANISMS AND RISK FACTORS

*F.M. Williams (United Kingdom)*

## Saturday, 7 September

**13:10**

SPINAL PAIN: CLINICAL ASSESSMENT AND APPROPRIATE IMAGING  
*T. Maus (United States)*

**13:35**

NON-INVASIVE PHYSICAL THERAPIES FOR SPINAL PAIN - CURRENT EVIDENCE  
*M. O'Keefe*

**14:00**

Q&A

**12:45 - 14:15**

**Room 2H**

**WORKSHOP: BASIC SCIENCE**

**NOVEL BIOMARKERS TO ASSESS CENTRAL SENSITIZATION IN HUMANS**

*Chair: E. van den Broeke (Belgium)*

**12:45**

QST AND SURROGATE MODELS - ARE THEY RELEVANT FOR THE PATIENT IN PAIN?  
*K.B. Nilsen (Norway)*

**13:10**

SPINAL NOCICEPTION IN HUMANS. RELEVANCE FOR ASSESSMENT OF CENTRAL SENSITISATION  
*O.K. Andersen (Denmark)*

**13:35**

ARE INCREASED BRAIN RESPONSES AND PUPIL SIZE INDICATIVE FOR CENTRAL SENSITISATION?  
*E. van den Broeke (Belgium)*

**14:00**

DISCUSSION

**14:15 - 15:00**

**Auditorium 1A**

**SPECIAL SESSION**

**LIVE! EFIC - MASTERCHEF: ANTINOCICEPTIVE COOKING**

*Chair: B. Morlion (Belgium)*

**15:00 - 15:15**

**Auditorium 1A**

**PLENARY**

**CLOSING & AWARDS**

# Notes

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**Poster Session 1**  
Wednesday, 4 September

# Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
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## PAIN SYNDROMES WALK 1

Chair: M. Kocot Kepska (*Poland*)

P001	1	<b>INVASIVE TREATMENT MODALITIES' IMPACT ON CLINICALLY RELEVANT OUTCOMES AT 12 MONTHS FOLLOW-UP IN A CHRONIC PAIN POPULATION - AN OSLO UNIVERSITY HOSPITAL PAIN REGISTRY STUDY</b> L.-P. Granan, T.M. Ljoså, S. Endresen Reme, A. Stubhaug, C. Ekholdt, H. Børsting Jacobsen ( <i>Norway</i> )
P002	2	<b>MITOCHONDRIA ARE REQUIRED FOR PAIN MEMORY IN SENSORY NEURONS</b> H. Willemen, S. Versteeg, L. van Vliet, N. Eijkelkamp ( <i>Netherlands</i> )
P003	3	<b>KETAMINE AND CHONIC PAIN: A COHORT STUDY</b> A. Corriger, M. Voute, C. Lambert, B. Pereira, G. Pickering ( <i>France</i> )
P004	4	<b>THE INCIDENCE AND CHARACTERISTICS OF PERSISTENT PAIN FOLLOWING LABOUR - A SWEDISH COHORT STUDY</b> B. Molin, A. Sand, A.-K. Berg, S. Georgsson ( <i>Sweden</i> )
P005	5	<b>PRELIMINARY ANALYSIS OF PREDICTORS OF SUCCESS AT 12 MONTH FOLLOW-UP IN A GENERAL CHRONIC PAIN POPULATION - THE OSLO UNIVERSITY HOSPITAL PAIN REGISTRY PREDICTOR STUDY</b> L.-P. Granan, H. Børsting Jacobsen, T.M. Ljoså, A. Stubhaug, C. Ekholdt, S. Endresen Reme ( <i>Norway</i> )
P006	6	<b>INCREASED MUSCLE PAIN EVOKED BY ISCHEMIC CONTRACTIONS IN A NERVE GROWTH FACTOR (NGF)-SENSITIZED MUSCLE</b> L.B. Sørensen, P. Gazerani, T. Graven-Nielsen ( <i>Denmark</i> )
P007	7	<b>NEURAL CORRELATES OF COGNITIVE INHIBITION AND FACILITATION OF PAIN EXPERIENCES - PAIN RELATED THOUGHT SUPPRESSION, DISTRACTION AND PAIN CATASTROPHIZING</b> O. Chehadi, K. Konietzny, C. Titze, M. Busch, T. Welt, B. Suchan, M.I. Hasenbring ( <i>Germany</i> )
P008	8	<b>GREATER OCCIPITAL NERVE BLOCK: A MINIMALLY INVASIVE ALTERNATIVE TO BLOOD PATCH FOR POST DURAL PUNCTURE HEADACHE TREATMENT</b> J.C. Stephan, H. Saba, E. Ammanouil, G. Chidiac, S. Chamandi ( <i>Lebanon</i> )

## PAIN IN GENERAL

P009	9	<b>DO WE HAVE TO CONSIDER CHRONIC PAIN AS PART OF POST-ICU SYNDROME? A PROSPECTIVE 12 MONTHS FOLLOW-UP STUDY</b> A. Ojeda, M. Chanza, A. Calvo, C. Dürsteler, C. Ferrando, V. Zafrá, S. Belmonte, E. Zavala ( <i>Spain</i> )
P010	10	<b>CONSEQUENCES OF CHRONIC NON-CANCER PAIN IN MENTAL HEALTH IN ADULTHOOD</b> C.-M. Rocio, E. Gil-García, A. Cabrera-León, S. Barrientos-Trigo, A.M. Porcel-Gálvez ( <i>Spain</i> )
P011	11	<b>MULTIMODAL ANALGESIA IN TRAUMATOLOGIC SURGERY</b> O. Burianov, L. Khimion, T. Omelchenko ( <i>Ukraine</i> )

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P012	12	<b>IMPROVED SLEEP IN INDIVIDUALS USING TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION FOR CHRONIC PAIN MANAGEMENT</b> S. Gozani, D. Chesher, <u>T. Madhavan</u> , X. Kong ( <i>Singapore</i> )

### PAIN IN CHILDREN

P013	13	<b>IS PAIN MEDIATED INDEPENDENTLY AMONG OTHER SYMPTOMS IN PATIENTS SEEKING FOR FATIGUE?</b> <u>I. Bileviciute-Ljungar</u> ( <i>Sweden</i> )
P014	14	<b>MULTIDISCIPLINARY EDUCATION TO TREAT ACUTE AND CHRONIC CHILDHOOD PAIN</b> T. Garcia Abreu, <u>A. Minguez Marti</u> , M. Vidorreta ( <i>Spain</i> )
P015	15	<b>INTEGRATED MODEL OF CARE IN PEDIATRIC AND NEONATAL INTENSIVE CARE UNITS: PAIN MANAGEMENT AROUND THE WORLD</b> M. Grunauer, C. Mikesell, G. Bustamante, <u>A.S. Cueva</u> ( <i>Ecuador</i> )
P016	16	<b>PROMISING CLINICAL EFFECT OF ADDING LOW-DOSE METHADONE IN THE TREATMENT OF COMPLEX PAIN IN PEDIATRIC PATIENTS</b> M. Segerberg, E. Malmros Olsson, <u>S. Lundeberg</u> ( <i>Sweden</i> )
P017	17	<b>POSTURAL MISALIGNMENTS OF THE CHILDREN AND THEIR CONTRIBUTION TO MUSCULOSKELETAL PAIN</b> <u>A. Vaso</u> , E. Miho ( <i>Albania</i> )
P018	18	<b>MEASUREMENT OF INTRAOSSEOUS PRESSURE PAIN ASSESSMENT IN ACUTE HEMATOGENOUS OSTEOMYELITIS IN CHILDREN</b> F. Antonenko, <u>A. Shevtsov</u> ( <i>Russian Federation</i> )
P019	19	<b>EFFICACY OF ULTRASOUND-GUIDED QUADRATUS LUMBORUM BLOCKS (QLB) FOR POSTOPERATIVE ANALGESIA IN PEDIATRIC PATIENTS AFTER ABDOMINAL SURGERY: A RANDOMIZED SINGLE BLINDED CASE CONTROL STUDY</b> B. Zaletskyi, <u>D. Dmytriiev</u> ( <i>Ukraine</i> )
P020	20	<b>FORMER ELITE YOUNG ATHLETES WITH CHRONIC MUSCULOSKELETAL PAIN: EXPERIENCES AND THE ROLE OF FEAR OF FAILURE, FEAR OF SUCCESS AND PERFORMANCE GOALS.</b> <u>M. Goossens</u> , C. Willems, B. Molenaar, J. Verbunt ( <i>Netherlands</i> )

### PAIN IN THE ELDERLY

P021	21	<b>STRUCTURAL BRAIN CHANGES AND EXECUTIVE FUNCTIONS CAN EXPLAIN PAIN RESPONSES IN OLDER ADULTS</b> <u>S. Bunk</u> , M. Franco Emch, K. Koch, S. Zuidema, M. Kunz ( <i>Netherlands</i> )
P022	22	<b>INVESTIGATE THE EFFECT OF LOW BACK PAIN INTENSITY ON LUMBAR REGION FLEXIBILITY, ACTIVE HIP FLEXION MOVEMENT AND QUALITY OF LIFE IN PATIENTS WITH HIP OSTEOARTHRITIS</b> S. Hareket, <u>E. Aslan Telcigurugram</u> , N. Buker, N. Ok ( <i>Turkey</i> )
P023	23	<b>PAIN AND HEALTH-RELATED QUALITY OF LIFE BY FRAILTY STATUS IN OLDER ADULTS RECRUITED TO THE PREVENTION OF FALLS INJURY TRIAL (PREFIT)</b> <u>J. Bruce</u> , A. Hossain, S. Finnegan, E. Withers, R. Lall, M. Underwood, C. Ji, C. Bojke, S. Lamb ( <i>United Kingdom</i> )

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
<b>PAIN IN VULNERABLE GROUPS</b>		
P024	24	<b>RELIABILITY AND VALIDITY OF FIVE TIMES SIT TO STAND TEST IN PREGNANCY-RELATED PELVIC GIRDLE PAIN</b> S. Yenişehir, & Çıtak Karakaya, A.A. Sivaslıoğlu, D. Özen Oruk, M.G. Karakaya ( <i>Turkey</i> )
P025	25	<b>“IT’S JUST GIVING A LOLLYPOP TO A CRYING BABY”- TORTURE-SURVIVORS’ EXPERIENCES OF HEALTHCARE SERVICES FOR MANAGING PERSISTENT PAIN</b> D. Board, S. Childs, R. Boulton ( <i>United Kingdom</i> )
P026	26	<b>PAIN ASSESSMENT IN DISABLED ADULTS: A FEW MISSING PIECES IN THE JIGSAW</b> J. Goubayon, S. Sickout, G. Pickering ( <i>France</i> )
<b>ACUTE PAIN</b>		
P027	27	<b>EFFECTIVE NON-DRUG TREATMENTS FOR PAIN IN PEOPLE WITH DEMENTIA IN AGED RESIDENTIAL CARE SETTINGS: A QUANTITATIVE AND QUALITATIVE SYSTEMATIC LITERATURE REVIEW</b> J. Rundle, J.R. Thompson Coon, J.R. Morgan- Trimmer, I. Lang, A. Corbett ( <i>United Kingdom</i> )
P028	28	<b>CHARACTERIZING EXPERIMENTAL ACUTE SHOULDER PAIN, AND THE EFFECT OF CLINICAL PROVOCATION TESTS</b> N. D’hondt, M. Midwinter, W. Van den Hoorn, H. Kiers, J. van Dieën, D. Veeger, K. Tucker ( <i>Netherlands</i> )
P029	29	<b>THE IMPACT OF MIDAZOLAM ON POSTOPERATIVE PAIN - A MULTICENTRIC PROSPECTIVE PILOT STUDY</b> C. Dahlem, J. Martinho, C. Oliveira, C. Reis, P. Neves, A. Lares, L. Neto, M. Bettencourt, A. Gouveia, G. Carrapatoso, C. Granja, L. Azevedo ( <i>Portugal</i> )
P030	30	<b>ORPHAN NUCLEAR RECEPTOR NR4A1 REGULATES INFLAMMATION AND RESOLUTION OF POSTOPERATIVE PAIN</b> R. Tonello, S.H. Lee, J. Ferreira, T. Berta ( <i>United States</i> )
P031	31	<b>FUNCTIONAL SPATIAL INTEGRATION OF MULTIPLE CONCURRENT ELECTRICAL STIMULATION ASSESSED BY MEANS OF THE NOCICEPTIVE WITHDRAWAL REFLEX IN HUMANS</b> M.C. Henrich, O.K. Andersen, K.S. Frahm ( <i>Denmark</i> )
P032	32	<b>THE EFFICACY OF NALBUPHINE VERSUS FENTANYL AS ADDITIVES TO BUPIVACAINE IN SPINAL ANAESTHESIA FOR INTERNAL FIXATION OF TIBIA-A DOUBLE BLINDED STUDY.</b> M.H. Ahmad Sabry, R. Ammar, S. Ehab ( <i>Egypt</i> )
<b>CANCER PAIN</b>		
P033	33	<b>DIFFERENT TITRATION OF FBT FOR BTCP CONTROL</b> E. Goraj, M. Lipiec ( <i>Poland</i> )
P034	34	<b>INKK TRIAL : INTRAOPERATIVE KETAMINE FOR PERIOPERATIVE PAIN MANAGEMENT FOLLOWING TOTAL KNEE REPLACEMENT IN ONCOLOGY: A DOUBLE BLINDED RANDOMIZED TRIAL</b> S. Paulin, S. Bakshi, A. Kulkarni, P. C Hedge, A. Rathod, A. Gulia, V.S. Paramanandam ( <i>India</i> )

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P035	35	<b>ARE PATIENT EDUCATION AND SELF-CARE ADVANTAGEOUS FOR PATIENTS WITH HEAD AND NECK CANCER? A FEASIBILITY STUDY</b> <i>A. Söderlund Schaller, E. Dragioti, G. Liedberg, B. Larsson (Sweden)</i>
P036	36	<b>TRANS-SACROCOCCYGEAL JUNCTION BLOCK OF GANGLION IMPAR FOR PERINEAL PAIN CONTROL IN ADVANCED CANCER PATIENTS</b> <i>N. Yordanov (Bulgaria)</i>

### PAIN SYNDROMES WALK 2

		Chair: F. Huygen ( <i>Netherlands</i> )
P037	37	<b>EFFECT OF DEXMEDETOMIDINE ON THE DEVELOPMENT OF MECHANICAL ALLODYNIA AND CENTRAL SENSITIZATION IN CHRONIC POST-ISCHEMIA PAIN RATS</b> <i>Y. Jinseok (Korea, Republic of)</i>
P038	38	<b>NEUROINFLAMMATORY MECHANISMS OF CENTRAL SENSITIZATION ARE MEDIATED BY TNF- AND IL1-DRIVEN PATHWAYS IN A PASSIVE TRANSFER-TRAUMA MOUSE MODEL OF COMPLEX REGIONAL PAIN SYNDROME (CRPS)</b> <i>N. Szentes, K. Pohóczky, V. Tékus, B. Botz, Á. Kemény, T. Kiss, Z. Környei, K. Tóth, S. Sensi, J. Hawkes, Á. Dénes, A. Goebel, Z. Helyes (Hungary)</i>
P039	39	<b>“WHEN I REALIZED IT WORKED, I KEPT ON GOING” - PRELIMINARY FINDINGS: A QUALITATIVE STUDY OF CRPS-PATIENTS’ EXPERIENCES WITH GRADED MOTOR IMAGERY</b> <i>I. Krogstad Furu, L. Danielsson Palmi, L. Danielsson, S. Bergvik (Norway)</i>
P040	40	<b>PERIPHERAL VAGOSYMPATHETIC BLOCKADE IN THE CRPS THERAPY</b> <i>J. Procházka (Czech Republic)</i>
P041	41	<b>WHAT IS THE INCIDENCE OF COMPLEX REGIONAL PAIN SYNDROME TYPE I WITHIN FOUR MONTHS OF A WRIST FRACTURE IN THE ADULT POPULATION? A SYSTEMATIC REVIEW</b> <i>C. Rolls, C. McCabe, A. Llewellyn (United Kingdom)</i>
P042	42	<b>PRE-EXISTING HEADACHE HAS A POSTPONED CLINICAL WORSENING AFTER POST DURAL PUNCTURE HEADACHE</b> <i>S. Ljubisavljevic, J. Zidverc Trajkovic (Serbia)</i>

### CENTRAL NEUROPATHIC PAIN

P043	43	<b>NEW PERSPECTIVES ON THE TREATMENT OF COMPLEX REGIONAL PAIN SYNDROME BY KETAMINE</b> <i>M. Sorel, J.-P. Lefaucheur, B. Locko (France)</i>
P044	44	<b>INVOLVEMENT OF IFN-<math>\gamma</math> OF TRIGEMINAL SPINAL SUBNUCLEUSCAUDAL MICROGLIA IN NEUROPATHIC PAIN IN RATS WITH INFRAORBITAL NERVE INJURY</b> <i>S. Asano, A. Okada-Ogawa, M. Shinoda, Y. Imamura, K. Iwata (Japan)</i>
P045	45	<b>MULTI-MODAL ELECTROPHYSIOLOGICAL ASSESSMENTS OF DISTINCT SPINOTHALAMIC FIBRE TRACTS IN CERVICAL MYELOPATHY</b> <i>P.S. Scheuren, J.L.K. Kramer, C.R. Jutzeler, M. Hupp, A. Curt, M. Hubli, J. Rosner (Switzerland)</i>

# Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
<b>HEADACHE</b>		
P046	46	<b>CHRONIC TENSION-TYPE HEADACHE AND COPING STRATEGIES IN ADOLESCENTS. A QUALITATIVE INTERVIEW STUDY</b> L. Skogvold, <u>L.H. Magnussen</u> (Norway)
P047	47	<b>PSYCHOLOGICAL AND DEMOGRAPHICAL ASPECTS OF CHRONIC TENSION-TYPE HEADACHES: PATIENTS' ATTENDANCE IN THE PAIN CLINIC</b> G. Shevtsova, O. Zagorulko, L. Medvedeva, <u>M. Churukanov</u> (Russian Federation)
P048	48	<b>A COMPASS FOR DECIPHERING THE NOCIPLASTIC PAIN MECHANISM OF TENSION-TYPE HEADACHE BASED ON NONLINEAR MULTIDIMENSIONAL ANALYSIS (DETERMINISTIC CHAOS) EEG</b> <u>K. Stepanchenko</u> (Ukraine)
P049	49	<b>SENSITIZATION OF TRIGEMINAL NUCLEUS IN SUBJECTS WITH MIGRAINE INTERICTALLY</b> <u>S. Di Antonio</u> , M. Castaldo, C. Finocchi, P. Torelli, L. Arendt-Nielsen (Denmark)
<b>PAIN SYNDROMES WALK 3</b>		
		Chair: P. Geppetti (Italy)
P050	50	<b>NOCICEPTIVE DESENSITIZATION INDUCED BY 8% TOPICAL CAPSAICIN IN A MODEL OF UVB-INDUCED CUTANEOUS HYPERALGESIA</b> <u>S. Lo Vecchio</u> , H.H. Andersen, J. Elberling, L. Arendt-Nielsen (Denmark)
P051	51	<b>EVIDENCE FOR HUMAN MINERALOCORTICOID AND GLUCOCORTICOID RECEPTORS ON PERIPHERAL NOCICEPTIVE NEURONS - TRANSLATION FROM ANIMAL TO HUMAN BIOLOGY</b> S. Tafelski, D. Mohamed, M. Shaqura, A. Beyer-Koczonek, <u>M. Schäfer</u> , S. Mousa (Germany)
P052	52	<b>CORRELATIONS BETWEEN THE SEVERITY OF NEUROPATHIC PAIN AND SERUM CONTENTS OF BDNF AND TRKB IN PATIENTS WITH DIABETIC NEUROPATHY</b> <u>T. Filimonova</u> , I. Karakulova (Russian Federation)
P053	53	<b>DATA DRIVEN QUANTIFICATION OF THE EFFECTS OF DIFFERENT DOSES OF GABAPENTIN FOR PAIN IN CHRONIC PHASE IN MICE USING MANGANESE-ENHANCED MRI WITH AI BASED ANALYSES</b> <u>A. Nakae</u> , K. Nakai, Y. Yoshioka, H. Kato, C. Kishimoto, K. Nomura, M. Nakanishi, M. Miyamae, R. Urabe, J. Enmi, T. Yanagida (Japan)
P054	54	<b>SHAM-CONTROLLED NAVIGATED REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION IN CENTRAL POST-STROKE PAIN TARGETING M1 AND S2</b> <u>J. Ojala</u> , J. Vanhanen, H. Harno, S. Vaalto, M.A. Kaunisto, J. Putaala, P. Lioumis, M. Kangasniemi, E. Kirveskari, J. Mäkelä, E. Kalso (Finland)
P055	55	<b>STUDY OF SEX DIFFERENCES IN PAIN-, DEPRESSION- AND ANXIETY-RELATED BEHAVIOURS IN THE RAT SPARED NERVE INJURY MODEL OF NEUROPATHIC PAIN</b> <u>L. Boullon</u> , D.P. Finn, A. Llorente-Berzal (Ireland)
P056	56	<b>CHARACTERIZATION OF THE GERMAN HEALTH CARE LANDSCAPE OF MIGRAINE PATIENTS IN THE DATA COLLECTION PANORAMA</b> <u>M. Koch</u> , W. von Pannwitz, W.E. Hofmann, V. Giraud, T. Hemstedt, S. Ortler (Germany)

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P057	57	<p><b>LATE USE OF SYMPTOMATIC PHARMACOLOGICAL TREATMENT IS ASSOCIATED WITH HIGHER SENSITIZATION IN PATIENTS WITH TENSION TYPE HEADACHE</b></p> <p><u>M. Castaldo</u>, C. Fernández-de-las-Peñas, M. María Palacios Ceña, K. Wang, L. Arendt-Nielsen (<i>Denmark</i>)</p>

### LOW BACK PAIN AND LUMBORADICULAR PAIN

P058	58	<p><b>THE EFFECT OF TREATMENT ON PAIN, FUNCTION AND MOBILITY IN ANKYLOSING SPONDYLITIS</b></p> <p><u>P. Athanassiou</u>, A. Tzanavari, L. Athanassiou, P. Tsakiridis, E. Devetzi, T. Dardavesis, I. Kostoglou-Athanassiou (<i>Greece</i>)</p>
P059	59	<p><b>RISK FACTORS FOR NEW EPISODES OF BACK PAIN IN EMERGING ADULTS. A SYSTEMATIC REVIEW</b></p> <p><u>B.E. Øiestad</u>, G. Hilde, A.T. Tveter, G.M. Peat, M.J. Thomas, K.M. Dunn, M. Grotle (<i>Norway</i>)</p>
P060	60	<p><b>QST PREDICTORS OF PHYSICAL EXERCISE TRAINING EFFECTS ON CHRONIC LOW BACK PAIN</b></p> <p><u>K. Cool</u>, A. Bendas, S.J. Thompson, F. Bobeuf, P. Rainville, L. Bherer, B. Pageaux, M. Roy (<i>Canada</i>)</p>
P061	61	<p><b>A COMMUNITY SURVEY TO ASSESS THE PREVALENCE, PAIN INTENSITY AND DISABILITY OF LOW BACK PAIN AMONG THE NORTH INDIAN POPULATION</b></p> <p><u>D. Bansal</u>, B. Ghai (<i>India</i>)</p>
P062	62	<p><b>DIET-MEDIATED PAIN AND INFLAMMATION: NUTRITIONAL CONSIDERATIONS IN SPINAL PAIN DISORDERS</b></p> <p><u>R. Russell</u> (<i>United States</i>)</p>
P063	63	<p><b>HIGH-DENSITY ELECTROMYOGRAPHY PROVIDES NEW INSIGHTS INTO THE FLEXION RELAXATION PHENOMENON IN PEOPLE WITH LOW BACK PAIN</b></p> <p><u>C. Murillo</u>, E. Martinez-Valdes, B. Liew, N. Heneghan, A. Sanderson, A. Rushton, D. Falla (<i>Belgium</i>)</p>
P064	64	<p><b>DEMOGRAPHIC DATA AND CLINICAL CHARACTERISTICS OF PATIENTS WITH CHRONIC LOW BACK PAIN - RESULTS FROM A GLOBAL 8,990 PATIENT SURVEY: CITIZENS' RESEARCH</b></p> <p>J. van Griensven, C. Beck, L. Abraham, S. Wilhelm, C. Constantinescu, V. Carboni, <u>B. Morlion</u> (<i>Belgium</i>)</p>

### PAIN SYNDROMES WALK 4

		Chair: <u>V. Royals</u> ( <i>Spain</i> )
P065	65	<p><b>THE NIH MINIMAL DATASET FOR CHRONIC LOW BACK PAIN: RESPONSIVENESS AND MINIMAL CLINICALLY IMPORTANT CHANGE</b></p> <p><u>A.L. Dutmer</u>, M.F. Reneman, H.R. Schiphorst Preuper, A.P. Wolff, B.L. Speijer, R. Soer (<i>Netherlands</i>)</p>
P066	66	<p><b>MILD SKIN WARMING SELECTIVELY AGGRAVATES HISTAMINERGIC AND SEROTONINERGIC ITCH - A HUMAN EXPERIMENTAL STUDY</b></p> <p><u>D. Riccio</u>, H.H. Andersen, L. Arendt-Nielsen (<i>Denmark</i>)</p>

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P067	67	<b>THE ASSOCIATION BETWEEN BODY IMAGE AND PRESSURE PAIN THRESHOLD: RESTING-STATE FMRI STUDY</b> <u>A.C. Köster</u> , C.G. Levenig, M. Busch, T. Welt, T.L. Schulte, M.I. Hasenbring, O. Chehadi (Germany)
P068	68	<b>QUANTITATIVE SENSORY TESTING PROFILES OF PATIENTS WITH LUMBAR RADICULOPATHY - DO THEY ASSIST IN PREDICTING CLINICAL OUTCOME AFTER SURGERY?</b> <u>B. Tamin</u> , H. Slater, A. Jacques, C. Lind (Australia)
P069	69	<b>A NON-PHARMACOLOGICAL PREHABILITATION PROGRAM BASED ON A COGNITIVE-BEHAVIORAL APPROACH FOR PATIENTS SCHEDULED FOR LUMBAR SURGERY - A ONE YEAR FOLLOW-UP OF A RANDOMIZED CONTROLLED TRIAL</b> <u>M. Lundberg</u> , H. Brisby, A. Gutke, O. Hägg, M. Jakobsson, H. Lotzke, R. Smeets (Sweden)
P070	70	<b>ENHANCED PRO-NOCICEPTIVE MECHANISMS ARE PRESENT IN RECURRENT LOW BACK PAIN PATIENTS, BUT ONLY DURING A PAINFUL EPISODE, IN CONTRAST TO ANTI-NOCICEPTIVE MECHANISMS</b> <u>M.E. McPhee</u> , T. Graven-Nielsen (Denmark)
P071	71	<b>SUBCUTANEOUS TANEZUMAB VERSUS PLACEBO OR TRAMADOL IN PATIENTS WITH CHRONIC LOW BACK PAIN: 16-WEEK EFFICACY AND SAFETY RESULTS FROM A PHASE 3 STUDY</b> <u>J. Markman</u> , R. Bolash, T. McAlindon, A. Kivitz, M. Pombo-Suarez, S. Ohtori, D. Li, L. Viktrup, C. Bramson, K. Verburg, C. West (United States)
P072	72	<b>EVIDENCE BASED TREATMENT RECOMMENDATIONS FOR BACK AND NECK PAIN ACROSS EUROPE: A SYSTEMATIC REVIEW OF GUIDELINES</b> N. Corp, G. Mansell, <u>G. Wynne-Jones</u> , S. Stynes, J. Hill, D. van der Windt (United Kingdom)
P073	73	<b>INDIVIDUAL PATTERN OF PAIN-RELATED CORTICAL ACTIVITY IN PATIENTS WITH CHRONIC MIGRAINE AND CHRONIC BACK PAIN</b> P. Jahn, A. Mayr, V. Witkovsky, A. Stankewitz, A. Straube, <u>E. Schulz</u> (Germany)

### OROFACIAL PAIN

P074	74	<b>SYMPTOM SEVERITY IN BURNING MOUTH SYNDROME ASSOCIATES WITH PSYCHOLOGICAL FACTORS</b> <u>H. Forssell</u> , P. Puukka, T. Teerijoki-Oksa, A.-M. Estlander (Finland)
P075	75	<b>A NOVEL CYTOKINE AXIS ASSOCIATED WITH NEUROPATHIC PAIN</b> <u>O.O. Solis-Castro</u> , E.V. Bird, E. Sher, F.M. Boissonade (United Kingdom)
P076	76	<b>OROFACIAL ALLODYNIA IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS IS ACCOMPANIED BY GLIA ACTIVATION IN THE CENTRAL NERVOUS SYSTEM AND BY METABOLIC ALTERATIONS IN THE TRIGEMINAL GANGLION</b> G. Magni, S. Pedretti, N. Mitro, S. Ceruti (Italy)
P077	77	<b>THE USE OF RADIOFREQUENCY THERMAL DENERVATION OF THE TRIGEMINAL GANGLION FOR MALIGNANT TRIGEMINAL NEUROPATHY: A CASE REPORT</b> <u>M. Menon</u> , A. Kumar, P. Chadha, S. Goyle (India)



## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P078	78	<b>KINESIOTAPING IN RECOVERING OF THE MOVEMENT PATTERNS IN PATIENTS WITH MYOFASCIAL PAIN SYNDROME IN THE CRANIOMANDIBULAR REGION</b> <i>A. Barulin, O. Kurushina, B. Kalinchenko (Russian Federation)</i>
P079	79	<b>ULTRASONIC VOCALIZATION ANALYSIS FOR THE STUDY OF THE AFFECTIVE COMPONENT OF ACUTE OROFACIAL PAIN AND EMOTIONAL CONTAGION OF PAIN IN RATS</b> <i>A. Ribeiro Barroso, E. Ivanna Araya, C. Pasquini de Souza, R. Andreatini, J. Geremias Chichorro (Brazil)</i>

### OSTEOARTHRITIS, RHEUMATOID ARTHRITIS

P080	80	<b>SENSITIZATION IN PATIENTS WITH CHRONIC PAIN FOLLOWING KNEE OSTEOARTHRITIS OR TOTAL KNEE ARTHROPLASTY</b> <i>L. Arendt-Nielsen, P. Madeleine, O. Simonsen, J.B. Larsen (Denmark)</i>
P081	81	<b>POSTOPERATIVE PAIN CONTROL AFTER TOTAL KNEE REPLACEMENT IN PATIENTS WITH END STAGE OSTEOARTHRITIS</b> <i>A. Gavrilovski, S. Trpeski, M. Vukovic (Macedonia, the Republic of)</i>
P082	82	<b>MIA-INDUCED OSTEOARTHRITIS-LIKE KNEE PAIN IMPACTS ON COGNITIVE FUNCTIONS IN LISTER HOODED RATS</b> <i>S. Goncalves, T. Bast, G. Hathway, V. Chapman (United Kingdom)</i>

### PAIN IN THE NECK AND CERVICORADICULAR PAIN

P083	83	<b>CIRCULATING GLUTAMATE/ANANDAMIDE RATIO DIFFERS AFTER 30 MINUTES ARM-CYCLING IN CHRONIC PAIN SUBJECTS COMPARED WITH HEALTHY CONTROLS</b> <i>N. Stensson, A. Grimby-Ekman (Sweden)</i>
P084	84	<b>THE EFFECT OF A POSTURE CUEING SHIRT ON POSTURE AND PERCEIVED PAIN DURING A COMPUTER TASK IN HEALTHY PARTICIPANTS</b> <i>S. Christensen, S. Johansson, M. Dalgaard, A. Jensen, T. Høgsted, T. Palsson (Denmark)</i>
P085	85	<b>RISK FACTORS FOR NECK PAIN IN YOUNG ADULTS - A SYSTEMATIC REVIEW</b> <i>H. Jahre, M. Grotle, K. Smedbråten, K.M. Dunn, S. Stensland, B.E. Øiestad (Norway)</i>
P086	86	<b>IMPAIRED SHOCK ATTENUATION IN PEOPLE WITH CHRONIC NECK PAIN DURING CURVILINEAR GAIT</b> <i>D. Jiménez-Grande, A. Alsubaie, A. Marco De Nunzio (United Kingdom)</i>

### PERIPHERAL NEUROPATHIC PAIN

P087	87	<b>SMALL CASE SERIES: PELVIC PAIN OUTCOMES AFTER TRANS-VAGINAL MESH REMOVAL SURGERY AT A TERTIARY INTERDISCIPLINARY PELVIC PAIN CLINIC IN SYDNEY, AUSTRALIA</b> <i>E. Howard, T. Vancaillie (Australia)</i>
P088	88	<b>A NEW METHOD TO ASSESS NERVE AND ENDOTHELIAL DEPENDENT MICROCIRCULATORY BLOOD PERFUSION IN FABRY DISEASE</b> <i>J. Forstenpointner, J. Otto, M. Sendel, P. Moeller, M. Reimer, S. Rehm, P. Hüllemann, J. Gierthmühlen, R. Baron (Germany)</i>

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P089	89	<b>IS NEUROPATHIC PAIN ASSOCIATED WITH COGNITIVE DECLINE?</b> <u>S. Liesto</u> , R. Sipilä, T. Aho, H. Harno, M. Hietanen, E. Kalso ( <i>Finland</i> )
P090	90	<b>CORRELATIONS BETWEEN NEUROPATHIC PAIN, QUALITY OF LIFE AND MOOD IN TYPE 2 DIABETIC PATIENTS</b> <u>R.N. Demirtaş</u> ( <i>Turkey</i> )
P091	91	<b>BILATERAL WIRELESS CUBITAL STIMULATOR FOR TREATMENT OF IDIOPATHIC BILATERAL CUBITAL NEUROPATHY</b> P. Pardo, <u>L. Hurtado</u> , E. Utrera, L. Garcia, B. Escamilla, C. Tornero ( <i>Spain</i> )
P092	92	<b>THE PATIENT JOURNEY IN CANCER/ CHEMOTHERAPY-RELATED NEUROPATHIC PAIN (CRNP): REVEALING GAPS BETWEEN GUIDELINES AND REALWORLD PRACTICE</b> J. Tempero, C. Butler, H. Blaszcok, <u>Ö. Sancak</u> ( <i>Germany</i> )
P093	93	<b>SPATIAL DISCRIMINATION ACUITY OF NOCICEPTIVE STIMULI AND BODY REPRESENTATION DISTURBANCES IN POLYNEUROPATHY PATIENTS</b> <u>L. Steenken</u> , V. Dimova, F. Birklein ( <i>Germany</i> )
P094	94	<b>5-FLUORO-2-OXINDOLE TREATMENT INHIBITED NEUROPATHIC PAIN AND THE EMOTIONAL DISORDERS ASSOCIATED AND ENHANCED THE LOCAL ANTINOCICEPTIVE EFFECTS OF MORPHINE</b> P. Ferreira-Chamorro, A. Redondo, G. Riego, <u>O. Pol</u> ( <i>Spain</i> )

### PHANTOM LIMB PAIN

P095	95	<b>NON PHARMACOLOGICAL TREATMENT OF PHANTOM LIMB PAIN: A SYSTEMATIC REVIEW</b> <u>J.M. López-Millán</u> , R. Sánchez Delgado ( <i>Spain</i> )
P096	96	<b>ROLE OF MIRROR IMAGE THERAPY FOR PHANTOM LIMB PAIN IN BELOW KNEE AMPUTEES</b> <u>P. Gupta</u> ( <i>India</i> )

### VASCULAR PAIN

P097	97	<b>ANXIETY-DEPRESSIVE DISORDERS IN WOMEN OF REPRODUCTIVE AGE WITH PELVIC VARICOSE VEINS</b> <u>S. Amirkhanova</u> ( <i>Russian Federation</i> )
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### VISCERAL PAIN

P098	98	<b>SODIUM CROMOGLYATE IN THE TREATMENT OF ABDOMINAL PAIN IN A PATIENT WITH MAST CELL ACTIVATION SYNDROME</b> <u>Y. Kamel</u> , S. Kadri, P. Ingle, B. Raithatha, S. Abdelbadiee ( <i>United Kingdom</i> )
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# Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
<b>WIDESPREAD PAIN</b>		
P099	99	<b>AUTONOMIC DYSREGULATION AND DECREASED HEART RATE VARIABILITY IN FIBROMYALGIA UNDER ACUTE COGNITIVE STRESS</b> <u>T.A. Zetterman</u> , R. Markkula, J.V. Partanen, T. Miettinen, A.-M. Estlander, E. Kalso ( <i>Finland</i> )
P100	100	<b>CAN WE IDENTIFY A “PURE” FIBROMYALGIA (FM) PHENOTYPE?</b> <u>S. Butler</u> , A. Woodhouse, T. Landmark, M. Glette, P. Borchgrevink ( <i>Sweden</i> )
<b>ANATOMY AND PHYSIOLOGY SOMATOSENSORY SYSTEM</b>		
P101	101	<b>MORPHINE-INDUCED HYPERALGESIA AND PKC<math>\epsilon</math> EXPRESSION IN DORSAL ROOT GANGLION: THE ROLE OF NK1 RECEPTOR</b> <u>H. Manaheji</u> , M. Rahban, S. Danyali, R. Ghasemi, J. Zaringhalam ( <i>Iran, Islamic Republic of</i> )
P102	102	<b>THE EFFECTS OF USE-DEPENDENT NEUROPLASTICITY AND CHRONIC PAIN ON SOMATOSENSORY PERIPHERAL AND CORTICAL EXCITABILITY</b> <u>A. Zamorano</u> , F. Arguissain, B. Kleber, P. Vuust, S. Boudreau, H. Flor, T. Graven-Nielsen ( <i>Denmark</i> )
P103	103	<b>OREXIN POTENTIATES GABAA RECEPTOR-MEDIATED IPSCS BY ACTIVATION OF POSTSYNAPTIC OREXINERGIC RECEPTOR 1 IN THE RAT INSULAR CORTEX</b> <u>M. Chikira</u> , Y. Oi, K. Masayuki ( <i>Japan</i> )
P104	104	<b>INTERACTION OF PAIN-LTP AND PAIN-LTD SUGGEST THE OPERATION OF HIGHER ORDER PLASTICITY (METAPLASTICITY) IN THE HUMAN PAIN SYSTEM</b> F. Bicu, F. Henrich, <u>W. Magerl</u> ( <i>Germany</i> )
P105	105	<b>ENHANCED ATP SECRETION FOLLOWING NOCICEPTIVE STIMULATION AND MODULATION OF NOCICEPTIVE TRANSMISSION VIA P2X RECEPTORS IN THALAMOCINGULATE PATH</b> <u>Y.-H. Kuan</u> , S.-J. Cheng, B.-C. Shyu ( <i>Taiwan, Province of China</i> )
<b>BIOLOGY</b>		
P106	106	<b>GENOME-WIDE ASSOCIATION STUDY REVEALS SEX-SPECIFIC GENETIC INFLUENCE IN CHRONIC WIDESPREAD MUSCULOSKELETAL PAIN</b> <u>M.S. Rahman</u> , M. B. Freidin, F. M.K. Williams ( <i>United Kingdom</i> )
<b>BASICS IN PAIN WALK 1</b>		
		Chair: E. Pogatzki-Zahn ( <i>Germany</i> )
P107	107	<b>MICROGLIA PROMOTE NEUROPATHIC PAIN VIA ELIMINATING GABAERGIC SYNAPSES IN SPINAL CORD</b> <u>Y. Zou</u> , I.H.T. Ho, X. Liu, T. Gin, W.K.K. Wu, M.T.V. Chan ( <i>Hong Kong, China</i> )

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P108	108	<b>CLASSICAL MOLECULAR DYNAMICS: A TOOL TO SPEED THE PAIN RESEARCH UP</b> <u>F. Andrijauskas</u> , G. F. Catroli ( <i>Brazil</i> )
P109	109	<b>WHOSE DECISION IS THE BEST DECISION? CLINICAL DECISION-MAKING REGARDING THE MANAGEMENT OF PAIN: DIFFERENCES BETWEEN NOVICE, INTERMEDIATE AND EXPERT NURSES</b> <u>I. Zlatkin</u> , Y. Gendler ( <i>Israel</i> )
P110	110	<b>RECOVER-E - A MOBILE SUPPORT FOR PATIENTS WITH HIP- OR KNEE REPLACEMENT</b> <u>N. Nestler</u> , N. Schüßler, A. Stauber, D. Bruns, N. Schürholz, J. Osterbrink ( <i>Austria</i> )
P111	111	<b>THE ROLE OF STRUCTURED PAIN MANAGEMENT EDUCATION TO PREVENT PAIN UNDERESTIMATION AMONG NURSING STUDENTS</b> <u>M. Yildirim</u> , O. Gumuskaya Bradley, H. Arslan Ozkan ( <i>Spain</i> )
P112	112	<b>CURRENT TREATMENTS FOR CHRONIC PAIN MANAGEMENT: EFFECTS OF ONLINE EDUCATION ON RHEUMATOLOGIST AND PRIMARY CARE PHYSICIAN KNOWLEDGE AND CONFIDENCE</b> <u>T. Oneil</u> , G. Griffith, C. Scot-Smith, T. Tolle ( <i>United States</i> )
P113	113	<b>KNOWLEDGE AND PRACTICE OF PAIN ASSESSMENT AND MANAGEMENT AMONG NURSES IN SERBIA</b> <u>M. Srebro</u> , D. Srebro ( <i>Serbia</i> )
P114	114	<b>EUROPEAN KNOWLEDGE ALLIANCE FOR INNOVATIVE MEASURES IN PREVENTION OF WORK-RELATED MUSCULOSKELETAL DISORDERS</b> <u>P. Bellosta-López</u> , L. Uncrop, M. Hoegh, T.S. Palsson, S. Boudreau, S.W. Christensen, P.S. Jensen, P.B. Silva, F. Langella, V. Doménech, N. Secorro, P. Herrero ( <i>Spain</i> )
P115	115	<b>RESULTS OF THE WHO FIELD TESTING FOR THE CLASSIFICATION OF CHRONIC PAIN FOR THE ICD-11</b> <u>A. Barke</u> , <u>B. Korwisi</u> , W. Rief, R.-D. Treede ( <i>Germany</i> )

### BIOLOGY

P116	116	<b>WHAT DO PATIENTS LIVING WITH CHRONIC PAIN THINK ABOUT THE NEW ICD-11 CLASSIFICATION OF CHRONIC PAIN? A EUROPE-WIDE ONLINE SURVEY</b> <u>B. Korwisi</u> , G. Hay, R.-D. Treede, W. Rief, A. Barke ( <i>Germany</i> )
P117	117	<b>MACHINE LEARNING - FROM ARTIFICIAL INTELLIGENCE TO PAIN RESEARCHES: DELINEATING LABORATORY EXPERIMENTS</b> <u>F. Andrijauskas</u> , G. F. Catroli ( <i>Brazil</i> )
P118	118	<b>ASSESSMENT OF RODENT-SPECIFIC WELFARE-BEHAVIOR AS A SURROGATE MARKER FOR PAIN AFTER INCISION INJURY</b> <u>D. Segelcke</u> , Z. Jiang, K. Kaschube, M. Augustin, E. Pogatzki-Zahn ( <i>Germany</i> )
P119	119	<b>PHARMACOKINETIC AND PHARMACODYNAMICS ASSESSMENT OF THE ANTI-NOCICEPTIVE EFFECT OF PROPOFOL AND THIOPENTAL IN RAT</b> <u>N. Bakhtiari</u> ( <i>Iran, Islamic Republic of</i> )

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P120	120	<b>EFFECT OF PH AND OXYGEN TENSION ON DORSAL ROOT GANGLION CALCIUM RESPONSE TO BRADYKININ AND NEURITE SPROUTING</b> J. Ma, D. Stefanoska, S. Grad, M. Alini, M. Peroglio (Switzerland)
P121	121	<b>CLUSTERING PATIENTS WITH FIBROMYALGIA USING THE FIBROMYALGIA IMPACT QUESTIONNAIRE REVISED (FIQR): DIFFERENCES IN CLINICAL OUTCOMES, ECONOMIC COSTS, INFLAMMATORY MARKERS AND GRAY MATTER VOLUMES</b> A. Pérez-Aranda, A. Feliu-Soler, L. Andrés-Rodríguez, C. Núñez, C. Stephan-Otto, M.Á. Pastor, S. López-Roig, C. Peñacoba, E.P. Calandre, M. Slim, M. Salgueiro, G. Feixas, J. Luciano (Spain)

### DIGITIZATION IN PAIN MANAGEMENT

P122	122	<b>DIGITAL BIOMARKERS OF GAIT AND ASSOCIATIONS WITH FUNCTION IN KNEE OSTEOARTHRITIS AND LUMBAR SPINAL STENOSIS</b> M. Smuck, C. Odonkor, A. Muaremi, M.A. Ith, W. Zhang (United States)
P123	123	<b>EFFECTIVENESS OF SELF-MANAGEMENT APP FOR CHRONIC LOW BACK PAIN: A PILOT RANDOMIZED CONTROLLED TRIAL</b> Y. Tsuboi, N. Fukutani, S. Murata, T. Isa, N. Matsuda, M. Okumura, R. Kawaharada, E. Perrein, G. Melinda, K. Nakatsuka, K. Uchida, K. Horibe, R. Ono (Japan)
P124	124	<b>OPIOID CALCULATORS: QUALITY OR JUST QUANTITY?</b> J. Noyes (United Kingdom)
P125	125	<b>CLINICAL MANAGEMENT OF NECK AND LOW BACK PAIN THROUGH PERSONALISED PROGNOSTIC MODELS: THE BACK-UP PROJECT</b> H. De Rosario, J.M. Baydal-Bertomeu, M.J. Vivas-Broseta, J. López-Pascual, I. Bermejo (Spain)

### EPIDEMIOLOGY

P126	126	<b>INJURY RELATED PAIN IN COLLEGIATE ATHLETES IN ONE REPORTING SEASON</b> C. Blake, C. Purcell, M. Roe, B. Fullen, C. Doody, U. McCarthy Persson (Ireland)
P127	127	<b>IS THE HIGH BURDEN IN CHRONIC LOW BACK PAIN IN FACT RELATED TO PRESENCE OF CHRONIC WIDESPREAD PAIN?</b> A. Grimby-Ekman, B. Johansson, S. Bergman (Sweden)
P128	128	<b>SWITCH TO STRONG OPIOIDS IN CHRONIC OPIOID USERS: ANALYSIS OF THE FRENCH NATIONAL HEALTH INSURANCE DATABASE. THE FRONTALGIC STUDY</b> A.-P. Trouvin, C. Collin, N. Coulombel, N. Attal, J. Nizard, I. Bardoulat, M. Maravic, C. Le Pen, S. Perrot (France)
P129	129	<b>TRENDS IN PRESCRIBING OPIOID DRUGS IN THE UNITED KINGDOM FROM 2011 TO 2016</b> C. Morgan, P. Conway, C. Currie, R. Knaggs (United Kingdom)
P130	130	<b>THE ASSOCIATION BETWEEN CHRONIC PAIN AND PHYSICAL ACTIVITY AT WORK AND IN LEISURE TIME - THE TROMSØ STUDY 7</b> M. Fjeld, A.P. Årnes, B. Engdahl, B.H. Strand, A. Stubhaug, C.S. Nielsen, Ó.A. Steingrímssdóttir (Norway)

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P131	131	<b>PREVALENCE AND CHARACTERISTICS OF CHRONIC PAIN IN PATIENTS ATTENDING PRIMARY CARE UNITS IN CONTINENTAL PORTUGAL: AN OBSERVATIONAL STUDY</b> <u>F. Antunes</u> , R. Marques Pereira, V. Afonso, R. Tinoco ( <i>Portugal</i> )

### HISTORY

P132	132	<b>ANALYSIS OF THE BATTEY OPERATION: INDICATIONS, OUTCOMES AND CHRONIC PELVIC PAIN</b> <u>J. Jarrell</u> ( <i>Canada</i> )
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### PSYCHOLOGY

P133	133	<b>THE PAIN ALARM RESPONSE - HOW CONSCIOUS AWARENESS SHAPES PAIN</b> <u>M. Pontén</u> , J. Fust, P. D'Onofrio, R. van Dorp, S. Odmalm, L. Sunnergård, M. Ingre, J. Axelsson, K. Jensen ( <i>Sweden</i> )
P134	134	<b>"I WISH I NEVER STARTED THEM": INVESTIGATING THE EXPERIENCES OF UK HEALTH CARE PROFESSIONALS AND PATIENTS OF USING OPIOIDS TO TREAT CHRONIC NON-CANCER PAIN</b> <u>E. Begley</u> , C. Montgomery, H. Poole, H. Sumnall, B. Frank ( <i>United Kingdom</i> )
P135	135	<b>THE EFFECT OF PAIN AND STIMULUS SALIENCE ON TEMPORAL ATTENTION- A MULTI-STUDY EXAMINATION USING THE ATTENTIONAL BLINK TASK</b> <u>J. Walsh</u> , S. Jones ( <i>United Kingdom</i> )
P136	136	<b>PAIN CATASTROPHIZING: "WHAT IF...?" CATASTROPHIC WORRY IS AN OVERLOOKED ASPECT?</b> <u>L. Petrini</u> , C. Guldborg, L. Arendt-Nielsen ( <i>Denmark</i> )
P137	137	<b>WAYS TO COMPENSATE FOR MORAL PAIN IN VISUAL IMPAIRMENT</b> <u>S. Trifu</u> , M. Onofreiu, A.M. Dragoi ( <i>Romania</i> )

### SOCIETAL IMPACT

P138	138	<b>SOCIETAL IMPACT OF PAIN (SIP) - EXPERIENCES FROM A SIP NATIONAL PLATFORM IN FRANCE</b> <u>G. Pickering</u> , F. Aubrun, S. Perrot, F. Alliot-Launois, F. Telmon, A. Alfonsi ( <i>Belgium</i> )
P139	139	<b>HOW TO BUILD MULTI-STAKEHOLDER PLATFORMS TO TACKLE THE SOCIETAL IMPACT OF PAIN AT NATIONAL LEVEL</b> <u>V. Carraro</u> , B. Morlion, J. van Griensven, G. Petersen, M. Votta ( <i>Belgium</i> )
P140	140	<b>A HYPOALGESIC EFFECT OF TOUCHING A SOCIAL ROBOT</b> <u>N. Geva</u> , S. Levy-Tzedek ( <i>Israel</i> )

# Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
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## DIAGNOSIS AND MEASUREMENT IN PAIN WALK 1

Chair: M. F. Reneman (*Netherlands*)

P141	141	<b>AWARENESS OF AND ADHERENCE TO CONCUSSION GUIDELINES AMONG COACHES IN HANDBALL IN DENMARK</b> <u>P.T. Aarup</u> , S.D. Kristiansen, M. Hoegh ( <i>Denmark</i> )
P142	142	<b>DEFINING THE THERAPEUTIC WINDOW (TW) FOR SPINAL CORD STIMULATION (SCS) USING EVOKED COMPOUND ACTION POTENTIAL (ECAP) RECORDINGS - RESULTS FROM THE EVOKE STUDY</b> <u>J.-W. Kallewaard</u> , H. Nijhuis ( <i>Netherlands</i> )
P143	143	<b>ACUTE POST-OPERATIVE PAIN AFTER ORTHOGNATHIC SURGERY COULD BE PREDICTED BY CONDITIONED PAIN MODULATION (CPM) AND PAIN CATASTROPHIZING SCALE (PCS)-MAGNIFICATION</b> <u>K. Takashima</u> , Y. Oono, S. Takagi, K. Makino, H. Nagasaka, K. Wang, L. Arendt-Nielsen, H. Kohase ( <i>Japan</i> )
P144	144	<b>DIFFERENCES IN PRESSURE PAIN THRESHOLDS IN COMPUTER WORKERS WITH CHRONIC TRAPEZIUS MYALGIA, NON-SPECIFIC CHRONIC NECK PAIN AND HEALTHY WORKERS</b> <u>A. Nunes</u> , M. Espanha, L. Arendt-Nielsen, K. Petersen ( <i>Portugal</i> )
P145	145	<b>MONITORING ELECTRICAL BRAIN RESPONSES AROUND NOCICEPTIVE DETECTION THRESHOLD</b> <u>T. Berfelo</u> , B. van den Berg, I.P. Krabbenbos, J.R. Buitenweg ( <i>Netherlands</i> )
P146	146	<b>PRECLINICAL AND CLINICAL MEASUREMENTS OF DESCENDING CONTROLS: A TRANSLATIONAL STUDY</b> <u>T. Cummins</u> , M. Kucharczyk, S. McMahon, K. Bannister ( <i>United Kingdom</i> )
P147	147	<b>EVOKE COMPOUND ACTION POTENTIAL (ECAP) RECORDINGS PROVIDE INSIGHT INTO THE VARIABILITY OF SPINAL CORD (SC) ACTIVATION DURING SPINAL CORD STIMULATION (SCS)</b> <u>H. Nijhuis</u> , N. Mekhail, S. Falowski, J.-W. Kallewaard ( <i>Netherlands</i> )
P148	148	<b>ASSESSING CHRONIC PAIN HEALTH LITERACY: A SCOPING REVIEW OF PAIN-SPECIFIC INSTRUMENTS</b> <u>P. Mandysova</u> , I. Matejkova, J. Fusek ( <i>Czech Republic</i> )

## CLINICAL DIAGNOSTICS FOR THE ASSESSMENT OF PAIN

P149	149	<b>EVOKED COMPOUND ACTION POTENTIAL RECORDING TO FURTHER UNDERSTAND EFFECT OF TITRATING MEDICATION WITH SPINAL CORD STIMULATION - CASE STUDY</b> <u>N. Mekhail</u> , S. Rosen ( <i>United States</i> )
P150	150	<b>MULTIDISCIPLINARY STUDY PROTOCOL FOR FIBROMYALGIA DIAGNOSIS: CIRCULATING LYMPHOCYTES OPIOID RECEPTORS AS INNOVATIVE BIOMARKERS</b> <u>V. Malafoglia</u> , S. Ilari, C. Moretti, M. Tenti, C. Iannuccelli, L. Vitiello, M. Di Franco, C. Muscoli, W. Raffaeli ( <i>Italy</i> )

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P151	151	<p><b>RISK FACTORS PREDICTION OF PAIN TO PREVENTION OF OXALIPLATIN-INDUCED PAINFUL NEUROPATHY: AN EXPLORATORY STUDY</b></p> <p>N. Novato, <u>R. Galhardoni</u>, V. Silva, M. Jacobsen Teixeira, D. Ciampi de Andrade (<i>Brazil</i>)</p>

### INSTRUMENTS FOR THE ASSESSMENT OF PAIN

P152	152	<p><b>MTBI AND WHIPLASH DISABILITY VARIANCE 6- MONTHS POST- MOTOR VEHICLE COLLISION EXPLAINED BY DIFFERENT FACTORS</b></p> <p><u>P. Kuperman</u>, N. Bosak, C. Buxbaum, Y. Granovsky, M. Granot, H. Bahouth, H. Ben Lulu, S. Fadel, E. Sprecher, D. Yarnitsky (<i>Israel</i>)</p>
P153	153	<p><b>BELIEFS OF WEATHER INFLUENCE AND CHRONIC PAIN: A PILOT STUDY WITH AN APP WITH GEOPOSITIONING TECHNOLOGY</b></p> <p><u>D. Castilla</u>, G. Molinari, C. Suso-Ribera, I. Zaragoza, A. Ibañez-Flecha, A. Garcia-Palacios (<i>Spain</i>)</p>
P154	154	<p><b>HOW WILL TECHNOLOGY CHANGE ASSESSMENT AND MONITORING OF CHRONIC PAIN? THE CASE OF DOLORTIC, THE PATIENT APP AND THE PROFESSIONAL'S PLATFORM</b></p> <p><u>D. Castilla</u>, I. Jaen, I. Zaragoza, C. Suso-Ribera, A. Garcia-Palacios, M.I. De Miguel Cabrera, J.M. Mercado Escribá, J.A. Bataller Vicent, M. García Puche, M. Vila Sánchez, J.L. Gómez Palonés (<i>Spain</i>)</p>
P155	155	<p><b>THE INFLUENCE OF FATIGUE ON THE NOCICEPTIVE FLEXION REFLEX: A RANDOMIZED CROSS-OVER STUDY</b></p> <p>E. Dhondt, L. Danneels, T. Palmans, J. Rijckaert, <u>J. Van Oosterwijck</u> (<i>Belgium</i>)</p>
P156	156	<p><b>A SINGLE-DOSE, PLACEBO-CONTROLLED, CROSS-OVER STUDY TO EVALUATE LPS-INDUCED HYPERALGESIA IN HEALTHY VOLUNTEERS</b></p> <p><u>H.J. Hijma</u>, L. Moss, P. Gal, D. Ziaqkos, M. Moerland, G.J. Groeneveld (<i>Netherlands</i>)</p>
P157	157	<p><b>IS THE HOSPITAL ANXIETY AND DEPRESSION SCALE A GOOD MEASURE OF EMOTIONAL DISTRESS IN PATIENTS WITH CHRONIC PAIN?</b></p> <p><u>R. Lo Martire</u>, B. Ång, B. Gerdle, L. Vixner (<i>Sweden</i>)</p>
P158	158	<p><b>PAIN MEASUREMENT AND ANALYSIS : A BIOMETRIC APPROACH TO THE CHRONICIZATION OF PAIN</b></p> <p><u>C. Cavalier</u> (<i>France</i>)</p>
P159	159	<p><b>COMPARISON OF ELECTRODES DESIGNED FOR PREFERENTIAL ACTIVATION OF CUTANEOUS NOCICEPTORS VIA EXPERIMENTAL ASSESSMENTS AND COMPUTATIONAL MODELING</b></p> <p><u>A.H. Poulsen</u>, J. Tigerholm, O.K. Andersen, C.D. Mørch (<i>Denmark</i>)</p>
P160	160	<p><b>VALIDITY AND RELIABILITY OF THE EUROPEAN PORTUGUESE VERSION OF THE FUNCTIONAL DISABILITY INVENTORY</b></p> <p><u>R. Andias</u>, B. Santos, J. Monteiro, A.G. Silva (<i>Portugal</i>)</p>
P161	161	<p><b>RELEVANCE OF VAPAIN CORE OUTCOME DOMAINS WERE CONFIRMED BY PATIENTS - RESULTS OF FOCUS GROUP DISCUSSIONS</b></p> <p><u>U. Kaiser</u>, K. Neustadt, R. Sabatowski, S. Deckert (<i>Germany</i>)</p>



## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P162	162	<b>DOES CONDITIONED PAIN MODULATION (CPM) CORRELATE WITH CLINICAL PAIN? A SYSTEMATIC REVIEW OF THE LITERATURE</b> C. Fernandes, M. Pidal-Miranda, N. Samartín-Veiga, <u>M.T. Carrillo-de-la-Peña</u> (Spain)

### MEASUREMENT OF PSYCHOSOCIAL ASPECTS OF PAIN

P163	163	<b>FEAR OF MOVEMENT AND PAIN CATASTROPHIZING AT BASELINE PREDICT TREATMENT OUTCOME ONE YEAR AFTER A PAIN MANAGEMENT PROGRAM</b> <u>N. Evans</u> , K. Fonager, H.B. Vaegter (Denmark)
P164	164	<b>PAIN INTERFERENCE TYPE AND LEVEL GUIDE THE ASSESSMENT PROCESS IN CHRONIC PAIN</b> <u>T. Miettinen</u> , H. Kautiainen, P. Mäntyselkä, S.J. Linton, E. Kalso (Finland)
P165	165	<b>SELF-ASSESSMENT AND ATTITUDES TO SELF-CARE OF PATIENTS WITH CHRONIC BACK PAIN</b> <u>A. Hadunkina</u> , I. Freimanis, I. Logina, M. Maliņa, M. Arons (Latvia)

### STRUCTURAL AND FUNCTIONAL IMAGING IN PAIN

P166	166	<b>ASSESSING THE SPECIFICITY OF ALPHA FREQUENCY IN PREDICTING PAIN</b> <u>E. Valentini</u> , D. McInerney (United Kingdom)
P167	167	<b>PRIOR COGNITIVE INFORMATION DIFFERENTIALLY MODULATES THE INSULA ACTIVITIES DURING PAIN AND TACTILE PROCESSING</b> <u>N. Taniguchi</u> , N. Hironaga, S. Tobimatsu (Japan)
P168	168	<b>DIAGNOSTIC MUSCULOSKELETAL ULTRASOUND IN PHYSIOTHERAPY ON PATIENTS WITH SHOULDER PAIN</b> <u>M. Thoomes-de Graaf</u> , A. Verhagen, W. Scholten-Peeters, Y. Karel, E. Duijn, B. Koes, R. Ottenheijm, G.J. Dinant, M. van den Borne, A. Beumer, E. Tetteroo, C. Lucas (Netherlands)

### COMPLEMENTARY MEDICINE

P169	169	<b>MODIFIED BUYANG HUANWU DECOCTION FOR ANTI-INFLAMMATION</b> H.-H. Ryu, J.-C. Kang, U. Namgung, <u>J.-Y. Park</u> (Korea, Republic of)
P170	170	<b>A COMPARISON OF FIBROMYALGIA REGISTRY PATIENTS AND UNITED STATES RESIDENTS ON VITAMIN D AND ITS RELATION WITH SOCIO-DEMOGRAPHIC AND HEALTH VARIABLES</b> L. Toussaint, M. Whipple, A. Keuny, P. Monteso-Curto, <u>A. Vincent</u> (United States)

### INTERVENTIONAL BLOCKADE THERAPIES

P171	171	<b>MULTIDISCIPLINARY TEAM (MDT) SIMULATION IN REMOTE SITE PAIN THEATRES</b> <u>R. Berwick</u> , J. Masters, M. Rowson, K. Glennon, S. Aseri, S. Jayaseelan (United Kingdom)
P172	172	<b>USING PERCUTANEOUS ELECTRICAL NEUROSTIMULATION (PENS) TO TREAT REFRACTORY NEUROPATHIC PAIN POSTHERNIORRHAPHY</b> <u>P. Rego Hermida</u> , E. Pastor Martinez, C. Tornero (Spain)

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P173	173	<b>ULTRASOUND GUIDED INJECTION TECHNIQUE FOR TRIGGER FINGER AS A NON SURGICAL ALTERNATIVE</b> <u>S.A. Córdoba Holt</u> (Spain)
P174	174	<b>RANDOMIZED CONTROL STUDY TO EVALUATE EFFECTIVENESS OF PECTORAL NERVE BLOCK FOR POST OPERATIVE ANALGESIA IN PATIENTS UNDERGOING MASTECTOMY</b> <u>S. Tiwari</u> , S. Sharma, K. Sharma (India)

### PAIN THERAPIES WALK 1

		Chair: J. Osterbrink (Austria)
P175	175	<b>2 YEARS FOLLOW-UP RESULTS OF COOLED VERSUS CONVENTIONAL RADIOFREQUENCY DENERVATION FOR SACROILIAC JOINT PAIN: A RETROSPECTIVE EVALUATION</b> <u>A. Tinnirello</u> , S. Barbieri, M. Todeschini (Italy)
P176	176	<b>THE OPTIMAL VOLUME OF LOCAL ANESTHETICS FOR TEMPERATURE INCREASE ON THE UPPER EXTREMITY IN ULTRASOUND-GUIDED STELLATE GANGLION BLOCK: A PROSPECTIVE RANDOMIZED AND COMPARATIVE STUDY</b> J.-Y. Bae, <u>Y. Yoo</u> , C.-S. Lee, J.Y. Moon, Y.-C. Kim (Korea, Republic of)
P177	177	<b>THERMAL VERSUS SUPER VOLTAGE PULSED RADIOFREQUENCY OF STELLATE GANGLION IN POST MASTECTOMY NEUROPATHIC PAIN SYNDROME: A PROSPECTIVE RANDOMIZED TRIAL</b> <u>D. Nabil Abbas</u> , R. Mahfouz (Egypt)
P178	178	<b>HEALTH PROFESSIONALS' EXPERIENCE OF WORKING WITH PAIN REHABILITATION FOR IMMIGRANTS WHEN LANGUAGE INTERPRETER ARE NEEDED, A QUALITATIVE STUDY</b> <u>K. Uhlin</u> , E. Persson, B.-M. Stålnacke, M. Löfgren (Sweden)
P179	179	<b>MULTIDISCIPLINARY BACK PAIN APP IMPROVES PAIN AND SLEEP SYMPTOMS IN INDIVIDUALS SUFFERING FROM BACK PAIN - RETROSPECTIVE STUDY</b> <u>J.A. Priebe</u> , D. Utpadel-Fischler, T.R. Toelle (Germany)
P180	180	<b>CYP2D6-METABOLIC PHENOTYPE INFLUENCE IN PRESCRIPTION OPIOID USE DISORDER</b> J. Muriel, <u>C. Margarit</u> , J. Barrachina, G. del Barco, A. Flor, D. Morales, A.M. Peiró (Spain)
P181	181	<b>A META-EPIDEMIOLOGICAL APPRAISAL OF MULTIDISCIPLINARY REHABILITATION DOSING FOR CHRONIC LOW BACK PAIN</b> <u>E. Dragioti</u> , M. Björk, B. Larsson, B. Gerdle (Sweden)

# Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
<b>MULTIDISCIPLINARY PROGRAMS</b>		
P182	182	<b>PROGNOSTIC FACTORS FOR 12-MONTH-OUTCOME AFTER INTERDISCIPLINARY TREATMENT IN PATIENTS WITH CHRONIC PAIN - A NATIONWIDE MULTICENTRE PROSPECTIVE COHORT STUDY</b> E. Tseli, R. Lo Martire, L. Vixner, W.J.A. Grooten, B. Gerdle, B.O. Ång (Sweden)
P183	183	<b>MULTIDISCIPLINARY SHOULDER SERVICE</b> J.C. Castillo Velasco, J.M. Delgado Mendilibar, J. Diaz del Rio, A. Martinez Navas, M.J. Garcia Rodriguez, M. Turmo (Spain)
P184	184	<b>CHANGES IN PAIN FOLLOWING A 6 WEEK WEIGHT MANAGEMENT IN-PATIENT PROGRAMME</b> K. Asada, C. Dunlevy, E. O'Malley, K. Gaynor, C. Breen, A. Villiers-Tuthill, L. Devereux, R. Yoder, D. O'Shea, C. Doody, C. Blake, B. Fullen (Ireland)
<b>NEUROMODULATIVE THERAPIES</b>		
P185	185	<b>HITTING THE TARGET: PERIPHERAL FIELD MODULATION FOR STERNAL PAIN</b> C. Cheah, R. Gordon-Williams, A. Shetty (United Kingdom)
P186	186	<b>MULTIFOCAL TDCS TARGETTING THE RESTING-STATE MOTOR NETWORK MODULATES CORTEX EXCITABILITY ON PROLONGED PAIN</b> L. Gregoret, A.M. Zamorano-Andres, T. Graven-Nielsen (Denmark)
P187	187	<b>ANALGESIC EFFICACY OF "BURST" AND TONIC (500HZ) SPINAL CORD STIMULATION PATTERNS: A RANDOMISED PLACEBO-CONTROLLED STUDY</b> S. Eldabe, A. Gulve, H. Williams, F. Garner, M. Brookes, A. Batterham, E. Buchser (United Kingdom)
P188	188	<b>PATIENTS' GOALSETTING BEFORE SPINAL CORD STIMULATION: A QUALITATIVE EXPLORATION IN PATIENTS WITH FAILED BACK SURGERY SYNDROME</b> L. Goudman, A. Bruzzo, J. van de Sande, M. Moens (Belgium)
P189	189	<b>OUTCOMES OF A PROSPECTIVE RANDOMIZED CONTROLLED TRIAL UTILIZING A SPINAL CORD SYSTEM CAPABLE OF MULTIPLE NEUROSTIMULATION MODALITIES (COMBO STUDY)</b> M. Wallace, L. Chen, R. Jain (United States)
P190	190	<b>EFFECT OF LOW FREQUENCY REPEATED TRANSCRANIAL MAGNETIC STIMULATION ON PSYCHOLOGICAL AND PAIN ASSOCIATED SYMPTOMS IN FIBROMYALGIA PATIENTS</b> A.H. Ansari, R. Mathur (Guyana)
P191	191	<b>LONG-TERM EFFECTS OF HIGH-DOSE SCS FOR TREATMENT OF CHRONIC PAIN IN PATIENTS WITH CBLP AND CRPS: OUTCOMES OF A PROSPECTIVE CASE SERIES</b> I.D. Eikelboom-Demper, E. Siegers-Bennink, P. Brocades Zaalberg, A.Q. Le, J.E.G.C. v Haandel (Netherlands)
P192	192	<b>INTER-ICTAL CHARACTERISTICS OF PERIPHERAL CIRCULATING INFLAMMATORY MEDIATORS IN MIGRAINE PATIENTS UNDER ADJUNCTIVE CERVICAL NON-INVASIVE VAGUS NERVE STIMULATION</b> T. Kinfe, I. Lendvai, L. Scheef, H. Boecker, R. Hurlermann (Germany)

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P193	193	<b>OUTCOMES USING AN SCS DEVICE CAPABLE OF DELIVERING COMBINATION THERAPY (SIMULTANEOUS OR SEQUENTIAL) AND ADVANCED WAVEFORMS/FIELD SHAPES</b> <u>C. Metzger</u> , M.B. Hammond, S. Pyles, A. Berg, R. Waghmarae, J. North, Y. Pei, R. Jain (United States)
P194	194	<b>IMPROVEMENT OF HEALTH-RELATED QUALITY OF LIFE IN PATIENTS WITH SPINAL CORD STIMULATION: DATA FROM THE PRODUCT SURVEILLANCE REGISTRY</b> T. Theys, J. van Aalst, O.P. Teernstra, J.S. Menk, R. Slangen, J. Tinsley, S. Scheffler, T.W. Weaver (Belgium)

### PHARMACOLOGICAL THERAPIES

P195	195	<b>A SYSTEMATIC REVIEW OF THE GASTROINTESTINAL SAFETY PROFILE OF IBUPROFEN AT OVER-THE-COUNTER DOSES</b> <u>S. Hanid</u> , D. Sugár, A. Lanás (United Kingdom)
P196	196	<b>EFFECTS OF RANOLAZINE, A LATE SODIUM CURRENT BLOCKER, ON ACTION POTENTIAL PROPAGATION IN PERIPHERAL NERVES</b> <u>F. Deen</u> , M. Koltzenburg (United Kingdom)
P197	197	<b>IMPORTANCE OF CCL17/CCL22/CCR4 SIGNALING IN NOCICEPTIVE TRANSMISSION AND MORPHINE ANALGESIC POTENCY IN NAÏVE AND NEUROPATHIC ANIMALS</b> <u>J. Kujacz</u> , K. Popiołek-Barczyk, W. Makuch, A. Ciecchanowska, J. Dobrogowski, A. Przeklasa-Muszyńska, J. Mika (Poland)
P198	198	<b>DEMONSTRATION OF SIGNIFICANT DECREASES IN PAIN ENDPOINTS IN SUBJECTS WITH PAINFUL OSTEOARTHRITIS OF THE KNEE AFTER SINGLE/MULTIPLE DOSES OF A NOVEL ANTI-NGF, ANTI-TNF<math>\alpha</math> BISPECIFIC MOLECULE</b> <u>F. Welsh</u> , T. Chessell, K. Tan, A. Khan, J. Duniak, I. Gurrell, V. Pierre, T. Ostefeld, I. Chessell (United Kingdom)
P199	199	<b>THE IMPACT OF TAPENTADOL ON QUALITY-OF-LIFE AND SICK LEAVE: REAL-WORLD DATA FROM THE GERMAN PAIN PRACTICE REGISTRY (GPPR)</b> <u>M. Überall</u> , B. Morlion, J. Garcia, B. Heckes, M. Heine, R. Karra, I. Wild, G.H.H. Müller-Schwefe (Germany)
P200	200	<b>PHARMACOGENETICS APPLIED TO TAPENTADOL EFFECTIVENESS ON AMBULATORY CHRONIC PAIN PATIENTS</b> <u>J. Barrachina</u> , J. Muriel, C. Margarit, P. Ballester, S. López-Gil, V. López-Gil, G. Del Barco, A. Flor, D. Morales, A.M. Peiró (Spain)
P201	201	<b>ANALGESIA INDUCED BY 2- HZ ELECTROACUPUNCTURE IN THE RAT NEUROPATHIC PAIN DEPENDS ON THE ZONA INCERTA</b> <u>Y. Marques Aragão</u> , D. Jeronimo da Silva, L. Alberto Diniz Do Nascimento, G. de Melo Reis (Brazil)
P202	202	<b>IL-4-INDUCED M2 MACROPHAGES PRODUCE LONG-LASTING ANALGESIA VIA ENDOGENOUS OPIOIDS</b> <u>M.Ö. Celik</u> , D. Labuz, J. Keye, H. Machelka (Germany)

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
P203	203	<b>RESCUE AND CONCOMITANT ANALGESICS IN PLACEBO-CONTROLLED TRIALS OF PHARMACOTHERAPY FOR NEUROPATHIC PAIN AND LOW BACK PAIN</b> L. Grøvle, E. Hasvik, A. Julsrud Haugen (Norway)

### PSYCHOLOGICAL THERAPIES

P204	204	<b>IMMUNE-INFLAMMATORY PATHWAYS AND CLINICAL CHANGES IN FIBROMYALGIA PATIENTS TREATED WITH MINDFULNESS-BASED STRESS REDUCTION (MBSR): A RANDOMIZED, CONTROLLED CLINICAL TRIAL</b> A. Feliu-Soler, L. Andrés-Rodríguez, X. Borràs, A. Pérez-Aranda, N. Angarita-Osorio, A. Rozadilla-Sacanell, R. Fernandez-Vergel, M.E. Blanco, M.T. Peñarrubia, R. Tuccillo, M. Maes, M. Puebla, J.V. Luciano (Spain)
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### PAIN THERAPIES WALK 2

		Chairs: W. Meissner (Germany)
P205	205	<b>EFFECTIVENESS OF OSTEOPATHIC MANIPULATION TO CRITICALLY EVALUATE SEVERITY SYMPTOMS IN IRRITABLE BOWEL SYNDROME - IBS</b> A. Ciardo (Spain)
P206	206	<b>REDUCED PAIN PERCEPTION AND ANALGESIC MEDICATION CONSUMPTION AFTER ACOUSTIC BINAURAL BEATS APPLICATION IN PATIENTS SUFFERING FROM CHRONIC PAIN - A RANDOMIZED CONTROL TRIAL</b> V. Gkolias, A. Amaniti, P. Papakonstantinou, L. Hatjileontiadis, I. Dalakakis, D. Kouvelas (Greece)
P207	207	<b>THE INFLUENCE OF INFORMATION ON THE HYPOALGESIC EFFECTS OF EXERCISE - A RANDOMIZED CONTROLLED DOUBLE-BLIND STUDY</b> H.B. Vægter, P. Thinggaard, C.H. Madsen, M. Hasenbring, J.B. Thorlund (Denmark)
P208	208	<b>IS IT POSSIBLE TO EVALUATE THE EFFECTS OF KINESIO TAPING ON MYOFASCIAL TRIGGER POINTS USING ULTRASOUND SHEAR-WAVE ELASTOGRAPHY? QUANTIFICATION OF KINESIO TAPING</b> S. Kutlay, A. Genc, S. Gunes, E. Mustafa, D. Gokmen (Turkey)
P209	209	<b>AN INVESTIGATION INTO THE EFFECT OF ALTERING THE SIZE OF A VIRTUAL LIMB ON EMBODIMENT AND EXPERIMENTALLY-INDUCED CONTACT THERMAL HEAT PAIN IN HEALTHY PARTICIPANTS</b> P.G. Wittkopf, A.D. Wilson, D.M. Lloyd, B. Singh, P. Ingham, M.I. Johnson (United Kingdom)
P210	210	<b>EFFECTIVENESS OF PAIN NEUROSCIENCE EDUCATION AND COPING SKILLS TRAINING FOR PATIENTS WITH PAIN CATASTROPHISM SCHEDULED FOR A TOTAL KNEE ARTHROPLASTY: RANDOMIZED CONTROLLED PILOT STUDY</b> M. Terradas-Monllor, M. Ochandorena-Acha, F. Maculé-Beneyto, H. Beltrán-Alacreu (Spain)

## Poster Session 1 - Wednesday, 4 September

Poster	Board	Abstract
<b>REHABILITATION THERAPIES</b>		
P211	211	<b>EFFECTS OF SPECIFIC VERSUS GENERAL EXERCISES ON NECK PROPRIOCEPTION IN PATIENTS WITH CHRONIC NON-SPECIFIC NECK PAIN</b> <u>M. Saberi</u> , P. Kashfi, M. Rahnama, L. Rahnama ( <i>Canada</i> )
P212	212	<b>IMPORTANCE OF TYING THE SCIATIC NERVE IN ABOVE KNEE AMPUTATION TO PREVENT NEUROMA FORMATION</b> <u>A. Saraf</u> ( <i>India</i> )
P213	213	<b>FENTANYL VERSUS DEXMEDETOMIDINE WITH BUPIVACAINE IN ULTRASOUND GUIDED SUPRACLAVICULAR BLOCK IN HEAMODIALYSIS SHUNT SURGERIES</b> <u>A. Yehia</u> ( <i>Egypt</i> )
P214	214	<b>FIRS DO NOT HARM: HOW THE DEXAMETHASONE CAN IMPROVE POSTOPERATIVE ANALGESIA AFTER SHOULDER ARTHROSCOPY</b> <u>N. Tapia Berga</u> , P. Roca Campos, N. Fons Murillo, M. Ruiz Casellas, N. Jarma Antacle, M. Sas Canadell, L. Guirfanova, G. Adsera Gebelli ( <i>Spain</i> )

**Poster Session 2**  
Thursday, 5 September

## Poster Session 2 - Thursday, 5 September

### Poster Board Abstract

#### LATE BREAKING PAIN SYNDROMES AND GENERAL GUIDED POSTER WALK

Chair: S. Brill (*Israel*)

P215	1	<b>MANAGEMENT AND QUALITY OF LIFE OF PATIENTS WITH CHRONIC PAIN ATTENDING PRIMARY CARE UNITS IN MAINLAND PORTUGAL: AN OBSERVATIONAL STUDY</b> <u>F. Antunes</u> , M. Gouveia, R. Marques Pereira, R. Tinoco ( <i>Portugal</i> )
P216	2	<b>SEVERE CHRONIC LOW BACK PAIN PATIENT JOURNEY IN EUROPE - OPPORTUNITY FOR BETTER MANAGEMENT</b> <u>B. Morlion</u> , G. Finco, D. Aldington, I. Wild, R. Karra, M. Überall ( <i>Belgium</i> )
P217	3	<b>Pain control by Ketamine in combat situations: consideration and outcomes</b> <u>M.J. Behzadnia</u> , H. Javadzade ( <i>Iran, Islamic Republic of</i> )
P218	4	<b>CAREGIVER ANXIETY AND THE ASSOCIATION WITH ACUTE POST-OPERATIVE PAIN IN CHILDREN</b> R. Knoetze, A. Lachman, <u>S. Chetty</u> ( <i>South Africa</i> )
P219	5	<b>TRENDS IN LUMBAR SPINE SURGERY IN NORWAY: A 15-YEAR STUDY</b> <u>M. Grotle</u> , M.C. Småstuen, O. Fjeld, L. Grøvle, J. Helgeland, K. Storheim, T. Solberg, J.A. Zwart ( <i>Norway</i> )
P220	6	<b>CHRONIC PAIN AND COGNITIVE PERFORMANCE IN OLDER CAREGIVERS: LONGITUDINAL STUDY</b> M. Terassi, K.G. Say, S.I. Pavarini, <u>P. Hortense</u> ( <i>Brazil</i> )
P221	7	<b>A PROSPECTIVE, MULTI-CENTER, RANDOMIZED, CLINICAL TRIAL COMPARING COOLED RADIOFREQUENCY ABLATION VS A SINGLE INJECTION OF HYALURONIC ACID IN THE MANAGEMENT OF OA KNEE PAIN</b> A. Chen, F. Khalouf, K. Zora, M. DePalma, L. Kohan, M. Guirguis, D. Beall, E. Loudermilk, M. Pingree, I. Badiola, J. Lyman, <u>A. Tinnirello</u> ( <i>Italy</i> )
P222	8	<b>RELAPSING-REMITTING CRPS: CASE-BASED DISCUSSION OF A RARE SUBTYPE</b> <u>S. Hewitt</u> , H. McCullough, A. Goebel ( <i>United Kingdom</i> )
P223	9	<b>S1PR ANTAGONIST ATTENUATES MECHANICAL ALLODYNIA IN A MOUSE MODEL OF CHRONIC CRPS BY INHIBITING SPINAL REACTIVE ASTROCYTE-MEDIATED NEUROINFLAMMATION THROUGH THE NF-κB PATHWAY</b> H.-J. Cho, E.-J. Lee, J.-A. Jang, M.-S. Han, G. Kim, <u>D. Park</u> ( <i>Korea, Republic of</i> )

#### PAIN IN GENERAL

P224	10	<b>EFFECT OF MONOPOLAR ELECTRICAL DRY NEEDLING ON PAIN AND SPONTANEOUS ELECTRICAL ACTIVITY OF MYOFASCIAL TRIGGER POINTS</b> <u>Ó. Sánchez Méndez</u> , O. Mayoral del Moral, B. Navarro Brazález, V. Prieto Gómez, I. de la Rosa Díaz, B. Sánchez Sánchez ( <i>Spain</i> )
P225	11	<b>BENZODIAZEPINES: ADJUNCTS FOR PAIN TREATMENT?</b> <u>E. Guertzenstein</u> ( <i>Brazil</i> )



## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P226	12	<b>METERED-DOSE CANNABIS INHALER PROVIDES CONSISTENT, DOSE-RELATED THC BLOOD CONCENTRATION AND ANALGESIC EFFECTS, IN PATIENTS WITH CHRONIC NEUROPATHIC PAIN</b> S. Almog, J. Aharon-Peretz, S. Vulfsons, M. Ogintz, H. Abalia, Y. Hayon, <u>E. Eisenberg</u> (Israel)
P227	13	<b>CURRENT STATUS OF PAIN MEDICINE TRAINING IN RESIDENCY PROGRAMS IN KOREA: A SURVEY OF ANESTHESIOLOGY AND PAIN MEDICINE RESIDENTS IN UNIVERSITY HOSPITALS</b> J.Y. Lee, M.S. Lee, <u>H.J. Park</u> (Korea, Republic of)
P228	14	<b>MANAGEMENT THE FUNCTIONAL STATUS AND THE QUALITY OF LIFE OF PATIENTS WITH KNEE OSTEOARTROSIS AND RELATED FACTORS</b> <u>A.M. Rodrigues da Cunha</u> , J.E. Forni, M. Martins, L. Dias, M. Foss, R. Sanches Junior, C. Rocha, P. Condi (Brazil)
P229	15	<b>COULD ANTICONVULSANTS HAVE AN EFFECT ON MOOD DISORDERS ASSOCIATED WITH CHRONIC PAIN?</b> <u>E.M. González-Soler</u> , A. Blasco-Serra, G.M. Alfosea-Cuadrado, M.C. Blasco-Ausina, C. Higuera-Villar, C. Tornero-Tornero, J. Orduña-Valls, A.A. Valverde-Navarro (Spain)

### PAIN IN THE ELDERLY

P230	16	<b>A FEASIBILITY STUDY ON PAIN NEUROSCIENCE EDUCATION IN INSTITUTIONALIZED OLDER ADULTS WITH CHRONIC PAIN</b> P. Simões, R. Andias, <u>A. Silva</u> (Portugal)
P231	17	<b>COMPARISON OF INTRAVENOUS AND EPIDURAL PATIENT-CONTROLLED ANALGESIA IN ELDERLY AFTER FEMORAL FRACTURES SURGERY: RANDOMIZED CONTROLLED TRIAL</b> <u>G. Kristek</u> , I. Radoš, D. Kristek, S. Škiljić, N. Nešković, H. Vinković, I. Haršanji-Drenjančević (Croatia)

### PAIN IN VULNERABLE GROUPS

P232	18	<b>EXAGGERATED HYPERALGESIA AND BLUNTED CONDITIONED PAIN MODULATION IN PATIENTS WITH MAJOR DEPRESSIVE DISORDER</b> F. Henrich, <u>H. Reschke</u> , I. Wolf, A. Meyer-Lindenberg, H. Tost, R.-D. Treede, W. Magerl (Germany)
P233	19	<b>NOCICEPTIVE RESPONDING IN THE VALPROIC ACID ANIMAL MODEL OF AUTISM AND ASSOCIATED CHANGES IN NEURONAL ACTIVATION</b> <u>R.M. Humphrey</u> , P. Calcagno, D.P. Finn, M. Roche (Ireland)
P234	20	<b>SUICIDAL IDEATION AND THOUGHTS OF SELF-HARM IN PEOPLE WITH FIBROMYALGIA: A COMPARISON WITH PEOPLE FROM OTHER PERSISTENT PAIN POPULATIONS</b> <u>E. Burgess Donnelly</u> , B. Kuehler, S. Patel (United Kingdom)

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
<b>PAIN SYNDROMES WALK 5</b>		
		Chair: J. Osterbrink ( <i>Austria</i> )
P235	21	<b>EVALUATING INCIDENCE AND PREVALENCE OF PAIN IN PATIENTS ATTENDING FOR ELECTIVE JOINT REPLACEMENT</b> <u>M. Galligan</u> , M. Hamilton, B. Enriquez, T. Gilkes, A. Zerrudo ( <i>United Kingdom</i> )
P236	22	<b>PREVALENCE OF CHRONIC AND NEUROPATHIC PAIN IN ADULTS WITH MOTOR DISABILITY IN CARE IN BUENOS AIRES CENTERS</b> <u>V. Matassa</u> , M. Renzulli ( <i>Argentina</i> )
P237	23	<b>BURN PATIENTS PAIN DURING DRESSING CHANGES</b> <u>M. Stojanovic</u> , B. Milicic, D. Stojmirovic, S. Pesko ( <i>Serbia</i> )
P238	24	<b>PRESSURE PAIN SENSITIVITY AND MUSCLE STIFFNESS MAPS OF THE GASTROCNEMIUS MUSCLES IN STROKE PATIENTS: A PILOT STUDY</b> I. García-Bernal, <u>P. González-García</u> , P. Madeleine, M.J. Casuso-Holgado, J. Pavón-Rodríguez, A.M. Heredia-Rizo ( <i>Spain</i> )
P239	25	<b>DEVELOPMENT, IMPLEMENTATION AND EVALUATION OF AN E-TRAINING FOR PAIN ASSESSMENT IN PEOPLE WITH DEMENTIA</b> <u>P. Braaksma</u> , H. van der Kloet, H. Frauenfelder, J. van der Griend, C. Ongering, F. Jilesen, A. van der Kraats, S. Zuidema, M. Kunz ( <i>Netherlands</i> )
P240	26	<b>INCREASING AGE IS ASSOCIATED WITH ELEVATED CIRCULATING INTERLEUKIN-6 LEVELS AND ENHANCED TEMPORAL SUMMATION OF MECHANICAL PAIN IN PEOPLE LIVING WITH HIV AND CHRONIC PAIN</b> <u>B. Goodin</u> , M. Owens, C. Gonzalez, J. Okunbor, D. White, J. Merlin ( <i>United States</i> )
P241	27	<b>NOCICEPTIVE-SPECIFIC DETECTION TASK ENCODES PERCEPTUAL PAIN THRESHOLD IN TRPV1-CHR2 TRANSGENIC MICE</b> <u>C. Black</u> , C. Saab, D. Borton ( <i>United States</i> )
<b>ACUTE PAIN</b>		
P242	28	<b>THE DISTRIBUTION OF CHRONIC PAIN CONDITIONS IN A PSYCHIATRIC OUTPATIENT POPULATION</b> <u>I. Lovås</u> , P.C. Borchgrevink, S.H. Butler, D. Thorsvik, A. Woodhouse ( <i>Norway</i> )
P243	29	<b>INFLUENCE OF AGING ON POSTOPERATIVE PAIN: RESULTS FROM THE INTERNATIONAL PAIN OUT REGISTRY</b> <u>J.F.M. van Dijk</u> , F.J.M.P. Huygen, J.M. Cheuk-Alam, M. Rijdsdijk ( <i>Netherlands</i> )
P244	30	<b>PAIN-RELATED INTERFERENCE AND ANALGESIC NEEDS SIX MONTHS AFTER SURGERY</b> <u>U.M. Stamer</u> , T. Lehmann, W. Meissner, B. Kobel, F. Stüber, D. Fletcher ( <i>Switzerland</i> )
P245	31	<b>BIOSPSYCHOSOCIAL APPROACHES TO SUPPORT AMPUTEES POST-OPERATIVELY: MULTIDISCIPLINARY INPUT WITH SPECIALIST PAIN SERVICES</b> K. Herron, J. Beattie, A. Mansfield, A. Lomas, N. McGoven, M. Klute, <u>H.K. Tsang</u> ( <i>United Kingdom</i> )

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P246	32	<b>THE ANALGESIC EFFICACY OF ULTRASOUND GUIDED CONTINUOUS QUADRATUS LUMBORUM BLOCK VERSUS CONTINUOUS PARAVERTEBRAL BLOCK IN RADICAL CYSTECTOMY-A RANDOMIZED STUDY</b> <i>M.H. Ahmad Sabry, R. Ammar, A. Hieba (Egypt)</i>
P247	33	<b>COMPARISON EFFICACY OF EPINEPHRINE RELEASE INHIBITION ON SUPRACLAVICULAR PLEXUS BLOCK PROCEDURE</b> <i>R. Akhondzadeh, N. Bakhtiari, A. Baniahmad, R. Zekavati (Iran, Islamic Republic of)</i>
P248	34	<b>COMBINED BLOCK OF THE VASTUS MEDIALIS, SAPHENOUS NERVE AND IPACK BLOCK AS AN ANALGESIC STRATEGY IN TOTAL KNEE REPLACEMENT SURGERY</b> <i>C. Gracia, C. Deiros, J. Masdeu, N. Gomez, M. Vendrell (Spain)</i>
P249	35	<b>EFFICACY OF COMBINATION OF THORACIC PARAVERTEBRAL BLOCK AND IV PCA TO IV PATIENT CONTROLLED ANALGESIA ALONE FOR POSTOPERATIVE PAIN MANAGEMENT IN NEPHRECTOMY PATIENTS</b> <i>K.C. Pant (India)</i>

### CANCER PAIN

P250	36	<b>A COMPARISON STUDY OF TDS FENTANYL AND TDS MORPHINE ON LATE STAGE CANCER PATIENTS WITH REFRACTORY PAIN.</b> <i>Z. Kontouli, V. Mariatou, G. Economopoulos, P. Voutsas, A. Laskarakis (Greece)</i>
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### CENTRAL NEUROPATHIC PAIN

P251	37	<b>CONTRIBUTION OF ADAM10 AND ADAM 17 TO FRACTALKINE SHEDDING AND NEURONAL-MICROGLIA COMMUNICATION IN NEUROPATHIC PAIN</b> <i>P. Mrozkova, J. Paleček, M. Malcangio (United Kingdom)</i>
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### COMPLEX REGIONAL PAIN SYNDROME

P252	38	<b>MIRROR THERAPY IN MULTIDISCIPLINARY TREATMENT OF CRPS I PATIENTS</b> <i>O. Burianov, V. Kotyuk, L. Khimion, T. Omelchenko (Ukraine)</i>
P253	39	<b>SEARCHING OF RELIEF OF THE SENSORY SIGNS IN A POST-ISCHEMIC PAIN MODEL IN RATS</b> <i>N.A. Paniagua, M.D.R. Girón, C. Goicoechea, M. Merlos, J.M. Vela, M.I. Martín Fontelles (Spain)</i>
P254	40	<b>OBJECTIVE ASSESSMENT OF VIDEO THERMOGRAPHY IMAGES OF PATIENTS WITH COMPLEX REGIONAL PAIN SYNDROME</b> <i>E.J. Bijl, C.C. de Vos, M.D. van Gaalen, T.T.M. Oosterveer, M.P.A. Starmans, F.J.P.M. Huygen (Netherlands)</i>

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P255	41	<b>A NEW ALLODYNOGRAPHY QUANTIFICATION METHOD FOR SOMATOSENSORY REHABILITATION IN COMPLEX REGIONAL PAIN SYNDROME</b> H. Karpin, S. Shmueli, N. Turgeman, <u>I. Weissman-Fogel</u> , J.J. Vatine ( <i>Israel</i> )

### HEADACHE

P256	42	<b>LONG-TERM EFFICACY OF FREMANEZUMAB IN SUBGROUPS OF MIGRAINE PATIENTS WITH CLINICAL CHALLENGES THAT COMPLICATE MIGRAINE MANAGEMENT</b> R. Lipton, S. Ashina, S. Silberstein, J. Cohen, R. Yang, X. Ning, <u>V. López Álvarez</u> ( <i>Spain</i> )
P257	43	<b>IMPACT OF FREMANEZUMAB ON HRQOL IN CHRONIC MIGRAINE PATIENTS WITH DOCUMENTED INADEQUATE RESPONSE TO <math>\geq 3</math> CLASSES OF MIGRAINE PREVENTIVE TREATMENTS IN THE PLACEBO-CONTROLLED FOCUS STUDY</b> P. Pozo-Rosich, D. Buse, J. Cohen, X. Ning, V. Ramirez-Campos, R. Yang, <u>V. López Álvarez</u> ( <i>Spain</i> )
P258	44	<b>IMPACT OF FREMANEZUMAB ON DISABILITY IN CHRONIC MIGRAINE PATIENTS WITH DOCUMENTED INADEQUATE RESPONSE TO <math>\geq 3</math> CLASSES OF MIGRAINE PREVENTIVE TREATMENTS IN THE PLACEBO-CONTROLLED FOCUS STUDY</b> H.C. Diener, J.M. Cohen, X. Ning, V. Ramirez-Campos, R. Yang, <u>V. López Álvarez</u> ( <i>Spain</i> )
P259	45	<b>DYNAMIC MECHANICAL SENSITIVITY IN THE TRIGEMINAL AREA IS ASSOCIATED WITH WIDESPREAD PRESSURE PAIN SENSITIVITY IN CLUSTER HEADACHE</b> M. Palacios-Ceña, Á. Guerrero-Peral, S. Fuensalida-Novo, N. González-García, D. García-Azorín, M.L. Cuadrado, C. Fernández-de-las-Peñas, <u>L. Arendt-Nielsen</u> ( <i>Denmark</i> )

### PAIN SYNDROMES WALK 6

		Chair: C. Wells ( <i>United Kingdom</i> )
P260	46	<b>CYLINDRICAL LEADS FOR PERCUTANEOUS IMPLANTATION IN SPINAL CORD STIMULATION FOR FAILED BACK SURGERY SYNDROME: IMPLANT OF TWO ELECTRODES IN ANATOMICAL POSITION</b> I.M. Ortiz García, N. Cordero Tous, C. Sanchez Corral, <u>A. Jover Vidal</u> , G. Olivares Granados ( <i>Spain</i> )
P261	47	<b>SEVERITY OF INFLAMMATORY BACK PAIN AND DISEASE ACTIVITY IN PATIENTS WITH EARLY AXIAL SPONDYLOARTHRITIS</b> <u>D. Rumiantceva</u> , T. Dubinina, A. Demina, S. Erdes ( <i>Russian Federation</i> )
P262	48	<b>SEX-SPECIFIC EFFECTS IN THE GENETICS OF CHRONIC BACK PAIN</b> M.B. Freidin, Y.A. Tsepilov, L.C. Karssen, P. Suri, Y.S. Aulchenko, <u>F.M.K. Williams</u> ( <i>United Kingdom</i> )
P263	49	<b>CHRONIC LOW BACK PAIN IN THE ADULT'S SPANISH POPULATION: IDENTIFYING CLINICAL SUBGROUPS THROUGH CLUSTER ANALYSIS</b> M. Dueñas, J.A. Moral, J. Palomo, A. Salazar, H. De Sola, <u>I. Failde</u> ( <i>Spain</i> )

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P264	50	<b>ANALYSIS OF ULTRASONIC VOCALIZATIONS IN RATS SUBJECTED TO CHRONIC OROFACIAL PAIN MODELS</b> <i>E. Araya, E. Carvalho, C. De Souza, R. Andreatini, L. Chen, G. Zamponi, J. Chichorro (Brazil)</i>
P265	51	<b>MENTHOL, A TRPM8 AGONIST, PROMOTES OROFACIAL ANTINOCICEPTION IN ADULT ZEBRAFISH THROUGH TRPA1 ANTAGONISM</b> <i>C.Á. Prata Bezerra de Sousa, A. Rolim Campos, S.A. Alves Rodrigues Santos, G. de Oliveira Leite (Brazil)</i>
P266	52	<b>PREOPERATIVE CONDITIONED PAIN MODULATION AND PAIN CATASTROPHIZING PREDICT PAIN 12 MONTHS AFTER TOTAL KNEE ARTHROPLASTY</b> <i>K.K. Petersen, D.B. Larsen, O. Simonsen, M.B. Laursen, L. Arendt-Nielsen (Denmark)</i>
P267	53	<b>PRIOR TREADMILL WALKING EXERCISE ALLEVIATES PRIMARY AND SECONDARY HYPERALGESIA IN A RAT OSTEOARTHRITIS MODEL</b> <i>I. Takeshita, J. Sakamoto, R. Sasaki, K. Ishikawa, H. Kataoka, M. Okita (Japan)</i>
P268	54	<b>THE SOLUBLE INTERLEUKIN-2 RECEPTOR IN COMPLEX REGIONAL PAIN SYNDROME: IS IT SUITABLE FOR DISTINGUISHING CRPS FROM OTHER PAIN CONDITIONS IN ROUTINE CLINICAL PRACTICE?</b> <i>K.D. Bharwani, M. Dirckx, W.A. Dik, D.L. Stronks, F.J.P.M. Huygen (Netherlands)</i>

### LOW BACK PAIN AND LUMBORADICULAR PAIN

P269	55	<b>THE EFFECTIVENESS OF CONDITIONED PAIN MODULATION IS NEGATIVELY ASSOCIATED WITH LEVELS OF PAIN CATASTROPHIZING IN CHRONIC LOW BACK PAIN</b> <i>K. Christensen, K. O'Sullivan, T. Palsson (Denmark)</i>
P270	56	<b>THE CLINICAL COURSE OF LOW BACK PAIN DURING A MUNICIPALITY-BASED REHABILITATION PROGRAMME</b> <i>E. Rona, M.J. Travers, D. Hince, W. Gibson, B.M. Wand, T.S. Palsson (Denmark)</i>
P271	57	<b>EFFECTIVE TREATMENT OPTIONS FOR LUMBAR DISK HERNIATION WITH RADICULOPATHY</b> <i>M. Ivanova, V. Parfenov, A. Isaikin (Russian Federation)</i>
P272	58	<b>OBJECTIVE MEASUREMENTS OF LUMBAR SPINE FUNCTION IN BACK PAIN PATIENTS UNDERGOING HIGH-FREQUENCY SPINAL CORD STIMULATION AT 10 KHZ</b> <i>R. Ibrahim (Germany)</i>
P273	59	<b>EFFICACY AND SAFETY OF TOPICAL NONIVAMIDE/NICOBXIL FIXED DOSE COMBINATION (NONI) IN ACUTE LOW BACK PAIN (A-LBP): A RANDOMISED, PLACEBO CONTROLLED TRIAL</b> <i>C. Holm, R. Lange, T. Weiser (Germany)</i>
P274	60	<b>PAIN AND DISABILITY IN PEOPLE WITH SACROILIAC JOINT DYSFUNCTION (SIJD)</b> <i>Z. Rincón, A.B. Oliveira, C. Ramírez Ramírez (Colombia)</i>
P275	61	<b>THE EFFECT OF SOFT TISSUE MOBILIZATION ON PAIN, FUNCTION AND DEPRESSIVE SYMPTOMS IN PATIENTS WITH CHRONIC LOW BACK PAIN</b> <i>N. Yagci, S. Simsek, E. Aslan Telci, M.M. Cubukcu (Turkey)</i>

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P276	62	<b>EFFICACY OF MULLIGAN MOBILISATION TECHNIQUE IN CHRONIC NON-SPECIFIC LOW BACK PAIN</b> Şimşek, N. Yağcı, H. Şenol (Turkey)
P277	63	<b>THE ASSOCIATION BETWEEN PRO-INFLAMMATORY CYTOKINES, MRI FINDINGS AND QUANTITATIVE SENSORY TESTING IN PATIENTS WITH SCIATICA</b> G. Samuelly -Leichtag, E. Eisenberg, Y. Zohar, G. Sviri, O. Keynan (Israel)
P278	64	<b>TREATMENT PATTERNS OF CHRONIC LOW BACK PAIN PATIENTS - INITIAL RESULTS FROM A GLOBAL 8,990 PATIENT SURVEY: CITIZENS' RESEARCH</b> S. Perrot, L. Arendt-Nielsen, C. Beck, L. Abraham, S. Wilhelm, C. Constantinescu, V. Carboni, B. Morlion (France)
P279	65	<b>THE SELECTIVE SOMATOSTATIN TYPE 4 (SST<sub>4</sub>) RECEPTOR AGONIST, J-2156, ALLEVIATES PRIMARY AND SECONDARY MECHANICAL HYPERALGESIA IN A RAT MODEL OF CHRONIC MECHANICAL LOW BACK PAIN</b> T.S.W. Park, N. Khan, A. Kuo, M.T. Smith (Germany)

### OROFACIAL PAIN

P280	66	<b>THE OROFACIAL ANTINOCICEPTIVE ACTIVITY OF CIS-JASMONE IN ADULT ZEBRAFISH IS MEDIATED BY TRPM8 CHANNELS</b> F.M. Diógenes Holanda Bezerra, A.D. de Castro Ribeiro, F.E. Sena e Silva, S.A. Alves Rodrigues Santos, A.E. Viera Neto, F.E. Alves Magalhães, G. de Oliveira Leite, A. Rolim Campos (Brazil)
P281	67	<b>ASSOCIATION BETWEEN TEMPOROMANDIBULAR JOINT OSETOARTHRITIS AND MITOCHONDRIAL DNA HAPLOGRUPS IN A KOREAN POPULATION</b> M. Chang, Y.M. Jeon, H.J. Jung, Y.G. Min, K.J. Shin, J.S. Kwon, H.J. Ahn (Korea, Republic of)
P282	68	<b>INVOLVEMENT OF HEMOKININ-1 IN TRIGEMINAL SENSITIZATION AFTER OROFACIAL INFLAMMATION</b> K. Bölcskei, T. Aczél, J. Kun, É. Szöke, Z. Helyes (Hungary)
P283	69	<b>OPTOGENETIC STRATEGIES TO INVESTIGATE PROFILES OF EXCITATORY PROJECTION FROM THE INSULAR CORTEX TO TRIGEMINAL SPINAL SUBNUCLEUS CAUDALIS</b> Y. Nakaya, M. Kobayashi (Japan)

### OSTEOARTHRITIS, RHEUMATOID ARTHRITIS

P284	70	<b>THE RELATIONSHIP BETWEEN SEDENTARY BEHAVIOUR AND PAIN IN PEOPLE WITH RHEUMATOID ARTHRITIS</b> H. O'Leary, G. Murphy, K. Quinn (Ireland)
P285	71	<b>INTRA-ARTICULAR GOLD MICRO PARTICLES RELIEVE PAIN IN KNEE OSTEOARTHRITIS. A PILOT STUDY</b> S. Rasmussen, K.K. Petersen, L. Arendt-Nielsen (Denmark)

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P286	72	<b>DIFFERENTIAL OPIOID FUNCTION IN A RAT MODEL OF ANXIETY-LIKE BEHAVIOUR AND AUGMENTED OSTEOARTHRITIS PAIN</b> <i>S.G. Woodhams, A. Lillywhite, D.J.G. Watson, V. Chapman (United Kingdom)</i>
P287	73	<b>THE INFLUENCE OF RS1001179 POLYMORPHISM OF THE CATALASE GENE ON DISEASE ACTIVITY IN PATIENTS WITH JUVENILE IDIOPATHIC ARTHRITIS TREATED WITH ETANERCEPT</b> <i>J. Basic, J. Vojinovic, T. Jevtovic Stoimenov, M. Despotovic, D. Lazarevic, G. Susic, V. Milosevic, D. Pavlovic (Serbia)</i>
P288	74	<b>PARTICIPATION OF AT2R AND HCN ION CHANNELS IN MODELS OF ARTHRITIC PAIN</b> <i>L.G. Pinto, M.F. Manchope, P.A. McNaughton (United Kingdom)</i>
P289	75	<b>FOLATE CONJUGATED NANOPARTICULATE DRUG DELIVERY SYSTEM FOR THE EFFECTIVE MANAGEMENT OF RHEUMATOID ARTHRITIS</b> <i>S. Bhargava, V. Bhargava (India)</i>

### PAIN IN THE NECK AND CERVICORADICULAR PAIN

P290	76	<b>PAIN NEUROSCIENCE EDUCATION AND COGNITION-TARGETED MOTOR CONTROL TRAINING TO IMPROVE CERVICAL MOTOR OUTPUT IN CHRONIC NECK PAIN PATIENTS: SECONDARY ANALYSIS OF A MULTICENTER RCT</b> <i>W. Willaert, A. Malfliet, I. Coppieters, D. Lenoir, R. De Pauw, L. Danneels, N. Roussel, M. Meeus, B. Cagnie, J. Nijs, J. Kregel (Belgium)</i>
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### PAIN SYNDROMES WALK 7

		Chair: T. Graven-Nielsen ( <i>Denmark</i> )
P292	78	<b>COMPARISON OF ANALGESIC EFFECTS OF MARAVIROC, RS504393 AND CENICRIVIROC IN RODENTS AFTER SCIATIC NERVE INJURY BASED ON BEHAVIORAL AND MOLECULAR STUDIES</b> <i>K. Kwiatkowski, K. Ciapała, K. Popiołek-Barczyk, W. Makuch, J. Mika (Poland)</i>
P293	79	<b>A RECOMBINANT HUMAN SOLUBLE THROMBOMODULIN (ART-123) PREVENTS OXALIPLATIN-INDUCED HYPERALGESIA WITHOUT AFFECTING ANTI-TUMOR ACTIVITY IN RODENTS</b> <i>T. Minami, M. Takeda, M. Sata, H. Kato, K. Yano, A. Ito (Japan)</i>
P294	80	<b>A STUDY OF THE ROLE OF PSYCHOLOGICAL FLEXIBILITY AMONG UK ADULT PATIENTS WITH PAINFUL DIABETIC NEUROPATHY</b> <i>K. Kioskli, K. Winkley, L. McCracken (United Kingdom)</i>
P295	81	<b>μ1- OPIOID RECEPTORS MEDIATE THE ANTIALLODYNIC EFFECT OF ROSMARINUS OFFICINALIS L. (ALECRIM) IN NEUROATHIC PAIN IN MICE</b> <i>G.M. Reis, L.A.C. Rodrigues, V.B.G. Ferreira, M.L. Gregório, D. Moreira (Brazil)</i>
P296	82	<b>NEUROPHYSIOLOGIC FINDINGS IN SYMPTOMATIC PATIENTS AFTER CHEMOTHERAPY</b> <i>I.M. Sang, S.W. Hwang, E.Y. Han (Korea, Republic of)</i>

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P297	83	<b>SENSITIZATION OF NOCICEPTIVE SENSORY NEURONS BY OXALIPLATIN</b> <u>N. Saleque</u> , C. Gentry, N. Vastani, S. Bevan, D. Andersson ( <i>United Kingdom</i> )
P298	84	<b>CORRELATIONS BETWEEN NEUROPATHIC PAIN, QUALITY OF LIFE AND MOOD IN TYPE 2 DIABETIC PATIENTS</b> <u>R.N. Demirtaş</u> , N. Kebapci, B. Efe ( <i>Turkey</i> )

### PERIPHERAL NEUROPATHIC PAIN

P299	85	<b>GLYCOGEN SYNTHASE KINASE 3 INHIBITOR AF3581 DECREASES NEUROPATHIC PAIN IN RATS</b> <u>B. Garrone</u> , A. di Matteo, A. Amato, L. Pistillo, R. Ombrato, L. Durando, S. Tongiani ( <i>Italy</i> )
P300	86	<b>SMALL MOLECULE SOMATOSTATIN RECEPTOR SUBTYPE 4 AGONISTS ARE NOVEL CANDIDATES FOR THE TREATMENT OF NEUROPATHIC PAIN AND DEPRESSION</b> <u>Z. Helyes</u> , E. Szoke, B. Kantas, A. Hunyady, E. Borbely, B. Fulop, J. Ashgar, V. Tekus, C. Hetenyi, R. Borzsei, P. Banhegyi, J. Szolcsanyi, E. Pinter ( <i>Hungary</i> )
P301	87	<b>“REAL-LIFE” MANAGEMENT OF PATIENTS CONSULTING FOR PERIPHERAL NEUROPATHIC PAIN IN FRENCH TERTIARY PAIN UNITS</b> <u>S. Perrot</u> , G. Pickering, M. Lanteri Minet, N. Attal ( <i>France</i> )
P302	88	<b>POSSIBLE INVOLVEMENT OF SPINAL ENDOCANNABINOIDS IN A RAT MODEL OF TRIGEMINAL NEUROPATHIC PAIN</b> <u>K. Nakai</u> , A. Nakae, Y. Minegishi, R. Urabe, M. Miyamae, T. Yanagida, K. Hosokawa, T. Kubo ( <i>Japan</i> )
P303	89	<b>CELLULAR SIGNALING IN DORSAL ROOT GANGLION NEURONS FOLLOWING ACUTE EXPOSURE TO PACLITAXEL IN VITRO</b> Y. Li, T. Marri, H.R. Rhodes, T.J. Abercrombie, C.A. Johansson, R.Y. North, <u>P.M. Dougherty</u> ( <i>United States</i> )
P304	90	<b>THE PATIENT JOURNEY IN POST-HERPETIC NEURALGIA (PHN): REVEALING GAPS BETWEEN GUIDELINES AND REALWORLD PRACTICE</b> J. Tempero, C. Butler, H. Blaszcok, <u>Ö. Sancak</u> ( <i>Germany</i> )

### PHANTOM LIMB PAIN

P305	91	<b>MIRROR THERAPY FOR PHANTOM LIMB AND STUMP PAIN: A RANDOMIZED CONTROLLED CLINICAL TRIAL IN LANDMINE AMPUTEES IN CAMBODIA</b> <u>L. Danielsson</u> , H.S. Ol, Y.V. Heng, H. Husum ( <i>Norway</i> )
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### VASCULAR PAIN

P306	92	<b>DOES PHYSICAL THERAPY REDUCE PAIN IN PATIENTS WITH PERIPHERAL ARTERY OCCLUSIVE DISEASE?</b> <u>S. Stojicic-Djulich</u> , E. Dubljanin Raspopovic, S. Varagic Markovic, U. Nedeljkovic, N. Ilic, S. Tomanovic Vujadinovic ( <i>Serbia</i> )
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## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
<b>PAIN SYNDROMES WALK 8</b>		

Chair: B. Fullen (*Ireland*)

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| P307 | 93  | <b>CHARACTERISTICS OF NEUROPATHIC PAIN AND ITS IMPACT ON QUALITY OF LIFE IN PATIENTS WITH CHRONIC LOW BACK PAIN SYNDROME</b><br><u>Z. Vukojevic</u> , A. Dominovic-Kovacevic, S. Peric, I. Bozovic, S. Grgic, I. Basta, D. Lavnric ( <i>Bosnia and Herzegovina</i> )                                       |
| P308 | 94  | <b>LINACLOTIDE TREATMENT REDUCES ENDOMETRIOSIS-ASSOCIATED VAGINAL HYPERALGESIA AND MECHANICAL ALLODYNIA THROUGH VISCERO-VISCERAL CROSS-TALK</b><br>P. Ge, J. Ren, A.M. Harrington, L. Grundy, J. Castro, S.M. Brierley, <u>G. Hannig</u> ( <i>United States</i> )  |
| P309 | 95  | <b>PAIN MODULATORY PHENOTYPES DIFFERENTIATE CHRONIC PANCREATITIS PATIENTS WITH DISTINCT CLINICAL PAIN PROFILES</b><br><u>I.M. Larsen</u> , M. Faghih, A. Evans Phillips, A.M. Drewes, V. Singh, D. Yadav, S.S. Olesen ( <i>Denmark</i> )   |
| P310 | 96  | <b>CHRONIC STRESS INDUCES BLADDER PAIN THROUGH AN TRK A-ALPHA 1A ADRENOCEPTOR MEDIATED MECHANISM</b><br>B. Dias, F. Cruz, <u>A. Charrua</u> ( <i>Portugal</i> )  |
| P311 | 97  | <b>THE RISK FACTORS FOR NEW ONSETS OF FIBROMYALGIA: THE LIFELINES STUDY</b><br><u>F. Creed</u> , R. Monden, J. Rosmalen ( <i>United Kingdom</i> )  |
| P312 | 98  | <b>EFFECTS OF A 15 WEEKS RESISTANCE EXERCISE PROGRAM ON LEVELS OF ENDOCANNABINOIDS AND N-ACYLETHANOLAMINES IN WOMEN WITH FIBROMYALGIA AND HEALTHY CONTROLS</b><br><u>N. Stensson</u> , B. Gerdle, M. Ernberg, K. Mannerkorpi, E. Kosek, B. Ghafouri ( <i>Sweden</i> )                                      |
| P313 | 99  | <b>IDENTIFICATION OF GENETIC DETERMINANTS FOR CENTRAL PAIN SENSITIZATION IN FIBROMYALGIA PATIENTS</b><br>Y. Gloor, M. Mouterde, A. Matthey, E.S. Poloni, J. Chabert, A. Simona, L. Bovet, M. Besson, V. Piguët, C. Cedraschi, G. Pickering, E. Kosek, G. Ehret, <u>J. Desmeules</u> ( <i>Switzerland</i> ) |
| P314 | 100 | <b>PATHOPHYSIOLOGICAL BASIS OF PAIN IN FIBROMYALGIA</b><br><u>A. Goebel</u> , C. Gentry, U. Cuhadar, N. Vastani, S. Sensi, E. Krock, A. Baharpoor, C. Morado, L. Brieskorn, K. Sandor, A. Jurczak, R. Chawla, B. Frank, E. Kosek, S. Bevan, C. Svensson, D. Andersson ( <i>United Kingdom</i> )            |
| P315 | 101 | <b>DISRUPTED CROSS-FREQUENCY COUPLING RELATED TO COGNITIVE IMPAIRMENTS IN THE RESERPINE-INDUCED MYALGIA MODEL</b><br><u>A. Blasco-Serra</u> , A. Cervera-Ferri, G. Alfosea-Cuadrado, V. Teruel-Martí, E.M. González-Soler, V. Mangas-Sanjuan, A. Adell-Calduch, A.A. Valverde-Navarro ( <i>Spain</i> )     |

### VISCERAL PAIN

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| P316 | 102 | <b>CROSSTALK BETWEEN THE HMGB1/RAGE AND CSE/H2S/CAV3.2 PATHWAYS INVOLVED IN CYSTITIS-RELATED BLADDER PAIN IN MICE</b><br><u>S. Hiramoto</u> , M. Tsubota, K. Yamaguchi, K. Okazaki, J. Tanaka, F. Sekiguchi, H. Ishikura, M. Nishibori, A. Kawabata ( <i>Japan</i> ) |
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## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
<b>WIDESPREAD PAIN</b>		
P317	103	<b>EFFECT OF FMRI-GUIDED NEURONAVIGATION BASED RTMS THERAPY ON PAIN PERCEPTION IN FIBROMYALGIA PATIENTS</b> <u>V.K. Tiwari</u> , S. Nanda, S. Chaudhary, U. Kumar, S.S. Kumaran, R. Bhatia ( <i>India</i> )
<b>ANATOMY AND PHYSIOLOGY SOMATOSENSORY SYSTEM</b>		
P318	104	<b>DEMONSTRATION OF THE ANTINOCICEPTIVE ACTION OF THE FIXED COMBINATION OF CANDESARTAN-CLOMIPRAMINE</b> <u>D.C. Ababei</u> , V. Bild, R.-N. Rusu, W. Bild ( <i>Romania</i> )
P319	105	<b>OFFSET ANALGESIA AND ONSET HYPERALGESIA WITH TWO DIFFERENT TEMPERATURE RANGES</b> <u>J. Fust</u> , M. Lalouni, K.B. Jensen ( <i>Sweden</i> )
P320	106	<b>CINNAMALDEHYDE-EVOKED SCRATCHING IN MICE REQUIRES DIRECT OR INDIRECT ACTIVATION OF TRPV4- AND TRPV1- BUT NOT TRPA1-EXPRESSING SENSORY NEURONS</b> <u>E. Carstens</u> , T. Follansbee, D. Domocos, A. Nguyen, Z. Cai, M. Iodi Carstens ( <i>United States</i> )
P321	107	<b>LYSOPHOSPHATIDIC ACID ACTIVATION OF SCHWANN CELLS</b> <u>C. Ciotu</u> , L. Gebhardt, T. Weiss, A. Kremer, M. Fischer ( <i>Austria</i> )
P322	108	<b>CAPSAICIN INDUCED DESENSITIZATION OF THE SKIN: EFFECTS ON THE PERCEPTION OF NOXIOUS AND NON-NOXIOUS SENSORY STIMULI</b> <u>S.G.A. van Neerven</u> , A. Mouraux ( <i>Belgium</i> )
P323	109	<b>PARTICIPATION OF THE NITRIC OXIDE-CYCLIC GMP-K<sup>+</sup> CHANNEL PATHWAY IN THE PERIPHERAL ANTINOCICEPTIVE EFFECT OF CITRAL IN THE RAT FORMALIN TEST</b> <u>M.I. Ortiz</u> , R. Cariño-Cortés, V.M. Muñoz-Pérez, G. Castañeda-Hernández ( <i>Mexico</i> )
P324	110	<b>INFLUENCE OF EXERCISE-INDUCED MUSCLE PAIN AND DELAYED ONSET MUSCLE SORENESS ON OFFSET ANALGESIA AND CONDITIONED PAIN MODULATION</b> <u>T. Szikszay</u> , W. Adamczyk, K. Luedtke ( <i>Germany</i> )
P325	111	<b>PRECEDING APPLICATION OF MINOCYCLINE SUPPRESSES PLASTIC CHANGES IN CORTICAL EXCITATORY PROPAGATION IN THE MODEL RAT WITH INFRAORBITAL NERVE LIGATION</b> <u>M. Zama</u> , M. Tonogi, M. Kobayashi ( <i>Japan</i> )
P326	112	<b>NALOXONE AND CTOP BLOCK NSAIDS-INDUCED ANTINOCICEPTION IN ANTERIOR CINGULATE CORTEX OF RATS</b> N. Tsagareli, <u>N. Tsiklauri</u> , M.G. Tsagareli, I. Kvachadze ( <i>Georgia</i> )
P327	113	<b>EVIDENCE FOR THE IN VIVO ANALGESIC EFFECT OF CARBOXAMIDO STEROIDS VIA LIPID RAFTS</b> <u>T. Biró-Sütő</u> , Á. Horváth, M. Payrits, É. Sággy, R. Skodáné-Földes, E. Szánti-Pintér, G. Makkai, J. Erostyák, J. Szolcsányi, Z. Helyes, É. Szőke ( <i>Hungary</i> )

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
<b>BIOLOGY</b>		
P328	114	<b>GLUTAMATE INDUCES IONOTROPIC AND METABOTROPIC GLUTAMATE RECEPTORS EXPRESSION IN PERIPHERAL MAST CELL POPULATIONS</b> M.A. Alim, P.W. Ackermann, M. Grujic, P. Kristiansson, G. Pejler, M. Peterson (Sweden)
P329	115	<b>CYP2D6 GONOTYPE CAN FACILITATE PREDICTION OF EFFICACY AND SAFETY OF TRAMADOL AND CODEINE TREATMENT. A STUDY ON GREEK POPULATION</b> E. Chrona, M. Gazouli, C. Batistaki, A. Kostroglou, G. Kostopanagiotou (Greece)
P330	116	<b>ANTIOXIDANT CAPACITIES OF PATIENTS WITH CHRONIC PAIN AFTER STRONG OPIOID TREATMENT</b> J. Šimonová, J. Vašková, D. Ogurčáková, L. Kočan, I. Martuliak, R. Rapčan, R. Šimon (Slovakia)
<b>DEFINITION AND CLASSIFICATION</b>		
P331	117	<b>CHRONIC PAIN IN ICD-11: VALIDATION OF THE PAIN SEVERITY EXTENSION CODE</b> G. Hay, B. Korwisi, R.-D. Treede, W. Rief, A. Barke (Germany)
<b>DIGITIZATION IN PAIN MANAGEMENT</b>		
P332	118	<b>A COMPARISON OF SOME AND TRADITIONAL PATIENT RECRUITMENT STRATEGIES FOR AN ONLINE DIGITAL PAIN ASSESSMENT STUDY</b> M. Galve Villa, T. S. Palsson, C. R. Bjarkam, S.A. Boudreau (Denmark)
<b>EDUCATION OF PAIN CARE</b>		
P333	119	<b>EVALUATING THE EFFECTIVENESS OF ESSENTIAL PAIN MANAGEMENT PROGRAM IN IMPROVING HEALTHCARE PROFESSIONALS KNOWLEDGE OF PAIN MANAGEMENT</b> M. Galligan, B. Enriquez, R. Shookhye, M. Hamilton, T. Gilkes (United Kingdom)
<b>BASICS IN PAIN WALK 2</b>		
		Chair: J. van Meurs (The Netherlands)
P334	120	<b>DIFFERENTIAL REGULATION OF PAIN AND ANXIETY BEHAVIORS BY CEA NEURONS</b> W.H. Chen, A.C.C. Shih, C.C. Chen (Taiwan, Province of China)
P335	121	<b>TRANSDIFFERENTIATION AND MICROFLUIDIC CHAMBERS AS TOOLS TO APPROACH THE IN-VIVO SKETCH OF HUMAN NOCICEPTORS</b> S. Giorgi, M. Artero-Morales, A. Fernández-Carvajal, A. Ferrer-Montiel (Spain)

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P336	122	<b>SELECTIVE PEPTIDE TOXINS FOR ASSESSING NAV CHANNEL FUNCTION IN SENSORY NEURONS</b> <u>M. Israel</u> , S. Bothe, T. Dash, S. Robinson, J. Deuis, T. Durek, A. Lampert, I. Vetter ( <i>Australia</i> )
P337	123	<b>TRPV1 RECEPTOR ACTIVATION BY CAPSAICIN IS MODULATED BY OXYTOCIN IN CULTURED DORSAL ROOT GANGLION NEURONS</b> <u>G. Karcsúné Kis</u> , H. El Heni, I. Kisné Dobos, I.D. Szeredi, G. Jancsó, M. Dux, P. Sántha ( <i>Hungary</i> )
P338	124	<b>BASELINE CORTICAL ACTIVITY PREDICTS REACTIVITY TO NOCICEPTIVE STIMULI DURING SLEEP</b> <u>H. Bastuji</u> , A. Cadic-Melchior, L. Garcia Larrea ( <i>France</i> )
P339	125	<b>DEPLETION OF EXTRACELLULAR POTASSIUM LEADS TO AN ACCUMULATION OF INTRA-AXONAL SODIUM AND ONGOING ACTIVITY IN MOUSE C-FIBRES VIA NAV1.9</b> <u>J. Pakalniskis</u> , T. Hoffmann, C. Weidner, K. Kistner, R. De Col, K. Messlinger, P. Reeh, M. Nassar, R. Carr ( <i>Germany</i> )
P340	126	<b>MODULATION OF TRIGEMINAL ACTIVITY BY OLFACTORY CO-STIMULATION</b> <u>N. Papotto</u> , M. Maurer, R. Carr, F. Möhrlein, S. Frings ( <i>Germany</i> )
P341	127	<b>ENDOCANNABINOID AND N-ACYLETHANOLAMIDE LEVELS IN RAT BRAIN AND SPINAL CORD FOLLOWING SYSTEMIC DIPYRONE AND PARACETAMOL ADMINISTRATION</b> R.D. Topuz, O. Gunduz, C.H. Karadag, D. Dokmeci, <u>A. Ulugol</u> ( <i>Turkey</i> )
P342	128	<b>IN VITRO AND IN VIVO EVIDENCE FOR THE ROLE OF SPHINGOMYELIN AND LIPID RAFTS IN CA<sup>2+</sup>-GATING OF THE TRANSIENT RECEPTOR POTENTIAL CHANNELS IN SENSORY NEURONS</b> <u>E. Szoke</u> , A. Horvath, T. Biro-Suto, E. Saghy, M. Payrits, A. Steib, G. Makkai, J. Erostyak, Z. Helyes ( <i>Hungary</i> )
P343	129	<b>PAIN SENSITIVITY IS RHYTHMIC; CONTROLLED BY SLEEP AND CIRCADIAN ENDOGENOUS PROCESSES</b> <u>I. Daguét</u> , D. Bouhassira, C. Gronfier ( <i>France</i> )

### EPIDEMIOLOGY

P344	130	<b>AN EVALUATION OF THE PROPORTION OF PRIMARY CARE PATIENTS AT RISK OF DEVELOPING CHRONIC PAIN IN FRENCH-SPEAKING BELGIUM</b> <u>A. Steyaert</u> , R. Bischoff, G. Beuken, J.-M. Feron, A. Berquin ( <i>Belgium</i> )
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### ORGANISATION OF CLINICAL PAIN CARE

P345	131	<b>HOW IS A BIOPSYCHOSOCIAL REHABILITATION MODEL USED IN THE BELGIAN MULTIDISCIPLINARY CENTERS FOR THE TREATMENT OF CHRONIC PAIN?</b> <u>O. Vanhaute</u> , A. Berquin, S. Broeckmans, V. Callebaut, G. Crombez, D. Dicker, P. Forget, G. Hans, C. Henne, M.-C. Schommer, S. Van den Bogaert, I. Van der Brempt, J. Wynants ( <i>Belgium</i> )
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## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
<b>PSYCHOLOGY</b>		
P346	132	<b>SPATIAL ATTENTION CAN MODULATE THE DEVELOPMENT OF SECONDARY HYPERALGESIA</b> <u>L. Filbrich</u> , E.N. van den Broeke, V. Legrain, A. Mouraux ( <i>Belgium</i> )
P347	133	<b>DO RELIGION AND SPIRITUALITY PLAY A ROLE IN FUNCTION, PAIN-RELATED BELIEFS AND COPING IN PATIENTS WITH CHRONIC PAIN? A SYSTEMATIC REVIEW</b> <u>A. Ferreira-Valente</u> , S. Sharmam, S. Torres, Z. Smothers, J. Pais-Ribeiro, J.H. Abbott, M. Jensen ( <i>Portugal</i> )
P348	134	<b>BEHAVIORAL ACTIVATION AND INHIBITION SYSTEMS: FURTHER EVALUATION OF A BIS-BAS MODEL OF CHRONIC PAIN</b> <u>E. Sánchez-Rodríguez</u> , M. Racine, E. Castarlenas, C. Tomé-Pires, S. Galán, M.P. Jensen, J. Miró ( <i>Spain</i> )
P349	135	<b>PEOPLE IN PAIN MAKE POORER DECISIONS</b> N. Attridge, <u>J. Pickering</u> , M. Inglis, E. Keogh, C. Eccleston ( <i>United Kingdom</i> )
P350	136	<b>STIMULUS CONTROLLABILITY CAN MODULATE THE INDUCTION OF HFS-INDUCED CENTRAL SENSITIZATION</b> <u>V. Nicolardi</u> , E.N. Van den Broeke, L. Filbrich, V. Legrain, A. Mouraux ( <i>Italy</i> )
P351	137	<b>THE ROLE OF THE SOURCE OF SOCIAL INFORMATION IN THE FORMATION OF PLACEBO ANALGESIA</b> <u>E.A. Bajcar</u> , K. Wiercioch-Kuzianik, D. Farley, E. Buglewicz, H. Bieniek, J. Brączyk, P. Bąbel ( <i>Poland</i> )
P352	138	<b>LONGER-LASTING PAINFUL ELECTRICAL STIMULATION PROVIDES EVIDENCE FOR DISSOCIATION OF PAIN INTENSITY VS. PAIN AVERSIVENESS</b> <u>T. Weiss</u> ( <i>Germany</i> )
P353	139	<b>HOPE, ACCEPTANCE AND CHRONIC PAIN</b> <u>C. Tomé Pires</u> , E. Solé, S. Galán, E. Sánchez-Rodríguez, E. Castarlenas, M.P. Jensen, J. Miró ( <i>Spain</i> )
<b>SOCIETAL IMPACT</b>		
P354	140	<b>PAIN ALLIANCE EUROPE (PAE) SURVEY ON CHRONIC PAIN AND WORK LIFE</b> <u>M. Nicholson</u> , N. Guldemon, A. Pop ( <i>Belgium</i> )
P355	141	<b>THE IMPACT OF OSTEOARTHRITIS DISEASE SEVERITY ON CURRENT HEALTHCARE RESOURCE UTILISATION IN THE EU - RESULTS FROM A REAL-WORLD STUDY</b> P. Conaghan, <u>L. Abraham</u> , P. Graham-Clarke, L. Viktrup, J. Cappelleri, C. Beck, A. Bushmakina, N. Williams, J. Mellor, J. Jackson ( <i>United Kingdom</i> )
P356	142	<b>THE IMPACT OF OSTEOARTHRITIS DISEASE SEVERITY ON CURRENT HEALTHCARE RESOURCE UTILISATION IN JAPAN - RESULTS FROM A REAL-WORLD STUDY</b> P. Graham-Clarke, <u>L. Abraham</u> , K. Ueda, N. Williams, J. Mellor, J. Jackson, H. Enomoto ( <i>United Kingdom</i> )

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P357	143	<p><b>AGEING AND SOCIETY: WHAT DOES THE RESEARCH LITERATURE ARTICULATE ABOUT INFORMAL CARERS' EXPERIENCES WHO PROVIDE SUPPORT FOR OLDER FAMILY MEMBERS LIVING WITH CHRONIC PAIN?</b></p> <p><u>G. Bellamy</u>, S.-A. Francis, A. Abdulla, A. Bonacaro, R. Chandler, M. Cumberbatch, M. Dunham, E. Hamid, R. Knaggs, P. Schofield, D. Sookhoo (<i>United Kingdom</i>)</p>

### CLINICAL DIAGNOSTICS FOR THE ASSESSMENT OF PAIN

P358	144	<p><b>DIFFERENCE IN THE IMPACT OF CENTRAL SENSITIZATION ON PAIN-RELATED SYMPTOMS BETWEEN PATIENTS WITH CHRONIC LOW BACK PAIN AND KNEE OSTEOARTHRITIS</b></p> <p><u>T. Nishigami</u>, A. Mibu, K. Tanaka, M. Manfuku, S. Yono (<i>Japan</i>)</p>
P359	145	<p><b>MODALITY-SPECIFIC EVOKED POTENTIALS</b></p> <p><u>S.-C. Fabig</u>, A. Muntean, J. Forstenpointner, R. Baron, P. Hüllemann (<i>Germany</i>)</p>
P360	146	<p><b>A NOVEL METHOD FOR ASSESSMENT AND CHARACTERIZATION OF PANCREATIC PAIN</b></p> <p><u>I. Larsen</u>, A. Evans Phillips, M. Faghih, A.M. Drewes, V. Singh, D. Yadav, S.S. Olesen (<i>Denmark</i>)</p>
P361	147	<p><b>IS THE GRADE OF THERMAL PAIN SENSITIVITY LINKED TO FUNCTIONAL STATUS IN PATIENTS WITH FIBROMYALGIA?</b></p> <p><u>Z. Kuret</u>, G. Vidmar, M. Moharić (<i>Slovenia</i>)</p>

### DIAGNOSIS AND MEASUREMENT IN PAIN WALK 2

		Chair: D. Tibboel ( <i>Netherlands</i> )
P362	148	<p><b>PREDICTION OF POSTOPERATIVE PAIN AND OPIOID EFFECT BY PSYCHOLOGICAL PARAMETERS AND INTRAOPERATIVE MEASURES OF NOCICEPTION</b></p> <p><u>S. Mathivon</u>, B. Rehberg-Klug (<i>Switzerland</i>)</p>
P363	149	<p><b>INVESTIGATING THE EFFECT OF PRIMING WITH HEAT AND CAPSAICIN ON THE DEVELOPMENT OF HYPERALGESIA TO HIGH FREQUENCY ELECTRICAL STIMULATION</b></p> <p>R. Hugosdottir, M.J.M. Kasting, <u>C. D. Mørch</u>, O. K. Andersen, L. Arendt-Nielsen (<i>Denmark</i>)</p>
P364	150	<p><b>DIFFERENCE IN EXERCISE-INDUCED HYPOALGESIA AFTER 3-MINUTE ISOMETRIC WALLSQUAT EXERCISE IN SUBGROUPS OF HEALTHY SUBJECTS</b></p> <p><u>S. Hansen</u>, R.C. Dalgaard, P.S. Mikkelsen, M.B. Sørensen, K.K. Petersen (<i>Denmark</i>)</p>
P365	151	<p><b>CENTRAL ASPECTS OF PAIN IN THE KNEE (CAP-KNEE) QUESTIONNAIRE FOR ASSESSING CENTRAL MECHANISMS IN PEOPLE WITH KNEE PAIN</b></p> <p><u>K. Akin-Akinyosoye</u>, R.J.E. James, B. Millar, D.F. McWilliams, R. das Nair, E. Ferguson, D.A. Walsh (<i>United Kingdom</i>)</p>
P366	152	<p><b>DO PHYSICAL ACTIVITY LEVELS PREDICT THE EFFICACY OF CONDITIONED PAIN MODULATION? RESULTS FROM A CROSS-SECTIONAL STUDY IN HEALTHY INDIVIDUALS</b></p> <p>J. Van Oosterwijck, M. Meeus, C. van der Wekken, L. Hermans, E. Dhondt, <u>S. Van Oosterwijck</u> (<i>Belgium</i>)</p>

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P367	153	<b>VERY-EARLY ACUTE CLINICAL PAIN, PSYCHOPHYSICAL PAIN SENSITIVITY AND PSYCHOLOGICAL DISTRESS CAN PREDICT PAIN BEHAVIOR IN MTBI POST-COLLISION PATIENTS AT ONE-YEAR POST-INJURY</b> <u>P. Kuperman</u> , M. Granot, Y. Granovsky, H. Bahouth, H. Ben Lulu, N. Bosak, C. Buxbaum, S. Fadel, E. Sprecher, D. Yarnitsky ( <i>Israel</i> )
P368	154	<b>ENHANCING THE PERCEPTION OF PAIN USING VIRTUAL REALITY: A PRELIMINARY REPRODUCIBILITY STUDY</b> <u>R.J. Doll</u> , I.W. Koopmans, G.J. Groeneveld ( <i>Netherlands</i> )
P369	155	<b>RELIABILITY ASSESSMENT OF THE CONDITIONED PAIN MODULATION PARADIGM WITH A CONTACT HEAT AS A CONDITIONING STIMULUS</b> <u>A. Knezevic</u> , M. Kovacevic, L. Klicov, M. Pantic, J. Vasin, T. Spasojevic, M. Jeremic-Knezevic ( <i>Serbia</i> )
P370	156	<b>PAIN REPORTING ACCURACY AND PAIN RELATED PSYCHOLOGICAL FACTORS</b> L. Honigman, I. Asaad, <u>R. Treister</u> ( <i>Israel</i> )
P371	157	<b>MEASUREMENT PROPERTIES OF PATIENT-REPORTED UNIDIMENSIONAL PAIN INTENSITY SCALES USED IN ADULTS WITH CHRONIC PAIN - A SYSTEMATIC REVIEW</b> S. Deckert, K. Neustadt, R. Sabatowski, J. Schmitt, <u>U. Kaiser</u> ( <i>Germany</i> )

### INSTRUMENTS FOR THE ASSESSMENT OF PAIN

P372	158	<b>DIGITAL MAPPING AND TRACKING OF PAIN INTENSITY, DISTRIBUTION AND QUALITY FROM HOME IN PATIENTS WITH CHRONIC PAIN: PRELIMINARY INSIGHTS</b> <u>M. Galve Villa</u> , A. Cid Royo, T. S. Palsson, C. R. Bjarkam, S.A. Boudreau ( <i>Denmark</i> )
P373	159	<b>WITHIN-SUBJECTS VARIABILITY OF PAIN INTENSITY REPORTS AND VARIABILITY OF REPORT OF OTHER BODILY SENSATIONS IN DANCERS</b> <u>D. Mendonça</u> , R. Canaipa, M. Agostinho, L. Honigman, R. Treister ( <i>Portugal</i> )
P374	160	<b>SENSORY-AUTONOMIC INTERACTION: A READOUT OF CENTRAL SENSITIZATION</b> <u>P.S. Scheuren</u> , J. Rosner, A. Curt, M. Hubli ( <i>Switzerland</i> )
P375	161	<b>DO WE NEED TELEMONITORING IN CHRONIC PAIN? A RANDOMIZED CONTROLLED TRIAL COMPARING A PAIN APP WITH AND WITHOUT CLINICAL ALARMS</b> <u>A. Server</u> , J. Medel, A. Mesas, E. Marquez, R. Antunez, G. Usua, C. Suso-Ribera, D. Castilla, I. Zaragoza, A. Garcia-Palacios ( <i>Spain</i> )
P376	162	<b>TEST-RETEST RELIABILITY AND CONSTRUCT VALIDITY OF THE OPTIMAL SCREENING FOR PREDICTION OF REFERRAL AND OUTCOME YELLOW FLAGS (OSPRO-YF) IN PATIENTS WITH SHOULDER PATHOLOGY</b> <u>H. Razmjou</u> , V. Palinkas, S. Robarts, D. Kennedy ( <i>Canada</i> )
P377	163	<b>CAN PEOPLE WITH CHRONIC NECK PAIN RECOGNISE THEIR OWN DIGITAL PAIN DRAWING?</b> <u>D. Abichandani</u> , M. Barbero, C. Cescon, A. Gallace, D. Punt, E. Sanchis-Sanchez, D. Falla ( <i>United Kingdom</i> )

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
<b>MEASUREMENT OF PSYCHOSOCIAL ASPECTS OF PAIN</b>		
P378	164	<b>TWO PORTUGUESE BRIEF VERSIONS OF RELIGIOSITY MEASURES APPLIED IN A SAMPLE OF PORTUGUESE PATIENTS WITH CHRONIC PAIN</b> <i>A. Ferreira-Valente, J. Pais-Ribeiro, M. Jensen (Portugal)</i>
<b>STRUCTURAL AND FUNCTIONAL IMAGING OF PAIN</b>		
P379	165	<b>TOWARDS A MAGNETOENCEPHALOGRAPHY SIGNAL MARKER OF CHRONIC PAIN</b> <i>B. Witjes, M. Roy, E. Bock, R. Oostenveld, S. Baillet, C. de Vos (Netherlands)</i>
P380	166	<b>ALTERED RESTING-STATE FUNCTIONAL CONNECTIVITY IN WOMEN WITH TRAUMATIC AND NON-TRAUMATIC CHRONIC NECK PAIN COMPARED TO PAIN-FREE WOMEN: ASSOCIATIONS WITH PAIN OUTCOMES AND CENTRAL SENSITIZATION?</b> <i>I. Coppieters, B. Cagnie, R. De Pauw, M. Meeus, I. Timmers (Belgium)</i>
P381	167	<b>EXPERIMENTAL ONGOING MUSCULOSKELETAL PAIN AFTER NERVE GROWTH FACTOR INJECTION INCREASES LOW AND HIGH FREQUENCY EEG ACTIVITY DURING REST</b> <i>J.M. Völker, F.G. Arguissain, J.A. Biurrun Manresa, O.K. Andersen (Denmark)</i>
P382	168	<b>CORTICAL THICKNESS AS A PREDICTOR FOR RTMS TREATMENT OUTCOME IN ATYPICAL FACIAL PAIN</b> <i>L. Säisänen, E. Kallioniemi, J. Hyppönen, J. Huttunen, T. Nurmikko, M. Fraunberg (Finland)</i>
P383	169	<b>INCREASED NEURAL ACTIVATION FOR CONDITIONED PAIN RESPONSES FOLLOWING A FALSE LOW- VS HIGH PAIN CUE IS RELATED TO PAIN CATASTROPHIZING IN FIBROMYALGIA PATIENTS</b> <i>A. Sandström, I. Ellerbrock, J. Tour, D. Kadetoff, K.B. Jensen, E. Kosek (Sweden)</i>
P384	170	<b>USING HIGH ANGULAR RESOLUTION DIFFUSION IMAGING TO INVESTIGATE PATHOPHYSIOLOGICAL CHANGES IN THE DORSAL DIENCEPHALIC CONDUCTING PATHWAY IN CHRONIC PAIN.</b> <i>K. Levins, E. Roman, W. Khan, R. Victory, H. Gallagher, D. Barry, V. O'Keane, P. Murphy, E. O'Hanlon, D. Roddy (Ireland)</i>
<b>COMPLEMENTARY MEDICINE</b>		
P385	171	<b>OBSERVATIONAL STUDY OF NALOXEGOL FOR PATIENTS WITH CANCER PAIN DIAGNOSED WITH OPIOID INDUCED CONSTIPATION. NACASY STUDY PRELIMINARY RESULTS</b> <i>A. Davies, J. Tack, A. Fernandez (United Kingdom)</i>
P386	172	<b>ANALGESIC EFFECTS OF MICA IN THE PARTIAL SCIATIC NERVE LIGATION-INDUCED NEUROPATHIC PAIN MICE MODEL</b> <i>J.-Y. Oh, J.-H. Jang, T.-Y. Hwang, H.-J. Park (Korea, Republic of)</i>
P387	173	<b>ACUPUNCTURE ALLEVIATES BOTH ALLODYNIA AND COGNITIVE DYSFUNCTION BY MODULATING SYNAPTIC PLASTICITY IN HIPPOCAMPAL NEURONS OF CHRONIC NEUROPATHIC PAIN</b> <i>J.-H. Jang, Y.-K. Kim, E.-M. Song, H.-Y. Kim, J.-Y. Oh, J.-Y. Park, M.-Y. Song, H.-J. Park (Korea, Republic of)</i>



## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P388	174	<b>WHEN OPIOIDS FAIL IN CHRONIC PAIN MANAGEMENT: THE INTESTINAL EPITHELIAL BARRIER: A THERAPEUTIC TARGET?</b> <i>A. Mazic - de Sonis (Belgium)</i>
P389	175	<b>INTEGRATIVE MEDICINE APPROACH TO NEUROPATHIC PAIN TREATMENT - EFFECTIVE PAIN CONTROL WITH PHARMACOTHERAPY AND ACUPUNCTURE</b> <i>M. Kocot-Kępska, J. Dobrogowski, R. Zajączkowska, J. Wordliczek, A. Przeklasa-Muszyńska (Poland)</i>

### INTERVENTIONAL BLOCKADE THERAPIES

P390	176	<b>PERIPHERIC NERVE PULSED RADIOFREQUENCY FOR TRIGEMINAL NEURALGIA</b> <i>T. Tanyel Kiremitçi, A. Bilir, S. Güleç (Turkey)</i>
P391	177	<b>CASE SERIES OF SUCCESSFUL SUPERIOR HYPOGASTRIC PLEXUS BLOCKS FOR LOWER ABDOMINAL AND PELVIC PAIN</b> <i>C.S.Y. Lee, A. Shetty (United Kingdom)</i>

### MULTIDISCIPLINARY PROGRAMS

P392	178	<b>PAIN REHABILITATION WITH LANGUAGE INTERPRETER, A SWEDISH MULTICENTER DEVELOPMENT PROJECT</b> <i>E. Persson, K. Uhlin, M. Rivano-Fischer, B.-M. Stålnacke, M. Löfgren (Sweden)</i>
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### PAIN THERAPIES WALK 3

		Chair: <i>K. Meier (Denmark)</i>
P393	179	<b>REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION IN CENTRAL POST-STROKE PAIN: THE ROLE OF DOPAMINE D2 RECEPTOR GENE POLYMORPHISM IN TREATMENT OUTCOME</b> <i>J. Vanhanen, J. Ojala, H. Harno, S. Vaalto, M.A. Kaunisto, J. Putaala, E. Kirveskari, J. Mäkelä, E. Kalso (Finland)</i>
P394	180	<b>INTERLEUKIN -6 PROMOTES SPONTANEOUS FIRING OF SENSORY AFFERENT FIBRES IN THE RAT</b> <i>D. Tewari, M. Jones, S. McMahon (United Kingdom)</i>
P395	181	<b>WHISPER RCT: AN UPDATED POST-HOC EVALUATION OF SUB-PERCEPTION SCS AT <math>\leq 1.2</math> KHZ IN PREVIOUSLY-IMPLANTED SUBJECTS</b> <i>J. North, L. Chen, R. Jain (United States)</i>
P396	182	<b>POSTERIOR INSULA AS A POTENTIAL TARGET FOR NEUROPATHIC PAIN TREATMENT - AN EXPERIMENTAL STUDY ON A CAT MODEL OF LOW AND HIGH FREQUENCY INSULAR STIMULATION</b> <i>H.D. Chehade, S. Kobaiter-Maarrawi, F. Komboz, J.P. Farhat, S. Hage, J. Maarrawi (Lebanon)</i>
P397	183	<b>UNILATERAL L4-DORSAL ROOT GANGLION STIMULATION EVOKES PAIN RELIEF IN CHRONIC NEUROPATHIC POSTSURGICAL KNEE PAIN AND CHANGES OF INFLAMMATORY MARKERS: PRELIMINARY RESULTS</b> <i>T. Kiefe, K. Chakravarthy, T. Deer, J. Kramer, T. Yearwood, R. Hurlmann (Germany)</i>

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P398	184	<b>CORTICAL AND SUB-CORTICAL RESPONSES TO REAL AND SHAM MOTOR CORTEX REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION IN FIBROMYALGIA INVOLVE DISTINCT FUNCTIONAL CONNECTOME SUB-SYSTEMS</b> Y. Argaman, Y. Granovsky, A. Sinai, E. Sprecher, D. Yarnitsky, <u>I. Weissman-Fogel</u> (Israel)

### NEUROMODULATIVE THERAPIES

P399	185	<b>SPINAL CORD STIMULATION FOR REFRACTORY ANGINA PECTORIS - A 3-YEAR FOLLOW-UP STUDY OF TREATMENT-RELATED COMPLICATIONS</b> <u>L. Bengtsson</u> , J. Liljencrantz, W. Yu, C. Mannheimer, P. Andréll (Sweden)
P400	186	<b>CONTRASTING THE EFFECT OF LIVE AND RECORDED HYPNOSIS: IS ONE APPROACH MORE EFFECTIVE TO REDUCE EXPERIMENTAL PAIN?</b> <u>A. Redeker</u> , J. Damien, M.-P. Harvey, P. Chalaye, S. Marchand, G. Léonard (Canada)
P401	187	<b>LONG-TERM RESULTS FROM FEEDBACK-CONTROLLED SCS USING EVOKED COMPOUND ACTION POTENTIALS (AVALON STUDY)</b> <u>S. Falowski</u> , M. Russo (United States)
P402	188	<b>EFFECTS OF SPINAL CORD STIMULATION ON HEART RATE VARIABILITY IN PATIENTS WITH FAILED BACK SURGERY SYNDROME</b> <u>L. Goudman</u> , R. Brouns, B. Linderoth, M. Moens (Belgium)
P403	189	<b>EFFECTS OF TRANSCRANIAL DIRECT CURRENT STIMULATION (TDCS) ON CLINICAL AND EXPERIMENTAL PAIN IN PATIENTS WITH FIBROMYALGIA</b> <u>N. Samartin-Veiga</u> , M. Pidal-Miranda, A.J. González-Villar, C. Bradley, L. García-Larrea, M.T. Carrillo-de-la-Peña (Spain)

### PALLIATIVE CARE

P404	190	<b>ESSENTIAL PALLIATIVE CARE MEDICINES IN ARMENIA</b> <u>I. Kazaryan</u> (Armenia)
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### PHARMACOLOGICAL THERAPIES

P405	191	<b>A FIRST-IN-HUMAN CLINICAL TRIAL TO ASSESS SAFETY, TOLERABILITY, PHARMACOKINETICS AND PHARMACODYNAMICS OF STR-324, A DUAL ENKELPHALINASE INHIBITOR AND THERAPEUTIC CANDIDATE FOR PAIN MANAGEMENT</b> L.M. Moss, <u>C.L. Berends</u> , E.M.J. van Brummelen, I.M.C. Kamerling, V. Ville, V. Juarez-Perez, A.C. Benichou, G.J. Groeneveld (Netherlands)
P406	192	<b>POPULATION PHARMACOKINETICS OF OXYCODONE AFTER EPIDURAL AND INTRAVENOUS ADMINISTRATION</b> <u>P. Piirainen</u> , M. Lamminsalo, H. Kokki, C. Knibbe, V.-P. Ranta, P. Väitalo, M. Kokki (Finland)

## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P407	193	<b>A NEW N-ACYLHYDRAZONE AS A POTENTIAL ANTINOCICEPTIVE AGENT</b> D.C. Salomé, R.H.C.N. Freitas, C.A.M. Fraga, P.D. Fernandes (Brazil)
P408	194	<b>VOLUNTARY ORAL ADMINISTRATION OF THE PRO-RESOLUTION MEDIATOR MARESIN 1 ATTENUATES MECHANICAL ALLODYNIA IN THE SPARED NERVE INJURY MODEL OF NEUROPATHIC PAIN</b> L. Teixeira-Santos, T. Sousa, A. Albino-Teixeira, D. Pinho (Portugal)
P409	195	<b>ADVERSE DRUG REACTIONS DURING S-KETAMINE INFUSION IN PATIENTS WITH CHRONIC PAIN: 5 YEARS OF EXPERIENCE</b> A. Pot, M. Rijdsdijk (Netherlands)
P410	196	<b>REAL-WORLD EFFICACY OF TAPENTADOL: ANALYSIS OF DATA FROM THE GERMAN PAIN PRACTICE REGISTRY (GPPR)</b> M. Überall, B. Morlion, J. Garcia, B. Heckes, M. Heine, R. Karra, I. Wild, G.H.H. Müller-Schwefe (Germany)
P411	197	<b>THE EFFECTS OF LONG-TERM OPIOID TREATMENT ON THE IMMUNE SYSTEM: A SYSTEMATIC REVIEW</b> P.D.K. Diasso, H. Birke, S.D. Nielsen, K.M. Main, J. Højsted, P. Sjogren, G.P. Kurita (Denmark)
P412	198	<b>PAIN ROUTER: A GUIDE TO THE MECHANISM-ORIENTED PAIN THERAPY IN CHRONIC NON-MALIGNANT PAIN</b> R. Sittl, R. Likar (Germany)
P413	199	<b>INVOLVEMENT OF SEROTONERGIC, NORADRENERGIC AND GABAERGIC SYSTEMS IN THE ANTINOCICEPTIVE EFFECT OF A KETAMINE-MAGNESIUM SULFATE COMBINATION IN ACUTE PAIN</b> K. Savić Vujović, A. Vujovic, B. Medic, D. Srebro, M. Prostran, S. Vuckovic (Serbia)
P414	200	<b>ANALGESIC EFFECT OF NOVEL MONOCLONAL ANTIBODY AGAINST NAV1.7 IN PERIPHERAL NEUROPATHIC PAIN MODELS</b> Y. Sakurai, S. Yoneda, M. Yoshikawa, T. Takahashi, J. Onoda, M. Fujita, T. Asaki (Japan)
P415	201	<b>ROLE OF CANNABIS AND CANNABINOIDS IN PAIN MANAGEMENT AND SOCIAL ASPECTS OF MEDICAL CANNABIS LEGALIZATION</b> D. Naujokaitis, S. Žiogaitė, R. Jaliniauskaitė (Lithuania)
P416	202	<b>EFFECTIVENESS AND TOLERABILITY OF THC:CBD OROMUCOSAL SPRAY FOR CHRONIC PAIN - RESULTS OF A LONGITUDINAL ANALYSIS FROM THE GERMAN PAIN UNITS REGISTRY</b> M.A. Überall, U. Essner (Germany)

### PAIN THERAPIES WALK 4

Chair: A. Mouraux (Belgium)

P417	203	<b>PATTERNS OF OPIOID PRESCRIBING FOR PATIENTS BEFORE REFERRAL TO A UNIVERSITY HOSPITAL SECONDARY CARE PAIN MEDICINE SERVICE IN LIVERPOOL, UK</b> H.K. Tsang, L. Biggs, K. Herron, M.C.N.T. Medicines Management Team (United Kingdom)
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## Poster Session 2 - Thursday, 5 September

Poster	Board	Abstract
P418	204	<b>THE USE OF NON-OPIOID ANALGESICS IN PATIENTS TAKING ANTIPLATELET DRUGS AND ANTICOAGULANTS, WHAT TO LOOK FOR IN CLINICAL PRACTICE</b> <i>J. Woroi</i> , W. Serednicki, J. Wordliczek ( <i>Poland</i> )
P419	205	<b>IMPROVED SAFETY OF OPIOID ANALGESIC Oliceridine COMPARED TO MORPHINE ASSESSED BY UTILITY FUNCTION ANALYSIS</b> M. Niesters, M. Fossler, M. Demitrack, E. Olofsen, <i>A. Dahan</i> ( <i>Netherlands</i> )
P420	206	<b>DIETARY ASCORBIC ACID RESTRICTION IN GNL/SMP30-KNOCKOUT MICE UNVEILS THE ROLE OF ASCORBIC ACID IN REGULATION OF CAV3.2-DEPENDENT PAIN</b> <i>A. Kawabata</i> , M. Tsubota, K. Uebo, K. Miki, F. Sekiguchi, A. Ishigami ( <i>Japan</i> )
P421	207	<b>TOPICAL MORPHINE FOR THE TREATMENT OF CANCER-RELATED PAINFUL MUCOSAL AND CUTANEOUS LESIONS: A DOUBLE-BLIND, PLACEBO-CONTROLLED CROSS-OVER CLINICAL TRIAL</b> <i>A. Ciałkowska-Rysz</i> , <i>T. Dzierzanowski</i> ( <i>Poland</i> )
P422	208	<b>THE ASSOCIATION BETWEEN ACCEPTANCE AND PSYCHOLOGICAL AND PHYSICAL FUNCTION IN PORTUGUESE WOMEN IN CHRONIC PAIN DUE TO ENDOMETRIOSIS</b> <i>A. Rosa</i> , A. Ferreira-Valente, A. Pereira ( <i>Portugal</i> )
P423	209	<b>CONTRIBUTION OF MINDFUL SELF-COMPASSION PROGRAM IN SELF-CARE PRACTICE AND NEGATIVE MOOD IN CHRONIC PAIN PATIENTS</b> <i>M. Bermúdez Castro</i> , M. del Río Dieguéz, Á. Palao Tarrero, M. Torrijos Zarcero, L. Nocete Navarro ( <i>Spain</i> )

### PHYSICAL/OCCUPATIONAL THERAPIES

P424	210	<b>DO CHANGES IN DEPRESSIVE SYMPTOMS MEDIATE THE EFFECT OF EXERCISE AND ADVICE FOR SUBACUTE LOW BACK PAIN?</b> <i>V. Baadjou</i> , H. Lee, R. Smeets, S. Kamper ( <i>Netherlands</i> )
P425	211	<b>EFFICACY OF TOPICAL VIBRATORY STIMULATION FOR REDUCING PAIN DURING TRIGGER POINT INJECTION TO THE GASTROCNEMIUS: A RANDOMIZED CONTROLLED TRIAL</b> <i>S. Kim</i> ( <i>Korea, Republic of</i> )
P426	212	<b>MULTIMODAL PAIN THERAPY AND WHAT THEN? A RE-EVALUATION OF THE THERAPEUTIC SUCCESS 3 YEARS AFTER COMPLETION OF THE TREATMENT</b> M. Köstenberger, W. Pipam, S. Neuwersch, <i>R. Likar</i> ( <i>Austria</i> )
P427	213	<b>COMPARING THRUST VERSUS NON-THRUST SPINAL MANIPULATION TECHNIQUES RELATIVE TO SHAM COLD LASER ON PAIN AND DISABILITY IN CHRONIC LOW BACK PAIN</b> <i>J. Thomas</i> , B. Clark, D. Russ, R. Ploutz-Synder ( <i>United States</i> )
P428	214	<b>THE IMMEDIATE EFFECTS OF KINESIOLOGY TAPING ON EXPERIMENTALLY-INDUCED PAIN IN OTHERWISE PAIN-FREE HEALTHY HUMAN ADULTS</b> <i>M.I. Johnson</i> , G. Banerjee, A. Rose, M. Briggs ( <i>United Kingdom</i> )
P429	215	<b>ENDOGENOUS MODULATION OF PAIN - NO APPARENT DIFFERENCES IN THE MAGNITUDE OF INHIBITORY RESPONSE BETWEEN EXERCISE-INDUCED HYPOALGESIA AND CONDITIONED PAIN MODULATION</b> M.P. Støve, R.P. Hirata, <i>T.S. Palsson</i> ( <i>Denmark</i> )



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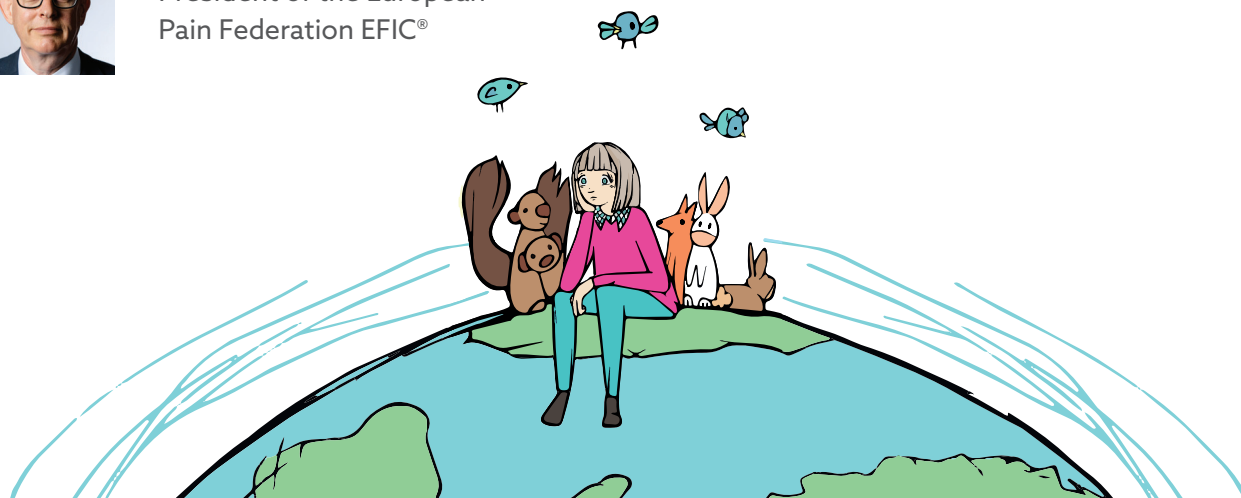
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**Poster Session 3**  
Friday, 6 September

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
<b>PAIN IN GENERAL</b>		
P430	1	<b>LONG-TERM EFFECTS OF MULTIMODAL REHABILITATION IN PRIMARY CARE FOR PATIENTS WITH CHRONIC PAIN</b> <i>E. Pietilä Holmner, P. Enthoven, B. Gerdle, P. Molander, B.-M. Stålnacke (Sweden)</i>
P431	2	<b>IMPACT OF HIGH FREQUENCY SPINAL CORD STIMULATION AT 10 KHZ ON BLADDER SYMPTOMATOLOGY: AN OBSERVATIONAL CASE SERIES</b> <i>M. Sidery, K. Dyer (United Kingdom)</i>
P432	3	<b>THE OSLO UNIVERSITY HOSPITAL PAIN REGISTRY: A DIGITAL REGISTRY WITH BASELINE DATA FROM 1,712 CHRONIC PAIN PATIENTS</b> <i>L.-P. Granan, S. Endresen Reme, H. Børsting Jacobsen, A. Stubhaug, C. Ekholdt, T.M. Ljoså (Norway)</i>
P433	4	<b>ADMINISTRATION OF LOCAL ANALGESIC (ROPIVACAINE) WITH DEXAMETHASONE ON THORACOLUMBAR FASCIA REDUCES SERUM LEVEL OF CHEMOKINE EXPRESSION IN OPERATIVE INCISION AFTER EXPERIMENTAL MODEL LAPARATOMY</b> <i>D. Dmytriiev, B. Zaletskyi, N. Voloschuk, I. Taran (Ukraine)</i>
P434	5	<b>THE IMPACT OF PAIN ON MALTESE CITIZENS: A CROSS SECTIONAL STUDY</b> <i>M. Grixti, G. Buttigieg, J. Mamo, C. Baluci, C. Vella, B. Samolsky Dekel, R. Galea, S. Fanalista (Malta)</i>
P435	6	<b>FACTORS ASSOCIATED TO A PERCEPTION OF DEPENDENCE ON OPIOID ANALGESICS FOR PSYCHOACTIVE EFFECTS ACCORDING TO NON-CANCER CHRONIC PAIN PATIENTS AND PAIN SPECIALISTS</b> <i>A. Roussin, Z. Cisse, V. Rousseau, N. Delage, A. Donnet, A. Cauchie, E. van Obberghen, C. Wood, N. Cantagrel (France)</i>
P436	7	<b>ONE NIGHT OF TOTAL SLEEP DEPRIVATION AFFECTS CENTRAL AND PERIPHERAL PAIN PATHWAYS IN HEALTHY PARTICIPANTS</b> <i>D. Boye Larsen, A. Staffe, M. Winther Bech, S. Louise Kjær Clemmensen, H. Tranbjerg Nielsen, K. Kjær Petersen (Denmark)</i>
<b>ACUTE PAIN</b>		
P437	8	<b>A NOVEL APPROACH TO COUNTERBALANCE PAIN-INDUCED REDUCTION IN CORTICOMOTOR EXCITABILITY</b> <i>D.B. Larsen, T. Graven-Nielsen, S.A. Boudreau (Denmark)</i>
<b>PAIN IN CHILDREN</b>		
P438	9	<b>THE ANALGESIC EFFECT OF VIRTUAL REALITY IN PEDIATRIC PROCEDURAL PAIN: A SYSTEMATIC REVIEW</b> <i>K. Vanhosebrouck, J. Smeulders, J. Toelen (Belgium)</i>
P439	10	<b>TRANSLATION AND VALIDATION OF THE PARENT FEAR OF PAIN QUESTIONNAIRE FOR A FRENCH SPEAKING POPULATION</b> <i>A. Riggerbach, R. Amouroux (Switzerland)</i>



## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
<b>PAIN IN THE ELDERLY</b>		
P440	11	<b>SUPERIOR GLENOHUMERAL SUBLUXATION IN PAINFUL AND MAJOR ROTATOR CUFF PATHOLOGY</b> H. Razmjou, V. Palinkas, S. Robarts, D. Kennedy ( <i>Canada</i> )
<b>PAIN SYNDROMES WALK 9</b>		
		Chair: W. Meissner ( <i>Germany</i> )
P441	12	<b>PAIN COPING AND FUNCTION IN CHILDREN WITH PAIN</b> E. Solé, R. Roy, C. Tomé-Pires, E. Castarlenas, E. Sánchez-Rodríguez, M.P. Jensen, J. Miró ( <i>Spain</i> )
P442	13	<b>ALTERED PREFRONTAL CONNECTIVITY DURING RESTING STATE IS LINKED TO AGE-RELATED CHANGES IN PAIN PERCEPTION</b> A.M. González-Roldán, J.L. Terrasa, C. Sitges, M. Van der Meulen, F. Anton, P. Montoya ( <i>Spain</i> )
P443	14	<b>THE DESTRUCTION OF DISTRACTION? NEURAL MECHANISMS OF REDUCED TASK-RELATED ANALGESIA WITH AGING</b> K. Rischer, A. Dierolf, A.M. González Roldán, P. Montoya, F. Anton, M. van der Meulen ( <i>Luxembourg</i> )
P444	15	<b>REDUCED INCIDENT MUSCULOSKELETAL CONSULTATION FOR PATIENTS WITH DEMENTIA: A RETROSPECTIVE COHORT STUDY OF THE UK CLINICAL PRACTICE RESEARCH DATALINK (CPRD)</b> L. Bullock, J. Bedson, C. Chew-Graham, Y. Chen, P. Campbell ( <i>United Kingdom</i> )
P445	16	<b>THE ANNUAL PREVALENCE OF MUSCULOSKELETAL CONSULTATION AFTER DIAGNOSIS OF DEMENTIA: A RETROSPECTIVE COHORT STUDY OF THE UK CLINICAL PRACTICE RESEARCH DATALINK (CPRD)</b> L. Bullock, J. Bedson, C. Chew-Graham, Y. Chen, P. Campbell ( <i>United Kingdom</i> )
P446	17	<b>DISCOVERY OF NOVEL AND CONSERVED NOCICEPTIVE PATHWAYS IN CONGENITAL INSENSITIVITY TO PAIN</b> V. Nagy, E. Lenartowicz, T. Kokotovic, M. Langeslag, E. Bellefroid, M. Kress, J. Penninger ( <i>Austria</i> )
P447	18	<b>INTERDISCIPLINARY APPROACH FOR THE EVALUATION AND PREVENTION OF CHRONIC POSTOPERATIVE PAIN</b> M. Kachanovskiy, T. Kuzminova, M. Churuykanov, V. Boltenkova, V. Ivanov, L. Medvedeva, O. Zagorulko ( <i>Russian Federation</i> )
<b>PAIN IN VULNERABLE GROUPS</b>		
P448	19	<b>IDENTIFYING REHABILITATION NEEDS OF WOMEN FROM THE MIDDLE EAST WITH CHRONIC PAIN - A CHALLENGING EYE-OPENER</b> V. Zander ( <i>Sweden</i> )

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
P449	20	<p><b>THE VITA-OK PROTOCOL FOR CHRONIC GYNECOLOGICAL PAIN: TOLL-LIKE RECEPTOR TARGETED TREATMENT IN VULVODYNIA</b></p> <p><u>S. Di Franco</u>, A. Alfieri, M. Fiore, S. Canciello, D. Perugini, V. Pota, M.B. Passavanti, C. Aurilio (Italy)</p>

### ACUTE PAIN

P450	21	<p><b>EFFECT OF SINGLE-DOSE DEXAMETHASONE ON ACUTE POSTOPERATIVE PAIN AFTER MAJOR SURGERY</b></p> <p>K. Gogineni, <u>S. Hariharan</u>, D. Chen (Trinidad and Tobago)</p>
P451	22	<p><b>FACTORS RELATED TO AMOUNT OF ANALGESIC REQUIREMENT IN POST-ANESTHESIA CARE UNIT (PACU): A PROSPECTIVE STUDY</b></p> <p><u>S. Nimmaanrat</u>, S. Thinchana, S. Klayna, P. Plunsungket (Thailand)</p>
P452	23	<p><b>INTRAVENOUS OXYCODONE IN PROCEDURAL PAIN</b></p> <p><u>A. Leva</u>, F. Di Zazzo, M. Della Valle, M.C. Pace, M.B. Passavanti, P. Sansone, V. Pota, C. Aurilio (Italy)</p>
P453	24	<p><b>SUPERIORITY OF TRAMADOL/DEXKETOPROFEN ANALGESIA VERSUS TRAMADOL/ PARACETAMOL IS MAINTAINED IN PATIENTS WITH SEVERE ACUTE PAIN</b></p> <p><u>B. Pizà Vallespir</u>, A. Nizzardo, M. Bertolotti, S. Scartoni, M. Miroddi, S. Biliotti, I. Paredes Lario, A. Capriati, A. Pellacani (Spain)</p>
P454	25	<p><b>PERIOPERATIVELY USE OF KETAMINE IN OPIOID DEPENDENT PATIENTS UNDERGOING SPINAL SURGERY: VAS RECORDS AND USE OF MORPHINE RESCUES</b></p> <p><u>U. Rodriguez Rivas</u>, E. Vila Bariuso, D. Amoros Ruiz, S. Aguado Sanchez, A. Montes Perez (Spain)</p>
P455	26	<p><b>PAIN SENSITIVITY MEDIATES THE LINK BETWEEN CATASTROPHIZING AND MILD TRAUMATIC BRAIN INJURY HEAD PAIN FOLLOWING MOTOR VEHICLE COLLISION</b></p> <p><u>M. Granot</u>, D. Yarnitsky, Y. Granovsky, H. Bahouth, S. Fadel, H. Ben Lulu, N. Bosak, C. Buxbaum, P. Kuperman (Israel)</p>
P456	27	<p><b>SUBLINGUAL SUFENTANIL IN ZALVISO SYSTEM FOR KNEE ARTHROPLASTY IN OUR EXPERIENCE. PRELIMINARY RESULTS</b></p> <p>V. Hosta Mateu, <u>C. Congo Silva</u>, M.L. Moret Ferrón, M. Ceballos Burbano, O. Salmerón Zafra, A. Gallego Ledesma, M.J. Miró Domenech, O. Alemany Vilalta, S. Viedma Crespo (Spain)</p>
P457	28	<p><b>INFLUENCE OF ESMOLOL ON POSTOPERATIVE PAIN IN PATIENTS UNDERGOING LUMBAR SURGERY</b></p> <p><u>Y.J. Jeon</u>, J. Joo (Korea, Republic of)</p>
P458	29	<p><b>IMPACT OF INSOMNIA ON ACUTE POSTSURGICAL PAIN: A CASE-CONTROL STUDY</b></p> <p><u>S. Baltali</u>, V. Erden, S. Seven (Turkey)</p>
P459	30	<p><b>POSTOPERATIVE PAIN RESULTS BETWEEN DIFFERENT TYPES OF ANAESTHESIA. PAINOUT STUDY</b></p> <p><u>M.T. Santeularia Verges</u>, B. Abejaro Mut, M. Melo, P. Vallhonrat, M. Argilaga, M.V. Moral, E. Catalá (Spain)</p>

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
P460	31	<p><b>THE PATIENT JOURNEY IN PERIPHERAL NEUROPATHIC PAIN (PNP): REVEALING GAPS BETWEEN GUIDELINES AND REALWORLD PRACTICE</b></p> <p>J. Tempero, C. Butler, H. Blaszcok, <u>Ö. Sancak</u> (<i>Germany</i>)</p>

### PAIN SYNDROMES WALK 10

Chair: J. Van Zundert (*Belgium*)

P461	32	<p><b>POSTOPERATIVE ANALGESIA FOLLOWING SHOULDER ARTHROPLASTY: ROLE OF SUFENTANIL SUBLINGUAL TABLET SYSTEM</b></p> <p><u>F. Coluzzi</u>, M. Scerpa, A. Bramato, C. Paudice, G. Cassoni (<i>Italy</i>)</p>
P462	33	<p><b>ASSESSING PAIN INTENSITY FOR EVALUATION OF ACUTE POSTOPERATIVE PAIN MANAGEMENT - A SYSTEMATIC LITERATURE REVIEW</b></p> <p><u>T.V. Maeßen</u>, H. Mitusch, K. Schnabel, L. Ross, S. Bigalke, C. Meyer-Frießem, P.K. Zahn, H. Liedgens, U. Kaiser, E.M. Pogatzki-Zahn (<i>Germany</i>)</p>
P463	34	<p><b>PAIN AS A FACTOR DETERMINING SLEEP IN ICU IN A HOSPITAL IN NORTHERN POLAND</b></p> <p><u>K. Lewandowska</u>, W. Mędrzycka-Dąbrowska, D. Ozga, A. Basiński (<i>Poland</i>)</p>
P464	35	<p><b>VERY-EARLY ACUTE PRO-NOCICEPTIVE PAIN MODULATION PREDICTS CHRONIC AREA-OF-INJURY PAIN IN MTBI PATIENTS SIX-MONTH POST INJURY</b></p> <p><u>R.M. Cohen</u>, P. Kuperman, D. Yarnitsky, H. Bahouth, C. Ben-Lulu, N. Bosak, C. Buxbaum, S. Fadel, M. Granot, A. Marco, A. Shani, M. Shor, Y. Granovsky (<i>Israel</i>)</p>
P465	36	<p><b>KINESIOPHOBIA CONTRIBUTES TO PAIN-RELATED DISABILITY IN BREAST CANCER SURVIVORS: A CROSS-SECTIONAL STUDY</b></p> <p><u>E. Van der Gucht</u>, L. Dams, M. Meeus, N. Devoogdt, A. Beintema, F. Penen, W. Hoelen, T. De Vrieze, A. De Groef (<i>Belgium</i>)</p>
P466	37	<p><b>NOT JUST CUTTING IT - A NEW FRONTIER IN THE MANAGEMENT OF INTRACTABLE CANCER PAIN</b></p> <p><u>U. Hochberg</u>, R. Tellem, M. Arad, I. Strauss, S. Hazan (<i>Israel</i>)</p>
P467	38	<p><b>FUSION PROTEINS OF ANTI-INFLAMMATORY CYTOKINES TO TREAT CHEMOTHERAPY-INDUCED NEUROPATHY</b></p> <p>J. Prado, E. Tondeur, J. Popov-Celeketic, C. Steen-Louws, S. Versteeg, C.E. Hack, <u>N. Eijkelkamp</u> (<i>Netherlands</i>)</p>
P468	39	<p><b>SEROTONIN RECEPTOR 2A (5-HT<sub>2A</sub>) POLYMORPHISMS ARE ASSOCIATED WITH PINPRICK HYPERALGESIA IN NEUROPATHIC PAIN PATIENTS</b></p> <p><u>J. Sachau</u>, D. May, A. Binder, J. Gierthmühlen, H. Bruckmüller, J. Forstenpointner, J. Koetting, C. Maier, T.R. Tölle, R.-D. Treede, A. Berthele, A. Caliebe, C. Diesch, M. Förster, S. Haenisch, H. Flor, V. Hüge, W. Magerl, C. Maihöfner, D. Naleschinski, H. Richter, R. Rolke, S. Stemmler, N. Üceyler, G. Wasner, A. Westermann, J. Zhou, I. Cascorbi, R. Baron (<i>Germany</i>)</p>

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
<b>CANCER PAIN</b>		
P469	40	<b>SEVEN MONTH-LONG EPIDURAL ADMINISTRATION OF ANALGESICS INTENDED FOR METASTATIC BONE PAIN TREATMENT - A CASE REPORT</b> T. Magdic Turkovic, I. Ivanovski, J. Darapi ( <i>Croatia</i> )
<b>CENTRAL NEUROPATHIC PAIN</b>		
P470	41	<b>MODULATION OF CENTRAL NEUROPATHIC PAIN DEVELOPMENT BY REPEATED MULTIPOLYPHENOLIC EXTRACT TREATMENT DURING THE INJURY ACUTE-PHASE IN SPINAL CORD-INJURED MICE</b> A. Bagó-Mas, M. Deulofeu, J. Homs, N. Fiol, P. Dubový, E. Verdú, P. Boadas-Vaello ( <i>Spain</i> )
P471	42	<b>PREVALENCE OF CENTRAL AND PERIPHERAL NEUROPATHIC PAIN AND IMPACT OF DEPRESSION, ANXIETY AND SLEEP DISORDERS ON THE INTENSITY OF PAIN AND QUALITY OF LIFE</b> M. Dueñas, C. Pérez, A. Salazar, H. De Sola, J.A. Mico, I. Failde ( <i>Spain</i> )
P472	43	<b>LONG-TERM DEEP-TMS DOES NOT NEGATIVELY AFFECT COGNITIVE FUNCTIONS IN STROKE AND SPINAL CORD INJURY PATIENTS WITH CENTRAL NEUROPATHIC PAIN</b> P.M. Lorencini Selingardi, A.L. Lima Rodrigues, V. Silva, D. Toledo Reis Mendes Fernandes, J. Rosí Junior, M.A. Marcolin, L. T. Yeng, A. R. Brunoni, M. Jacobsen Teixeira, R. Galhardoni, D. Ciampi de Andrade ( <i>Brazil</i> )
P473	44	<b>ANTI-GLUTAMATE MECHANISM OF ANALGESIC ACTION OF ANTIDEPRESSANTS AMITRIPTYLINE AND DESIPRAMINE</b> N. Shestakova, D. Belinskaya, S. Boykov, D. Sibarov, Y. Stepanenko, S. Antonov, N. Vanchakova ( <i>Russian Federation</i> )
<b>HEADACHE</b>		
P474	45	<b>CERIVAL PHYSICAL DYSFUNCTION IN PATIENTS WITH CHRONIC PRIMARY HEADACHE. SYSTEMATIC REVIEW AND META-ANALYSIS</b> N. Elizagaray, H. Beltran Alacreu, M. Garrigos, S. Angulo-Díaz- Parreño, A. Gil Martinez ( <i>Spain</i> )
<b>LOW BACK PAIN AND LUMBORADICULAR PAIN</b>		
P475	46	<b>CENTRAL SENSITIZATION, WADDELL'S NON-ORGANIC SIGNS, AND LIFTING CAPACITY IN PATIENTS WITH CHRONIC LOW BACK PAIN</b> J. Ansuategui Echeita, H.R. Schiphorst Preuper, R. Dekker, M.F. Reneman ( <i>Netherlands</i> )
P476	47	<b>IMPACT OF SOCIAL AND PSYCHOLOGICALFACTORS ON PERSONS WITH ACUTE AND CHRONIC LOW BACK PAIN</b> A. Melnic, M. Sangheli, S. Plesca ( <i>Republic of Moldova</i> )

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
P477	48	<p><b>TEMPORAL SUMMATION AND PAIN CATASTROPHIZING IS ASSOCIATED WITH PAIN AFTER 12 WEEKS: A PROSPECTIVE COHORT STUDY OF PATIENTS WITH LOW BACK PAIN IN GENERAL PRACTICE</b></p> <p><u>K.K. Petersen</u>, M.B. Jensen, T. Graven-Nielsen, L.V. Hauerlev, L. Arendt-Nielsen, M.S. Rathleff (<i>Denmark</i>)</p>
P478	49	<p><b>THE INTERACTION BETWEEN PAIN AND SLEEP IN PEOPLE WITH CHRONIC SPINAL PAIN AND COMORBID INSOMNIA: A SYSTEMATIC REVIEW</b></p> <p><u>E. Van Looveren</u>, T. Bilterys, M. Meeus, B. Cagnie, K. Ickmans, A. Malfliet, O. Mairesse (<i>Belgium</i>)</p>
P479	50	<p><b>METHODOLOGY TO ASSESS IMPACT AND BURDEN OF CHRONIC LOW BACK PAIN ON PATIENTS' PHYSICAL AND EMOTIONAL HEALTH-GLOBAL SURVEY OF &gt;9,000 PATIENTS ACROSS 16 COUNTRIES</b></p> <p>J. van Griensven, C. Beck, L. Abraham, S. Wilhelm, C. Constantinescu, V. Carboni, <u>B. Morlion</u> (<i>Belgium</i>)</p>
P480	51	<p><b>RETROSPECTIVE OBSERVATIONAL STUDY TO EVALUETE THE EFFICACY OF RADIOFREQUENCY IN THE TREATMENT OF CHRONIC PHARMACORESISTAN LOW BACK PAIN</b></p> <p><u>A. Corrente</u>, N. Luxardo, A.S. Dinatale, M. Fiore, M.C. Pace, M.B. Passavanti, R. Pirolli, V. Pota, P. Sansone, V. Schettini, C. Aurilio (<i>Italy</i>)</p>
P481	52	<p><b>EFFECT OF COMBINING PULSED RADIOFREQUENCY TREATMENT TO DORSAL ROOT GANGLION WITH TRANSFORAMINAL EPIDURAL STEROID INJECTION IN CHRONIC LUMBAR RADICULAR PAIN</b></p> <p>D. Karakose Caliskan, Y. Selcan, T. Gurkan, <u>A. Gurbet</u> (<i>Turkey</i>)</p>
P482	53	<p><b>A NOVEL COMBINATION EPIDUROSCOPIC LASER NEURAL DECOMPRESSION AND PERCUTANEOUS LASER DISC DECOMPRESSION WITH HO:YAG LASER: A NOVEL TREATMENT METHOD FOR MSU 3AB-CLASSIFIED HERNIATED DISCS</b></p> <p>S.G. Beyaz, <u>A.M. Ülgen</u>, B. Kaya, M.E. İnanmaz, T. Ergonenc, A. Eman (<i>Turkey</i>)</p>

### OROFACIAL PAIN

P483	54	<p><b>CHRONIC STRESS INCREASES THE RISK OF DEVELOPING TEMPOROMANDIBULAR JOINT PAIN IN RATS OF BOTH SEXES</b></p> <p><u>F.B. Zanelatto</u>, W.F. Vieira, C.A. Parada, C.H. Tambeli (<i>Brazil</i>)</p>
P484	55	<p><b>ALTERED PAIN MODULATION TO NOXIOUS HEAT THERMAL STIMULI IN BURNING MOUTH SYNDROME</b></p> <p><u>N. Noma</u>, Y. Imamura (<i>Japan</i>)</p>
P485	56	<p><b>PAIN ASSESSMENT ON THE TONGUE OF RAT BY THE OBSERVATION OF SPONTANEOUS BEHAVIOR AND RESPONSES TO MECHANICAL STIMULATION</b></p> <p><u>K. Matsumoto</u>, H. Oyake, S. Takagi, Y. Oono, L. Arendt-Nielsen, H. Kohase (<i>Japan</i>)</p>

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
<b>PAIN SYNDROMES WALK 11</b>		
Chair: C. Wells ( <i>United Kingdom</i> )		
P486	57	<b>MICROCIRCULATION IN SKIN AND MUSCLE DURING VENOUS STASIS, ARTERIAL ISCHEMIA AND ORTHOSTATIC CHALLENGE IN PATIENTS WITH FIBROMYALGIA AND HEALTHY CONTROLS</b> <i>S. Rehm, J. Sachau, J. Forstenpointner, J. Hellriegel, R. Baron (Germany)</i>
P487	58	<b>DISCORDANCE BETWEEN PATIENT'S AND PHYSICIAN'S GLOBAL ASSESSMENT IN RHEUMATOID ARTHRITIS</b> <i>S. Azevedo, F. Guimarães, D. Santos-Faria, J. Leite Silva, J. Ramos Rodrigues, D. Peixoto, J. Tavares-Costa, S. Alcino, C. Afonso, F. Teixeira (Portugal)</i>
P488	59	<b>THERAPEUTIC EFFECT OF LOW-INTENSITY PULSED ULTRASOUND PHONOPHORESIS WITH DICLOFENAC IN THE ACUTE PHASE OF CARRAGEENAN-INDUCED ARTHRITIS IN RATS</b> <i>R. Sasaki, J. Sakamoto, Y. Kondo, S. Oga, I. Takeshita, K. Ishikawa, Y. Honda, M. Okita (Japan)</i>
P489	60	<b>MULTIPLEX MARKERS EVALUATION OF SERUM INFLAMMATORY CYTOKINES IN KNEE OSTEOARTHRITIC PATIENTS</b> <i>R. Giordano, K.K. Petersen, H.H. Andersen, O. Simonsen, L. Arendt-Nielsen (Denmark)</i>
P490	61	<b>PAIN AND QUALITY OF LIFE IN OSTEOARTHRITIS: RELATIONSHIP WITH DEMOGRAPHIC AND CLINICAL VARIABLES</b> <i>A.A. Küçükdeveci, B. Doganay Erdogan, S. Günes, S. Kutlay (Turkey)</i>
P491	62	<b>CONDITIONED PAIN MODULATION AND OFFSET ANALGESIA AS POSSIBLE PREDICTORS FOR NSAID TREATMENT RESPONSE IN PATIENTS WITH KNEE OSTEOARTHRITIS</b> <i>K. Kjær Petersen, O. Simonsen, A. Estrup Olesen, C. Dahl Mørch, L. Arendt-Nielsen (Denmark)</i>
P492	63	<b>PROFILING OF PAIN AND PHYSICAL FUNCTION IN PATIENTS WITH CHRONIC PAIN FOLLOWING KNEE OSTEOARTHRITIS AND TOTAL KNEE ARTHROPLASTY</b> <i>J.B. Larsen, P. Madeleine, O. Simonsen, L. Arendt-Nielsen (Denmark)</i>
P493	64	<b>NEUROPATHIC PAIN COMPONENT IN PATIENTS WITH CHRONIC OSTEOARTHRITIS OF THE KNEE</b> <i>D. Bibra, G. Dureja, V. Swarnima, S. Hora, V. Tyagi, M. Arora (India)</i>
P494	65	<b>VISUAL CORTICAL EXCITABILITY IN FIBROMYALGIC PATIENTS: A STUDY WITH SOUND INDUCED FLASH ILLUSION</b> <i>G. Damerino, A. Torrente, R. Aronica, S. Scardina, S. Ferlisi, L. Pilati, S. Di Marco, M. Aprile, N. Bolognini, G. Guggino, F. Brighina (Italy)</i>

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
<b>OSTEOARTHRITIS, RHEUMATOID ARTHRITIS</b>		
P495	66	<b>PAIN AND FATIGUE IN EARLY RHEUMATOID ARTHRITIS - A CROSS-SECTIONAL STUDY</b> <i>O.S. Ifesemen, D.F. McWilliams, A. Young, P.D.W. Kiely, D.A. Walsh (United Kingdom)</i>
P496	67	<b>INTRA-ARTICULAR GOLD MICRO PARTICLES AND HYALURONIC ACID IMPROVE OSTEOARTHRITIC PAIN AND SOCIAL FUNCTION. A PILOT STUDY</b> <i>S. Rasmussen (Denmark)</i>
P497	68	<b>EFFECTS OF MUSCLE CONTRACTION EXERCISE ON PAIN RELIEF, SYNOVITIS AND SPINAL SENSITIZATION IN RAT OSTEOARTHRITIS MODEL</b> <i>J. Sakamoto, Y. Kondo, Y. Sakamoto, R. Sasaki, Y. Honda, H. Kataoka, M. Okita (Japan)</i>
P498	69	<b>PRE-TREATMENT EXERCISE-INDUCED HYPOALGESIA IS ASSOCIATED WITH PAIN AFTER STANDARDIZED EXERCISE THERAPY IN PAINFUL KNEE OSTEOARTHRITIS PATIENTS - AN EXPLORATIVE STUDY</b> <i>S. Hansen, H.B. Vaegter, K.K. Petersen (Denmark)</i>
P499	70	<b>LIPID PROFILE IN RHEUMATOID ARTHRITIS PATIENTS AND ITS RELATION TO DISEASE ACTIVITY</b> <i>P. Gupta (India)</i>
P500	71	<b>ELECTRODIAGNOSTIC TEST IS SIGNIFICANTLY CORRELATED WITH STRENGTH AND PERFORMANCE IN HAND OSTEOARTHRITIS</b> <i>S.H. Im, M.C. Ha, E.Y. Han (Korea, Republic of)</i>
<b>PAIN SYNDROMES WALK 12</b>		
		Chair: E. Eisenberg ( <i>Israel</i> )
P501	72	<b>AQUAPORIN1 CONTRIBUTES TO THE PERCEPTION OF ACUTE MECHANICAL PAIN VIA THE REGULATION OF AN UNKNOWN MECHANOTRANSDUCER</b> <i>A.M. Fuller, J.E. Sexton, A.P. Luiz, J.N. Wood (United Kingdom)</i>
P502	73	<b>BIOMARKERS OF CHRONIC PAIN: LEVELS OF PROINFLAMMATORY BIOMARKERS IN THE CEREBRAL SPINAL FLUID AND QUANTITATIVE SENSORY TESTS IN PATIENTS WITH FIBROMYALGIA AND HEALTHY VOLUNTEERS</b> <i>M. Blichfeldt-Eckhardt, L. Bendix, E. McGehee, H. Vægter (Denmark)</i>
P503	74	<b>EVALUATION OF PAIN ASSESSMENT, REASSESSMENT AND PHARMACOLOGICAL TREATMENT IN HOSPITALIZED CHILDREN THROUGH AN ELECTRONIC HEALTH RECORD LINKING CARE ACTIVITIES WITH MEDICATION ORDERING AND ADMINISTRATION</b> <i>K. Vanhonsbrouck, S. Jacobs, G. Buysse, K. Vanhaecht, L. Bruyneel (Belgium)</i>
P504	75	<b>PAIN IN CHILDREN AND ADOLESCENTS WITH CEREBRAL PALSY</b> <i>A. Burman Rimstedt, G. Klevberg, K. Nordbye-Nielsen, G. Jonsdóttir, A. Alriksson-Schmidt, I. Jeglinsky, R. Jahnsen (Sweden)</i>

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
P505	76	<p><b>BIOPSYCHOSOCIAL MODEL FOR A MULTIDISCIPLINARY PERIOPERATIVE CARE PATHWAY IN PATIENTS UNDERGOING POSTERIOR SPINAL FUSION SURGERY FOR ADOLESCENT IDIOPATHIC SCOLIOSIS</b></p> <p><u>C. Spaas</u>, T. Schepens, G. Hans, S. De Backer, D. Wildemeersch, J. Michielsen, J. Gios, V. Saldien, L. Bernaerts (<i>Belgium</i>)</p>

### PAIN IN THE NECK AND CERVICORADICULAR PAIN

P506	77	<p><b>CHANGES IN PAIN SENSITIVITY AND CONDITIONED PAIN MODULATION DURING RECOVERY FROM ACUTE WHIPLASH ASSOCIATED DISORDERS - PRELIMINARY RESULTS</b></p> <p><u>P. Bellosta-López</u>, T.S. Palsson, V. Doménech, P. Herrero, S.W. Christensen (<i>Spain</i>)</p>
P507	78	<p><b>THE EFFECT OF ADDING DEXAMETHASONE TO BUPIVACAINE ON THE DURATION OF POSTOPERATIVE ANALGESIA AFTER ULTRASOUND-GUIDED QUADRATUS LUMBORUM BLOCKS ANALGESIA IN CHILDREN AFTER ABDOMINAL OPERATION</b></p> <p><u>D. Dmytriiev</u>, B. Zaletskyi (<i>Ukraine</i>)</p>
P508	79	<p><b>DIFFERENCES IN SENSORIMOTOR CONTROL AND UPPER CERVICAL MOBILITY BETWEEN PATIENTS WITH NECK PAIN WITH AND WITHOUT ALTERED JOINT POSITION SENSE: A CROSS-SECTIONAL STUDY</b></p> <p><u>C. Murillo</u>, E. Lluch, J. Peral, B. Cagnie, D. Falla, J. Treleaven (<i>Belgium</i>)</p>
P509	80	<p><b>COMPARISON OF SCAPULAR POSITION, DEEP NECK FLEXOR MUSCLE ENDURANCE AND UPPER LIMB STABILITY IN YOUNG FEMALE STUDENTS WITH AND WITHOUT NECK PAIN</b></p> <p>E. Aslan Telci, C. Özcanli, B. Karagoz, R. Oz, S. Erel, <u>F. Yazar</u> (<i>Turkey</i>)</p>
P510	81	<p><b>CHANGE IN SEVERITY OF PAIN AFTER EPIDUROLYSIS TREATMENT</b></p> <p><u>J. KOGLER</u>, M. Palian, L. Radovan, S. Mihaljević (<i>Croatia</i>)</p>

### PERIPHERAL NEUROPATHIC PAIN

P511	82	<p><b>ANALGESIC EFFECT OF THE TRAZODONE-GABAPENTIN COMBINATION IN THE CHRONIC CONSTRICTION INJURY RAT MODEL</b></p> <p><u>B. Garrone</u>, A. di Matteo, A. Amato, L. Pistillo, F.P. Di Giorgio, S. Tongiani (<i>Italy</i>)</p>
P512	83	<p><b>THE INVOLVEMENT OF P2X4 AND P2X7 PURINERGIC RECEPTORS OF DORSAL ROOT GANGLIA ON PACLITAXEL-INDUCED NEUROPATHIC PAIN</b></p> <p><u>S.F. Magalhães</u>, G.F. Catroli, S.R. Consonni, C.A. Parada (<i>Brazil</i>)</p>
P513	84	<p><b>DORSAL ROOT GANGLION RADIOFREQUENCY THROUGH INTRACANAL APPROACH FOR TREATMENT OF REFRACTORY THORACIC POSTHERPETIC NEURALGIA</b></p> <p><u>J.J. Amate Pena</u>, G. Illodo Miramontes, A. Garcia Muñoz, S. Picallo Vieito (<i>Spain</i>)</p>
P514	85	<p><b>HEPATIC INJURY AGGRAVATES OXALIPLATIN-INDUCED PERIPHERAL NEUROPATHY IN MICE: POSSIBLE INVOLVEMENT OF HMGB1</b></p> <p><u>R. Domoto</u>, R. Fukda, F. Sekiguchi, M. Tsubota, M. Nishibori, A. Kawabata (<i>Japan</i>)</p>



## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
P515	86	<b>EFFECTS OF TREATMENT WITH HYDROGEN SULFIDE-RELEASING MOLECULES ON THE NOCICEPTIVE AND DEPRESSIVE-LIKE RESPONSES ACCOMPANYING PERSISTENT NEUROPATHIC PAIN IN MICE</b> L. Cabarga, G. Batallé, <u>O. Pol</u> ( <i>Spain</i> )

### VISCERAL PAIN

P516	87	<b>VISCERAL PAIN ASSOCIATES WITH CINGULATE GLUTAMATE LEVEL IN CHRONIC PANCREATITIS PATIENTS</b> <u>J.A. Muthulingam</u> , T.M. Hansen, A.M. Drewes, S.S. Olesen, J.B. Frøkjær ( <i>Denmark</i> )
P517	88	<b>EFFECTS OF GENDER IN TWO MODELS OF VISCERAL PAIN INDUCED BY COLORECTAL DISTENSION (CRD) IN THE RAT</b> <u>C. Le Cudennec</u> , L. Barrais, S. Bezivin, D. Babin, E. Gascoin, V. Léon, V. Castagné ( <i>France</i> )

### WIDESPREAD PAIN

P518	89	<b>DO FIBROMYALGIA SYNDROME (FMS) PATIENTS NEED A DIAGNOSIS-SPECIFIC PAIN MANAGEMENT PROGRAMME (PMP)?</b> <u>S. Bhat</u> , L. Williams ( <i>United Kingdom</i> )
P519	90	<b>DECREASED FORCED EXPIRATION AND THORACIC MOBILITY IN PEOPLE WITH FIBROMYALGIA</b> <u>K. Jonsson</u> , M. Peterson ( <i>Sweden</i> )
P520	91	<b>REHABILITATION WITH CULTURAL ACTIVITIES FOR PATIENTS WITH CHONIC PAIN NEEDING A LANGUAGE INTERPRETER, CO-OPERATION PROJECT BETWEEN A REHABILITATION CLINIC AND THE COUNTY CULTURE ADMINISTRATION</b> <u>M. Löfgren</u> ( <i>Sweden</i> )

### ANATOMY AND PHYSIOLOGY SOMATOSENSORY SYSTEM

P521	92	<b>EXPERIENCES OF STAY AT PATIENT HOTEL DURING PARTICIPATION IN A MULTIMODAL PAIN REHABILITATION PROGRAMME IN NORTHERN SWEDEN - A QUALITATIVE STUDY</b> <u>L. Spinord</u> , A.-C. Kassberg, B.-M. Stålnacke, G. Stenberg ( <i>Sweden</i> )
P522	93	<b>OXIDATION GATES THE HIGH-THRESHOLD HEAT-SENSITIVE ION CHANNEL TRPV2</b> <u>T. Fricke</u> , F. Echtermeyer, J. Zielke, J. de la Roche, M. Filipovic, C. Herzog, M. Tominaga, P. Zygmunt, A. Leffler, M. Eberhardt ( <i>Germany</i> )
P523	94	<b>ALPHA BAND POWER FOCAL CHANGES DURING THE SHORT-TERM MEMORISATION OF PAIN: A HIGH-DENSITY EEG STUDY WITH SOURCE LOCALISATION</b> <u>A. Caldichoury</u> , S. Corvin, A. Andrieux, L. Garcia-Larrea, M. Frot ( <i>France</i> )
P524	95	<b>TEMPERATURE EFFECTS ON ACTIVITY OF PRIMARY NOCICEPTOR NEURONS UNDER INFLAMMATORY CONDITIONS</b> <u>S. Korogod</u> , N. Korogod, E. Opsommer ( <i>Ukraine</i> )

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
P525	96	<b>BILATERAL SENSORY DEFICITS AND WIDESPREAD HYPERALGESIA FOLLOWING DELAYED ONSET MUSCLE SORENESS OF THE QUADRICEPS</b> <u>C. Courtney</u> , K. Aoyagi, C. Fernández-de-las-Peñas, P. Madeleine ( <i>United States</i> )
P526	97	<b>PRESYNAPTIC FEEDBACK SYSTEM OF OXYTOCIN-ERGIC NEURONS IN THE HYPOTHALAMUS OF ADJUVANT ARTHRITIC RATS</b> <u>T. Matsuura</u> , T. Fujitani, M. Kawasaki, H. Suzuki, Y. Ueta, A. Sakai ( <i>Japan</i> )
P527	98	<b>ASSOCIATIONS BETWEEN SELECTED GENETIC VARIANTS AND EXPERIMENTAL PAIN SENSITIVITY AND PAIN MODULATION</b> <u>M.U. Lie</u> , B. Winsvold, J. Gjerstad, D. Matre, L.M. Pedersen, I. Heuch, J.-A. Zwart, K.B. Nilsen ( <i>Norway</i> )
P528	99	<b>NOCICEPTOR ACTIVATION DURING CUTANEOUS LASER STIMULATION DEPENDS MORE ON SKIN TYPE AND LASER WAVELENGTH THAN INNERVATION - INVESTIGATED USING AN EXPERIMENTAL AND MATHEMATICAL MODELLING APPROACH</b> <u>K.S. Frahm</u> , S. Gervasio, F. Arguissain, A. Mouraux ( <i>Denmark</i> )
P529	100	<b>EVALUATION OF THE ANALGESIC ACTION OF THE COMBINATION CYCLOBENZAPRINE HYDROCHLORIDE, LIDOCAINE AND PIROXICAM IN MICE USING THE HOT PLATE TEST</b> <u>R.-N. Rusu</u> , V. Bild, S. Beschea-Chiriac, D.C. Ababei, W. Bild ( <i>Romania</i> )
P530	101	<b>ACTIVATION OF GLIAL CELLS AND UPREGULATION OF CX3CL1/CX3CR1 IN THE ANTERIOR CINGULATE CORTEX OF CHRONIC NEUROPATHIC PAIN MODEL INDUCED BY THE SPINAL CORD INJURY</b> <u>P. Dubový</u> , A. Bagó, N. Urbanská, M. Fugueras, E. Verdú, P. Boadas ( <i>Czech Republic</i> )
P531	102	<b>SPINAL TRPM3 IS INVOLVED IN MEDIATING THE HYPERSENSITIVITY EFFECT INDUCED BY SPHINGOLIPIDS IN THE RAT</b> <u>H. Wei</u> , Z. Chen, H. Chapman, N. Jalava, A. Koivisto, A. Pertovaara ( <i>Finland</i> )
P532	103	<b>ENDOGENOUS DESCENDING INHIBITION IN EFFECTS OF INTRAMUSCULAR HEATING-NEEDLE STIMULATION IN FREUND'S ADJUVANT-INDUCED MUSCLE NOCICEPTION IN RATS</b> <u>J. Lei</u> , A. Pertovaara, H.-J. You ( <i>China</i> )

### BIOLOGY

P533	104	<b>BLOCKADE OF NEURONAL MINCLE-SYK SIGNALING IN SPINAL CORD ATTENUATES MECHANICAL ALLODYNIA IN PERIPHERAL NERVE INJURY-INDUCED PAIN OF RAT</b> <u>J. Choi</u> , J. Yang, Y.O. Kim, W.M. Kim, H.G. Lee, S. Jeong ( <i>Korea, Republic of</i> )
P534	105	<b>A PROTEOMIC INVESTIGATION OF SYNOVIAL FLUID IN PATIENTS WITH KNEE OSTEOARTHRITIS TREATED WITH INTRA-ARTICULAR METALLIC GOLD MICRO PARTICLES</b> <u>S. Rasmussen</u> , M.K. Kristiansen, J.S. Andersen, J.B. Hansen, K.K. Petersen, L. Arendt-Nielsen, A. Stensballe ( <i>Denmark</i> )

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
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### DEFINITION AND CLASSIFICATION

- P535 106 **A CASE-CONTROL STUDY OF INFLAMMATION IN FIBROMYALGIA: LOOKING FOR COFACTORS BEYOND FIBROMYALGIA DIAGNOSIS**  
L. Andrés-Rodríguez, A. Pérez-Aranda, A. Feliu-Soler, X. Borràs, N. Angarita-Osorio, A. Rozadilla-Sacanell, M.T. Peñarrubia-María, B. Arranz, S. Vicedo, J. Montero-Marin, J.V. Luciano, M. Maes (*Spain*)

### DIGITIZATION IN PAIN MANAGEMENT

- P536 107 **MOBILE APPLICATIONS FOR THE MANAGEMENT OF PEDIATRIC PAIN: WHAT QUALITY CRITERIA?**  
P. Llorens-Vernet, J. Miró (*Spain*)

### BASICS IN PAIN WALK 3

Chair: T. Toelle (*Germany*)

- P537 108 **CHEMOGENETIC APPROACH IN TREATMENT OF TRIGEMINAL PAIN**  
O. Korczeniewska, M. James, J. Khan, G. Aston-Jones, R. Benoliel (*United States*)
- P538 109 **NON-HISTAMINERGIC ITCH IS ACCOMPANIED BY THERMAL AND MECHANICAL HYPERALGESIA: THE ROLE OF TRPA1 CHANNEL**  
M. Tsagareli, I. Nozadze, G. Gurtskaia, N. Tsiklauri (*Georgia*)
- P539 110 **MODULATING CORTICAL RESPONSE TO PAIN BY RESPIRATORY SINUS ARRHYTHMIA BIOFEEDBACK**  
C. Perchet, A.-N. Heizmann, A. Rey, L. Garcia-Larrea, S. Mazza (*France*)
- P540 111 **SLEEP QUALITY AND OPIOID CRAVING AMONG PATIENTS WITH CHRONIC PAIN AND PRESCRIBED OPIOID THERAPY: EXPLORATION OF POTENTIAL MEDIATORS**  
A. Herrero Babiloni, L. Frimerman, C. Fournier, E. Coutu-Nadeau, A. Ross, G. Lavigne, M.O. Martel (*Canada*)
- P541 112 **MODULATION OF PAIN PROCESSING DURING MOVEMENT PREPARATION AND EXECUTION**  
E. Pinto, A. Clauwaert, S. Van Damme (*Belgium*)
- P542 113 **RESPONSES TO UNCERTAINTY IN THE FACE OF PAIN: ON THE RELATIONSHIPS BETWEEN PAIN CATASTROPHIZING, INTOLERANCE OF UNCERTAINTY AND DECISION MAKING**  
M. Schrooten, M. Hanssen, K. Boersma (*Sweden*)
- P543 114 **LONGITUDINAL ASSOCIATION BETWEEN HABITUAL PHYSICAL ACTIVITY AND PAIN TOLERANCE IN A POPULATION-BASED COHORT - THE TROMSØ STUDY 2007-2015**  
A. Årnes, M. Kirkeby Fjeld, A. Johansen, B. Morseth, C.S. Nielsen, B.H. Strand, A. Stubhaug, T. Wilsgaard, Ó.A. Steingrimsdóttir (*Norway*)

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
P544	115	<b>IS SLEEP PREDICTING CHRONIC PAIN IN A COHORT OF YOUNG ADULTS?</b> S. Hulot, <u>A. Grimby-Ekman</u> , H. Sandén, S. Thomée, M. Hagberg ( <i>Sweden</i> )
P545	116	<b>PREDICTING ACUTE PAIN TRAJECTORIES AFTER JOINT ARTHROPLASTY: THE ROLE OF PRE-SURGICAL AND POST-SURGICAL BIOPSYCHOSOCIAL FACTORS</b> <u>E.M. Giusti</u> , M. Lacerenza, G. Castelnuovo ( <i>Italy</i> )

### SOCIETAL IMPACT

P546	117	<b>ATTRIBUTABLE COSTS OF PAIN IN SPAIN</b> <u>M. Alonso-García</u> , A. Sarría-Santamera ( <i>Spain</i> )
P547	118	<b>THE BURDEN OF CHRONIC PAIN PATIENTS</b> <u>T.P.M. Lindfors</u> , K.E. Nurmi, H.M. Karvonen, S. Leppämäki, P. Aarva, T. Tuuminen ( <i>Finland</i> )
P548	119	<b>SOCIETAL IMPACT OF PAIN (SIP) - EXPERIENCES FROM A SIP NATIONAL PLATFORM (NP) IN PORTUGAL</b> <u>A.M. Pedro</u> , M.T. Flor de Lima, R. Tinoco, H. Tadeusz ( <i>Portugal</i> )

### CLINICAL DIAGNOSTICS FOR THE ASSESSMENT OF PAIN

P549	120	<b>EXPANDED PRESSURE-INDUCED REFERRED PAIN AFTER A RECOVERED DISTAL RADIUS FRACTURE</b> <u>V. Doménech</u> , T.S. Palsson, S.A. Boudreau, P. Bellosta-López, P. Herrero, T. Graven-Nielsen ( <i>Spain</i> )
P550	121	<b>A CUMULATIVE IMPACT OF PSYCHOLOGICAL AND SENSITIZATION RISK FACTORS ON PAIN-RELATED OUTCOMES</b> <u>Z. Uddin</u> , A. Woznowski-Vu, D. Flegg, A. Aternali, T. Wideman ( <i>Canada</i> )

### EPIDEMIOLOGY

P551	122	<b>CHARACTERISATION OF CONSTIPATION ASSOCIATED WITH PRESCRIBED OPIOID EXPOSURE IN THE UNITED KINGDOM</b> C. Morgan, <u>P. Conway</u> , C. Currie, R. Knaggs ( <i>United Kingdom</i> )
P552	123	<b>PREVALENCE OF CHRONIC PAIN IN ISRAEL - AN INTERNET-BASED SURVEY</b> <u>H. Sharon</u> , S. Brill ( <i>Israel</i> )

### ORGANISATION OF CLINICAL PAIN CARE

P553	124	<b>CHALLENGES IN SETTING UP A PAIN DATABASE IN SINGAPORE</b> D. Khoo, Y.C. Tay, <u>E. Tan Sein Jieh</u> ( <i>Singapore</i> )
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## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
<b>ORGANISATION OF RESEARCH IN PAIN</b>		
P554	125	<b>CREATING A REGISTRY OF PAIN REGISTRIES</b> <u>E. Whitaker</u> , C. Price, W. Meissner, B. Scriba, B. Meissner, R. Zaslansky ( <i>United Kingdom</i> )
P555	126	<b>INHIBITION OF SOLUBLE EPOXIDE HYDROLASE PREVENTS LIPOPOLYSACCHARIDE-INDUCED INFLAMMATORY HYPERALGESIA IN MICE: CONTRIBUTION OF NLRC4 INFLAMMASOME, NLRC3, NOX, INOS, AND NNOS</b> A. Cagli, <u>S.P. Senol</u> , M. Temiz-Resitoglu, D.S. Guden, A.N. Sari, S. Sahan-Firat, B. Tunctan ( <i>Turkey</i> )
<b>PSYCHOLOGY</b>		
P556	127	<b>THE RELATIONSHIP OF FLOURISHING AND TENACIOUS PURSUIT GOALS TO FUNCTIONING AND HEALTHCARE USE IN CHRONIC MUSCULOSKELETAL PAIN PATIENTS</b> G.T. Ruiz-Párraga, <u>E.R. Serrano-Ibáñez</u> , R. Esteve, A.E. López-Martínez, H. González, F. Pérez, C. Ramírez-Maestre ( <i>Spain</i> )
P557	128	<b>ASSOCIATION BETWEEN RELIGIOUS AND SPIRITUAL BELIEFS &amp; COPING RESPONSES AND PAIN-RELATED BELIEFS IN INDIVIDUALS WITH CHRONIC PAIN</b> C. Damião, <u>A. Ferreira-Valente</u> , J. Pais-Ribeiro, M. P. Jensen ( <i>Portugal</i> )
P558	129	<b>CAN VERBAL SUGGESTION ABOLISH THE EFFECT OF CLASSICAL CONDITIONING ON PLACEBO ANALGESIA AND NOCEBO HYPERALGESIA?</b> <u>E.A. Bajcar</u> , K. Wiercioch-Kuzianik, W.M. Adamczyk, D. Farley, E. Buglewicz, J. Nastaj, H. Bieniek, J. Brączyk, P. Bąbel ( <i>Poland</i> )
P559	130	<b>THE EFFECT OF PAIN ON FOUR ASPECTS OF WORKING MEMORY</b> <u>N.G. Niederstrasser</u> , I. Xenidou-Dervou, N. Attridge ( <i>United Kingdom</i> )
P560	131	<b>DIFFERENT PAIN - DIFFERENT BRAIN? A COMPARISON OF COGNITIVE IMPAIRMENTS IN PATIENTS WITH PERIPHERAL NEUROPATHIC PAIN AND FIBROMYALGIA</b> <u>H. Jacobsen</u> , T. Stiles, P. Hansson, A. Stubhaug, N.I. Landrø ( <i>Norway</i> )
P561	132	<b>THE ROLE OF CLASSICAL CONDITIONING IN ELICITING SOMATOSENSORY EXPERIENCES: PRELIMINARY EVIDENCE AGAINST THE CONDITIONED "EXPERIENCE OF TOUCH"</b> <u>S. Kang</u> , L. Van der Biest, D. Van Ryckeghem, G. Crombez ( <i>Belgium</i> )
P562	133	<b>DOES INVALIDATION FACILITATE NOCEBO-LIKE EFFECTS ON PAIN?</b> <u>M. Schrooten</u> , J. Carstens ( <i>Sweden</i> )
P563	134	<b>IS PAIN MEDICATION PRESCRIBED ACCORDING TO PATIENTS' INTENSITY OF PAIN OR TO THEIR RESPECTIVE PSYCHOLOGICAL DIFFERENCES?</b> <u>E.R. Serrano-Ibáñez</u> , Á. Reyes Pérez, M. Fernández-Baena, C. Núñez Parra, L. Cozar, G.T. Ruiz-Párraga, A.E. López-Martínez, R. Esteve, C. Ramírez-Maestre ( <i>Spain</i> )
P564	135	<b>HOW RELIABLE IS PAIN'S EFFECT ON ARITHMETIC? A REPLICATION AND TEST-RETEST ANALYSIS</b> <u>J. Pickering</u> , N. Attridge, M. Inglis ( <i>United Kingdom</i> )

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
<b>LATE BREAKING DIAGNOSIS AND THERAPY GUIDED POSTER WALK</b>		
		Chair: S. Ward ( <i>United Kingdom</i> )
P565	136	<b>PLACEBO ANALGESIA IN VIRTUAL AND AUGMENTED REALITY</b> J. Ho, P. Krummenacher, P. Brugger, B. Lenggenhager ( <i>Switzerland</i> )
P566	137	<b>PREDICTIVE VALIDITY OF CONDITIONED PAIN MODULATION (CPM) AS A BIOMARKER OF CHRONIC PAIN: A SYSTEMATIC QUALITATIVE REVIEW</b> M.T. Carrillo-de-la-Peña, N. Samartin-Veiga, M. Pidal-Miranda, C. Fernandes ( <i>Spain</i> )
P567	138	<b>EHEALTH BASED TREATMENT WITH A MULTIDISCIPLINARY MEDICAL APP VERSUS STANDARD OF CARE IN LOW BACK PAIN: FIRST DATA OF THE RISE-UP PROJECT IN GERMANY</b> J.A. Priebe, D. Utpadel-Fischler, K.K. Haas, C. Schiessl, L. Kerkemeyer, S. Jedamzik, V. Amelung, J. Reichmann, T.R. Toelle ( <i>Germany</i> )
P568	139	<b>VOLUNTARY FORELIMBS EXERCISE REDUCES IMMOBILIZATION-INDUCED MECHANICAL HYPERALGESIA IN THE RAT HIND PAW</b> K. Ishikawa, Y. Tong, R. Sasaki, I. Takeshita, K. Goto, Y. Honda, H. Kataoka, J. Sakamoto, M. Okita ( <i>Japan</i> )
P569	140	<b>EFFECTS OF VIRTUAL REALITY THERAPY ON UPPER EXTREMITY PAIN AND FUNCTIONALITY AFTER BREAST CANCER SURGERY</b> Ö. Feyzioglu, Ö. Öztürk, Z.C. Algun ( <i>Turkey</i> )
P570	141	<b>HOW CONTINUOUS PAIN IS TRANSFORMED INTO A SINGLE RATING</b> N. Hipp, B. Horing, C. Büchel ( <i>Germany</i> )
P571	142	<b>HERBAL MEDICINE IN PEDIATRIC ONCOLOGY</b> A.C. Rocha, P. Abreu ( <i>Portugal</i> )
P572	143	<b>INTRAOPERATIVE PARESTHESIA-MAPPING IS NOT REQUIRED FOR LEAD PLACEMENTS INVOLVING BURSTDR STIMULATION: RESULTS OF THE PROSPECTIVE, MULTICENTER, RANDOMIZED, DOUBLE-BLINDED CRISP STUDY</b> A. Al-Kaisy, G. Baranidharan, S. Palmisani, D. Pang, O. Will, S. Wesley, K. Sanderson, T. Crowther, K. Ward, P. Castino, A. Raza, F. Agnesi ( <i>United Kingdom</i> )
P573	144	<b>IS IT A PAINFUL ERROR? THE EFFECT OF UNPREDICTABLE AND PREDICTABLE PAIN ON THE ERROR-RELATED NEGATIVITY</b> A. Willems, V. Jelincić, J.W. Vlaeyen, A. Von Leupoldt, D. Torta ( <i>Belgium</i> )
P574	145	<b>INVESTIGATING THE INTERPLAY BETWEEN ERROR-PROCESSING AND CENTRAL SENSITIZATION</b> B. Kempen, A. Von Leupoldt, J.W. Vlaeyen, D. Torta ( <i>Belgium</i> )

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
<b>INSTRUMENTS FOR THE ASSESSMENT OF PAIN</b>		
P575	146	<b>EXPERIMENTAL INDUCTION OF PARESTHESIA BY NOXIOUS STIMULI: PRELIMINARY DATA</b> W. Adamczyk, T. Szikszay, A. Bieniek, P. Wodarski, K. Luedtke ( <i>Poland</i> )
P576	147	<b>MEASURING THERMAL SENSITIVITY AT THE RECEPTORS' DEPTH: VALIDATION OF A HEAT TRANSFER MODEL OF THE SKIN WITH HIGH TEMPORAL RESOLUTION STIMULI</b> S. Lithfous, O. Despres, T. Pebayle, A. Dufour ( <i>France</i> )
P577	148	<b>ABBEY PAIN SCALE FOR ASSESSMENT OF HIP FRACTURE - RELATED PAIN IN PATIENTS WITH DIFFICULT COMMUNICATION</b> Z. Loncar, M. Domijan, S. Baretta, M. Jerlekovic ( <i>Croatia</i> )
P578	149	<b>THE IMPROVED LASER-EVOKED POTENTIALS HABITUATION PARADIGM</b> A.C. Muntean, D. Dodurgali, S.C. Fabig, J. Sachau, J. Forstenpointner, R. Baron, P. Hüllemann ( <i>Germany</i> )
P579	150	<b>DIFFERENCE IN PAIN SCORE BETWEEN HEALTH PROFESSIONAL AND PATIENT ASSESSED PAIN</b> P. Skrejborg, K.K. Petersen, M. Laursen, L.A. Nielsen ( <i>Denmark</i> )
P580	151	<b>MEASUREMENT PROPERTIES OF THE ARABIC LEEDS ASSESSMENT OF NEUROPATHIC SYMPTOMS AND SIGNS (A-LANSS) PAIN SCALE: A SECONDARY ANALYSIS</b> O. Tashani, S. Garoushi, G. Tabasam, M.I. Johnson ( <i>United Kingdom</i> )
P581	152	<b>THE EFFECTS OF TRAINING AIMED TO INCREASE PAIN-REPORTING ACCURACY ON THE PLACEBO RESPONSE</b> E. Matta, L. Honigman, I. Asaad, R. Treister ( <i>Israel</i> )
P582	153	<b>ON THE VALIDITY OF COMMONLY USED PAIN INTENSITY SCALES: WHAT DO THEY ASSESS IN ADDITION TO THE INTENSITY OF PAIN?</b> J. Miró, R. Roy, E. Castarlenas, E. Sánchez-Rodríguez, E. Solé, M. Jensen ( <i>Spain</i> )
<b>DIAGNOSIS AND MEASUREMENT IN PAIN WALK 3</b>		
		Chair: D. Bouhassira ( <i>France</i> )
P583	154	<b>DISTINCT CLUSTERS OF PAIN DISTRIBUTION PATTERNS IN FOOTBALL PLAYERS WITH HIP-RELATED PAIN</b> S.A. Boudreau, J. Heerey, A. Cid Royo, M.G. King, P.R. Lawrenson, M.J. Scholes, J.L. Kemp, K.M. Crossley ( <i>Denmark</i> )
P584	155	<b>QUALITY OF CHRONIC NON-CANCER PAIN MEASUREMENT INSTRUMENTS. SYSTEMATIC REVIEW</b> C.-M. Rocio, E. Gil-García, A. Cabrera-León, A.M. Porcel-Gálvez, S. Barrientos-Trigo ( <i>Spain</i> )

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
P585	156	<b>DEVELOPMENT AND VALIDATION OF CHILD-ADAPTED SCALES TO ASSESS FEAR AND AVOIDANCE IN CHILDREN WITH FUNCTIONAL ABDOMINAL PAIN DISORDERS</b> <u>M. Lalouni</u> , O. Olén, J. Bjureberg, M. Bonnert, E. Hedman-Lagerlöf, E. Serlachius, B. Ljótsson (Sweden)
P586	157	<b>SUB-GROUPING HEALTHY SUBJECTS' SENSITIVITY TO PAIN AND ITS RELATIONSHIP TO PERSONALITY TRAITS</b> <u>H. Grouper</u> , E. Eisenberg, D. Pud (Israel)
P587	158	<b>ASSESSING PAIN-RELATED SELF-EFFICACY AFTER SURGERY AS A PATIENT-RELATED OUTCOME MEASURE - A SYSTEMATIC LITERATURE REVIEW</b> K. Schnabel, <u>U. Kaiser</u> , T.V. Maeßen, H. Liedgens, E.M. Pogatzki-Zahn (Germany)
P588	159	<b>PHYSIOLOGICAL STRESS RESPONSES TO FEAR LEARNING IN YOUTH WITH CHRONIC PAIN: SALIVARY CORTISOL ASSESSMENT</b> <u>I. Timmers</u> , C. Soares, L. Heathcote, C. Quaedflieg, L. Simons (United States)
P589	160	<b>THE EFFECT OF PSYCHOLOGICAL STRESS ON PAIN SENSITIVITY IN HEALTHY PEOPLE</b> <u>M.G.C.A.M. Mertens</u> , F. Struyf, L. Hermans, M. Meeus (Belgium)
P590	161	<b>NEURAL NETWORK CHANGES IN FIBROMYALGIA - INSULA INVESTIGATED</b> <u>H. van Ettinger-Veenstra</u> , R. Wicksell, B. Gerdle (Sweden)
P591	162	<b>UNIQUE ELECTRICAL STIMULATION FOR ACUTE PAIN STUDIES COMPATIBLE WITH MAGNETOENCEPHALOGRAPHY</b> <u>I.M. Tarkka</u> , S. McLellan, M. Koskio, P. Hautasaari (Finland)
P592	163	<b>MORPHOLOGICAL BRAIN ALTERATIONS IN SUBGROUPS OF FIBROMYALGIA PATIENTS</b> <u>H.-C. Aster</u> , G. Homola, D. Evdokimov, A. Braun, N. Üçeyler, T. Kampf, M. Pham, C. Sommer (Germany)

### MEASUREMENT OF PSYCHOSOCIAL ASPECTS OF PAIN

P593	164	<b>THE NORWEGIAN INJUSTICE EXPERIENCE QUESTIONNAIRE: TRANSLATION AND VALIDATION THROUGH INTERVIEWS AND REGISTRY DATA</b> <u>T.M. Ljosaa</u> , H. Svardal Berg, H. Borsting Jacobsen, L.-P. Granan, S. Endresen Reme (Norway)
P594	165	<b>THE PREVALENCE OF ANXIETY, DEPRESSION, CATASTROPHIZING AND KINESIOPHOBIA IN PATIENTS WITH CHRONIC PAIN REFERRED TO A TERTIARY HOSPITAL</b> <u>H.W.A. Walravens</u> , P.S. van der Wal, J.F.M. van Dijk, M. Rijdsdijk (Netherlands)
P595	166	<b>TRANSLATION, CULTURAL ADAPTATION AND VALIDATION OF CURRENT OPIOID MISUSE MEASURE (COMM) FOR EUROPEAN PORTUGUESE</b> C. Jantarada, D. Morais, <u>L. Guimarães</u> (Portugal)



## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
<b>STRUCTURAL AND FUNCTIONAL IMAGING OF PAIN</b>		
P596	167	<b>CONTACT COOL EVOKED BRAIN POTENTIALS CORRELATE WITH LASER BUT NOT WITH VIBROTACTILE EVOKED BRAIN POTENTIALS IN PATIENTS WITH SUSPECTED DYSFUNCTION OF THE THERMONOCICEPTIVE PATHWAYS</b> <i>A. Courtin, C. Lenoir, G. Caty, L. Plaghki, A. Mouraux (Belgium)</i>
P597	168	<b>PROSTATE SPECIFIC MEMBRANE ANTIGEN (PSMA), A TARGET FOR PAIN VISUALIZATION AND A POSSIBLE REGULATOR OF NOCICEPTORS</b> <i>M. Mohammadi, T. Hucho, H. Endepols, R. Lu, C. Kobe, J. Petersen, B. Zlatopolskiy, P. Krapf, A. Morgenroth, S. Stockter, J. Loeser, B. Boettiger, A. Drzezga, A. Schmidtke, B. Neumaier (Germany)</i>
<b>COMPLEMENTARY MEDICINE</b>		
P598	169	<b>LAUGHING AWAY THE PAIN: A NARRATIVE REVIEW OF HUMOR, SENSE OF HUMOR, AND PAIN</b> <i>A. Perez-Aranda, J. Hofmann, A. Feliu-Soler, C. Ramirez-Maestre, L. Andrés-Rodríguez, W. Ruch, N. Angarita-Osorio, R. Tuccillo, M.T. Peñarrubia-Maria, A. Rozadilla, X. Borràs, J.V. Luciano (Spain)</i>
<b>INTERVENTIONAL BLOCKADE THERAPIES</b>		
P599	170	<b>ULTRASOUND-GUIDED PULSED RADIOFREQUENCY OF SAPHENOUS NERVE: PRELIMINARY DATA OF EFFICACY AND SAFETY ON KNEE OSTEOARTHRITIS CHRONIC PAIN</b> <i>G. Germani, L. Vizzolo, R. Carpenedo, E. Chinè, S. Ridolfo, D. Ferraccioli, G. Scordo, S. Natoli (Italy)</i>
P600	171	<b>ERECTOR SPINAE PLANE BLOCK IN THE MANAGEMENT OF POSTHERPETIC NEURALGIA</b> <i>H.S. Jee, J.Y. Park, J.W. Choi, W.S. Sim, J.Y. Lee, K.A. Kim (Korea, Republic of)</i>
P601	172	<b>NEUROLOGICAL INJURY AFTER TRANSFORAMINAL EPIDURAL STEROID INJECTION IN A PATIENT WITH PROGRESSIVE NEUROLOGICAL SIGNS: A CASE REPORT</b> <i>L. Hendrix, A. Van Lantschoot, K. Van Boxem, J. Van Zundert (Belgium)</i>
P602	173	<b>COMPARISON OF 4 MG DEXAMETHASONE VERSUS 8 MG DEXAMETHASONE AS AN ADJUVANT TO LEVOBUPIVACAINE IN FASCIA ILIACA BLOCK- A PROSPECTIVE STUDY</b> <i>B. Sriramka (India)</i>
P603	174	<b>COMPARISON OF THE INCIDENCE OF INTRAVASCULAR INJECTION DURING CAUDAL EPIDURAL INJECTIONS BETWEEN WHITACRE AND CHIBA TYPE NEEDLES</b> <i>Y. Jeon, S. Kim (Korea, Republic of)</i>

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
<b>MULTIDISCIPLINARY PROGRAMS</b>		
P604	175	<b>A COST-UTILITY ANALYSIS OF MULTIMODAL PAIN REHABILITATION IN PRIMARY HEALTHCARE</b> <u>K. Eklund</u> , B.-M. Stålnacke, G. Stenberg, P. Enthoven, B. Gerdle, K.-G. Sahlén (Sweden)
P605	176	<b>EFFECTS OF A BRAZILIAN BACK SCHOOL PROGRAM ON DISABILITY, PAIN, FEAR-AVOIDANCE AND RESILIENCE</b> É. Brandão de Moraes, L. Barros da Silva, F. Martins Júnior, <u>J.B. Santos Garcia</u> (Brazil)
<b>PAIN THERAPIES WALK 5</b>		
		Chair: K. Meier (Denmark)
P606	177	<b>MAINTENANCE OF QUALITY OF LIFE IMPROVEMENT FOR PATIENTS WITH CHRONIC PAIN AND OBESITY AFTER MULTIMODAL PAIN REHABILITATION</b> <u>H.-J. Dong</u> , B. Gerdle (Sweden)
P607	178	<b>CLINICAL PAIN RELIEF AFTER REAL AND SHAM MOTOR CORTEX REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION IS PREDICTED BY DISSOCIABLE RESTING-STATE FUNCTIONAL CONNECTIVITY PATTERNS</b> Y. Argaman, Y. Granovsky, A. Sinai, E. Sprecher, D. Yarnitsky, <u>I. Weissman-Fogel</u> (Israel)
P608	179	<b>DESYNCHRONISATION OF ALPHA BAND OSCILLATIONS DURING PARASTHESIA-FREE SPINAL CORD STIMULATION FOR NEUROPATHIC PAIN</b> <u>D. Hewitt</u> , K. Wilford, H. Roberts, V. Soto, A. Byrne, B. Frank, M.L. Sharma, R. Chawla, N. Fallon, C. Brown, A. Stancak (United Kingdom)
P609	180	<b>PATIENTS' NEEDS AND EXPERIENCES WHEN ACCESSING PHYSIOTHERAPY BECAUSE THEY ARE IN PAIN - A META-ETHNOGRAPHY TO INFORM PAIN EDUCATION AND TRAINING</b> <u>K. Thompson</u> , M. Johnson, J. Milligan, M. Briggs (United Kingdom)
P610	181	<b>DOUBLE DISSOCIATION OF ENDOGENOUS PAIN INHIBITION DUE TO CONDITIONED PAIN MODULATION AND PLACEBO IN HUMANS</b> <u>M. Geisler</u> , M. Herbsleb, K.-J. Bär, T. Weiss (Germany)
P611	182	<b>THE EFFECT OF VIRTUAL REALITY ON EVOKED POTENTIALS AND PAIN SCORES</b> <u>E.J. Lier</u> , R. Assmann, J.M. Oosterman, M. de Vries, H. van Goor (Netherlands)
<b>NEUROMODULATIVE THERAPIES</b>		
P612	183	<b>EFFECTIVENESS AND SAFETY OF SPINAL CORD STIMULATION IN PATIENTS WITH SEVERE RAYNAUD'S SYNDROME DURING PREGNANCY - CASE REPORTS</b> <u>M. Lopes</u> , T. Ferreira, D. Correia (Portugal)
P613	184	<b>CAN PULSED RADIOFREQUENCY OF THE OCCIPITAL NERVES CAUSE SEDATION? A NEW PERSPECTIVE OF A CLASSIC TECHNIQUE</b> <u>C. Batistaki</u> , C. Arvaniti, A. Madi, L. Rougeris, G. Kostopanagiotou (Greece)

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
P614	185	<b>CLINICAL APPLICATION OF AN SCS DEVICE CAPABLE OF PATIENT-SELECTIVE USE OF MULTIPLE AVAILABLE NEUROSTIMULATIVE TREATMENT OPTIONS FOR CHRONIC PAIN: REAL-WORLD OUTCOMES FROM EUROPE</b> <u>P. De Negri</u> , M.A. Canos-Verdecho, R. Jain ( <i>Italy</i> )
P615	186	<b>OUTCOMES FOLLOWING UTILIZATION OF A DEVICE ADAPTOR IN PREVIOUSLY-IMPLANTED PATIENTS USING SCS FOR CHRONIC PAIN</b> <u>T. Yearwood</u> , J.R. Sales, A. Christopher, Y. Pei, R. Jain ( <i>United States</i> )

### PALLIATIVE CARE

P616	187	<b>INDIVIDUAL QUALITY OF LIFE AND ITS ASSOCIATION WITH PAIN IN PATIENTS WITH MOTOR NEURON DISEASE</b> <u>P. Åsenlöf</u> , Y. Åkerblom, B. Jakobsson Larsson, D. Nyholm, L. Zetterberg ( <i>Sweden</i> )
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### PHARMACOLOGICAL THERAPIES

P617	188	<b>CURRENT TREATMENT PATTERNS AMONG PATIENTS WITH OSTEOARTHRITIS IN JAPAN: ANALYSIS OF A REAL-WORLD DATASET</b> P. Graham-Clarke, L. Abraham, K. Ueda, P. Hubanova, J. Mellor, <u>J. Jackson</u> , H. Enomoto ( <i>United Kingdom</i> )
P618	189	<b>THE EFFECT OF BOTULINUM TOXIN A ON NEUROPATHIC PAIN IN SPARED NERVE INJURY MOUSE MODEL</b> <u>R.E. Hammer</u> , M. Richner, C.B. Vaegter, P. Karlsson, J.R. Nyengaard ( <i>Denmark</i> )
P619	190	<b>A SINGLE CENTRE EXPERIENCE OF CAPSAICIN 8% PATCH EFFICACY. DOES DIAGNOSIS PREDICT PAIN OUTCOME?</b> H. Laycock, <u>S. Thomas</u> , I. Goodall, S. Pagnussato, I. Patrao, A. Capela, C. Murray, B. Kuehler ( <i>United Kingdom</i> )
P620	191	<b>ANALGESIC EFFECTS OF THE NOVEL SEMICARBAZIDE-SENSITIVE AMINE OXIDASE INHIBITOR SZV 1287 IN RODENT MODELS OF NEUROPATHIC PAIN</b> <u>Á. Horváth</u> , N. Szentes, A. Garami, E. Pótóné Oláh, M. Poór, Z.A. Faisal, E. Fliszár-Nyúl, T. Kálai, C. Sár, S. Pál, D. Szikra, T. Mészáros, K. Percze, P. Mátyus, Z. Helyes ( <i>Hungary</i> )
P621	192	<b>ASSOCIATIONS BETWEEN HERBAL CANNABIS TREATMENT AND DECREASE IN ANALGESICS CONSUMPTION: A MULTI-CENTER PROSPECTIVE STUDY OF PATIENTS WITH CHRONIC PAIN</b> <u>J. Aviram</u> , D. Pud, T. Berkovitch, B. Schiff-Keren, M. Ogintz, S. Vulfsons, T. Yashar, H.-M. Adahan, S. Brill, H. Amital, I. Goor-Aryeh, D. Robinson, L. Green, R. Segal, Y. Fogelman, O. Tsvieli, B. Yellin, L. Vysotski, O. Morag, V. Tashlykov, R. Sheinfeld, R. Goor, D. Meiri, E. Eisenberg ( <i>Israel</i> )
P622	193	<b>ADRENERGIC-DEPENDENT MECHANISM OF ACTION OF THN101 IN A RODENT NEUROPATHIC PAIN MODEL</b> <u>B. Letellier</u> , M. Krémer, L. Becker, I. Yalcin, M. Droguerre, F. Mouthon, M. Charvériat, M. Barrot ( <i>France</i> )

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
P623	194	<b>A RANDOMIZED CONTROLLED TRIAL WITH THE <math>\alpha</math>2-SUBUNIT PREFERRING GABA POSITIVE ALLOSTERIC MODULATOR, N-DESMETHYL-CLOBAZAM (NDMC) IN HEALTHY VOLUNTEERS</b> A. Matthey, Y. Daali, J. Desmeules, <u>M. Besson</u> ( <i>Switzerland</i> )
P624	195	<b>DEVELOPMENT AND PRECLINICAL TESTING OF A PROTOTYPE LEVOBUPIVACAINE-ELUTING DEVICE FOR THE TREATMENT OF POSTOPERATIVE PAIN FOLLOWING INGUINAL HERNIA REPAIR</b> <u>E. Power</u> , O. Mannion, J. Coentro, M. Roche, D. Zeugolis, A. Pandit, D. Finn ( <i>Ireland</i> )
P625	196	<b>SERVICE EVALUATION TO ASSESS THE EFFICACY OF INTRAVENOUS LIDOCAINE INFUSIONS IN CHRONIC PAIN PATIENTS</b> <u>N. Rajasekar</u> , R. Menon, P. Dandegaonkar, P. Lesser, M. Rocheteau ( <i>United Kingdom</i> )
P626	197	<b>CURRENT TREATMENT PATTERNS AMONG PATIENTS IN JAPAN WITH CHRONIC LOW BACK PAIN: ANALYSIS OF REAL-WORLD DATA</b> <u>L. Abraham</u> , K. Ueda, H. Enomoto, P. Graham-Clarke, J. Jackson, K. Golden, N. Hatchell ( <i>United Kingdom</i> )
P627	198	<b>PREVENTING THE ACCESS OF NEURONAL MINERALOCORTICOID RECEPTORS BY ENDOGENOUS ALDOSTERONE ATTENUATES INFLAMMATORY PAIN</b> <u>S. Mousa</u> , D. Mohamed, M. Shaqura, A. Beyer-Koczorek, X. Li, M. Shakibaei, M. Schäfer ( <i>Germany</i> )
P628	199	<b>COMPARISON OF ANTINOCICEPTIVE EFFECTS OF CXCR2 AND CXCR3 RECEPTOR ANTAGONISTS AND THEIR INFLUENCE ON OPIOIDS ANALGESIA OF NEUROPATHIC PAIN MODEL</b> <u>A. Piotrowska</u> , E. Rojewska, K. Pawlik, A. Ciechanowska, W. Makuch, J. Mika ( <i>Poland</i> )
P629	200	<b>MODULATION OF OPIOID-INDUCED CHANGES IN THE ROSTROVENTROMEDIAL MEDULLA BY KETAMINE</b> <u>H. Viisanen</u> , T. Lilius, B. Sagalajev, A. Pertovaara, P. Rauhala, E. Kalso ( <i>Finland</i> )
P630	201	<b>THE ANTAGONISM OF THE PROKINETICIN SYSTEM COUNTERACTS PAIN AND NEUROINFLAMMATION IN VINCRISTINE INDUCED PERIPHERAL NEUROPATHY IN MICE</b> <u>G.E. Aliotta</u> , G. Moschetti, G. Amodeo, L. Arendt-Nielsen, P. Sacerdote, S. Franchi ( <i>Denmark</i> )
P631	202	<b>ANALGESIC EFFECT OF PERIOPERATIVE CHLORZOXAZONE ON ACUTE POSTOPERATIVE PAIN AFTER TOTAL HIP AND KNEE REPLACEMENT SURGERY</b> <u>P. Skrejborg</u> , K.K. Petersen, J. Beck, M. Ulrich, O. Simonsen, P.T. Nielsen, L. Arendt-Nielsen, M. Laursen ( <i>Denmark</i> )
P632	203	<b>ANALGESIC EFFECT OF PENTADECA PEPTIDE BPC-157 ON NOCICEPTIVE PAIN IN RATS</b> <u>J. LEE</u> , E. Kim, H. Kim ( <i>Korea, Republic of</i> )

### PAIN THERAPIES WALK 6

Chair: N.B. Finnerup (*Denmark*)

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
P633	204	<p><b>CURRENT TREATMENT PATTERNS AMONG EUROPEAN PATIENTS WITH OSTEOARTHRITIS: ANALYSIS OF A REAL-WORLD DATASET</b></p> <p>P. Conaghan, <u>L. Abraham</u>, P. Graham-Clarke, L. Viktrup, J. Cappelleri, C. Beck, A. Bushmakina, N. Williams, J. Mellor, J. Jackson (<i>United Kingdom</i>)</p>
P634	205	<p><b>ANTINOCICEPTIVE PROFILE OF A NOVEL G PROTEIN-BIASED OPIOID, PZM21 AND ITS EFFECTS ON ADDICTION-LIKE BEHAVIOR IN RODENTS</b></p> <p>L. Kudla, R. Bugno, L. Wiktorowska, U. Skupio, W. Solecki, W. Makuch, B. Przewlocka, A. Bojarski, <u>R. Przewlocki</u> (<i>Poland</i>)</p>
P635	206	<p><b>AN ASSOCIATION BETWEEN OPIOID-RELATED MORTALITY AND OPIOID DAILY DOSE IN THE UNITED KINGDOM GENERAL PRACTICES</b></p> <p><u>T.-C. Chen</u>, R. Knaggs, L.-C. Chen (<i>United Kingdom</i>)</p>
P636	207	<p><b>REAL-WORLD SAFETY OF TAPENTADOL: ANALYSIS OF DATA FROM THE GERMAN PAIN PRACTICE REGISTRY (GPPR)</b></p> <p><u>M. Überall</u>, B. Morlion, J. Garcia, B. Heckes, M. Heine, R. Karra, I. Wild, G.H.H. Müller-Schwefe (<i>Germany</i>)</p>
P637	208	<p><b>RIFAMPIN REDUCES THE CONCENTRATIONS OF ORAL AND INTRAVENOUS HYDROMORPHONE IN HEALTHY VOLUNTEERS</b></p> <p><u>T.J. Lohela</u>, S. Poikola, M. Neuvonen, M. Niemi, J.T. Backman, K.T. Oikkola, T.O. Lilius (<i>Finland</i>)</p>
P638	209	<p><b>INHIBITION OF TLR4/MYD88/TAK1/NF-<math>\kappa</math>B/COX-2 PATHWAY ACTIVATION CONTRIBUTES TO PROTECTIVE EFFECT OF BEXAROTENE, A RXR<math>\alpha</math> AGONIST, AGAINST LIPOPOLYSACCHARIDE-INDUCED INFLAMMATORY HYPERALGESIA</b></p> <p><u>S.P. Senol</u>, M. Temiz-Resitoglu, D.S. Guden, A.N. Sari, S. Sahan-Firat, B. Tunctan (<i>Turkey</i>)</p>
P639	210	<p><b>PATTERNS OF NEUROPATHIC PAIN MEDICATION PRESCRIBING FOR PATIENTS BEFORE REFERRAL TO A UNIVERSITY HOSPITAL SECONDARY CARE PAIN MEDICINE SERVICE IN LIVERPOOL, UK</b></p> <p><u>H.K. Tsang</u>, L. Biggs, K. Herron (<i>United Kingdom</i>)</p>

### PHYSICAL/OCCUPATIONAL THERAPIES

P640	211	<p><b>PREVENTIVE EFFECTS OF PHOTOBIMODULATION THERAPY (904 NM) DURING THE DEVELOPMENT OF DIABETIC NEUROPATHIC HYPERALGESIA</b></p> <p><u>W.F. Vieira</u>, S.F. Magalhães, C.A. Parada (<i>Brazil</i>)</p>
P641	212	<p><b>PHOTOBIMODULATION THERAPY (904 NM) AS AN ALTERNATIVE TREATMENT TO PERIPHERAL DIABETIC NEUROPATHY: IN VIVO AND IN VITRO ASSESSMENTS</b></p> <p><u>W.F. Vieira</u>, C.M. Nishijima, D. Moreau, R.P. O'Connor, C.A. Parada (<i>Brazil</i>)</p>

## Poster Session 3 - Friday, 6 September

Poster	Board	Abstract
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**PSYCHOLOGICAL THERAPIES**

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P642      213      **FIGHTING OR ACCEPTING LONG-TERM PAIN - A QUALITATIVE STUDY ON ACCEPTANCE AND COMMITMENT THERAPY (ACT) IN TREATMENT OF LONG-TERM PAIN**  
L. Danielsson Palmi, I. Krogstad Furu, R. Wynn, S. Bergvik (*Norway*)

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**REHABILITATION THERAPIES**

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P643      214      **DO SOCIODEMOGRAPHIC FEATURES, PAIN SENSITIVITY OR PAIN CATASTROPHIZING RELATE TO CLINIC-BASED ADHERENCE TO PHYSIOTHERAPY IN PEOPLE SUFFERING FROM CHRONIC SPINAL PAIN?**  
D. Lenoir, I. Coppieters, W. Willaert, J. Kregel, L. Danneels, M. Meeus, J. Nijs, A. Malfliet (*Belgium*)

**E-Posters**  
all days

## E-Posters (all days)

Poster	Abstract
<b>PAIN IN GENERAL</b>	
eP001	<p><b>THE RELATIONSHIP BETWEEN PAIN-RELATED COGNITIVE AND EMOTIONAL FACTORS AND HEALTHCARE UTILIZATION: A SYSTEMATIC REVIEW</b></p> <p><u>E. Huysmans</u>, L. Leemans, D. Beckwée, J. Nijs, K. Ickmans, M. Moens, R. Buyl, L. Goudman, K. Putman, I. Coppieters (<i>Belgium</i>)</p>
eP002	<p><b>RESPONSIVENESS OF THE PAIN DISABILITY INDEX IN PATIENTS UNDERGOING INTERDISCIPLINARY PAIN REHABILITATION</b></p> <p><u>S. Pulles</u>, A. Köke, R. Smeets (<i>Netherlands</i>)</p>
eP003	<p><b>FINDINGS AFTER EXPERIENCE WITH AN ONLINE RESOURCE FOR RESEARCHERS WORKING IN CHRONIC PAIN</b></p> <p><u>E. Quetglas</u>, J. Bothmer (<i>Spain</i>)</p>
eP004	<p><b>GENERALIZED INFORMATION PROCESSING AND EXECUTIVE FUNCTION PREDICTS PAIN MODULATION IN HEALTHY MALES</b></p> <p><u>Y. Granovsky</u>, P. Kuperman, N. Yarovsky, C. Buxbaum, E. Sprecher, A. Frid (<i>Israel</i>)</p>
eP005	<p><b>CHRONIC PAIN ASSOCIATED WITH TRAUMATIC FOOT AND ANKLE AMONG ATHLETES</b></p> <p><u>A.S. Nica</u>, B. Mitoiu, M. Clantau, I. Gheorghiu (<i>Romania</i>)</p>
eP006	<p><b>THE MUTUAL INFLUENCE BETWEEN SOCIAL DEFEAT STRESS AND REPEATED INFLAMMATORY STIMULUS ON INDUCTION OF DEPRESSIVE-LIKE BEHAVIOR AND PERSISTENT HYPERALGESIA IN MICE</b></p> <p><u>L. Nicolai Piaridi</u>, M.O.F. Pagliusi Jr., I.J.M. Bonet, C.H. Tambeli, C.A. Parada, C.R. Sartori (<i>Brazil</i>)</p>
eP007	<p><b>THE NIH HEAL INITIATIVE: ACCELERATING THE DISCOVERY AND CLINICAL DEVELOPMENT OF NON-ADDICTIVE THERAPEUTICS FOR PAIN.</b></p> <p><u>S. Iyengar</u>, S. Woller, C. Wright, A. Tamiz, B. Karp (<i>United States</i>)</p>
eP008	<p><b>PAIN AND SLEEP: A SERVICE EVALUATION OF PAIN INTERVENTIONAL PROCEDURES</b></p> <p>L. De Santis, <u>R. Correa</u>, S. Balasubramanian, U. Chakka, S. Krishnamoorthy (<i>United Kingdom</i>)</p>
eP009	<p><b>RELIABILITY AND VALIDITY OF THE TURKISH VERSION OF PAIN VIGILANCE AND AWARENESS QUESTIONNAIRE (PVAQ-TR)</b></p> <p>E.B. Oyman, &amp; <u>Çitak Karakaya</u>, S. Yenişehir, M.G. Karakaya (<i>Turkey</i>)</p>
eP010	<p><b>EVALUATION OF THE EFFECTIVENESS OF PRF IN SELECTED PAIN SYNDROMES</b></p> <p>A. Rekas, <u>K. Brzezinski</u> (<i>Poland</i>)</p>
eP011	<p><b>PILOT STUDY: PAIN, FUNCTIONAL STATUS AND QUALITY OF LIFE IN WOMEN ACCORDING TO REGULAR EXERCISE HABIT</b></p> <p>E. Tekin, <u>F. Unver</u> (<i>Turkey</i>)</p>
eP012	<p><b>CORRELATIONS OF FOUR DIFFERENT PATIENT-REPORTED OUTCOME MEASURES IN PATIENTS WITH SHOULDER PAIN</b></p> <p>P. Yaşar, &amp; <u>Çitak Karakaya</u>, F. Başkurt, <u>M.G. Karakaya</u> (<i>Turkey</i>)</p>



## E-Posters (all days)

Poster	Abstract
<b>PAIN IN CHILDREN</b>	
eP013	<b>POSTHERPETIC NEURALGIA, CERVICAL MYELITIS AND CEREBRAL VASCULOPATHY CAUSED BY VARICELLA ZOSTER VIRUS IN A PREVIOUSLY HEALTHY 9-YEAR-OLD CHILD</b> <i>Y. Joo (Korea, Republic of)</i>
eP014	<b>COMPARISON OF SUBTENON BLOCK, PERIBULBAR BLOCK AND IV FENTANYL FOR PERIOPERATIVE ANALGESIA IN PAEDIATRIC CATARACT SURGERY</b> <i>D. Shende, R. Kallaisaran, L. Kashyap (India)</i>
eP015	<b>INTRAOPERATIVE EVALUATION OF THE NOCICEPTION LEVEL INDEX IN PAEDIATRIC PATIENTS UNDER GENERAL ANAESTHESIA</b> <i>J.-M. Ahijado-Agudo, D. Garcia-Simon, S. Gholamian-Ovejero, A.-B. Alcaraz-Martinez, M. Vidal-Seoane (Spain)</i>
eP016	<b>INTERCOSTAL ULTRASOUND GUIDED BLOCK IN A PAEDIATRIC PATIENT WITH NOONAN SYNDROME AND CHRONIC REFRACTORY PAIN</b> <i>J.-M. Ahijado-Agudo, H. Souto-Romero, P. Morato-Robert, Y. Santamaria-Peteiro, M. Uriarte-Valiente, E. Martinez-García (Spain)</i>
eP017	<b>MULTIDISCIPLINARY TREATMENT IN PHANTOM LIMB PAIN IN A PAEDIATRIC PATIENT AFTER AMPUTATION SURGERY</b> <i>J. Casado-Neira, J.-M. Ahijado-Agudo, C. Sanchez-Cabezudo, E. Martinez-Garcia (Spain)</i>
eP018	<b>MOTHERS' EXPERIENCES IN TAKING CARE OF THEIR CHILDREN DURING PAINFUL INTRAVENOUS SAMPLING</b> <i>M. Soltanian, F. Nikouee (Iran, Islamic Republic of)</i>
eP019	<b>GROWING PAIN AND VITAMIN D</b> <i>N. Gemawat (India)</i>
eP020	<b>RESILIENCE AND FAMILY DYNAMICS IN CHILDREN WITH PAIN: A SCOPE REVIEW OF LITERATURE</b> <i>G. Ruiz, B. Sora, R. Nieto (Spain)</i>
<b>PAIN IN THE ELDERLY</b>	
eP021	<b>EXERCISE AND NEURAL MOBILIZATION IN INSTITUTIONALIZED OLDER ADULTS</b> <i>A. Mateus, A. Silva (Portugal)</i>
eP022	<b>STUDY OF THE EFFECTS OF THERMOSENSORY AGING BY COLD STIMULATIONS WITH HIGH TEMPORAL RESOLUTION</b> <i>O. Despres, S. Lithfous, T. Pebayle, A. Dufour (France)</i>
eP023	<b>CHRONIC PAIN IN THE ELDERLY WITH TOTAL FUNCTIONAL DISABILITY</b> <i>L. Jovanovic, S. Vuckovic, D. Srebro, M. Prostran (Serbia)</i>
eP024	<b>THE ROLE OF FASCIA ILIACA COMPARTMENT BLOCK AS PREOPERATIVE ANALGESIA IN ELDERLY PATIENTS WITH HIP FRACTURES</b> <i>S. Milicevic Tonkovic, S. Tomasevic-Todorovic, M. Lukic-Sarkanovic, A. Lazukic, J. Pejakovic, V. Vrsajkov, Z. Dragic (Serbia)</i>

## E-Posters (all days)

Poster	Abstract
eP025	<b>HEPARIN-PROPELLED TOPICAL DICLOFENAC: REACHING NEW HEIGHTS</b> S. Sardo, A. Montagna, G. Finco, <u>C. Aurilio</u> , M.C. Pace, M.B. Passavanti, P. Sansone, M. Evangelista ( <i>Italy</i> )
eP026	<b>MAKE THE DIFFERENCE BETWEEN ACUTE OR CHRONIC PAIN IN OLDER ADULTS NOT ABLE TO SELF-REPORT</b> <u>I. Gnass</u> ( <i>Austria</i> )
eP027	<b>SYMPTOM PREVALENCE AND MANAGEMENT IN OLDER ADULT PATIENTS IN LEBANON</b> <u>H. Abu-Saad Huijer</u> ( <i>Lebanon</i> )
eP028	<b>SUBSTANTIAL CLINICAL BENEFIT OF COMMON OUTCOME MEASURES FOLLOWING SHOULDER ARTHROPLASTY</b> <u>H. Razmjou</u> , L. Rahnama, R. Holtby, D. Drosdowech, R. Richards ( <i>Canada</i> )
eP029	<b>CHRONIC NEUROPATHIC PAIN AND COGNITIVE IMPAIRMENT IN INDIAN POPULATION: A CASE CONTROL STUDY.</b> <u>A. Jain</u> , V. Mehta, R. Chittora, M. Bhatnagar ( <i>India</i> )
eP030	<b>OLDER ADULTS' PAIN PERSISTENCE IN A 10-YEAR FOLLOW-UP - A POPULATION-BASED STUDY</b> <u>M.K. Marttinen</u> , H. Kautiainen, M. Kauppi ( <i>Finland</i> )
eP031	<b>CHRONIC PAIN IN THE ELDERLY: THE THERAPEUTIC ITINERARY EXPERIENCED IN THE CITIES OF BOTUCATU/SP (BRAZIL) AND SEVILLE (SPAIN)</b> <u>J. Macías Seda</u> , R. Popim ( <i>Spain</i> )
eP032	<b>IMPACT OF PAIN ON THE QUALITY OF LIFE AFTER THIGH AMPUTATION DIABETIC ETIOLOGY</b> <u>K. Bošković</u> , S. Tomašević-Todorović, S. Mikulić-Gutman, S. Pantelinac, A. Knežević, L. Milašinović-Stanojević, D. Simić-Panić, T. Spasojević ( <i>Serbia</i> )
eP033	<b>EVIDENCE REVIEW TO GUIDE THE PHARMACOLOGICAL MANAGEMENT OF CHRONIC PAIN IN OLDER ADULTS IN THE UK</b> M. Cumberbatch, A. Abdulla, R. Knaggs, S.-A. Francis, G. Bellamy, A. Bonacaro, R. Chandler, M. Dunham, E. Hamid, P. Schofield, D. Sookhoo ( <i>United Kingdom</i> )
eP034	<b>EVIDENCE-BASED GUIDANCE ON THE PHARMACOLOGICAL MANAGEMENT OF CHRONIC PAIN IN OLDER ADULTS IN THE UK</b> M. Cumberbatch, R. Knaggs, A. Abdulla, S.-A. Francis, G. Bellamy, A. Bonacaro, R. Chandler, M. Dunham, E. Hamid, P. Schofield, D. Sookhoo ( <i>United Kingdom</i> )

### PAIN IN VULNERABLE GROUPS

eP035	<b>ANALGESIC MEDICATION FOR PEOPLE WITH DEMENTIA: THE PERSPECTIVES OF PEOPLE WITH DEMENTIA, FAMILY CAREGIVERS, AND HEALTHCARE PROFESSIONALS</b> <u>L. Bullock</u> , C. Chew-Graham, J. Bedson, B. Bartlam, P. Campbell ( <i>United Kingdom</i> )
eP036	<b>MANAGING BONE CANCER PAIN DURING PREGNANCY: A CASE REPORT</b> <u>A.Z. Bondoc</u> , L. Magpantay, S.J. Brodit ( <i>Philippines</i> )
eP037	<b>CHALLENGES IN THE PAIN MANAGEMENT OF MACHADO-JOSEPH DISEASE</b> <u>D. Khoo</u> , Y.C. Tay ( <i>Singapore</i> )

## E-Posters (all days)

Poster	Abstract
eP038	<b>PREVALENCE OF PAIN IN PEOPLE LIVING WITH HIV/AIDS</b> A.C. Pereira, F. Bradbury, <u>P. Hortense</u> ( <i>Brazil</i> )
eP039	<b>DEVELOPMENT OF AN ECOLOGICAL MONITORING AND PAIN SELF-MANAGEMENT APP FOR OLDER ADULTS</b> <u>K. Ledermann</u> , M. Caon, O. Abou Khaled, C. Martin Sölch ( <i>Switzerland</i> )
eP040	<b>ANALYSIS OF THE CLINICAL CHARACTERISTICS OF FRAIL PATIENTS WITH BREAKTHROUGH PAIN.</b> <u>J. Pérez-Cajaraville</u> , S. Forcano-Sanjuan, G. Soler-González, J.-L. Firvida Pérez, C. Margarit-Ferri, M.-Á. Vilar-Rodríguez, N. Martínez-Banaclocha, R. Afonso-Gómez, J.-A. Avellana-Zaragoza, V. Casado-Echarren, M. Delgado-Ureña, P. Guardia-Mancilla, O. Higuera-Gómez, A. Oltra-Ferrando, A.-M. Sánchez, G.-M. Serrano-Montero, J. Arranz-Durán, M.-G. Pazos-González, A. Tuca-Rodríguez, J.-I. Calvo-Sáez, R.-D. García-Marrero, P. Pimentel-Cáceres, J.-A. Díaz-Ricós, E. Cabrera-Espinós, A. Martín-Pérez, I. Díaz-de-Corcuera-Frutos, B. Montalbán-Moreno, J.-A. Núñez-Sobrino, L. Tejeira-Sánchez, A.-J. Jiménez-López, A. Cabezón-Álvarez, I. Huerta-González, B. Soler-López ( <i>Spain</i> )
eP041	<b>ALTERNATIVE MEDICINE SYSTEM AND MUSCLE PAIN CONTROL IN HIV CASES</b> <u>S. Pramod</u> , R. Muttha, T. Roy, B. Mishra ( <i>India</i> )
eP042	<b>LEVEL OF PAIN AND ANALGETICS CONSUMENT AFTER CESAEAN SECTION AND ITS DIFFERENCES DUE TO ANESTHESIA TYPE AND DEMOGRAPHICS FACTORS</b> I. Andric, <u>D. Vladic - Spaic</u> , Z. Karlovic, S. Simic, A. Milas, B. Matic, M. Mihalj ( <i>Bosnia and Herzegovina</i> )
eP043	<b>A NEW TOOL FOR PAIN EVALUATION IN BLIND POPULATION</b> <u>J. Goubayon</u> , N. Macian, G. Pickering ( <i>France</i> )
eP044	<b>WORK RELATED MUSCULOSKELETAL DISORDERS AMONG GARMENT WORKERS IN SOUTH ASIA: A SYSTEMATIC REVIEW</b> <u>L. Dissanayake</u> , K. Abhayasinghe, T. Helliwell, N. Corp, O. Babatunde, A. Sumathipala, R. Wickremasinghe ( <i>Sri Lanka</i> )

### ACUTE PAIN

eP045	<b>ULTRASOUND GUIDED INTERSCALENE BLOCK ASSOCIATED TO SEDATION FOR ARTHROSCOPY SHOULDER SURGERY</b> V. Hosta Mateu, <u>C. Congo Silva</u> , A. Gallego Ledesma, M.L. Moret Ferrón, M.J. Miró Domenech, O. Salmerón Zafra, R. Sarrias Ramirez ( <i>Spain</i> )
eP046	<b>THE EFFECT OF LOCAL WOUND INFILTRATION VERSUS CAUDAL BLOCK ON WOUND INFECTION AND HEALING AFTER INGUINAL HERNIOTOMY IN PAEDIATRICS-A RANDOMIZED STUDY</b> <u>M.H. Ahmad Sabry</u> , R. Ammar, R. Bakr ( <i>Egypt</i> )
eP047	<b>CAN CENTRAL PAIN MODULATION AND CIRCULATING BETA-ENDORPHINE LEVELS PREDICT ACUTE POSTOPERATIVE PAIN IN KNEE ARTHROSCOPY?</b> S. Christensen, E.S. Kristiansen, L.S. Nielsen, <u>S. Rasmussen</u> , P. Gazerani ( <i>Denmark</i> )
eP048	<b>PREDICTING ACUTE POSTOPERATIVE PAIN IN KNEE ARTHROSCOPY BY THERMOGRAPHIC IMAGING AND EVALUATION OF SALIVARY LEVELS OF PROSTAGLANDIN E2</b> L.S. Nielsen, S.S. Christensen, E.S. Kristiansen, <u>S. Rasmussen</u> , P. Gazerani ( <i>Denmark</i> )

## E-Posters (all days)

Poster	Abstract
eP049	<b>AUDIT OF POSTOPERATIVE PAIN MANAGEMENT RECOMMENDATIONS (PPMR) USE IN HOSPITAL OF LITHUANIAN UNIVERSITY OF HEALTH SCIENCES KAUNAS CLINICS (LUHS KC)</b> <u>L. Brogiene</u> , A. Macas, G. Juškevičiūtė, A. Kinderyte, A. Zavackiene ( <i>Lithuania</i> )
eP050	<b>POSTOPERATIVE PAIN AFTER TONSILLECTOMY: EFFECT OF ADJUVANT APPLICATION OF HONEY</b> <u>K. Geissler</u> , M. Schulze, J. Inhestern, W. Meissner, O. Guntinas-Lichius ( <i>Germany</i> )
eP051	<b>POST OPERATIVE PAIN SCORE AFTER NEPHRECTOMY IN THE ABSENCE OF BOTH INTRAVENOUS PATIENT CONTROLLED ANALGESIA AND OPIOIDS: AN OBSERVER BLINDED STUDY</b> <u>T. Sarhan</u> , H. Anwer ( <i>Egypt</i> )
eP052	<b>POSTOPERATIVE PAIN MANAGEMENT IN LAPAROSCOPIC COLON SURGERY. HOW TO REDUCE PAIN LEVELS WITHIN AN ENHANCED RECOVERY PROGRAM?</b> <u>B. Mertens</u> , A. Wolthuis, A. D'Hoore, D. Hoogma ( <i>Belgium</i> )
eP053	<b>CORRELATION OF PRE-OPERATIVE DEPRESSION WITH POST-OPERATIVE PAIN INTENSITY IN PATIENTS UNDERGOING MAJOR ABDOMINAL SURGERY: A PROSPECTIVE STUDY</b> M. Mavri, <u>C. Vaiopoulos</u> , E. Douzepi, A. Tsiotou, E. Kalliardou, A. Makris, C. Pantazopoulos, E. Antoniou ( <i>Greece</i> )
eP054	<b>PATIENT SATISFACTION AFTER EPIDURAL ANALGESIA FOR RADICAL CYSTECTOMY</b> <u>P. Hubenova</u> ( <i>Bulgaria</i> )
eP055	<b>ERECTOR SPINAE PLANE BLOCK IN PATIENTS UNDERGOING DOUBLE PORT MEDICAL THORACOSCOPY; A TRUMP CARD FOR THE PAIN PHYSICIAN IN CRITICAL CARE</b> <u>D. Mukhopadhyay</u> , A. Mukherjee, A. Deb, D.P. Samaddar ( <i>India</i> )
eP056	<b>POSTOPERATIVE PAIN MANAGEMENT CHALLENGES AND DIFFICULTIES IN CHANGING DAILY HABITS</b> <u>A. Bytyqi</u> , F. Kryeziu, A. Bytyqi, V. Kryeziu, B. Sylaj ( <i>Albania</i> )
eP057	<b>LOW-DOSE INTRAVENOUS KETAMINE INFUSION FOR POSTTHORACIC SURGERY PAIN: OPIOID-SPARING EFFECT AND IMPROVED FUNCTIONAL RECOVERY. A RANDOMIZED CLINICAL TRIAL</b> L.G. Giaccari, P. Sansone, <u>P. Bonagura</u> , E. Di Costanzo, V. Esposito, M.C. Pace, M.B. Passavanti, V. Pota, C. Aurilio ( <i>Italy</i> )
eP058	<b>OPIOID FREE ANAESTHESIA/ANALGESIA IN THORACIC SURGERY: A CASE SERIES</b> V. Nyktari, G. Stefanakis, E. Diamantaki, E. Koutoulaki, G. Papastratigakis, A. Papaioannou, <u>G. Frantzeskos</u> ( <i>Greece</i> )
eP059	<b>USING OF CONUS MEDULLARIS STIMULATION IN TREATMENT OF ACUTE POSTOPERATIVE ANOGENITAL PAIN IN PATIENT WITH OVARIAN CANCER.</b> <u>A. Simonyan</u> , E. Isagulyan, Y. Igitov, A. Mikhaylova, A. Esin, L. Lepsveridze, M. Semenov ( <i>Russian Federation</i> )
eP060	<b>ADDITIVE UTILITY OF PAIN SENSITIVITY QUESTIONNAIRE IN EXPLAINING VERY EARLY ACUTE MTBI POST-MOTOR VEHICLE COLLISION CLINICAL HEAD PAIN VARIABILITY</b> <u>K. Pora</u> , Y. Granovsky, H. Bahouth, S. Fadel, H. Ben Lulu, N. Bosak, C. Buxbaum, E. Sprecher, D. Yarnitsky, M. Granot ( <i>Israel</i> )

## E-Posters (all days)

Poster	Abstract
eP061	<b>INTRAVENOUS OXYCODONE AND KETAMINE IN DEMOLITIVE MAXILLOFACIAL SURGERY</b> F. Coppolino, V. Donatiello, L. Merola, G. Manzo, M.C. Pace, M.B. Passavanti, P. Sansone, V. Pota, C. Aurilio ( <i>Italy</i> )
eP062	<b>PRESSURE PAIN THRESHOLD AND SALIVARY LEVELS OF CORTISOL IN PATIENTS UNDERGOING KNEE ARTHROSCOPY</b> E.S. Kristiansen, L.S. Nielsen, S.S. Christensen, S. Rasmussen, P. Gazerani ( <i>Denmark</i> )
eP063	<b>ANALYSIS OF POSTOPERATIVE PAIN REGISTERS OF CAESAREAN SECTIONS DURING THE 2013-2018 PERIOD</b> A. Montes, J. Garcia, E. Arbonés, D. Bande, M. Comas, L. Trillo ( <i>Spain</i> )
eP064	<b>PAIN-SPECIFIC MECHANISMS OF ACQUISITION AND EXTINCTION LEARNING</b> K. Forkmann, K. Schmidt, U. Bingel ( <i>Germany</i> )
eP065	<b>THE EFFECT OF INTRAVENOUS MAGNESIUM SULFATE VERSUS INTRAVENOUS SUFENTANIL ON POSTOPERATIVE PAIN IN PATIENTS WITH TIBIA FRACTURE</b> R. Akhondzadeh, A.R. Olapour, A.R. Mohtadi, M. Soltanzadeh, A. Ghomeishi, M. Jafari ( <i>Iran, Islamic Republic of</i> )
eP066	<b>MODIFIED PECTORALIS NERVE BLOCK DOES NOT IMPROVE POSTOPERATIVE PAIN IN PATIENTS UNDERGOING BREAST SURGERY</b> J. Makkar, D. Divya, D. Jain ( <i>India</i> )

### CANCER PAIN

eP067	<b>ASSESSMENT OF QUALITY OF LIFE IN PATIENTS WITH CHRONIC CANCER PAIN USING BRIEF PAIN INVENTORY</b> S. Rajasekar, R. Thotta, P. Jain ( <i>India</i> )
eP068	<b>SUBLINGUAL METHADONE: A NEW ROUTE FOR AN OLDER DRUG IN CANCER PAIN ?</b> R. Cunha Junior, G. Figueredo, T. Lourenço ( <i>Brazil</i> )
eP069	<b>TREATMENT OF NEUROPATHIC PAIN DUE TO RADIO-CHEMOTHERAPY IN CERVIX CARCINOMA WITH TAPENTADOL. CASE STUDY</b> R. Gálvez, R. Ching López, Y. Rojas Vallejo, M.P. Vargas Arrabal, S. Rodríguez Pavón, A.M. Ruiz Martínez, P. Galván Banqueri, R. Ching López ( <i>Spain</i> )
eP070	<b>SOMETHING MUST BE WRONG WITH THE IMPLEMENTATION OF CANCER-PAIN TREATMENT GUIDELINES. A LESSON FROM REFERRALS TO A PAIN CLINIC</b> G. Samuely, Z. Adler, E. Eisenberg ( <i>Israel</i> )
eP071	<b>COMPARISON OF TWO TECHNIQUES (BOLUS MORPHINE VS. MORPHINE INFUSION) OF ANALGESIC TITRATION WITH INTRAVENOUS MORPHINE IN PALLIATIVE CANCER PATIENT - A PROSPECTIVE RANDOMIZED STUDY</b> V. Kumar, N. Gupta, P. Sirohiya, R. Garg, S.J. Bharati, S. Bhatnagar, T. Velpandian ( <i>India</i> )
eP072	<b>MUSCULOSKELETAL CHRONIC PAIN ON PATIENTS WITH BREAST CANCER TREATED WITH AROMATASE INHIBITORS. AN ANALYSIS AND EVALUATION OF THE CONVENTIONAL THERAPEUTIC APPROACH</b> J.M. López-Millán, M.D.V. Fernández Barrera, L.M. Vázquez Montero ( <i>Spain</i> )

## E-Posters (all days)

Poster	Abstract
eP073	<b>COMPARING PERSISTENT POST-SURGICAL PAIN POST BREAST CANCER SURGERY AND THEIR RESPONSE TO ANTI-NEUROPATHIC AGENTS IN A SPECIALIST CANCER CENTRE</b> D. Magee, <u>F. Ayob</u> , M. Brown, J. Williams, P. Farquhar-Smith ( <i>United Kingdom</i> )
eP074	<b>PREVALENCE AND CHARACTERIZATION OF BREAKTHROUGH PAIN IN PATIENTS WITH CANCER IN SPAIN: THE CARPE-DIO STUDY</b> <u>C. Pérez Hernández</u> , A. Blasco, Á. Gándara, A. Mañas, M.J. Rodríguez López, V. Martínez, A. Sánchez-Gabriel, C. Montoto ( <i>Spain</i> )
eP075	<b>PAIN AND SYMPTOM MANAGEMENT IN PATIENTS WITH HEAD AND NECK MALIGNANCIES ADMITTED AT TERTIARY CARE CENTRE, INDIA: A RETROSPECTIVE STUDY</b> <u>S. Mishra</u> , K. Rustagi, S. Bhatnagar ( <i>India</i> )
eP076	<b>USE OF OPIOIDS AND ITS IMPACT ON QUALITY OF LIFE IN CHEMOTHERAPY INDUCED ORAL MUCOSITIS: A PROSPECTIVE OBSERVATIONAL STUDY</b> <u>S. Mishra</u> , R. Nandi, V. Pratap Singh, A. Sharma, L. Kumar, S. Bhatnagar ( <i>India</i> )
eP077	<b>EMERGENCY PAIN RELATED TO CANCER: FOR A CLINICAL APPROACH</b> <u>A. Burnod</u> , A. Lemaire, G. Allano, C. Minello, C. Maindet, B. George ( <i>France</i> )
eP078	<b>FACILITATING ACCESS TO INTRATHECAL ANALGESIA FOR CANCER PATIENTS SUFFERING INTRACTABLE PAIN AND LIVING FAR FROM EXPERT CENTERS</b> <u>Y.-M. Pluchon</u> ( <i>France</i> )

### CENTRAL NEUROPATHIC PAIN

eP079	<b>AN INNOVATIVE APPROACH BASED ON THE COMBINATION OF MALDI-TOF MS AND ARTIFICIAL NEURAL NETWORKS TO CLASSIFY CENTRAL NEUROPATHIC PAIN AND WIDESPREAD PAIN IN PRECLINIC MODELS</b> <u>M. Deulofeu</u> , E.M. Peña-Méndez, P. Vañhara, J. Havel, E. Verdú, V. Salvadó, P. Boadas-Vaello ( <i>Spain</i> )
eP080	<b>THE SUCCESSFUL APPLICATION OF THE ERECTOR SPINAE PLANE BLOCK FOR THE MANAGEMENT OF ZOSTER-ASSOCIATED PAIN: A CASE SERIES</b> <u>Y. Park</u> , M.H. Lee, J.W. Shim, J.W. Choi ( <i>Korea, Republic of</i> )
eP081	<b>TREATMENT OF NEUROPATHIC PAIN AFTER BRACHIAL PLEXUS INJURY BY BODY SCHEMA REORGANIZATION - CASE REPORT OF A NEW THERAPEUTIC APPROACH</b> <u>A. Ljutow</u> , K. Böttger, E. Palardy, C. Junker-Tschopp ( <i>Switzerland</i> )
eP082	<b>SLEEP IN CENTRAL NEUROPATHIC PAIN BY THALAMIC STROKE</b> <u>B. García-Parra</u> , N. Salord Oleo, S. Pérez Ramos, C. Lopez-Padros, J. Montero Homs, C. Monasterio Ponsa ( <i>Spain</i> )

### COMPLEX REGIONAL PAIN SYNDROME

eP083	<b>NEUROPATHIC PAIN-USE THERMOGRAPHY AS DIAGNOSTIC OF CHOICE</b> <u>S. Ahmed</u> ( <i>Bangladesh</i> )
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## E-Posters (all days)

Poster	Abstract
eP084	<b>INTEROCEPTIVE AWARENESS IN CRPS 'ALIKE' PATIENTS WHO HAVE DISCONNECTED WITH THEIR LIMBS</b> <u>G. Walsh</u> , S. Patel, E. Burgess, J. O'Sullivan, U. Liersch, R. Boast, D. Board, C. Susan ( <i>United Kingdom</i> )
eP085	<b>QUALITY OF LIFE AFTER AMPUTATION IN PATIENTS WITH ADVANCED COMPLEX REGIONAL PAIN SYNDROME-A SYSTEMATIC REVIEW</b> <u>B. Ayyaswamy</u> , B. Saeed, A. Anand, L. Chan, V. Shetty ( <i>United Kingdom</i> )
eP086	<b>IMPLICATION OF LOCAL MUSCLE RESPONSE TO PRECISE DRY NEEDLING IN CLINICAL OUTCOMES OF TREATMENT MYOFASCIAL PAIN</b> <u>R. Bubnov</u> , L. Kalika ( <i>Ukraine</i> )
eP087	<b>EFFECT OF INTRAVENOUS S-KETAMINE ON PAIN IN PATIENTS WITH COMPLEX REGIONAL PAIN SYNDROME</b> <u>T.J.P. Mangnus</u> , K.D. Bharwani, D.L. Stronks, S.P.G. Frankema, M. Dirckx, F.J.P.M. Huygen ( <i>Netherlands</i> )
eP088	<b>IMMUNOLOGICAL MARKERS DURING A LONG-STANDING AND GENERALIZED COMPLEX REGIONAL PAIN SYNDROME: A CASE REPORT</b> <u>S. Barreda</u> , M. Roncero Díaz ( <i>Spain</i> )
eP089	<b>FOUR - LIMB COMPLEX REGIONAL PAIN SYNDROME : CASE REPORT</b> N. Grech, <u>C. Fenech</u> , C. Abela ( <i>Malta</i> )
eP090	<b>COMPLEX REGIONAL PAIN SYNDROME: A COLOMBIAN EXPERIENCE</b> J.E. Toro-López, <u>D.C. Reyes-Marquez</u> , M.P. González-Obregón ( <i>Colombia</i> )
eP091	<b>A CASE OF ALLERGIC CUTANEOUS REACTION TO SPINAL CORD STIMULATOR DEVICE</b> <u>H.Y. Gil</u> , C. Jong Bum ( <i>Korea, Republic of</i> )
eP092	<b>DIGITAL SCHEMATIC DRAW-A-PERSON TEST FOR ASSESSMENT OF BODY SCHEME DISTORTIONS: PROOF-OF-CONCEPT TRIAL IN PATIENTS WITH COMPLEX REGIONAL PAIN SYNDROME (CRPS)</b> M. Korman, E. Haspel Herman, A. Livshitz, M. Sambur, <u>J.-J. Vatine</u> ( <i>Israel</i> )
eP093	<b>COMPLEX REGIONAL PAIN SYNDROME AFTER MATRICECTOMY OF THE FIRST TOE</b> <u>A. Benlloch Beitia</u> , B. Bardisa de la Iglesia, C. Ivars Párraga, M. Pasek, A. Guerri Cebollada ( <i>Spain</i> )

### HEADACHE

eP094	<b>IDIOPATHIC INTRACRANIAL HYPOTENSION SYNDROME (IIHS) IN A 10 YEAR-OLD PATIENT</b> <u>R. Izquierdo</u> , R.M. Robledo, A. Bermejo, A. Canos, P. Argente ( <i>Spain</i> )
eP095	<b>STUDY PROTOCOL FOR A SINGLE BLIND PLACEBO-CONTROLLED CROSS OVER STUDY TO INVESTIGATE THE EFFICACY OF GREATER OCCIPITAL NERVE BLOCK WITH PLACEBO IN CHRONIC MIGRAINE PATIENTS</b> <u>A. Ahmad</u> , W. Theresa, K. Peter, F. Morell- Ducous, V. Mehta, A. Bahra ( <i>United Kingdom</i> )
eP096	<b>THORACIC EPIDURAL BLOOD PATCH FOR A PATIENT WITH A DISTURBED CONSCIOUSNESS AND BEHAVIORAL CHANGES DUE TO SEVERE SPONTANEOUS INTRACRANIAL HYPOTENSION: A CASE REPORT</b> <u>B.-G. Seong</u> , H. Jung, J.Y. Lee, W.S. Sim ( <i>Korea, Republic of</i> )

## E-Posters (all days)

Poster	Abstract
eP097	<b>DRY NEEDLING UNDER ULTRASOUND GUIDANCE TRIGGER POINTS IN NECK AND SHOULDER EFFECTIVE OR DIFFERENT TYPES OF HEADACHE</b> R. Bubnov, L. Kalika ( <i>Ukraine</i> )
eP098	<b>SLEEP QUALITY IS ASSOCIATED WITH THE BURDEN OF HEADACHE IN MEN, BUT NOT IN WOMEN, WITH TENSION TYPE HEADACHE</b> M. Palacios-Ceña, S. Fuensalida-Novo, M. Castaldo, K. Wang, C. Fernández-de-las-Peñas, L. Arendt-Nielsen ( <i>Denmark</i> )
eP099	<b>CORRELATION BETWEEN SENSITIZATION OF TRIGEMINAL NUCLEUS AND FUNCTIONALITY OF DEEP CERVICAL FLEXOR MUSCLES</b> S. Di Antonio, M. Castaldo, C. Finocchi, P. Torelli, L. Arendt-Nielsen ( <i>Denmark</i> )
eP100	<b>TRIPATAN PRESCRIBING IN A SOUTH AFRICAN PATIENT POPULATION: HOW GENERIC SUBSTITUTION IMPACTS ON THE AFFORDABILITY OF ANTIMIGRAINE PREPARATIONS</b> I. Truter ( <i>South Africa</i> )
eP101	<b>SPINAL CORD STIMULATION AT 10 KHZ FOR TREATMENT OF CHRONIC HEAD PAIN</b> J. Salmon ( <i>Australia</i> )
eP102	<b>EEG-CHANGES IN MIGRAINE PATIENTS</b> Y. Severyn ( <i>Ukraine</i> )

### LOW BACK PAIN AND LUMBORADICULAR PAIN

eP103	<b>FUNCTIONALITY IN PATIENTS WITH CHRONIC LOW BACK PAIN AND SCIATICA</b> A. Knezevic, S. Tomasevic-Todorovic, J. Ivacic, K. Boskovic, T. Spasojevic, M. Jeremic-Knezevic ( <i>Serbia</i> )
eP104	<b>THE INFLUENCE CENTRAL SENSITIZATION LEVEL ON REPORTED OUTCOMES OF FUNCTIONING IN PATIENTS WITH CHRONIC LOW BACK PAIN: A LONGITUDINAL STUDY</b> J. Ansuategui Echeita, H.R. Schiphorst Preuper, R. Dekker, M.F. Reneman ( <i>Netherlands</i> )
eP105	<b>ANXIETY LEVEL IN MIDDLE AGE PATIENTS WITH CHRONIC LOW BACK PAIN</b> A. Klasnja, S. Tomasevic-Todorovic, M. Jeremic-Knezevic, S. Pantelinac, V. Karan, A. Knezevic ( <i>Serbia</i> )
eP106	<b>TOPICAL NICOBXIL/NONIVAMIDE, NICOBXIL, NONIVAMIDE AND PLACEBO FOR TREATING ACUTE LOW BACK PAIN (ALBP): CUMULATIVE PROPORTION OF RESPONDERS ANALYSIS (CPRA) FROM A RANDOMIZED, CONTROLLED TRIAL</b> T. Weiser, R. Lange, C. Holm ( <i>Germany</i> )
eP107	<b>THE OUTCOME OF PULSED RADIOFREQUENCY TREATMENT OF THE DORSAL ROOT VS LUMBAR NERVE ROOT INJECTION IN PATIENT AFFECTED BY LUMBAR RADICULOPATHY</b> P. di Vadi, B. Nyamaizi, M. Liu, M. Pedro ( <i>United Kingdom</i> )
eP108	<b>VALIDATION OF THE Q-SAP BACK (QUESTIONNAIRE FOR SYMPTOM ASSESSMENT IN PAIN DISORDERS FOR BACK PAIN PATIENTS)</b> J.C. Otto, J. Gierthmühlen, R. Baron ( <i>Germany</i> )
eP109	<b>A PROSPECTIVE, COMPARATIVE, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY ON THE EFFICACY OF RADIAL SHOCKWAVES IN THE TREATMENT OF MYOFASCIAL PAIN SYNDROME OF THE LUMBAR/GLUTEAL REGIONS</b> R. Kobayashi, L.T. Yeng, N.S. Yonekawa, M.Z. Pezzucchi, D.J.F. Solla, M.J. Teixeira ( <i>Brazil</i> )



## E-Posters (all days)

Poster	Abstract
eP110	<p><b>VIRTUAL REALITY AS PART OF A MULTIMODAL THERAPY FOR INPATIENT CHRONIC LOW BACK PAIN PATIENTS</b></p> <p><u>B. Birmes</u>, M. Pahlmann, M. Gutmann, M. Scholten, E. Ludwig, B. Kinast, N. Holtmann, T. Schueler, R. Heuven, B. Tampin (<i>Germany</i>)</p>
eP111	<p><b>LONG-TERM PHYSICAL EXERCISE TRAINING PROGRAM SUCCESSFULLY REDUCES PAIN INTENSITY AND BENEFITS PSYCHOLOGICAL FACTORS IN INDIVIDUALS EXPERIENCING CHRONIC LOW BACK PAIN</b></p> <p><u>A. Bendas</u>, K. Cool, S.J. Thompson, F. Bobeuf, P. Rainville, L. Bherer, J. Cohen-Adad, M. Roy (<i>Canada</i>)</p>
eP112	<p><b>EXPLORING THE PRE-MORBID CONTEXTS IN WHICH NOCIOPLASTIC PAIN DEVELOPED IN INDIVIDUALS WITH NON-SPECIFIC CHRONIC LOW BACK PAIN: A QUALITATIVE STUDY</b></p> <p><u>J. Clark</u>, P. Goodwin, G. Yeowell (<i>New Zealand</i>)</p>
eP113	<p><b>THE EFFECT OF SPINAL CORD STIMULATION TO THE QUALITY OF SEXUAL LIFE ON FEMALE FBTS PATIENTS</b></p> <p><u>H.-K. Jyrkkänen</u>, T.-M. Ikäheimo, M. Nissen, M. von und zu Fraunberg, J. Huttunen (<i>Finland</i>)</p>
eP114	<p><b>LOW BACK PAIN SYNDROME AND ABUSE OF DRUGS</b></p> <p>I. Sierra-Martínez, L. Sierra-Martínez, <u>R. Martínez-Fuerte</u>, N. Snaz-González (<i>Spain</i>)</p>
eP115	<p><b>LOW BACK PAIN AND RAPIDLY PROGRESSIVE COGNITIVE DECLINE AS A MANIFESTATION OF LYME NEUROBORELIOSIS: A CASE REPORT</b></p> <p><u>V. Milosevic</u>, M. Malobabic, N. Vukasinovic, S. Jolic, J. Basic, M. Zivkovic (<i>Serbia</i>)</p>
eP116	<p><b>EFFICACY AND SAFETY OF CHEMONUCLEOLYSIS WITH RADIOPAQUE GELIFIED ETHANOL (RGE) WITH CENTERING COMPUTED TOMOGRAPHY (CT) FOR CERVICAL AND LOMBAR DISC HERNIATION</b></p> <p>F. Amato, <u>M. Maletta</u>, G. Lacquaniti, C. Locco (<i>Italy</i>)</p>
eP117	<p><b>CLINICAL EVALUATION OF THE EFFECTIVENESS OF A NEW FLEXIBLE ORTHOTIC DEVICE FOR THE NON-OPERATIVE TREATMENT OF SCOLIOSIS</b></p> <p><u>Y.-B. Oh</u>, Y.H. Won, S.-H. Park, M.-H. Ko, J.-H. Seo, G.-W. Kim (<i>Korea, Republic of</i>)</p>
eP118	<p><b>PATTERNS AND PREDICTIONS OF PAIN INTENSITY IN PATIENTS WITH SPINAL PATHOLOGY</b></p> <p>J. Hilkevics, <u>M. Ārons</u>, K. Briuks, S. Zadoroznijs, A. Miscuks, I. Golubovska (<i>Latvia</i>)</p>
eP119	<p><b>THE INFLUENCE OF A WEB-BASED BIOPSYCHOSOCIAL PAIN EDUCATION INTERVENTION ON PAIN, DISABILITY, AND PAIN COGNITION IN PATIENTS WITH CHRONIC LOW BACK PAIN IN PRIMARY CARE.</b></p> <p><u>F. Valenzuela Pascual</u>, J. Virgili-Gomà, E. Puentedura, F. Molina, J. Soler-González, F. Corbi, F. Rubí-Carnacea, C. Climent-Sanz, J. Blanco-Blanco (<i>Spain</i>)</p>
eP120	<p><b>EFFECTIVENESS OF NEUROSCIENCES EDUCATION IN PATIENTS WITH CHRONIC LOW BACK PAIN: SYSTEMATIC REVIEW WITH META-ANALYSIS</b></p> <p><u>F. Araya - Quintanilla</u>, I. Valdés - Orrego, M.J. Muñoz - Cuevas, K. Maturana - Madrid, M. Navarrete - Cabrera (<i>Chile</i>)</p>
eP121	<p><b>ELECTROMYOGRAPHIC ACTIVITY OF THE LATISSIMUS DORSI MUSCLE IN PERSONS WITH SACROILIAC JOINT DYSFUNCTION (SIJD) DURING A FUNCTIONAL ACTIVITY</b></p> <p>Z. Rincón, A.B. Oliveira, <u>C. Ramírez Ramírez</u> (<i>Colombia</i>)</p>
eP122	<p><b>THE RELATION BETWEEN PAIN INTENSITY AND DEPRESSION IN PATIENTS WITH CHRONIC LOW BACK PAIN</b></p> <p><u>S. Milicevic</u>, Z. Bukumiric, A. Corac (<i>Serbia</i>)</p>

## E-Posters (all days)

Poster	Abstract
eP123	<b>CONTRAST VOLUME NEEDED TO REACH ANTERIOR EPIDURAL SPACE VIA KAMBIN'S TRIANGLE OR SUBPEDICULAR APPROACH FOR TRANSFORAMINAL EPIDURAL INJECTION</b> B. Ghaj, A. Kumar, J. Makkar, S. Dhatt ( <i>India</i> )
eP124	<b>TEN REASONS WHY SYMPTOMATIC TARLOV CYSTS ARE OVERLOOKED</b> M. Hulens, R. Rasschaert, F. Bruyninckx, W. Dankaerts, P. De Mulder, I. Stalmans, C. Bervoets, G. Vansant ( <i>Belgium</i> )
eP125	<b>COMPARISON OF TWO DIFFERENT ELECTROTHERAPY TECHNIQUES IN LOW BACK PAIN</b> D. Kutlu Ozkaraoglu, D. Tarakci, Z.C. Algun ( <i>Turkey</i> )
eP126	<b>COMPARISON OF BODY MASS INDEX, EDUCATION YEAR AND SLEEP QUALITY IN SUBJECTS WITH AND WITHOUT LOW BACK PAIN</b> E. Yazar, E. Aslan Telci, H. Taskin, M. Pekesen Kurtca, A. Unal, N. Yagci, O. Telli Atalay ( <i>Turkey</i> )
eP127	<b>PIRIFORMIS SYNDROME: WHEN CONSERVATIVE TREATMENT FAILS</b> A. Canelas, R. Fonseca, S. Serrano, E. Valente ( <i>Portugal</i> )
eP128	<b>THE EFFECT OF TREATMENT ON PAIN AND QUALITY OF LIFE IN PSORIATIC ARTHRITIS</b> P. Athanassiou, M. Kostopoulos, L. Athanassiou, P. Tsakiridis, I. Kostoglou-Athanassiou ( <i>Greece</i> )
eP129	<b>THE INFLUENCE OF CATASTROPHIZING AND FEAR ON MOVEMENT PERFORMANCE IN LOW BACK PAIN: A SYSTEMATIC REVIEW</b> S. Schouppe, A. Clauwaert, S. Van Damme, L. Danneels, G. Crombez, J. Van Oosterwijck ( <i>Belgium</i> )
eP130	<b>EFFECTS OF GLUCOSE CONCENTRATION AND PH ON DORSAL ROOT GANGLION NEURITE OUTGROWTH</b> D. Stefanoska, J. Ma, S. Grad, M. Alini, M. Peroglio ( <i>Switzerland</i> )
eP131	<b>CHRONIC PELVIC PAIN: BIOMECHANICAL ASPECTS</b> A. Barulin, O. Kurushina, V. Dumtsev, B. Kalinchenko ( <i>Russian Federation</i> )
eP132	<b>TRUNK CONTROL IN PEOPLE WITH LOW BACK PAIN: THE IMPORTANCE OF MUSCLE SPINDLES INPUT ORIGINATING FROM THE LUMBAR PORTION OF THE ERECTOR SPINAE</b> D. Jiménez-Grande, E. Walters, S. McCloskey, L. Gent, A.M. De Nunzio ( <i>United Kingdom</i> )
eP133	<b>BIG FIVE PERSONALITY TRAITS AND CHRONIC LOW BACK PAIN: ASSOCIATION WITH FEAR-AVOIDANCE, ANXIOUS AND DEPRESSIVE MOODS</b> M.E. Ibrahim, K. Weber, S. Genevay ( <i>Egypt</i> )
eP134	<b>EFFECTS OF INFRARED RADIATION (TERA HERTZ RANGE) AND SHORTWAVE DIATHERMY ON THE PATIENTS WITH CHRONIC LOW BACK PAIN</b> M.A. Shakoor ( <i>Bangladesh</i> )
eP135	<b>TRUNK COORDINATION IN PEOPLE WITH LOW BACK PAIN DURING GOAL-DIRECTED REPETITIVE SAGITTAL TRUNK MOVEMENTS</b> A. Alsubaie, D. Jiménez-Grande, A. Marco De Nunzio ( <i>United Kingdom</i> )
eP136	<b>HIGH FREQUENCY SPINAL CORD STIMULATION AT 10 KHZ DELIVERED THROUGH A VENTRAL LEAD IN A FAILED BACK SURGERY SYNDROME (FBSS) PATIENT: A CASE REPORT</b> P. Maino, E. Koetsier ( <i>Switzerland</i> )

## E-Posters (all days)

Poster	Abstract
<b>OROFACIAL PAIN</b>	
eP137	<b>PURPLE CORN EXTRACT AS ADJUVANT THERAPY FOR THE PREVENTION AND TREATMENT OF TRIGEMINAL PAIN: ROLE OF MICROGLIA AND OF THE GUT MICROBIOTA</b> G. Magni, A. Marinelli, D. Riccio, D. Lecca, C. Milani, M. Ventura, M.P. Abbracchio, C. Tonelli, K. Petroni, <u>S. Ceruti</u> (Italy)
eP138	<b>CENTRAL SENSITIZATION INVENTORY IN PATIENTS WITH CHRONIC TEMPOROMANDIBULAR JOINT PAIN</b> M. Jeremic-Knezevic, <u>A. Knezevic</u> , D. Djurovic Koprivica, J. Ivacic, B. Nalic, I. Mijatov (Serbia)
eP139	<b>TREATMENT WITH BOTULINUM TOXIN IN A PATIENT WITH OROPHARYNGEAL CARCINOMA AND TRIGEMINAL NEURALGIA</b> <u>E. Murcia Sanchez</u> , P. Pérez Doblado, A.J. Carrascosa Fernández (Spain)
eP140	<b>A QUESTIONNAIRE STUDY ON SLEEP-WAKE PATTERN AND SLEEP QUALITY IN TMJ &amp; OROFACIAL PAIN CLINIC</b> <u>J.E. Lee</u> , H.J. Lee, Y.J. Park, J.S. Kwon, S.T. Kim (Korea, Republic of)
eP141	<b>COMORBID CONDITIONS IN TEMPOROMANDIBULAR DISORDER MYALGIA AND MYOFASCIAL PAIN WITH REFERRAL</b> <u>G. Barjandi</u> , L. Senhaji, R. Khalid, S. Louca Jounger, M. Ernberg (Sweden)
eP142	<b>GLOSSOPHARYNGEAL NERVE NEURALGIA TREATED WITH TRANSMUCOSAL TOPICAL 2% LIDOCAINE IN ADHESIVE ORAL EXCIPIENT: A CASE REPORT</b> <u>A. Serrano Afonso</u> , M. Coll González, E. Leiva Badosa, M. Calvo Álvarez, V. Mayoral Rojals (Spain)
eP143	<b>A NEW BIOFEEDBACK APPROACH FOR THE CONTROL OF THE MASSETER AND TEMPORAL MYALGIA: UTILIZATION OF AN AWAKE POSTERIOR INTEROCCLUSAL DEVICE</b> A. Haggiag, J.T. Tesseroli de Siqueira, <u>N. Baptista Pardo</u> , J. Baggio (Brazil)
eP144	<b>PLATELET-RICH PLASMA AS A NOVEL TREATMENT OF PAINFUL TRAUMATIC TRIGEMINAL NEUROPATHY (PTTN)-SIX MONTH RESULTS</b> <u>C. Zarebinski</u> , K. Omrani (United States)
eP145	<b>SPHENOPALATINE SYNDROME AND TRIGEMINAL NEURALGIA AFTER MEDULLARY -BULB UNION TUMOR SURGERY. LESSONS FROM CASE REPORT</b> <u>M. Revuelta</u> , L. Parrilla, R. Díaz, E. Català (Spain)
eP146	<b>DOES THE ENVIRONMENT INTERFERE WITH THE OROFACIAL NOCICEPTIVE RESPONSE OF THE ADULT ZEBRAFISH?</b> <u>G. de Oliveira Leite</u> , S.A. Alves Rodrigues Santos, A. Rolim Campos (Brazil)
eP147	<b>CHRONIC POSTSURGICAL PAIN AND NEUROPATHIC COMPONENTS PAIN IN PATIENTS 7 YEARS AFTER CRANIOFACIAL SURGERY: A PROSPECTIVE COHORT PILOT STUDY</b> D. Ozga, W. Raś, <u>K. Lewandowska</u> , W. Mędrzycka - Dąbrowska, B. Lewandowski (Poland)
eP148	<b>ANXIETY, DEPRESSION AND PAIN CATASTROPHIZING ON AWAKE BRUXISM PATIENTS</b> <u>B.D.M. Souza</u> , L.F. Valesan, J.M. Oliveira, A.C. Denardin, C.D. Das-Cas, L.P. Nascimento, M.S. De Freitas, A.L. Porporatti (Brazil)
eP149	<b>REVIEW OF THE TECHNIQUES PERFORMED IN TRIGEMINAL NEURALGIA: PERIOD 2016-2018</b> <u>F. Tomas Rios</u> , P. Rosello, M.A. Canos, P. Argente, J.A. Simal, C. Botella (Spain)

## E-Posters (all days)

Poster	Abstract
<b>OSTEOARTHRITIS, RHEUMATOID ARTHRITIS</b>	
eP150	<p><b>PLATELET RICH PLASMA INJECTIONS PERFORMED IN OUR PAIN UNIT DURING THREE MONTHS</b></p> <p><u>C. Congo Silva</u>, J. Folch Ibañez, J. Guitart Vela, R.M. Vidal Sicart, J.M. Vazquez Ignacio, C. Gracia Fabre, O. Carreras Salcedo (<i>Spain</i>)</p>
eP151	<p><b>EFFICACY AND SAFETY OF AMTOLMETIN GUACYL (AMG) IN THE MANAGEMENT OF KNEE OSTEOARTHRITIS AND ASSOCIATED DYSPEPSIA IN ROUTINE CLINIC SETTING</b></p> <p><u>L. Denisov</u>, E. Tsvetkova, E. Nasonov (<i>Russian Federation</i>)</p>
eP152	<p><b>THE EFFICACY OF BALANCE FOAM PAD AS ADJUNCT THERAPEUTIC EXERCISE AMONG KNEE OSTEOARTHRITIS PATIENTS OF A TERTIARY HOSPITAL: A RANDOMIZED CONTROLLED TRIAL</b></p> <p><u>A.Z. Bondoc</u>, M.A. Gabua (<i>Philippines</i>)</p>
eP153	<p><b>NEUROPATHIC PAIN SYMPTOMS IN KNEE OSTEOARTHRITIS PATIENTS</b></p> <p><u>J. Ivacic</u>, A. Knezevic, K. Boskovic, S. Tomasevic-Todorovic, M. Jeremic-Knezevic (<i>Serbia</i>)</p>
eP154	<p><b>GENICULAR NERVES RADIOFREQUENCY ABLATION FOR CHRONIC KNEE PAIN TREATMENT. EVALUATION OF FIRST YEAR OUTCOMES IN A DISTRICT HOSPITAL</b></p> <p><u>B. Bardisa de la Iglesia</u>, P. Caro Gomez, A. Benlloch Beitia, A. Guerri Cebollada, M. Pasek, C. Ivars Parraga (<i>Spain</i>)</p>
eP155	<p><b>TYPE 2 DIABETES, OSTEOARTHRITIS AND PAIN</b></p> <p>I. Sierra-Martínez, L. Sierra-Martínez, <u>R. Martínez-Fuerte</u>, N. Snaz-González (<i>Spain</i>)</p>
eP156	<p><b>NEW APPLY OF BUPRENORPHINE PATCH ON PAIN SITE IN PATIENTS OF KNEE OSTEOARTHRITIS</b></p> <p>S.Y. Lee, <u>J.B. Choi</u> (<i>Korea, Republic of</i>)</p>
eP157	<p><b>CONSUMPTION OF NSAIDS IN PATIENTS WITH RHEUMATOID ARTHRITIS AND ANKYLOSING SPONDYLITIS FOR PAIN CONTROL</b></p> <p><u>P. Abreu</u>, C. Rocha (<i>Portugal</i>)</p>
eP158	<p><b>THE ANTINOCICEPTIVE AND ANTIDEPRESSANT EFFECTS OF SLOW RELEASING HYDROGEN SULFIDE DONORS IN ANIMALS WITH CHRONIC OSTEOARTHRITIC PAIN</b></p> <p>G. Batallé, L. Cabarga, <u>O. Pol</u> (<i>Spain</i>)</p>
eP159	<p><b>WHOLE BODY VIBRATION IN EXPERIMENTAL OSTEOARTHRITIS IN MALES AND FEMALES - EFFECTS ON PAIN AND CARTILAGE DESTRUCTION</b></p> <p><u>J. Temp</u>, U. Zabarylo, A. Tack, D. Labuz, K. Raum, S. Zachow, H. Machelska (<i>Germany</i>)</p>
eP160	<p><b>ASSOCIATION BETWEEN PSYCHOLOGICAL FACTORS PRESENT IN PATIENTS OF KNEE OSTEOARTHRITIS</b></p> <p><u>A. Romeo Méndez</u>, R. Ballester-Arnal (<i>Spain</i>)</p>
eP161	<p><b>EFFECT OF GINGER ON PAIN AND FUNCTION IN KNEE OSTEOARTHRITIS: SYSTEMATIC REVIEW WITH META-ANALYSIS</b></p> <p><u>F. Araya Quintanilla</u>, H. Gutierrez Espinoza, M.J. Muñoz Yanez, U. Sanchez Montoya, J. Lopez - Jeldes (<i>Chile</i>)</p>
eP162	<p><b>THE MAJOR RISK FACTORS FOR DEVELOPING INTENSIVE KNEE PAIN IN PATIENTS WITH OSTHEOARTHRITIS</b></p> <p>E. Taskina, <u>L. Alekseeva</u>, N. Kashevarova, S. Anikin, E. Sharapova, E. Strebkova, K. Telyshev (<i>Russian Federation</i>)</p>

## E-Posters (all days)

Poster	Abstract
eP163	<p><b>PAIN AND QUALITY OF LIFE IMPROVEMENT IN RHEUMATOID ARTHRITIS ON TREATMENT WITH TOCILIZUMAB</b></p> <p><u>P. Athanassiou</u>, E. Devetzi, L. Athanassiou, P. Tsakiridis, M. Gatsiou, A. Tzanavari, I. Kostoglou (<i>Greece</i>)</p>
eP164	<p><b>EFFECT OF FOOT AND/OR ANKLE PATOLOGY AND PAIN TO FUNCTIONAL RECOVERY IN UNICOMPARTMENTAL ARTHROPLASTY</b></p> <p>H.R. Güngör, <u>N. Bükür</u>, G. Bayrak, N. Ök, R. Şavkın (<i>Turkey</i>)</p>
eP165	<p><b>ARTICULAR CONSEQUENCES OF A LIFE WITHOUT PAIN AND LESSONS FOR NOVEL ANALGESIA: A LITERATURE REVIEW AND ANALYSIS</b></p> <p><u>A.A. Khalid</u> (<i>United Kingdom</i>)</p>

### PAIN IN THE NECK AND CERVICORADICULAR PAIN

eP166	<p><b>BRAIN NEUROTRANSMISSION, EXERCISE AND COGNITIVE FUNCTIONING IN PEOPLE WITH CHRONIC WHIPLASH-ASSOCIATED DISORDERS: A RANDOMIZED CONTROLLED CROSSOVER STUDY</b></p> <p><u>I. Coppieeters</u>, J. Nijs, M. Meeus, M. De Kooning, E. Rheel, E. Huysmans, R. Pas, W. Van Bogaert, I. Hubloue, K. Ickmans (<i>Belgium</i>)</p>
eP167	<p><b>THE EFFECTS OF PERCUTANEOUS NUCLEOPLASTY AND ANTERIOR DISCECTOMY IN PATIENTS WITH CERVICAL RADICULOPATHY DUE TO A CONTAINED DISC HERNIATION: A RANDOMIZED CONTROLLED TRIAL</b></p> <p><u>J.D. de Rooij</u>, B.S. Harhangi, H. Aukes, D.L. Stronks, J.G. Groeneweg, F.J.P.M. Huygen (<i>Netherlands</i>)</p>
eP168	<p><b>EFFECTS OF A SINGLE DRY NEEDLING SESSION OF THE OBLIQUUS CAPITIS INFERIOR ON THE ALTERED SENSORIMOTOR FUNCTION IN PEOPLE WITH NECK PAIN</b></p> <p><u>C. Murillo</u>, E. Lluch, J. Peral, B. Cagnie, D. Falla, J. Treleaven (<i>Belgium</i>)</p>
eP169	<p><b>PAIN SÍNDROME IN NEURALGIC AMYOTROPHY (NA) OR PARSONAGE-TURNER SÍNDROME, DO WE HAVE IT UNDER CONTROL? A CASE REPORT</b></p> <p><u>C. Agreda Garcia</u>, A. Mendiola, M. Herrero, S. Martinez, B. San Antonio (<i>Spain</i>)</p>
eP170	<p><b>SPINAL CORD STIMULATION AT 10 KHZ FOR CHRONIC UPPER LIMB AND NECK PAIN: AUSTRALIAN EXPERIENCE</b></p> <p><u>J. Salmon</u>, P. Verrills, M. Russo (<i>Australia</i>)</p>
eP171	<p><b>ADVERSE EFFECTS AS A CONSEQUENCE OF BEING THE SUBJECT OF ORTHOPAEDIC MANUAL THERAPY TRAINING, RESULTS OF A WORLDWIDE RETROSPECTIVE SURVEY</b></p> <p><u>M. Thoomes-de Graaf</u>, E. Thoomes, L. Carlesso, R. Kerry, A. Rushton (<i>Netherlands</i>)</p>
eP172	<p><b>16-WEEK MINDFULNESS THERAPY EFFECTIVENESS COMPARING WITH MUSCLE RELAXATION TECHNIQUES IN PATIENTS WITH NONSPECIFIC NECK PAIN: A RANDOMIZED CONTROLLED TRIAL</b></p> <p><u>G. Shevtsova</u>, L. Medvedeva, O. Zagorulko, M. Churukanov (<i>Russian Federation</i>)</p>

## E-Posters (all days)

Poster	Abstract
<b>PERIPHERAL NEUROPATHIC PAIN</b>	
eP173	<p><b>HORMONAL STATUS AND COGNITIVO-EMOTIONAL PROFILE IN REAL-LIFE NEUROPATHIC PAIN PATIENTS: A CASE CONTROL STUDY</b></p> <p><u>A. Corriger</u>, M. Duclos, J.-B. Corcuff, C. Lambert, G. Marceau, V. Sapin, N. Macian, B. Pereira, G. Pickering (<i>France</i>)</p>
eP174	<p><b>P2X4 RECEPTOR IN DORSAL ROOT GANGLIA IS INVOLVED IN NEUROPATHIC BUT NOT IN INFLAMMATORY HYPERALGESIA</b></p> <p><u>G.F. Catroli</u>, F.H. Farias, S.F. Magalhães, K. Malange, J.B.P. Lemes, S.R. Consonni, C.A. Parada (<i>Brazil</i>)</p>
eP175	<p><b>EFFICACY AND SAFETY OF A RECOMBINANT SOLUBLE HUMAN THROMBOMODULIN (ART-123) IN REDUCING THE SEVERITY OF OXALIPLATIN INDUCED PERIPHERAL NEUROPATHY (OIPN): A PLACEBO-CONTROLLED, RANDOMIZED DOUBLE-BLIND STUDY</b></p> <p><u>S. Takemasa</u>, G. Kusakawa, T. Sakai, M. Takamoto, Y. Uchida, S. Kimoto, Y. Saito (<i>Japan</i>)</p>
eP176	<p><b>PRELIMINARY RESULTS OF COMPARATIVE PROTEOMIC PROFILING OF SCIATIC NERVE, PLASMA AND CSF IN A RAT MODEL OF NEUROPATHIC PAIN</b></p> <p><u>S. Wigge</u>, A. Kless (<i>Germany</i>)</p>
eP177	<p><b>THE ROLE OF MITOCHONDRIAL SIRT3 IN NEUROPATHIC PAIN</b></p> <p><u>S. Ilari</u>, F. Lauro, L.A. Giancotti, R. Macri, A. Condemi, V. Malafoglia, M. Gliozzi, M. Tafani, M. Fini, V. Mollace, D. Salvemini, C. Muscoli (<i>Italy</i>)</p>
eP178	<p><b>COMPARISON OF ANTINOCICEPTIVE EFFECTS PRODUCED BY HALOPERIDOL, BD-1063, GABAPENTIN AND TRAMADOL IN RATS WITH CHRONIC CONSTRICTION OF THE SCIATIC NERVE</b></p> <p><u>F.J. López-Muñoz</u>, J.V. Espinosa-Juárez (<i>Mexico</i>)</p>
eP179	<p><b>THE 8% CAPSAICIN PATCH IN THE CRANIOCERVICAL SCAR ALSO RELIEVES PAIN IN THE TRIGEMINAL AREA</b></p> <p><u>M.J. Goberna</u>, M. Mayo, A. Carregal (<i>Spain</i>)</p>
eP180	<p><b>TOPICAL 5% LIDOCAINE MEDICATED PLASTER IN POST-SURGICAL NEUROPATHIC PAIN (PSNP) AFTER SPINE SURGERY: A RANDOMIZED CLINICAL TRIAL</b></p> <p><u>L.G. Giaccari</u>, P. Sansone, E. Maurizio, C. Minnucci, M.C. Pace, M.B. Passavanti, V. Pota, S. Sardo, C. Aurilio (<i>Italy</i>)</p>
eP181	<p><b>MENTHOL GEL FOR THE MANAGEMENT OF CHEMOTHERAPY-INDUCED NEUROPATHIC PAIN - A CASE REPORT</b></p> <p><u>H. Kokki</u>, M. Kokki (<i>Finland</i>)</p>
eP182	<p><b>ANALGESIC IMPACT OF TREATMENT WITH REPEATED CAPSAICIN PATCHES IN LOCALIZED NEUROPATHIC PAIN</b></p> <p><u>R. Galvez</u>, M. Sanchez Garcia, A. Vela, C. Maire, D. Lopez Campos, M.D. Caballero (<i>Spain</i>)</p>
eP183	<p><b>ACUPUNCTURE THERAPY FOR NEUROPATHIC PAIN IN AXONAL SENSORIMOTOR POLYNEUROPATHY: A CASE REPORT</b></p> <p><u>B. Jerkovic Parac</u> (<i>Slovenia</i>)</p>
eP184	<p><b>DRY NEEDLING OF MYOFASCIAL TRIGGER POINTS UNDER ULTRASOUND GUIDANCE REDUCE THE SYMPTOMS OF PERIPHERAL NEUROPATHY</b></p> <p><u>R. Bubnov</u>, L. Kalika (<i>Ukraine</i>)</p>

## E-Posters (all days)

Poster	Abstract
eP185	<b>ANALGESIC EFFECTS OF CNIDIUM OFFICINALE EXTRACTS ON POSTOPERATIVE, NEUROPATHIC AND MENOPAUSAL PAIN IN RAT MODELS</b> E.Y. Lim, Y.T. Kim ( <i>Korea, Republic of</i> )
eP186	<b>DORSAL ROOT GANGLION NEURONS ASSEMBLE AN AXON INITIAL SEGMENT-LIKE STRUCTURE THAT MAY MODULATE THEIR EXCITABILITY IN NEUROPATHIC PAIN</b> A.I. Nascimento, L. Laracho Luz, F. Mar, B. Safronov, M. Mendes Sousa ( <i>Portugal</i> )
eP187	<b>POTENTIAL PREDICTIVE BIOMARKERS FOR CETUXIMAB IN THE TREATMENT OF NEUROPATHIC PAIN -EXPLORATORY BIOMARKER ANALYSIS FROM THE NOTOPAIN TRIAL-</b> C. Kersten, A.G. Bailey, J. Göpfert, S. Mjåland, F. Daly, M.G. Cameron ( <i>Norway</i> )
eP188	<b>CAPSAICINE 8% PATCH PROTOCOL - AUDIT 1 YEAR AFTER IMPLEMENTATION</b> C. Vieira, S. Cavalete, S. Silva, M.F. Soares, L. Aqualusa ( <i>Portugal</i> )
eP189	<b>QUTENZA FOR A NEUROPATHIC THORACOLUMBAR PAIN AFTER VERTEBROPLASTY</b> R. Andolz Linares, M. Hinojosa Zaguirre, M. Boldo Alcaine, M.J. Durà Mata, D. Samper Bernal ( <i>Spain</i> )
eP190	<b>UNCOVERING THE MODULATION PROCESSES OF MECHANICAL ALLODYNIA INDUCED BY MECHANICAL STIMULATION ON PERIPHERAL NERVOUS SYSTEM.</b> G. Carta, F. Fregnan, G. Gambarotta, S. Geuna ( <i>Italy</i> )
eP191	<b>MAKING QST A PAIN BIOMARKER: WHAT THE PROPERTIES OF STIMULATION ARE NEEDED TO SEPARATE PAINFUL FROM PAINLESS PERIPHERAL NEUROPATHY</b> M. Nemenov, S. Haroutounian ( <i>United States</i> )
eP192	<b>USE OF THE NON-MEDICATION ON THE TREATMENT OF NEUROPATHIC POST-TRAUMATIC PAIN IN THE LIMBS</b> O. Tondiy ( <i>Ukraine</i> )
eP193	<b>ANALGESIA AND SENSORY DEFICIT FOLLOWING PULSED RADIOFREQUENCY (PRF) FOR PERSISTING PAIN AFTER BREAST CANCER TREATMENT (PPBCT)- RESULTS OF A SIX YEAR (PILOT) STUDY</b> A. Lukas, V. van der Noort, L. Pronk, F. Birklein, R. Perez ( <i>Netherlands</i> )
eP194	<b>CAPSAICIN 8% PATCH IN TRIGEMINAL NEURALGIA: CASE REPORTS</b> A. Carballude García, N. Adán Valencia, L. Cánovas Martínez, L. Lamelas, E. Villar Arcay, P. Seoane ( <i>Spain</i> )
eP195	<b>THE PATIENT JOURNEY IN PAINFUL DIABETIC PERIPHERAL NEUROPATHY (PDPN): REVEALING GAPS BETWEEN GUIDELINES AND REALWORLD PRACTICE</b> J. Tempero, C. Butler, H. Blaszcok, Ö. Sancak ( <i>Germany</i> )
eP196	<b>CHEMOTHERAPY INDUCED PERIPHERAL NEUROPATHY AND THE RESPONSE TO DIFFERENT TREATMENT IN A SPECIALIST CANCER CENTRE</b> F. Ayob, D. Magee, M. Brown, J. Williams, P. Farquhar-Smith ( <i>United Kingdom</i> )
eP197	<b>A PILOT STUDY INVESTIGATING WHETHER QUANTITATIVE SENSORY TESTING ALTERS FOLLOWING TOPICAL HIGH CONCENTRATION CAPSAICIN TREATMENT IN PATIENTS WITH NEUROPATHIC PAIN</b> T. Wodehouse, C. Guest, V. Mehta, S. Ramaswamy ( <i>United Kingdom</i> )
eP198	<b>INTRAVENOUS LACOSAMIDE AND NEUROPATHIC PAIN</b> N. Segura Marín, E. Pastor Martinez, C. Tornero ( <i>Spain</i> )

## E-Posters (all days)

Poster	Abstract
<b>PHANTOM LIMB PAIN</b>	
eP199	<b>PAIN AND ITS IMPACT IN MUSCULOSKELETAL TUMOR LOWER LIMB AMPUTEES</b> <i>A.S. Cueva, P. G. Plapler, J.P. Zumarraga, O. Pires de Camargo (Ecuador)</i>
eP200	<b>PHANTOM LIMB PAIN: PRESUMABLE MECHANISMS OF EMPATHO-TECHNIQUE USAGE</b> <i>V. Ishinova (Russian Federation)</i>
eP201	<b>NEUROPHYSIOLOGICAL CORRELATES OF SENSORIMOTOR CORTICAL GATING EFFECT WITH THE MIRROR BOX (MB) PROCEDURE: AN EEG PILOT STUDY.</b> <i>M. Rizzo, L. Petrini, C. Babiloni, L. Arendt-Nielsen (Denmark)</i>
<b>VASCULAR PAIN</b>	
eP202	<b>SPINAL CORD STIMULATION ON THE TREATMENT OF RAYNAUD'S DISEASE</b> <i>E. Ertilav, O.N. Aydın (Turkey)</i>
<b>VISCERAL PAIN</b>	
eP203	<b>NON-INVASIVE TREATMENT OF ADHESION-RELATED CHRONIC ABDOMINAL AND PELVIC PAIN AFTER SURGERY: A SYSTEMATIC REVIEW</b> <i>B.A.W. van den Beukel, R.P.G. Ten Broek, R. de Ree, H. van Goor (Netherlands)</i>
eP204	<b>THE DIFFERENTIAL DIAGNOSTIC APPROACH ON CHRONIC PELVIC PAIN</b> <i>A. Hadunkina, I. Evansa, V. Džabijeva, N. Zlobina (Latvia)</i>
eP205	<b>HUMAN LABOR PAIN IS INFLUENCED BY THE VOLTAGE-GATED POTASSIUM CHANNEL <math>K_v6.4</math> SUBUNIT</b> <i>M. Nahorski, M. Lee, J. Hockley, V. Lu, D. Menon, F. Reimann, E. Smith, G. Woods (United Kingdom)</i>
<b>WIDESPREAD PAIN</b>	
eP206	<b>CRITICAL ROLE OF CAV3.2 T-TYPE CALCIUM CHANNELS IN H<sub>2</sub>S-DEPENDENT SOMATIC AND VISCERAL PAIN SIGNALING IN MICE</b> <i>K. Matsui, S. Fukushi, N. Koike, A. Yamagata, M. Tsubota, Y. Mukai, A. Oita, M. Takada, A. Kawabata (Japan)</i>
eP207	<b>A SYSTEMATIC REVIEW AND PROSPECTIVE STUDY INTO THE INFLUENCE OF AMBIENT TEMPERATURE ON PAIN INTENSITY IN FIBROMYALGIA</b> <i>R. Berwick, D. Anderson, S. Bevan, C. Gentry, A. Goebel (United Kingdom)</i>
eP208	<b>THE BIOPSYCHOSOCIAL APPROACH IN MANAGEMENT OF CHRONIC PAIN - AN INDIAN PRESPECTIVE</b> <i>D. Bibra, G. Dureja, S. Hora (India)</i>
eP209	<b>PLASMA EXCHANGE TREATMENT FOR SEVERE FIBROMYALGIA SYNDROME</b> <i>A. Goebel, D. Andersson, C. Gentry, S. Bevan, S. Jones, T. Callaghan (United Kingdom)</i>
eP210	<b>AUTONOMIC DYSREGULATION AND FIBROMYALGIA</b> <i>N. Macian, A. Achard, S. Sickout-Arondo, G. Ducheix, B. Pereira, J.M. Cardot, G. Pickering (France)</i>



## E-Posters (all days)

Poster	Abstract
eP211	<b>PAIN HYPERSENSIVITY AND MYOFASCIAL TRIGGER POINT OF THE FIRST DORSAL INTEROSSEUM MUSCLE IN PATIENTS WITH RHIZARTRHOSIS</b> <u>P. Pedersini</u> , J.H. Villafañe, S. Negrini ( <i>Italy</i> )
eP212	<b>ALTERED BLOOD PROTEINS CORRELATE SIGNIFICANTLY WITH DEPRESSION, ANXIETY AND SEVERITY OF FIBROMYALGIA</b> <u>K. Wåhlén</u> , B. Gerdle, K. Mannerkorpi, E. Kosek, M. Ernberg, B. Ghafouri ( <i>Sweden</i> )
eP213	<b>THERMAL HYPERALGESIA RESPONSES AND INTRAEPIDERMAL DENSITY OF CGRP-POSITIVE FIBERS IN DIFFERENT ANIMALS MODELS OF PATHOLOGICAL PAIN: A PRELIMINARY STUDY</b> <u>J. Homs</u> , A. Battle-Salvans, M. Deulofeu, P. Boadas-Vaello, E. Verdú ( <i>Spain</i> )
eP214	<b>EVALUATION OF POLYARTHRALGIA</b> I. Sierra-Martínez, L. Sierra-Martínez, <u>R. Martínez-Fuerte</u> , N. Snaz-González ( <i>Spain</i> )
eP215	<b>COGNITIVE AND BEHAVIORAL FACTORS ASSOCIATED WITH PAIN IN PEOPLE DIAGNOSED WITH FIBROMYALGIA: A QUALITATIVE META-SYNTHESIS</b> <u>C. Climent-Sanz</u> , M. Gracia-Lasheras, H. Fernández-Lago, R. Pastells-Peiró, J. Blanco-Blanco, F. Valenzuela-Pascual, F. Rubí-Carnacea, M. Gea-Sánchez ( <i>Spain</i> )
eP216	<b>DEPRESSION AND TRAIT-ANXIETY MEDIATE THE INFLUENCE OF CLINICAL PAIN ON HEALTH-RELATED QUALITY OF LIFE IN FIBROMYALGIA</b> <u>C.M. Galvez Sánchez</u> , C.I. Montoro, S. Duschek, G.A. Reyes del Paso ( <i>Spain</i> )
eP217	<b>ELECTROMYOGRAPHIC ABNORMALITIES OF THE SACRAL NERVE ROOT MYOTOMES ARE HIGHLY PREVALENT IN FIBROMYALGIA</b> M. Hulens, F. Bruyninckx, P. De Mulder, G. Vansant, I. Stalmans, <u>R. Rasschaert</u> , C. Bervoets, W. Dankaerts ( <i>Belgium</i> )
eP218	<b>SPINAL CORD STIMULATION AT 10 KHZ FOR TREATMENT OF ELHERS DANLOS SYNDROME</b> <u>J. Salmon</u> ( <i>Australia</i> )
eP219	<b>ANTINOCICEPTIVE AND BEHAVIOURAL EFFECTS OF PREGABALIN IN FEMALE MICE SUBJECTED TO RESERPINE-INDUCED MYALGIA AND INTRAMUSCULAR ACIDIFIED SALINE INJECTION</b> <u>B. Alvarez-Perez</u> , M. Deulofeu, L. Romero, E. Portillo-Salido, P. Boadas-Vaello, E. Verdu ( <i>Spain</i> )

### ANATOMY AND PHYSIOLOGY SOMATOSENSORY SYSTEM

eP220	<b>CEREBRAL PROCESSING OF NOCICEPTIVE STIMULI PREDICTS SLEEP DISRUPTION</b> <u>H. Bastuji</u> , L. Ruelle Le Glaunec, C. Perchet, L. Garcia Larrea ( <i>France</i> )
eP221	<b>ACUTE PAIN “CHRONIFICATION” - IS THIS RELEVANT?</b> <u>S. Butler</u> , A. Woodhouse, T. Longmark, M. Glette, P. Borchgrevink ( <i>Sweden</i> )
eP222	<b>DEVELOPMENT OF COLD TOLERANCE AFTER LONG-TERM COLD EXPOSURE</b> <u>S. Ezzatpanah</u> , F. Haugen ( <i>Norway</i> )
eP223	<b>THE ASSOCIATION BETWEEN GUT MICROBIOME COMPOSITION AND PAIN PERCEPTION IN YOUNG HEALTHY SUBJECTS</b> <u>Y.-C. Arai</u> , Y. Shiro, T. Ikemoto ( <i>Japan</i> )

## E-Posters (all days)

Poster	Abstract
eP224	<p><b>THE EFFECT OF PULSE SHAPE AND FREQUENCY OF ELECTRICAL CONDITIONING STIMULATION ON THE INDUCTION OF SECONDARY HYPERALGESIA</b>  <u>A. Stouffs</u>, L. Lebrun, A. Mouraux, E.N. van den Broeke (<i>Belgium</i>)</p>
eP225	<p><b>THE INFLUENCE OF SKIN TYPE AND LASER WAVELENGTH ON LASER-EVOKED BRAIN RESPONSES: PRELIMINARY RESULTS</b>  <u>F. Arguissain</u>, K.S. Frahm, S. Gervasio, A. Mouraux (<i>Denmark</i>)</p>
eP226	<p><b>ANTINOCICEPTIVE EFFECTS OF VITAMIN B12 AND KETOROLAC IN LONG EVANS RATS IN WRITHING TEST</b>  <u>M.M. Rahman</u>, N. Begum, T. Ali, M. Abdur Rouf, S. Masood (<i>Bangladesh</i>)</p>
eP227	<p><b>MODERATE ASSOCIATION BETWEEN PRESSURE PAIN THRESHOLD AND MUSCLE VISCOELASTIC PROPERTIES OF GASTROCNEMIUS MUSCLES IN HEALTHY INDIVIDUALS: A PRELIMINARY STUDY</b>  I. García-Bernal, A.M. Heredia-Rizo, A. Rocandio Martínez, M. García Bono, <u>P. González-García</u> (<i>Spain</i>)</p>
eP228	<p><b>LATERALITY JUDGEMENT AND TACTILE ACUITY IN PATIENTS WITH FROZEN SHOULDER: A CASE-CONTROL STUDY</b>  <u>L. Dueñas Moscardó</u>, S. Mena del Horno, M. Balasch i Bernat, E. Lluch Girbés (<i>Spain</i>)</p>

### BIOLOGY

eP229	<p><b>TARGETED SINGLE BASE RESOLUTION ANALYSIS OF DNA METHYLATION IN FIBROMYALGIA WOMEN AND THEIR HEALTHY SISTERS</b>  <u>M.C. Gerra</u>, I.S. Pedersen, D. Carnevali, M. Manfredini, C. Donnini, A. González-Villar, Y. Triñanes, M. Pidal-Miranda, L. Arendt-Nielsen, M.T. Carrillo-de-la-Peña (<i>Denmark</i>)</p>
eP230	<p><b>FUNCTIONAL OMICS APPROACH TO IDENTIFY OVERLAPPING AND UNIQUE PAIN PATHWAYS</b>  <u>A. Kless</u>, J. Bothmer (<i>Germany</i>)</p>
eP231	<p><b>FRACTALKINE-INDUCED HYPEREXCITABILITY OF SPINAL DORSAL HORN NEURONS IN AN ANIMAL MODEL OF MYOFASCIAL LOW BACK PAIN</b>  <u>V. Blechschmidt</u>, K. Sessler, U. Hoheisel, R.-D. Treede (<i>Germany</i>)</p>
eP232	<p><b>GUT MICROBIOTA DYSBIOSIS REDUCED NEUROPATHIC PAIN IN MICE BY MODULATING MICROGLIOSIS</b>  <u>L. Xiaodong</u>, I.H.T. Ho, Y. Zou, T. Gin, W.K.K. Wu, M.T.V. Chan (<i>Hong Kong, China</i>)</p>

### DIGITIZATION IN PAIN MANAGEMENT

eP233	<p><b>INFERRING FUNCTIONAL STATUS IN PEOPLE WITH PAIN-LIMITED MOBILITY USING PATTERNS DERIVED FROM PHYSICAL ACTIVITY MONITORS</b>  <u>M. Smuck</u>, V. Agarwal, N. Shah (<i>United States</i>)</p>
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## E-Posters (all days)

Poster	Abstract
<b>EDUCATION OF PAIN CARE</b>	
eP234	<p><b>A MULTI-PARAMETER MACHINE LEARNING AI APPROACH FOR OBJECTIVE MEASUREMENT OF PAIN</b>  <u>Y. Hadjiat</u>, F. Labuschagne, C. Killia, Y. Minghao, C. Gengbo, K. Singh Rajput (<i>Singapore</i>)</p>
eP235	<p><b>BRAZILIAN INTERNET RESEARCH ON CHRONIC PAIN: AN OVERVIEW</b>  A. Loduca, <u>B.M. Müller</u>, A.S. Focosi, L.T. Yeng, M.J. Teixeira (<i>Brazil</i>)</p>
eP236	<p><b>EVALUATING THE IMPACT OF EDUCATION PROGRAM ON IMPROVING NURSING KNOWLEDGE AND ATTITUDES TOWARDS PAIN WITHIN A DISTRICT GENERAL HOSPITAL</b>  <u>M. Galligan</u>, C. Wilson (<i>United Kingdom</i>)</p>
eP237	<p><b>A STUDY ON KNOWLEDGE, ATTITUDES AND PRACTICES REGARDING PAIN MANAGEMENT AMONG MEDICAL OFFICERS OF THE SRI JAYEWARDENEPURA GENERAL HOSPITAL</b>  K.P. Jayawickreme, <u>U.A.W.L. Perera</u>, D.H.P. Dissanayake, S. Subasinghe (<i>Sri Lanka</i>)</p>
eP238	<p><b>ANTENATAL EXPECTATIONS: PAIN, METHODS OF PAIN RELIEF, INFORMED DECISION MAKING</b>  A.C. Rocha, <u>P. Abreu</u> (<i>Portugal</i>)</p>
eP239	<p><b>ELECTRONIC CONSULTATIONS BETWEEN PRIMARY AND SPECIALTY CARE CLINICIAN. RESPONSE TIME</b>  <u>M. Mayo- Moldes</u>, A. Carregal, T. Fernandez (<i>Spain</i>)</p>
eP240	<p><b>ASSESSING THE IMPACT OF PATIENT UNDERSTANDING ON PAIN PERCEPTION SCORING IN A COHORT OF PATIENTS ATTENDING A CHRONIC PAIN CLINIC</b>  <u>S. Javid</u> (<i>United Kingdom</i>)</p>
<b>EPIDEMIOLOGY</b>	
eP241	<p><b>PAIN CHARACTERISTICS OF PATIENTS REFERRED TO A UNIVERSITY HOSPITAL SECONDARY CARE PAIN MEDICINE SERVICE IN LIVERPOOL, UK</b>  <u>H.K. Tsang</u>, L. Biggs, K. Herron (<i>United Kingdom</i>)</p>
eP242	<p><b>MOST PREVALENT DIAGNOSES ASSOCIATED WITH CHRONIC PAIN IN ANDALUSIA. GENDER DIFFERENCES</b>  <u>C.-M. Rocio</u>, E. Gil-García, M.Á. Dueñas-Rodríguez, A. Cabrera-León, I. Failde-Martínez, A.M. Porcel-Gálvez (<i>Spain</i>)</p>
eP243	<p><b>EVALUATION OF THE EPIDEMIOLOGY OF CONSTIPATION AS AN ADVERSE EVENT OF OPIOID USE IN THE UNITED KINGDOM IN RELATION TO OPIOID ANALGESIA POTENCY</b>  C. Morgan, <u>P. Conway</u>, C. Currie, R. Knaggs (<i>United Kingdom</i>)</p>
eP244	<p><b>PAIN IN CHILDREN AND YOUNG ADULTS WITH CEREBRAL PALSY</b>  <u>E. Eriksson</u> (<i>Sweden</i>)</p>
eP245	<p><b>PATTERNS OF CHRONIC PAIN IN OUTPATIENTS</b>  N. Ninashvili, <u>M. Shavdia</u>, K. Tchaava, N. Gegeshidze, S. Tsaria (<i>Georgia</i>)</p>

## E-Posters (all days)

Poster	Abstract
eP246	<p><b>RISK FACTORS FOR DEVELOPING INSOMNIA IN CHRONIC SPINAL PAIN PATIENTS: A SYSTEMATIC REVIEW AND META-ANALYSIS</b></p> <p>T. Bilterys, C. Siffain, I. De Maeyer, <u>E. Van Looveren</u>, O. Mairesse, J. Nijs, K. Ickmans, M. Meeus, L. Danneels, B. Cagnie, D. Goubert, M. Moens, A. Malfliet (<i>Belgium</i>)</p>
eP247	<p><b>OCCUPATIONAL RISK ASSESSMENT OF LOWER BACK PAIN FOR INDUSTRY WORKERS</b></p> <p><u>V. Shirokov</u>, A. Potaturko, N. Terehov (<i>Russian Federation</i>)</p>
<b>ETHICS AND LEGAL ISSUES</b>	
eP248	<p><b>PROCEDURAL CONSENT - DO ACUTE AND PERSISTENT PAIN WARRANT A MENTION?</b></p> <p><u>C. Gullberg</u>, F.J. Cox, C. Sear, F. Ferreira (<i>United Kingdom</i>)</p>
<b>HISTORY</b>	
eP249	<p><b>IS THE BRITISH NATIONAL FORMULARY THE BIBLE OF CHRONIC PAIN MANAGEMENT?</b></p> <p><u>J. Noyes</u> (<i>United Kingdom</i>)</p>
eP250	<p><b>POLISH PIONEERS OF REGIONAL ANAESTHESIA</b></p> <p><u>R. Zajączkowska</u>, M. Kocot-Kępska, H. Misiólek, A. Daszkiewicz, J. Jakowicka-Wordliczek, A. Przeklasa-Muszyńska, J. Dobrogowski, J. Wordliczek (<i>Poland</i>)</p>
<b>ORGANISATION OF CLINICAL PAIN CARE</b>	
eP251	<p><b>TEAM WORKING AND INTERPROFESSIONAL PRACTICE IN HEADACHE MANAGEMENT</b></p> <p><u>A. Ciardo</u> (<i>Spain</i>)</p>
eP252	<p><b>FIVE YEARS OF AN INTEGRATED PAIN POLICY PROJECT IN THE BELGIAN HOSPITALS</b></p> <p><u>O. Vanhaute</u>, A. Berquin, S. Broeckmans, V. Callebaut, G. Crombez, D. Dicker, G. Hans, C. Henne, M.-C. Schommer, S. Van den Bogaert, I. Van der Brempt (<i>Belgium</i>)</p>
eP253	<p><b>PAIN MANAGEMENT IN EMERGENCY DEPARTMENT: FROM TRIAGE TO SPECIALIZED CARE</b></p> <p><u>M. Sanches</u>, A. Desidera, P. Moleiro, M. Marion, R.C. Souza, A.E. Santos, W.R.M. Baia (<i>Brazil</i>)</p>
eP254	<p><b>ROLE OF A CLINICIAN NURSE IN MANAGEMENT OF HOSPITAL CONSULTATION REFERRALS IN A TERTIARY CARE PAIN CLINIC. PRELIMINARY RESULTS</b></p> <p>L. Guay, <u>G. Vargas-Scheffer</u>, M. Eghtesadi (<i>Canada</i>)</p>
eP255	<p><b>BY THE WAY — LAST MINUTE DISCLOSURES</b></p> <p><u>T. Vemmer</u> (<i>United Kingdom</i>)</p>
eP256	<p><b>A PROPOSAL OF VIRTUAL COMMUNICATION BETWEEN PRIMARY CARE UNITS AND THE CHRONIC PAIN UNIT</b></p> <p><u>A. Martínez</u>, C. Castillo, M. Turmo, M. García, Z. Mantashian (<i>Spain</i>)</p>
eP257	<p><b>PSYCHOPHYSICAL MULTI-PROFESSIONAL PAIN THERAPY GROUP AS PART OF OCCUPATIONAL HEALTH CARE AND TREATMENT OF CHRONIC PAIN</b></p> <p><u>M.-L. Hyypiä</u>, S. Rusanen (<i>Finland</i>)</p>
eP258	<p><b>THE IMPORTANCE OF A PAIN CLINIC IN PRIMARY CARE - A 4 YEAR EXPERIENCE</b></p> <p>R. Marques Pereira, <u>A.S. Barbosa</u>, M. Cerqueira (<i>Portugal</i>)</p>

# E-Posters (all days)

Poster	Abstract
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## ORGANISATION OF RESEARCH IN PAIN

- eP259 **THE EQIPD FRAMEWORK FOR RIGOUR IN THE DESIGN, CONDUCT AND ANALYSIS OF BIOMEDICAL EXPERIMENTS**  
J. Vollert (*United Kingdom*)
- eP260 **ANTINOCICEPTIVE EFFECT OF AVENANTHRAMIDE C IN A RAT MODEL OF INFLAMMATORY PAIN**  
Y.O. Kim, W.M. Kim, H.G. Lee, J.I. Choi, M.H. Yoon (*Korea, Republic of*)

## PSYCHOLOGY

- eP261 **GOAL REENGAGEMENT AS A MEDIATOR BETWEEN SOCIAL SUPPORT AND ADAPTATION OF PATIENTS WITH CHRONIC PAIN**  
E.R. Serrano-Ibáñez, C. Ramírez-Maestre, A.E. López-Martínez, G.T. Ruiz-Párraga, M. Rivera-Pérez, J. Sampedro, O. Buhera, R. Esteve (*Spain*)
- eP262 **THE INFLUENCE OF ATTENTION ON VISUAL INDUCED ANALGESIA**  
M. Diers, L. Cordier, E.M. Ullrich, S. Herpertz, W. Zieglgänsberger, J. Trojan (*Germany*)
- eP263 **PATIENT'S BELIEFS AND VIEWS OF THEIR CHRONIC PAIN**  
M. Bürger Lazar, K. Pavlin, N. Bolle (*Slovenia*)
- eP264 **AUTOMATIC THOUGHTS OF CHRONIC PAIN PATIENTS REGARDING THEIR MEDICAL DOCTOR - PATIENT RELATIONSHIP**  
K. Pavlin, M. Bürger Lazar, N. Bolle (*Slovenia*)
- eP265 **THE ROLE OF FACIAL MUSCLE MANIPULATION IN PAIN-RELATED EXPERIENCE: PILOT STUDY**  
S.J. Oh, S. Cho (*Korea, Republic of*)
- eP266 **MACHINE-LEARNING DERIVED PATTERNS OF PSYCHOLOGICAL PARAMETERS RELATED TO PAIN INTENSITY AND INTERFERENCE IN PATIENTS TREATED FOR BREAST CANCER**  
R. Sipilä, J. Lötsch, E. Kalso (*Finland*)
- eP267 **PREVALENCE OF POST SURGERY CHRONIC PAIN AFTER HYBRID ABLATION OF ATRIAL FIBRILLATION IS PREDICTED BY DEPRESSION, ANXIETY, INTENSITY OF PAIN AND EDUCATION**  
A. Javurkova, J. Raudenska, P. Budera, D. Herman, P. Osmancik (*Czech Republic*)
- eP268 **UNINSTRUCTED PARTICIPANTS USE PAIN SCALES TO INDICATE SOCIAL DISTRESS**  
N. Rosenek, S. Vagena, I. Winterbourne, C. van Reekum, A. Williams, T. Salomons (*United Kingdom*)
- eP269 **HEALTHCARE PROFESSIONALS' BELIEFS AND ATTITUDES TOWARDS CHRONIC PAIN MANAGEMENT**  
J.W. Ramos Braga Junior, M.C. Morete Pinto (*Brazil*)
- eP270 **FUNCTIONAL IMPACT OF COGNITIVE COMPLAINTS IN FIBROMYALGIA PATIENTS**  
M. Pidal-Miranda, M.T. Carrillo-de-la-Peña, A.J. González-Villar, N. Samartin-Veiga, D. Rodríguez-Salgado (*Spain*)
- eP271 **DISSEMINATING, ENGAGING, AND SHARING KNOWLEDGE (DESK): PATIENT INFORMED RESOURCE FOR UNDERSTANDING RESEARCH**  
M. Hanlon, L. O' Connor, S. Haugh, B. O'Grady, J. Flynn, B. McGuire (*Ireland*)

## E-Posters (all days)

Poster	Abstract
<b>SOCIETAL IMPACT</b>	
eP272	<b>PAIN ALLIANCE EUROPE (PAE) SURVEY “PAIN AND STIGMA” 2019 THE CHRONIC PAIN PATIENTS’ EXPERIENCE OF STIGMA WITHIN HEALTHCARE SERVICES AND IN DAY-TO-DAY LIFE</b> <u>M. Nicholson</u> , A. Pop, I.C. Chifu, T.I. Luca ( <i>Belgium</i> )
eP273	<b>CHRONIC PAIN AND VOCATIONAL REHABILITATION: A SCREENING TOOL</b> <u>M. Vander Plaetse</u> , N. Millen, S. Decuman, R. Jakers, A. Verheyen, K. Goorts, L. Godderis, G. Crombez ( <i>Belgium</i> )
eP274	<b>ATHEROSCLEROSIS PHYSIO-PATHOLOGY AND TREATMENT</b> <u>A. Hernandez</u> ( <i>Mexico</i> )
eP275	<b>DETECTION OF SOCIAL PROBLEMS IN CHRONIC PAIN PATIENTS USING A NEW QUESTIONNAIRE</b> <u>A. Ljutow</u> , J. Krebs, K. Schwerzmann, P. Huber ( <i>Switzerland</i> )
eP276	<b>CENTRAL NEUROPATHIC PAIN: IMPLICATIONS FOR THE QUALITY OF LIFE OF PATIENTS WITH SPINAL CORD INJURY</b> <u>D. Andre</u> ( <i>Congo</i> )
eP277	<b>EFFECT OF POSTOPERATIVE AMBULATION LEVEL ON THE QUALITY OF LIFE IN A TRANS-TIBIAL AMPUTEE</b> <u>A. Saraf</u> ( <i>India</i> )
eP278	<b>SOCIETAL IMPACT OF PAIN (SIP) - EXPERIENCES FROM A SIP NATIONAL PLATFORM IN MALTA</b> <u>G. Buttigieg</u> , C. Baluci, M. Grixti, G. Petersen, C. Vella ( <i>Malta</i> )
eP279	<b>SOCIETAL IMPACT OF PAIN (SIP) - EXPERIENCES FROM A SIP NATIONAL PLATFORM IN SPAIN</b> <u>J. Perez Cajaraville</u> , M.S. Garcia, C. Margarit ( <i>Spain</i> )
<b>CLINICAL DIAGNOSTICS FOR THE ASSESSMENT OF PAIN</b>	
eP280	<b>SOCIETAL IMPACT OF PAIN AS A THEMATIC NETWORK OF THE EU HEALTH POLICY PLATFORM</b> <u>V. Carraro</u> , B. Morlion, J. van Griensven, G. Petersen, M. Votta ( <i>Belgium</i> )
eP281	<b>QUANTITATIVE MEASURES OF PAIN SENSITIZATION ARE ASSOCIATED WITH SELF-REPORT CENTRALLY MEDIATED PAIN AS MEASURED BY THE CENTRAL SENSITIZATION INVENTORY IN OSTEOARTHRITIS OF THE KNEE</b> <u>K. Asada</u> , H. O’Leary, K. Smart, C. Blake, B. Fullen, C. Doody ( <i>Ireland</i> )
eP282	<b>ICD11 PC LINEARIZATION AND CLASSIFICATION OF CHRONIC PAIN IN PRIMARY CARE</b> <u>E.A. Fors</u> , B. Smith, A. Barke, B. Korwisi, W. Rief, R.-D. Treede ( <i>Norway</i> )
eP283	<b>INTENSITY OF PAIN IN PATIENTS WITH POLYDISCOPATHY AND CHRONIC LUMBAR SYNDROME</b> <u>S. Pantelinac</u> , K. Bošković, S. Tomašević-Todorović, D. Simić-Panić ( <i>Serbia</i> )
eP284	<b>PAIN EXPERIENCE OF ICU PATIENTS RELATED TO PAIN, ASSESSMENT ADEQUACY AND PAIN CONTROL</b> <u>J. Pejaković</u> , S. Vicković ( <i>Serbia</i> )

## E-Posters (all days)

Poster	Abstract
<b>INSTRUMENTS FOR THE ASSESSMENT OF PAIN</b>	
eP285	<p><b>FACTOR STRUCTURE AND RELIABILITY OF THE CENTRAL SENSITIZATION INVENTORY (CSI) IN A POOLED MULTI-COUNTRY SAMPLE</b></p> <p>A. Cuesta-Vargas, R. Neblett, A. Chiarotto, J. Kregel, J. Nijs, C.P. van Wilgen, L. Pitance, A. Knezevic, R.J. Gatchel, T.G. Mayer, C. Viti, C. Roldan-Jiménez, M. Testa, W. Caumo, M. Jeremic-Knezevic, <u>J. Luciano</u> (Spain)</p>
eP286	<p><b>ASSESSMENT OF PERCEIVED DIFFICULTY OF SELF-REPORT PAIN INSTRUMENTS BY CZECH PATIENTS WITH STROKE</b></p> <p><u>P. Mandysova</u> (Czech Republic)</p>
eP287	<p><b>PAIN MEASUREMENT IN TRAUMATIC AMPUTATIONS IN LOW AND LOWER MIDDLE INCOME COUNTRIES; A SYSTEMATIC REVIEW</b></p> <p>A. Hussey, A. Clarke, M. Davenport, A. Healy, S. McMahon, C. O'Sullivan, <u>B. Fullen</u> (Ireland)</p>
eP288	<p><b>PAIN ASSESSMENT IN INFANTS: INCREASING THE FEASIBILITY OF AUTOMATED FACIAL ASSESSMENT</b></p> <p><u>J. Hughes</u>, M. Atee, K. Hoti (Australia)</p>
eP289	<p><b>ASSESSMENT OF COGNITIVE FUNCTIONS IN PATIENTS WITH FIBROMYALGIA</b></p> <p><u>S. Tomasevic Todorovic</u>, K. Boskovic, T. Spasojevic, A. Knezevic, S. Pantelinac, F. Hanna (Serbia)</p>
eP290	<p><b>EVALUATION OF APPLICABILITY OF WELL-ESTABLISHED MEASUREMENT INSTRUMENTS IN INTERDISCIPLINARY MULTIMODAL PAIN THERAPY: INVESTIGATION OF THE INTERNATIONAL CONSENTED VAPAIN RECOMMENDATIONS</b></p> <p><u>D. Heuβner</u>, K. Wübbenhorst-Holl, R. Sabatowski, U. Kaiser (Germany)</p>
eP291	<p><b>EXPERT AND PATIENT PERSPECTIVES ON THE CROSS-CULTURAL TRANSLATION AND ADAPTATION OF THE CENTRAL SENSITIZATION INVENTORY INTO GERMAN</b></p> <p><u>M. Laekeman</u>, S. Ehrhardt, K. Kuss, F. Petzke, A. Dieterich, R. Neblett, A. Schäfer (Germany)</p>
eP292	<p><b>PUPILLOMETRY FOR OBJECTIVE NOCICEPTIVE ASSESSMENT OF PAIN DURING SURGERY: A DOUBLE BLIND RANDOMISED CONTROLLED TRIAL</b></p> <p><u>D. Van Vlaenderen</u>, R. Dankerlui, G. Hans, V. Saldien, D. Wildemeersch (Belgium)</p>
eP293	<p><b>AUTONOMIC NERVOUS SYSTEM CHANGES IN INDIVIDUALS WITH CHRONIC PAIN: A SYSTEMATIC REVIEW OF THE LITERATURE</b></p> <p><u>K. Steere</u>, J. Steere, K. Cottrill, Z. Geiger (United States)</p>
eP294	<p><b>ACCOMMODATION OF CUTANEOUS NERVE FIBERS ASSESSED WITH THE PERCEPTION THRESHOLD TRACKING TECHNIQUE</b></p> <p><u>J. Tigerholm</u>, T.N. Hoberg, K.S. Frahm, C.D. Mørch (Denmark)</p>
eP295	<p><b>THERMOVISION AS A POSSIBLE DIAGNOSTIC METHOD OF OROFACIAL PAIN</b></p> <p><u>J. Fricova</u>, R. Rokyta (Czech Republic)</p>
eP296	<p><b>EVALUATION OF THE INDICATION OF THE STUDY WITH BONE DENSITOMETRY IN THE ASSESSMENT OF FRACTURE</b></p> <p>I. Sierra-Martínez, L. Sierra-Martínez, <u>R. Martínez-Fuerte</u>, N. Snaz-González (Spain)</p>
eP297	<p><b>BREAKTHROUGH-PAIN LIKELIHOOD IN CANCER PATIENTS: AN IMPACT STUDY OF A NOVEL SCORING SYSTEM</b></p> <p><u>B. Samolsky Dekel</u>, A. Gori, M.C. Sorella, A. Vasarri, R.M. Melotti (Italy)</p>

## E-Posters (all days)

Poster	Abstract
eP298	<b>VALIDITY OF MEASUREMENTS OF PHYSICAL FUNCTIONING IN PATIENTS WITH CHRONIC LOW BACK PAIN</b> T. Benz, S. Lehmann, A. Elfering, A. Aeschlimann, F. Angst ( <i>Switzerland</i> )
eP299	<b>RESTING STATE EEG BEFORE AND AFTER HFS-INDUCED CENTRAL SENSITIZATION</b> L. Lebrun, A. Stouffs, A. Mouraux, E.N. van den Broeke ( <i>Belgium</i> )
eP300	<b>PAIN ASSESSMENT OR PAIN REGISTRATION, WHAT'S THE REAL PROBLEM?</b> S. Broekmans, B. Mertens ( <i>Belgium</i> )
eP301	<b>ASSESSMENT OF PAIN AND ITS INFLUENCE ON ELDERLY DEMENTIA PATIENTS WITH INTERTROCHANTERIC HIP FRACTURE - INITIAL EXPERIENCE WITH BULGARIAN-LANGUAGE VERSION OF TWO NONVERBAL SCALES</b> V. Petrov, D. Arabjieva, Y. Andonov ( <i>Bulgaria</i> )
eP302	<b>THE EFFECT OF UNILATERAL AND BILATERAL PAINFUL STIMULI ON COGNITIVE FUNCTION</b> M. Hoegh, D.A. Seminowicz, T. Graven-Nielsen ( <i>Denmark</i> )
eP303	<b>WITHIN-SUBJECTS VARIABILITY OF EXPERIMENTAL PAIN AND ITS RELATIONS WITH PAIN SENSITIVITY AND PAIN MODULATION IN FIBROMYALGIA</b> A. Khallouf, A.R. Magalhães, V. Pão-Mole, R. Teodoro, F. Pimentel-Santos, R. Canaipa, L. Honigman, R. Treister ( <i>Portugal</i> )
eP304	<b>CHRONIC PAIN IN PRIMARY CARE - A PATWAY</b> A.S. Barbosa, M. Cerqueira, R. Marques Pereira ( <i>Portugal</i> )
eP305	<b>EVALUATION OF PAIN AND DISABILITY IN POSTTRAUMATIC PATHOLOGY OF SHOULDER</b> S.A. Nica, G. Mologhianu, B.I. Mitoiu, I. Gheorghiu, M.D. Clantau, L.S. Meiu ( <i>Romania</i> )
eP306	<b>CONSTRUCTION AND VALIDATION OF THE PAIN INTEGRAL SCALE</b> R. Caceres-Matos, A. Rivera-Sequeiros, S. Vázquez-Santiago, C. Sánchez-Gutiérrez, J.M. López-Millán, E. Gil-García ( <i>Spain</i> )
eP307	<b>ARE PAIN RELATED PATIENTS REPORTED OUTCOME MEASURES ASSESSED EARLY AFTER TOTAL KNEE ARTHROPLASTY RELATED TO FUNCTIONAL OUTCOME 3 MONTHS POSTOPERATIVELY?</b> E. Dubljanin Raspopovic, U. Nedeljkovic, N. Ilic, S. Stoicic Djulic, S. Tomanovic Vujadinovic ( <i>Serbia</i> )
eP308	<b>FROM WHAT TO MEASURE TO HOW TO MEASURE - EXPERIENCES FROM THE VAPAIN INITIATIVE</b> U. Kaiser, A. Kuechler, K. Neustadt, R. Sabatowski, J. Schmitt, S. Deckert ( <i>Germany</i> )
eP309	<b>THE EFFECT OF KINESIOTAPING TECHNIQUE APPLIED IN DIFFERENT TENSION ON HEALTHY INDIVIDUAL'S PRESSURE PAIN THRESHOLD</b> O. Avci, N. Tugay, K. Yilmaz, B.U. Tugay ( <i>Turkey</i> )
eP310	<b>THE EFFECT OF KINESIOTAPING TECHNIQUE APPLIED IN DIFFERENT TENSION ON HEALTHY INDIVIDUAL'S PAIN TOLERANCE</b> O. Avci, N. Tugay, K. Yilmaz, B.U. Tugay ( <i>Turkey</i> )
eP311	<b>MEASURING KNOWLEDGE AND ATTITUDE OF MODERN PAIN NEUROSCIENCE IN UNDERGRADUATE PHYSIOTHERAPY STUDENTS</b> A.J. Beetsma, M.F. Reneman, R.R. Reezigt ( <i>Netherlands</i> )



## E-Posters (all days)

Poster	Abstract
eP312	<p><b>INTRAOPERATIVE MONITORING OF NOCICEPTION DURING LAPAROSCOPIC CHOLECYSTECTOMY: METRODOLORIS (R) VS MAPSTATION (R)</b>  <u>U. Colella</u>, P. Sansone, C. Esposito, M.B. Passavanti, M.C. Pace, L.G. Giaccari, V. Pota, C. Aurilio (<i>Italy</i>)</p>
<b>MEASUREMENT OF PSYCHOSOCIAL ASPECTS OF PAIN</b>	
eP313	<p><b>ASSESSMENT OF MUSCULOSKELETAL SYSTEM PAIN AND PSYCHOSOCIAL STATUS OF THE ATHLETES OF DIFFERENT BRANCHES</b>  <u>A. Atac</u>, M. Sahin, C. Algun (<i>Turkey</i>)</p>
eP314	<p><b>POTENTIAL MODERATORS FOR OUTCOME AFTER ROTATOR CUFF REPAIR: A PILOT STUDY</b>  <u>A. Schwank</u>, F. Struyf, D. Gisi, M. Pisan, M. Meeus (<i>Belgium</i>)</p>
eP315	<p><b>SOCIAL SUPPORT, PERCEIVED STRESS, AND FUNCTION IN INDIVIDUALS WITH CHRONIC PAIN</b>  <u>E. Castarlenas</u>, S. Galán, E. Solé, R. Roy, E. Sánchez-Rodríguez, M.P. Jensen, J. Miró (<i>Spain</i>)</p>
eP316	<p><b>CHRONIC PAIN MODULATE COGNITIVE PERFORMANCE IN YOUNG ADULTS</b>  <u>S. Delgado Gallén</u>, G. Cattaneo, D. Bartrés-Faz, J.M. Tormos, Á. Pascual-Leone, D. Soler Fernández (<i>Spain</i>)</p>
eP317	<p><b>CHRONIC NON-CANCER PAIN (CNCP) AND ADULT ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD). TRIAL AND TRIBULATION. PRELIMINARY RESULTS.</b>  <u>G. Vargas-Schaffer</u>, J. Bourgoquin, M. Eghtesadi, M.-C. Taillefer, J. Cogan, A. Steverman, S. Varela, A. Boulanger (<i>Canada</i>)</p>
eP318	<p><b>KINEMATIC ANALYSES USING FINGER-TAPPING TASK FOR PATIENTS WHO HAD KINESIOPHOBIA AFTER SURGERY WITH DISTAL RADIUS FRACTURE AT ACUTE PHASE</b>  <u>R. Imai</u>, M. Osumi, T. Ishigaki, S. Morioka (<i>Japan</i>)</p>
eP319	<p><b>SLEEP-RELATED PROBLEMS IN CHRONIC PAIN PATIENTS TREATED WITH OPIOIDS</b>  <u>C. Margarit</u>, P. Ballester, M.D.M. Inda, A. Flor, R. Roca, D. Morales, A. Peiro (<i>Spain</i>)</p>
eP320	<p><b>THE INFLUENCE OF PAIN ON THE QUALITY OF LIFE OF PATIENTS WITH AMYOTROPHIC LATERAL SCLEROSIS</b>  <u>G.A. Moreira de Barros</u>, M.V. Gayoso, F. Seullner Domingues, A. Souza Bulle Oliveira (<i>Brazil</i>)</p>
<b>STRUCTURAL AND FUNCTIONAL IMAGING IN PAIN</b>	
eP321	<p><b>ALTERED CENTRAL PAIN PROCESSING IN FIBROMYALGIA - A MULTIMODAL NEUROIMAGING CASE-CONTROL STUDY OF THE PAIN MATRIX</b>  <u>M. Müller</u>, F. Wüthrich, R. Wiest, N. Egloff, P. Jüni, S. Walther, M. Curatolo (<i>Switzerland</i>)</p>
eP322	<p><b>THE RELATION OF PAIN DURATION AND CORTICAL THICKNESS IN PATIENTS WITH CERVICOGENIC HEADACHE</b>  <u>S. Roland</u>, P. Aslaksen, G. Kvarstein (<i>Norway</i>)</p>
eP323	<p><b>HUB DISRUPTION IN PATIENTS WITH CHRONIC NECK PAIN: A GRAPH ANALYTICAL APPROACH</b>  <u>R. De Pauw</u>, H. Aerts, R. Siugzdaite, I. Coppieters, M. Meeus, K. Caeyenberghs, B. Cagnie (<i>Belgium</i>)</p>
eP324	<p><b>ULTRASONOGRAPHIC FINDINGS OF THE ULNAR NERVE FOLLOWING ELBOW FLEXION IN PATIENTS WITH CUBITAL TUNNEL SYNDROME</b>  <u>G. Lee</u>, D. Park (<i>Korea, Republic of</i>)</p>

## E-Posters (all days)

Poster	Abstract
eP325	<b>DYNAMIC CHANGES OF FUNCTIONAL CONNECTIVITY BETWEEN DACC AND THALAMUS DURING CONDITIONED PAIN MODULATION IN HUMANS</b> <u>P. Chiacchiaretta</u> , A. Ferretti, M.G. Perrucci, G. Bubbico, A. Perrotta ( <i>Italy</i> )
eP326	<b>THE ROLE OF SPATIAL ATTENTION ON “COROLLARY” EFFECTS OF CENTRAL SENSITIZATION</b> A. Salatino, S. van Neerven, A. Mouraux, V.D.B. Emanuel Nathanael, <u>D.M. Torta</u> ( <i>Belgium</i> )

### COMPLEMENTARY MEDICINE

eP327	<b>EFFECTIVENESS OF OSTEOPATHIC TREATMENT ON PAIN AND DISABILITY IN PATIENTS WITH MIGRAINE</b> <u>A. Ciardo</u> ( <i>Spain</i> )
eP328	<b>YOGA &amp; PRANAYAMA: A VEDIC PERSPECTIVE IN PAIN MANAGEMENT</b> <u>N. Sukdev</u> , L. Leibel Lynda, R. Rao ( <i>India</i> )
eP329	<b>ART THERAPY AND ARTWORK FOR EMPOWERMENT PEOPLE WITH FIBROMYALGIA</b> <u>E. Bizjak</u> ( <i>Slovenia</i> )

### INTERVENTIONAL BLOCKADE THERAPIES

eP330	<b>COMPARISON OF TIME AND SUCCESS RATE BETWEEN CONVENTIONAL ANTEROPOSTERIOR AND OBLIQUE APPROACH IN S1 TRANSFORAMINAL EPIDURAL INJECTION(TFESI) - A PILOT STUDY</b> S. Kang, J. Choi, W. Shim, I. Song, <u>H.J. Cho</u> ( <i>Korea, Republic of</i> )
eP331	<b>CRYOABLATION - THE FIRST EXPERIENCE OF TREATMENT OF SCAR NEUROMA PAIN AND POSTHERPETIC NEURALGIA</b> <u>B. Gabovich</u> ( <i>Estonia</i> )
eP332	<b>ULTRASOUND GUIDED PAIN INTERVENTIONS USING THE LOUGHBOROUGH GUIDES: NOVEL GUIDES FOR PRE-PUNCTURE AND REAL TIME PROCEDURES</b> <u>Y. Kamel</u> , A. Gaur, S. Bhayani, K. Bouazza-Marouf ( <i>United Kingdom</i> )
eP333	<b>A RETROSPECTIVE EVALUATION OF OPIOID INTAKE REDUCTION AFTER COOLED RADIOFREQUENCY DENERVATION FOR SACROILIAC JOINT PAIN</b> <u>A. Tinnirello</u> , S. Barbieri, M. Todeschini, F. Ronconi ( <i>Italy</i> )
eP334	<b>PERCUTANEOUS LUMBAR NUCLEOPLASTY IN THE MANAGEMENT OF LUMBAR DISCOGENIC PAIN</b> H. Song, <u>Y. Yoo</u> , J.Y. Moon, Y.-C. Kim ( <i>Korea, Republic of</i> )
eP335	<b>A PROSPECTIVE RANDOMIZED COMPARISON OF THE EFFICACY BETWEEN ULTRASOUND- AND FLUOROSCOPY-GUIDED GENICULAR NERVE BLOCK FOR CHRONIC KNEE OSTEOARTHRITIS</b> <u>D.-H. Kim</u> , M.-S. Lee, S. Lee, S.-H. Yoon, J.-W. Shin, M.-H. Karm, S.-S. Choi ( <i>Korea, Republic of</i> )
eP336	<b>FACTORS ASSOCIATED WITH SUCCESSFUL RESPONSES TO GANGLION IMPAR BLOCK: A RETROSPECTIVE STUDY</b> <u>C.-S. Kim</u> , J.-H. Sim, J.-H. Suh, J.-W. Shin, J.-G. Leem, S.-S. Choi ( <i>Korea, Republic of</i> )

## E-Posters (all days)

Poster	Abstract
eP337	<p><b>CONTINUING ANTICOAGULANTS AND ANTIPLATELETS FOR PATIENTS UNDERGOING LUMBAR SYMPATHETIC GANGLION BLOCK</b>  <u>T. Suzuki</u>, Y. Kawai, K. Ueta (<i>Japan</i>)</p>
eP338	<p><b>THE ROLE OF SPINAL ANAESTHESIA WITH AND WITHOUT INTRATHECAL OPIOID COADMINISTRATION IN IMPROVING ONCOLOGIC OUTCOMES AFTER ENDOSCOPIC TRANSURETHRAL CANCER SURGERY</b>  <u>D. Tonev</u>, Z. Siromahov, T. Kundurzhiev (<i>Bulgaria</i>)</p>
eP339	<p><b>ULTRASOUND GUIDED PECS BLOCK: AN EMERGING TECHNIQUE FOR PROVIDING PERIOPERATIVE ANALGESIA AFTER BREAST SURGERY</b>  <u>L. Aziz</u>, S.P. Mitra, G.F. Alam, N.P. Nimmi (<i>Bangladesh</i>)</p>
eP340	<p><b>COOLED RF ABLATION EXTENDS PAIN RELIEF VIA SUPERIOR MODIFICATION OF THE ABLATED NERVE</b>  C. Zachariah, J. Mayeux, G. Alas, O. Mistretta, P.J. Ward, A.F. Chen, A.W. English, <u>A. Washington</u> (<i>United States</i>)</p>
eP341	<p><b>PERI-NEURAL DEXMEDETOMIDINE AS AN ADJUVANT TO BUPIVACAINE INDUCED THORACIC PARAVERTEBRAL BLOCK IN PATIENTS UNDERGOING THORACOTOMY</b>  <u>M. Eltantawy</u> (<i>Egypt</i>)</p>
eP342	<p><b>ULTRASOUND GUIDED ERECTOR SPINAE BLOCK FOR POST THORACOSCOPY PAIN SYNDROME</b>  <u>E. Piraccini</u>, S. Maitan (<i>Italy</i>)</p>
eP343	<p><b>AUDIT OF INDICATIONS FOR AND EFFICACY OF SYMPATHETIC GANGLION BLOCKS PERFORMED IN OUR HOSPITAL</b>  <u>S. Braude</u>, A. Ghazi (<i>United Kingdom</i>)</p>
eP344	<p><b>COMPARISON OF INTRAVASCULAR INJECTION RATE BETWEEN BLUNT AND SHARP NEEDLES DURING CERVICAL TRANSFORAMINAL EPIDURAL BLOCK</b>  <u>S. Kim</u> (<i>Korea, Republic of</i>)</p>
eP345	<p><b>ESP BLOCK IN POLYTRAUMATIC PATIENT WITH MULTIPLE RIB FRACTURES</b>  <u>F. Duca Rezzulini</u>, E. Vidal Agustí, J.L.C. Clave, C. Pérez Torrentó (<i>Spain</i>)</p>
eP346	<p><b>PULSED RADIOFREQUENCY OF DORSAL ROOT GANGLIA AN ALTERNATIVE FOR DIABETIC TRUNCAL NEUROPATHY RELIEF</b>  <u>C. Haylock Loor</u>, N. Chinchilla Calix, N. Chinchilla Haylock, M.C. Chinchilla Haylock (<i>Honduras</i>)</p>
eP347	<p><b>FEASIBILITY OF LUMBAR PERI-RADICULAR AND MEDIAL BRANCH BLOCK THROUGH MID LATERAL INTER-TRANSVERSE LIGAMENT NEEDLE PLACEMENT</b>  <u>V. Mayoral Rojals</u>, A. Muntane, P. Mora, P.F. Alberto, A. Serrano, X. Garcia Eroles (<i>Spain</i>)</p>

## E-Posters (all days)

Poster	Abstract
eP348	<b>ENDOSCOPIC ELECTROTHERMIC (ESIJ) PROCEDURE OF THE SACROILIAC JOINT 24-MONTH FOLLOW UP STUDIES</b> <u>R. Ibrahim</u> ( <i>Germany</i> )
eP349	<b>RELATIONSHIP BETWEEN THE GRADE OF LUMBAR CENTRAL CANAL STENOSIS AND CATHETER ADVANCEMENT IN EPIDURAL SPACE DURING PERCUTANEOUS EPIDURAL NEUROPLASTY</b> <u>Y.-B. Oh</u> , Y.H. Won, S.-H. Park, M.-H. Ko, J.-H. Seo, G.-W. Kim ( <i>Korea, Republic of</i> )
eP350	<b>PAIN RELIEF FOLLOWING ARTHROSCOPIC ROTATOR CUFF REPAIR: PERIOPERATIVE PREGABALIN ADMINISTRATION VS. INTERSCALENE BRACHIAL PLEXUS BLOCK. PROSPECTIVE, RANDOMIZED, UNBLINDED SINGLE CENTER TRIAL.</b> <u>E. Farladansky</u> , S. Hazan, E. Maman, A.M. Reuveni, A. Cattan, I. Matot ( <i>Israel</i> )
eP351	<b>A STUDY OF THE EFFECT OF TOLPERISONE TRIGGER ZONE INJECTIONS IN PATIENTS WITH CHRONIC MYOFASCIAL PAIN</b> <u>F. Devlikamova</u> ( <i>Russian Federation</i> )
eP352	<b>HYDRODILATATION FOR PRIMARY ADHESIVE CAPSULITIS: FLUOROSCOPICALLY ASSISTED VERSUS ECO-GUIDED FOR REDUCED PAIN IN SHOULDER.</b> <u>P. Roca Campos</u> , P. Iftimie, G.A. Juanto, N. Fons Murillo, N. Tapia Berga, N. Jarma Antacle, M. Ruiz Casellas, L. Guirfanova, G. Adsera Gebelli, I. Blas Martinez ( <i>Spain</i> )
eP353	<b>RADIOFREQUENCY NEUROTOMY FOR SACROILIAC JOINT PAIN; TWELVE MONTH OUTCOMES AND COMPARISON BETWEEN TWO TECHNIQUES</b> <u>R. Wright</u> ( <i>Australia</i> )
eP354	<b>RADIOFREQUENCY LESIONING IN REFRACTORY TRIGEMINAL NEURALGIA USING NON WAKE UP BETWEEN LESIONS</b> A. Ali, M. Mallon, <u>R. Cooper</u> ( <i>United Kingdom</i> )
eP355	<b>GENICULAR RADIOFREQUENCY ABLATION FOR TREATMENT OF PERSISTENT POST-SURGICAL KNEE PAIN, A CASE SERIES</b> <u>A. Kafafy</u> , R. Ullah ( <i>United Kingdom</i> )
eP356	<b>PULSED RADIO FREQUENCY ABLATION OF GESERIAN GANGLION FOR THE TREATMENT OF INTRACTABLE MIGRAINE: CASE REPORT OF TWO PATIENT</b> <u>A. Ahmed</u> ( <i>India</i> )

### MULTIDISCIPLINARY PROGRAMS

eP357	<b>PREVENTING RELAPSE AFTER SUCCESSFUL INTERDISCIPLINARY REHABILITATION: A FEASIBILITY STUDY OF TWO PROTOTYPE INTERVENTIONS</b> <u>S. Elbers</u> , J. Pool, A. Köke, H. Wittink, R. Smeets ( <i>Netherlands</i> )
eP358	<b>MULTIDISCIPLINARY BACK PAIN TREATMENT VIA MOBILE APP IS SUPERIOR TO STANDARD OF CARE - A RANDOMIZED CONTROL TRIAL</b> T.R. Toelle, D. Utpadel-Fischler, K.K. Haas, <u>J.A. Priebe</u> ( <i>Germany</i> )
eP359	<b>OPIOID WITHDRAWAL AND MULTIMODAL REHABILITATION IN PAIN PATIENTS - A TWO-PHASE INPATIENT PROGRAM</b> <u>K. Streitberger</u> , C. von Stegmann, N. Egloff, M. Vorbrüggen, M. Wertli ( <i>Switzerland</i> )

## E-Posters (all days)

Poster	Abstract
eP360	<b>INTERPROFESSIONAL PAIN THERAPY FOR CHRONIC PELVIC PAIN SYNDROME (CPPS) - SUCCESSFUL TREATMENT OPTION EVEN FOR NON - GERMAN SPEAKING PATIENTS. A CASE REPORT</b> <u>B. Kleinmann</u> , K. Kieselbach, I. Fauler ( <i>Germany</i> )
eP361	<b>Metaphors in Feedback- guided Multidisciplinary Pain Management Program</b> <u>R. Polianskis</u> ( <i>Denmark</i> )
eP362	<b>THE PLASMA IMMUNE SIGNATURES AFTER AN INTERDISCIPLINARY MULTIMODAL REHABILITATION PROGRAM IN PATIENTS WITH CHRONIC PAIN</b> <u>B. Ghafouri</u> , E. Backryd, E. Lundstrom, T. Falkenberg, B. Gerdle ( <i>Sweden</i> )

### NEUROMODULATIVE THERAPIES

eP363	<b>OUR ATTITUDE TO THE BEST PATIENT SELECTION BEFORE NEUROMODULATION TREATMENT</b> <u>I. Vrba</u> , Š. Kozák, J. Kozák ( <i>Czech Republic</i> )
eP364	<b>PROSPECTIVE RANDOMIZED SINGLE-BLIND, PLACEBO-CONTROLLED STUDY OF ELETROCONVULSIVE THERAPY (ECT) IN DRUG-FREE RAPE VICTIMS WOMEN WITH CHRONIC PAIN AND POST TRAUMATIC STRESS DISORDES WITH PREDOMINANT DEPRESSION</b> <u>E. Guertzenstein</u> ( <i>Brazil</i> )
eP365	<b>PULSED RADIOFREQUENCY OF THE OCCIPITAL NERVES FOR CHRONIC HEADACHE MANAGEMENT. PRELIMINARY RESULTS</b> <u>C. Batistaki</u> , C. Arvaniti, A. Madi, L. Rougeris, G. Kostopanagiotou ( <i>Greece</i> )
eP366	<b>ANALGESIC EFFICACY OF HIGH FREQUENCY SPINAL CORD STIMULATION AT 1KHZ: ADJUST STUDY</b> <u>S. Eldabe</u> , A. Batterham, A. Gulve, A. Kansal, M. Brookes, A. Tariq ( <i>United Kingdom</i> )
eP367	<b>RANDOMIZED, DOUBLE-BLIND TRIAL COMPARING EVOKED COMPOUND ACTION POTENTIAL (ECAP)-CONTROLLED CLOSED-LOOP SPINAL CORD STIMULATION (SCS) TO CONVENTIONAL, OPEN-LOOP SCS</b> <u>S. Falowski</u> ( <i>United States</i> )
eP368	<b>ANALGESIC THERAPY OF COMPLEX REGIONAL PAIN SYNDROME THROUGH SPINAL CORD STIMULATION: A NEW STEP FORWARD</b> <u>A. Jover Vidal</u> , N. Cordero Tous, C. Sánchez Corral, I.M. Ortiz García, D. López Campos, C. Maire, R. Gálvez Mateos ( <i>Spain</i> )
eP369	<b>CLINICAL OUTCOMES IN CHRONIC PAIN PATIENTS USING A NEW SPINAL CORD STIMULATION SYSTEM CAPABLE OF SIMULTANEOUS DELIVERY OF MULTIPLE WAVEFORMS: INITIAL REAL-WORLD EXPERIENCE IN EUROPE</b> <u>J.W. Kallewaard</u> , I. Peña, G. Matis, C. Perruchoud, S. Love-Jones, A. Papa, M.A. Canos-Verdecho, D. Abejon, L. Chen, R. Jain ( <i>Netherlands</i> )
eP370	<b>CT-GUIDED, PERCUTANEOUS RADIOFREQUENCY ABLATION OF THE GASSERIAN GANGLION FOR TRIGEMINAL NEURALGIA</b> <u>P. Zavrdis</u> , V. Panaretou, E. Anastasiou, M. Tsitskari ( <i>Cyprus</i> )
eP371	<b>THE EFFECT OF SPINAL CORD STIMULATION ON OPIOID USE</b> <u>L. Peene</u> , M. Nagels, K. Van Boxem, D. Mesotten, K. Buyse, J. Van Zundert, M. Puylaert ( <i>Belgium</i> )

## E-Posters (all days)

Poster	Abstract
eP372	<p><b>CUSTOMIZATION OF NEURAL DOSE: REAL-WORLD DATA DEMONSTRATING THE RELATIONSHIP BETWEEN FREQUENCY, PULSE-WIDTH AND AMPLITUDE IN ACHIEVING SUB-PERCEPTION SCS PAIN RELIEF</b></p> <p>J.F. Paz Solis, S. Thomson, Q. Doan, I. Huertas Fernandez, L. Chen, R. Jain (<i>Spain</i>)</p>
eP373	<p><b>PAIN, DEPRESSION AND QUALITY OF LIFE OUTCOMES IN A UK NEUROMODULATION CENTRE</b></p> <p>G. Wilson, A. Ahmad, S. Nikolic, H. Ellamushi, A. Alamgir, R. Van Groningen, K. Poply, J. Lascelles, V. Mehta (<i>United Kingdom</i>)</p>
eP374	<p><b>EFFECT OF HIGH DEFINITION TRANSCRANIAL DIRECT CURRENT STIMULATION OF THE SOMATOSENSORY SYSTEM - PRELIMINARY FINDINGS</b></p> <p>S. Kold, T. Graven-Nielsen (<i>Denmark</i>)</p>
eP375	<p><b>THE SEDATION-ANALGESIA REGIMEN DURING NEUROSTIMULATION AMONG DUTCH PAIN SPECIALISTS</b></p> <p>F. ter Bruggen, D. Stronks, F. Huygen (<i>Netherlands</i>)</p>
eP376	<p><b>ANODAL TRANSCRANIAL DIRECT CURRENT STIMULATION (TDCS) OF THE PRIMARY MOTOR CORTEX REDUCES PAIN IN FIBROMYALGIA PATIENTS</b></p> <p>N. Ilic, U. Nedeljkovic, E. Dubljanin Raspopovic, S. Stojcic Djulic, S. Tomanovic Vujadinovic (<i>Serbia</i>)</p>
eP377	<p><b>EFFICACY AND SAFETY OF LONG-TERM ADMINISTRATION OF DIFFERENT AGENTS VIA IMPLANTED INTRATHECAL PUMPS FOR THE TREATMENT OF PERSISTENT CHRONIC PAIN AND SPASTICITY</b></p> <p>A. Kolotoura, P. Zavridis, M. Kyritsa, C. Mpizios, V. Panaretou, E. Anastasiou (<i>Cyprus</i>)</p>
eP378	<p><b>SPINAL CORD STIMULATION IMPROVED MOTOR DYSFUNCTION IN TWO PATIENTS WITH COMPLEX REGIONAL PAIN SYNDROME</b></p> <p>A. Maeda, H. Shiokawa, S. Hoka, K. Yamaura (<i>Japan</i>)</p>
eP379	<p><b>IMPROVEMENT IN BLADDER FUNCTION FOLLOWING HIGH-FREQUENCY SPINAL CORD STIMULATION AT 10 KHZ: A CASE REPORT</b></p> <p>A. Mostofi, M. Tavakkoli, F. Bourlogiannis, H. Bedran, E. Pereira (<i>United Kingdom</i>)</p>
eP380	<p><b>EXERCISE INDUCED HYPOALGESIA PROFILE IS ASSOCIATED WITH PAIN INTENSITY, MEDICATIONS EFFECTIVENESS AND CYTOKINES FOLLOWING NERVE INJURY</b></p> <p>J. Khan, Y. Valdes, Q. Wang, O. Korzeniewska, T. Zusman, E. Eliav (<i>United States</i>)</p>
eP381	<p><b>ANALGESIC EFFICACY AND SENSORIAL EVALUATION IN PATIENTS WITH PERIPHERAL NEUROPATHIC PAIN TREATED WITH TRANSCUTANEOUS ELECTROMAGNETIC SIGNALS</b></p> <p>R. Galvez, S. Rios, M. Muñoz, C. Maire, E. Del Pozo (<i>Spain</i>)</p>
eP382	<p><b>INVASIVE NEUROMODULATION OF THE SPINAL CORD OR DORSAL ROOT GANGLION IN CHRONIC NEUROPATHIC PAIN SYNDROMES OF THE LOWER EXTREMITIES</b></p> <p>D. Rasche, V. Tronnier (<i>Germany</i>)</p>
eP383	<p><b>SAFETY PROFILE OF HIGH FLOW NASAL OXYGEN DURING SEDATION FOR SCS IMPLANTS IN PRONE PATIENTS WITH HIGH BMI</b></p> <p>C. Parikh, T. Fernandez (<i>United Kingdom</i>)</p>
eP384	<p><b>SUBDURAL CATHETER MIGRATION AFTER IMPLANTATION OF INTRATHECAL BACLOFEN INFUSION PUMP FOR SPASTICITY</b></p> <p>R. Glines, T. Lamer (<i>United States</i>)</p>

## E-Posters (all days)

Poster	Abstract
eP385	<p><b>TRANSCUTANEOUS PULSED RADIOFREQUENCY TREATMENT IN PATIENTS WITH PAINFULL KNEE</b></p> <p><u>M.B. Rodriguez Campoo</u>, I. Almagro, I. González, A. Sánchez-López, A. Vullo, M. Villa (<i>Spain</i>)</p>
eP386	<p><b>CLINICAL EFFICACY OF TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION (TENS) FOR THE RELIEF OF PAIN: A SYSTEMATIC REVIEW (SR) AND META-ANALYSIS (MA) OF RANDOMISED CONTROLLED TRIALS (RCTS)</b></p> <p><u>M.I. Johnson</u>, G. Jones, C. Paley, P.G. Wittkopf (<i>United Kingdom</i>)</p>
eP387	<p><b>CASE-SERIES ASSESSMENT IN EUROPE OF A NEW PERCUTANEOUS SCS LEAD FOR MULTI-SITE AND/OR EVOLUTIVE PAIN PATTERNS</b></p> <p><u>S. Love-Jones</u>, A. Williams, J.F. Paz Solis, K.P. Gatzinsky, A. Mendiola, C. Tornero, L.M. Ruiz Nieto, N. Mariotti, Y. Pei, R. Jain (<i>United Kingdom</i>)</p>
eP388	<p><b>TONIC AND HIGH FREQUENCY SPINAL CORD STIMULATION WAVEFORMS AT THE SAME TIME IN THE SAME PATIENT: A CASE REPORT</b></p> <p><u>E. Mercado Delgado</u>, D. Abejón Gonzalez, E.M. Monzón Rubio, C. Abad Salom (<i>Spain</i>)</p>
eP389	<p><b>SPINAL CORD STIMULATION FOR ISCHEMIC PAIN: MICROCIRCULATION IMPROVEMENT</b></p> <p><u>V. Murtazin</u>, A. Ashurkov, R. Kiselev, M. Kilchukov, E. Levin, K. Orlov, A. Krivoschapkin (<i>Russian Federation</i>)</p>
eP390	<p><b>TREATMENT OF NECK AND UPPER LIMB PAIN USING BURSTDR SPINAL CORD STIMULATION -PRELIMINARY RESULTS</b></p> <p><u>A. Al-Kaisy</u>, S. Love-Jones, N. Patel, G. Vajramani, S. Palmisani, S. Wesley, A. Raza, F. Agnesi (<i>United Kingdom</i>)</p>
eP391	<p><b>HIGH FREQUENCY SPINAL CORD STIMULATION AT 10 KHZ (10 KHZ SCS) FOR THE TREATMENT OF CHRONIC NEUROPATHIC PAIN RESULTING FROM SPINAL CORD INJURY</b></p> <p>M. Mecci, W. Aung, S. Griffiths, A. Tariq, A. Kansal, A. Santos, <u>S. Eldabe</u> (<i>United Kingdom</i>)</p>
eP392	<p><b>CHARACTERISATION OF THE EFFECT OF BURST SPINAL CORD STIMULATION ON CEREBROSPINAL FLUID CELLULAR AND PROTEIN CONSTITUENTS IN PATIENT RESPONDERS WITH CHRONIC NEUROPATHIC PAIN.</b></p> <p><u>J. Royds</u>, J. Lysaght, H. Cassidy, C. McCrory (<i>Ireland</i>)</p>
eP393	<p><b>CASCADE 10KHZ SPINAL CORD STIMULATION IN PATIENTS WITH FBSS AND CNLBP, A SINGLE CENTRE EXPERIENCE OVER 2 YEARS</b></p> <p>O. Al-Kaisy, <u>J. Royds</u>, S. Palmisani, D. Pang, S. Harris, A. Al-Kaisy (<i>United Kingdom</i>)</p>
eP394	<p><b>NON-INVASIVE NEUROSTIMULATION OF THE CEREBELLUM INCREASES OFFSET ANALGESIA</b></p> <p>H. Ashe, N. O'Connor, E. Deevy-Gray, <u>A. Witney</u> (<i>Ireland</i>)</p>
eP395	<p><b>PREVENTING CSF LEAKAGE SYNDROME BY BIOGLUE APPLICATION DURING IDDS IMPLANTATION PROCEDURE: A RETROSPECTIVE STUDY.</b></p> <p><u>D. Dupoiron</u>, T. Delorme, F. Boré, V. Jaoul, S. Jubier - Hamon, Y.M. Pluchon, S. Robard, D. Leblanc, M. Pechard, N. Lebrech (<i>France</i>)</p>
eP396	<p><b>MOTOR IMAGERY BRAIN-COMPUTER INTERFACE SYSTEM IN PAIN MANAGEMENT AFTER FAILED BACK SURGERY - A CASE REPORT</b></p> <p><u>H. Kokki</u>, M. Kokki, C. Nikkari (<i>Finland</i>)</p>
eP397	<p><b>TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION, TENS: A RETROSPECTIVE STUDY</b></p> <p><u>E. Jarahyan</u>, B. Morlion (<i>Belgium</i>)</p>

## E-Posters (all days)

Poster	Abstract
<b>PALLIATIVE CARE</b>	
eP398	<p><b>SUCCESSFUL USE OF CONSCIOUS SEDATION WITH DEXMEDETOMIDINE TO EASE TOTAL PAIN IN END OF LIFE CARE</b></p> <p><u>W. Freiherr von Hornstein</u>, S. Hoey, M. Wilson, P. Pnheiro (<i>Ireland</i>)</p>
eP399	<p><b>POLISH PALLIATIVE CARE PHYSICIANS ATTITUDES TOWARDS CONDUCTING AND MODIFYING PAIN THERAPY IN CANCER PATIENTS</b></p> <p><u>M. Janecki</u> (<i>Poland</i>)</p>
eP400	<p><b>DIFFICULTIES IN PROVIDING PALLIATIVE CARE IN RURAL INDIA (WEST BENGAL) - EXPERIENCE OF AN NGO</b></p> <p><u>A. Manna</u> (<i>India</i>)</p>
eP401	<p><b>PALLIATIVE CARE MODEL FOR PAIN ALLEVIATION IN ONCOLOGY</b></p> <p><u>S. Pramod</u>, R. Muttha, T. Roy, B. Mishra (<i>India</i>)</p>
eP402	<p><b>DESCRIPTIVE ANALYSIS OF THE EFFECTS OF COMPLEX PALLIATIVE CARE AND PATIENT SATISFACTION AT THE UNIVERSITY HOSPITAL HALLE (SAALE)</b></p> <p><u>B. Pötzsch</u>, L. Flöther, D. Medenwald, M. Jung, R. Jung, M. Bucher (<i>Germany</i>)</p>
eP403	<p><b>CHRONIC PAIN AND SLEEP DISORDERS IN PALLIATIVE CARE</b></p> <p><u>M. Shavdia</u>, N. Ninashvili, N. Shavdia, K. Tchaava, N. Gegeshidze (<i>Georgia</i>)</p>
<b>PHARMACOLOGICAL THERAPIES</b>	
eP404	<p><b>CURRENT TREATMENT PATTERNS AMONG PATIENTS IN EUROPE WITH CHRONIC LOW BACK PAIN: ANALYSIS OF REAL-WORLD DATA</b></p> <p>P. Conaghan, <u>L. Abraham</u>, P. Graham-Clarke, L. Viktrup, J. Cappelleri, C. Beck, A. Bushmakin, J. Jackson, J. Husbands, K. Golden (<i>United Kingdom</i>)</p>
eP405	<p><b>LOW DOSE BUPRENORPHINE PATCH FOR CHRONIC NON-CANCER PAIN IN PATIENTS WITH PREVIOUS OPIOID THERAPY FAILURE: TOLERABILITY AND EFFICACY</b></p> <p><u>A. Tinnirello</u>, N. Sbalzer (<i>Italy</i>)</p>
eP406	<p><b>6-PRENYLNARINGENIN AND ITS DERIVATIVE, KTT45, ARE MIXED T-TYPE CA<sup>2+</sup> CHANNEL INHIBITORS/CB<sub>2</sub> RECEPTOR AGONISTS: ANTINOCICEPTIVE ACTIVITY IN NEUROPATHIC AND VISCERAL PAIN MODELS</b></p> <p><u>F. Sekiguchi</u>, Y. Kasanami, R. Onishi, M. Tsubota, T. Miyazaki, S. Hiramoto, K. Okazaki, H.D. Nguyen, T. Okada, N. Toyooka, S. Yoshida, T. Ohkubo, A. Kawabata (<i>Japan</i>)</p>
eP407	<p><b>BIOEQUIVALENCE OF TAPENTADOL PROLONGED RELEASE TABLETS 2X25 MG AND 1X50 MG UNDER FED CONDITIONS</b></p> <p><u>M. Neukirchen</u>, J. Letal, V. Oza, W. Prange (<i>Germany</i>)</p>
eP408	<p><b>ROLE OF HEPARIN IN ENHANCING THE SKIN PENETRATION AND PAIN RELIEF FROM DICLOFENAC EPOLAMINE (DHEP) MEDICATED PLASTER</b></p> <p><u>K.D. Rainsford</u>, S. Rovati, A. Nencioni, C. Jones (<i>United Kingdom</i>)</p>
eP409	<p><b>CAPSAICIN PATCH FOR NEUROPATHIC CHEST WALL PAIN - LOCAL AUDIT FINDINGS</b></p> <p><u>S. Blowey</u>, S. Bagchi (<i>United Kingdom</i>)</p>



## E-Posters (all days)

Poster	Abstract
eP410	<b>RADIOFREQUENCY TAPENTADOL TREATMENT FOR CHRONIC LUMBAR RADICULOPATHY</b> A. Mastroluca, C. Visconti, L. Varano, A. Del Gaudio ( <i>Italy</i> )
eP411	<b>“MY LIFE IS UNDER CONTROL WITH THESE MEDICATIONS”:</b> AN INTERPRETATIVE PHENOMENOLOGICAL ANALYSIS OF MANAGING CHRONIC PAIN WITH OPIOIDS H. Ljungvall, A. Rhodin, S. Wagner, H. Zetterberg, L. Ekselius, M. Heilig, R. Karlsten, P. Åsenlöf ( <i>Sweden</i> )
eP412	<b>TREK-1 CHANNEL ACTIVATION AS A NEW ANALGESIC STRATEGY DEVOID OF OPIOIDS SIDE EFFECTS</b> J. Busserolles, I. Ben Soussia, L. Prival, N. Marie, C. Judon, L. Clémenceau, E. Chapuy, F. Noble, F. Lesage, S. Ducki, A. Eschalier, S. Lolignier ( <i>France</i> )
eP413	<b>CHARACTERIZATION OF THE PRONOCICEPTIVE EFFECT OF MAGNESIUM SULFATE IN RATS</b> D. Srebro, S. Vuckovic, B. Medic, L. Jovanovic, K. Savic Vujovic, M. Prostran ( <i>Serbia</i> )
eP414	<b>HAS THE TIME COME FOR AN HARMONIZED REGULATORY GUIDANCE FOR DEVELOPING A NEW MEDICINE TARGETING PAIN AND PAIN ASSOCIATED SYMPTOMS IN FIBROMYALGIA?</b> D. Merante, S. Patel ( <i>United Kingdom</i> )
eP415	<b>EXPERIENCES OF PAIN-RELIEVING DRUGS IN INDIVIDUALS WITH SPINAL CORD INJURY AND NEUROPATHIC PAIN - A QUALITATIVE STUDY</b> K. Wahman, F. von Kieseritzky, C. Hultling, K. Sörling, C. Norrbrink ( <i>Sweden</i> )
eP416	<b>PATHOPHYSIOLOGY AND MANAGEMENT OF OPIOID-INDUCED CONSTIPATION: EUROPEAN EXPERT CONSENSUS STATEMENT</b> T. O'Brien, B. Morlion, A. Farmer, A. Drewes, G. Chiarioni, R. De Giorgio, J. Tack ( <i>Ireland</i> )
eP417	<b>THE INITIATION OF TAPENTADOL: A CLINICAL AUDIT</b> P. Hulsbosch, T. Vanneste, K. Van Boxem, P. De Vooght, J. Van Zundert ( <i>Belgium</i> )
eP418	<b>SEX-SPECIFIC AND AGE-SPECIFIC ANALGESIA FOR EARLY POSTOPERATIVE PAIN MANAGEMENT AFTER LUMBAR DECOMPRESSIVE SURGERY: A RANDOMIZED CLINICAL TRIAL</b> J.H. Ahn, S.I. Kim, K.-Y. Ha, I.S. Oh, K.-W. Rhyu ( <i>Korea, Republic of</i> )
eP419	<b>UNFAVORABLE PHARMACOKINETIC INTERACTIONS OF CO-ANALGESICS - WHICH DRUG COMBINATIONS SHOULD BE AVOIDED</b> J. Woron, M. Graczyk ( <i>Poland</i> )
eP420	<b>THE DUAL CCR2/CCR5 ANTAGONIST, CENICRIVIROC, ATTENUATED NEUROPATHIC PAIN-RELATED BEHAVIOR AND ENHANCED MORPHINE EFFECTIVENESS</b> K. Ciapała, K. Kwiatkowski, W. Makuch, J. Mika ( <i>Poland</i> )
eP421	<b>5HT- RECEPTORS MEDIATE THE ANTIALLODYNIC EFFECT OF ROSMARINUS OFFICINALIS L. (ALECRIM) IN INFLAMMATORY PAIN IN MICE</b> D. de Brito Machado, D. Jeronimo da Silva, G. de Melo Reis, L. Antonio da Costa Rodrigues, V. B.G. Ferreira, Y. Marques Aragão, M. Leal Gregório, D. de Lima Moreira ( <i>Brazil</i> )
eP422	<b>IS INTRAVENOUS LIDOCAINE A SAFE AND EFFECTIVE ALTERNATIVE IN THE TREATMENT OF CHRONIC PAIN? IMPLEMENTATION OF PROTOCOL AND INITIAL RESULTS</b> M.J. García Rodríguez, J.C. Castillo Velasco, M. Turmo Tejera, A. Martínez Navas ( <i>Spain</i> )
eP423	<b>ANALGESIC EFFICACY OF TOPICAL SEVOFLURANE IN CHRONIC ULCERS OF DIFFERENT ETIOLOGIES</b> L. Gomez Salinas, A. Flor, F. Jimenez, J.J. Ballesta Payá, Y. Sastre Peris, A. Panadero, C. Margarit Ferri, A. Peiro ( <i>Spain</i> )

## E-Posters (all days)

Poster	Abstract
eP424	<b>SHOULD WE USE OPIOID ANALGETICS IN PATIENTS WITH END-STAGE KIDNEY DISEASE?</b> <u>B. Medic Brkic</u> , K. Savic Vujovic, D. Srebro, S. Vuckovic, M. Prostran ( <i>Serbia</i> )
eP425	<b>OPIOID USE IN COMMUNITY BY CHRONIC PAIN PATIENTS</b> <u>M.K. Munir</u> , A. Woo ( <i>United Kingdom</i> )
eP426	<b>MICROSCOPIC STUDY OF INJECTABLE STEROIDS USED IN EPIDURAL INJECTIONS: EFFECTS OF DIFFERENT DILUENTS USED IN STEROID'S AGGREGATION ABILITY</b> <u>J. Orduña</u> , R. Florea, E. Pastor, A. Valverde, A. Blasco, A. Ruiz, C. Nebreda, C. Tornero ( <i>Spain</i> )
eP427	<b>TOPICAL ANALGESIA DOES NOT AFFECT DESENSITISATION EVOKED BY 8% TOPICAL CAPSAICIN</b> J.D. Christensen, <u>S. Lo Vecchio</u> , H. Holm Andersen, J. Elberling, L. Arendt-Nielsen ( <i>Denmark</i> )
eP428	<b>DIFFERENTIAL EFFECTS OF EPIDERMAL GROWTH FACTOR RECEPTOR INHIBITORS IN A SINGLE CASE OF NEUROPATHIC PAIN</b> <u>M.G. Cameron</u> , C. Kersten ( <i>Norway</i> )
eP429	<b>A DOSE ESCALATION TRIAL TO INVESTIGATE THE SAFETY AND TOLERABILITY OF NEOSAXITOXIN IN COMBINATION WITH BUPIVACAINE AND EPINEPHRINE IN PERINEURAL ADMINISTRATION</b> <u>A.-A. Philipp</u> , G. Thömmes, I. Sabatschus, K. Hansen, A. Scholz, J. Rengelshausen ( <i>Germany</i> )
eP430	<b>EVALUATION OF EFFICIENCY OF KETAMINE, METAMIZOL, DICLOFENAC AND MAGNESIUM GARGLE FOR PREVENTION OF POSTOPERATIVE SORE THROAT</b> <u>A. Burgic</u> ( <i>Serbia</i> )
eP431	<b>ANALYSIS OF THE QUALITY OF LIFE OF NALOXEGOL IN A REAL-WORLD 12-WEEK FOLLOW-UP STUDY, IN PATIENTS WITH CANCER AND OPIOID-INDUCED CONSTIPATION WITH LAXATIVE-INADEQUATE RESPONSE</b> <u>M. Cobo Dols</u> , C. Beato Zambrano, L. Cabezón Gutiérrez, R. Chicas-Sett, I. Blancas López-Barajas, F.J. García Navalón, J.L. Firvida Pérez, G. Serrano Bermúdez, P. Togores Torres, I. Delgado Mingorance, A. Giraldo Marín, A. Libran Oriol, A. Paredes Lario, P. Sánchez Mauriño, O. Higuera Gómez, D. Moreno Muñoz, B. Soler López, A.J. Jiménez López, A. Sanz Yagüe, I. Huerta González ( <i>Spain</i> )
eP432	<b>DOSING REGIMEN AND TOXICOLOGY OF THE INTRATHECAL AYX2 DNA-DECOY FOR THE LONG-TERM REDUCTION OF CHRONIC FOCAL PAIN SYNDROMES IN RATS</b> <u>J. Mamet</u> , D.C. Yeomans, M. Klukinov, S. Xie, C. Pascual, D.C. Manning ( <i>United States</i> )
eP433	<b>THE NOVEL SELECTIVE NOX1 INHIBITOR GKT771 PREVENTS INFLAMMATION-INDUCED TRPV1 ACTIVATION AND ACHIEVES POTENT ANALGESIC EFFECTS IN SEVERAL IN VIVOPAIN MODELS</b> <u>C. Szyndralewicz</u> , F. Heitz, L. Fioraso-Cartier, S. Celanire, C. Muzi, P. Cesare, P. Wiesel ( <i>Switzerland</i> )
eP434	<b>PREGABALIN PRESCRIBING IN PRIVATE HEALTHCARE SETTINGS IN SOUTH AFRICA WITH SPECIFIC FOCUS ON DOSAGES</b> <u>I. Truter</u> ( <i>South Africa</i> )

### PHYSICAL/OCCUPATIONAL THERAPIES

eP435	<b>ULTRASOUND GUIDED VALIDATION OF A NEW APPROACH FOR THE INVASIVE TREATMENT OF THE QUADRATUS PRONATOR MUSCLE</b> <u>Ó. Sánchez Méndez</u> , L.M. Pina Píriz, O. Mayoral del Moral, M. Torres Lacomba, B. Arranz Martín ( <i>Spain</i> )
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## E-Posters (all days)

Poster	Abstract
eP436	<b>END OF LIFE CARE: ROLE OF PHYSICAL THERAPY INTERVENTION WITHIN HOSPICE PALLIATIVE CARE</b> <i>A. Ciardo (Spain)</i>
eP437	<b>MENTAL PRACTICE FOR CHRONIC PAIN IN PEOPLE WITH SPINAL CORD INJURY</b> <i>E. Opsommer, O. Chevalley, N. Korogod (Switzerland)</i>
eP438	<b>THE EFFECT OF HYPEREXTENSION EXERCISES ON PAIN AND PHYSICAL FUNCTIONS IN LUMBAR DISC HERNIATION</b> <i>N. Yağcı, M. Gogremis (Turkey)</i>
eP439	<b>THE EFFECT OF KINESIOTAPE APPLIED IN DIFFERENT TENSIONS AT HEALTHY INDIVIDUALS ON PRESSURE PAINS AND PAIN TOLERANCE</b> <i>O. Avci, N. Tugay, B.U. Tugay, K. Yilmaz (Turkey)</i>

### PSYCHOLOGICAL THERAPIES

eP440	<b>VALUE-BASED COGNITIVE-BEHAVIOURAL THERAPY FOR THE PREVENTION OF CHRONIC WHIPLASH ASSOCIATED DISORDERS: RESULTS FROM A RANDOMIZED CONTROLLED TRIAL WITH CROSS-OVER DESIGN</b> <i>S.L. Ravn, T.E. Andersen (Denmark)</i>
eP441	<b>OUTCOMES AND PROCESSES OF PSYCHOLOGICAL FLEXIBILITY DURING ACCEPTANCE AND COMMITMENT THERAPY (ACT), GROUP BASED TREATMENT FOR PATIENTS WITH CHRONIC PAIN IN A RHEUMATOLOGY CONTEXT</b> <i>N. Lennox, S. O'Neill, H. Rooney, J. Devlin, A. Fraser, A. Hannigan (Ireland)</i>
eP442	<b>THE EFFICACY OF DISTANCING-BASED INTERPRETATION BIAS MODIFICATION PROGRAM FOR PAIN OUTCOMES</b> <i>H. Park, S. Cho (Korea, Republic of)</i>
eP443	<b>SMARTPHONE DELIVERED ACT FOR ADULTS WITH LONGSTANDING PAIN - A PILOT STUDY OF FEASIBILITY AND PRELIMINARY EFFECTS</b> <i>C. Gentili, J. Rickardsson, V. Zetterqvist, L. Holmström, L. Simons, R. Wicksell (Sweden)</i>
eP444	<b>INTERNET-DELIVERED ACCEPTANCE AND COMMITMENT THERAPY (IACT) USING A MICRO-LEARNING FORMAT FOR ADULTS WITH LONGSTANDING PAIN - A RANDOMIZED CONTROLLED TRIAL</b> <i>J. Rickardsson, C. Gentili, M. Persson, E. Andersson, V. Zetterqvist, L. Holmström, M. Lekander, R. Wicksell (Sweden)</i>
eP445	<b>COLOR THERAPY IN COMPLEX TREATMENT OF PAIN SYNDROME IN PATIENTS WITH HEADACHES</b> <i>G. Adashinskaya (Russian Federation)</i>

### REHABILITATION THERAPIES

eP446	<b>A FEASIBILITY STUDY OF A CENTRAL NERVOUS SYSTEM FOCUSED TREATMENT FOR PEOPLE WITH FROZEN SHOULDER CONTRACTURE SYNDROME (FSCS)</b> <i>S. Mena del Horno, L. Dueñas Moscardó, M. Balasch i Bernat, E. Lluch Girbés (Spain)</i>
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## E-Posters (all days)

Poster	Abstract
eP447	<p><b>MULTICENTER STUDY ABOUT THE UTILITY OF THE OSTEOPATHIC MANUAL THERAPY ON THE CHRONIC PELVIC PAIN SYNDROME</b></p> <p><u>C. Rabal Conesa</u>, E. Cao Avellaneda, P. López Cubillana, D. Prieto Merino, B. Khalus, R. Alonso Perea (Spain)</p>
eP448	<p><b>RETURN TO WORK FOR PATIENTS WITH CHRONIC PAIN- COLLABORATION AND STRUGGLE TO MAKE IT WORK</b></p> <p><u>F. Svanholm</u>, G. Liedberg, M. Löfgren, J. Bagge, M. Björk (Sweden)</p>
eP449	<p><b>THE PATIENT GOAL PRIORITY QUESTIONNAIRE IN PAIN REHABILITATION - STUDY PROTOCOL FOR A CONTROLLED CLINICAL TRIAL</b></p> <p><u>C. Gustavsson</u>, L. von Koch (Sweden)</p>
eP450	<p><b>GUILLAIN BARRÉ SYNDROME COMPLICATED BY HIP OSTEOARTHROPATHY. A CASE REPORT</b></p> <p><u>S. Khalfaoui</u> (Morocco)</p>
eP451	<p><b>COMPARISON OF TWO DIFFERENT MOBILIZATION TECHNIQUES IN SUBACROMIAL IMPINGEMENT SYNDROME</b></p> <p>B. Ozkaraoglu, D. Karagozuglu Coskunsu, <u>D. Kutlu Ozkaraoglu</u> (Turkey)</p>
eP452	<p><b>CHRONIC PAIN MANAGEMENT PROGRAM - TAILORED EGYPTIAN EXPERIENCE</b></p> <p><u>K. Tawfik</u> (Egypt)</p>
eP453	<p><b>EXERCISE FACILITATION METHOD IN COMBINATION WITH COGNITIVE BEHAVIORAL THERAPY USING THE “IKI-IKI REHABILITATION NOTEBOOK” WITH INTRACTABLE CHRONIC PAIN</b></p> <p><u>S. Kimura</u>, N. Sanada, R. Yamazaki, S. Yamada (Japan)</p>
eP454	<p><b>REGENERATIVE REHABILITATION MEDICINE IN A LATERAL MALLEUS FRACTURE IN AN ELDERLY PATIENT: CASE REPORT</b></p> <p><u>E. Kouloulas</u>, D. Papriakas, V. Sapouna (Greece)</p>
eP455	<p><b>GRADED MOTOR IMAGERY IN THE AFFECTIVE COMPONENTS OF PAIN IN SUBJECTS WITH CHRONIC PAINFUL SHOULDER SYNDROME: A CASE SERIES</b></p> <p><u>F. Araya Quintanilla</u>, D. Rubio Oyarzun, H. Gutierrez Espinoza, M.J. Muñoz Yanez (Chile)</p>
eP456	<p><b>CORRELATION BETWEEN PAIN AND RADIOLOGICAL PARAMETERS IN PATIENTS OLDER THAN 60 YEARS OF AGE WITH DISTAL RADIUS FRACTURE</b></p> <p>H. Gutierrez - Espinoza, <u>F. Araya Quintanilla</u>, R. Gutierrez - Monclus (Chile)</p>

## E-Posters (all days)

Poster	Abstract
<b>SURGICAL THERAPIES</b>	
eP457	<p><b>REGENERATIVE TECHNOLOGIES IN THE COMPLEX TREATMENT OF PATIENTS WITH OSTEOCHONDRAL INJURIES OF THE ANKLE JOINT</b>  <u>O. Burianov</u>, L. Himion, T. Omelchenko, V. Lianskorunsky (<i>Ukraine</i>)</p>
eP458	<p><b>LOCAL APPLICATION OF DEXALGIN AFTER LAPAROSCOPIC SURGERY</b>  <u>I. Kolosovych</u>, V. Teplyi, B. Bezrodnyi, A. Kolosovych (<i>Ukraine</i>)</p>
eP459	<p><b>IMPACT OF SPINAL CORD STIMULATION (SCS) IN THE MANAGEMENT OF CHRONIC NEUROPHAPIC PAIN IN PATIENTS WITH FAILED BACK SURGERY SYNDROME (FBSS)</b>  <u>E. Rojo</u>, C. Pérez, C. Margarit, N. Sánchez, M. Muñoz, D. Ochoa (<i>Spain</i>)</p>
eP460	<p><b>ASSESSMENT OF EFFICIENCY OF TRANSOSSEOUS ACCESS TO INTERVERTEBRAL DISC L5S1 DURING TREATING OF DISCOGENIC PAIN SYNDROME BY MEANS OF PERCUTANEOUS LASER DECOMPRESSION</b>  <u>A. Dydykin</u> (<i>Russian Federation</i>)</p>
eP461	<p><b>A CASE REPORT OF RECURRENT PAINFUL UMBILICAL ENDOMETRIOSIS</b>  <u>C. Tong</u>, C.C. Khong (<i>Singapore</i>)</p>
eP462	<p><b>THE DYSMENORRHEA IMPROVEMENT EFFECT OF RESECTION OF DEEP INFILTRATING ENDOMETRIOSIS AFTER CONTINUOUS HORMONAL THERAPY</b>  <u>K. Takeshi</u>, Y. Kadota, T. Kawakita, K. Yoshida, M. Iwahara (<i>Japan</i>)</p>

# Index of Authors

A			
Aalst, J. van	108	Alekseeva, L.	172
Aarup, P.T.	103	Alfieri, A.	138
Aarva, P.	148	Alfonsi, A.	102
Ababei, D.C.	122, 146	Alfosea-Cuadrado, G.M.	113, 121
Abalia, H.	113	Algun, C.	185
Abbas, D. Nabil	106	Algun, Z.C.	50, 150, 170
Abbott, J.H.	125	Ali, A.	188
Abbracchio, M.P.	171	Alim, M.A.	123
Abdelbadiee, S.	98	Alini, M.	101, 170
Abdulla, A.	126, 162	Aliotta, G.E.	156
Abejon, D.	189	Ali, T.	178
Abela, C.	167	Al-Kaisy, A.	51, 76, 150, 191
Abercrombie, T.J.	120	Al-Kaisy, O.	191
Abhayasinghe, K.	163	Allano, G.	166
Abichandani, D.	127	Alliot-Launois, F.	102
Abraham, L.	74, 95, 125, 141, 155, 156, 157, 192	Almagro, I.	191
Abreu, P.	150, 172, 179	Almog, S.	113
Abreu, T. Garcia	91	Alonso-García, M.	148
Achard, A.	176	Alriksson-Schmidt, A.	143
Achterberg, W.	65	Alsubaie, A.	97, 170
Ackermann, P.W.	123	Álvarez, M. Calvo	171
Aczél, T.	118	Alvarez-Perez, B.	177
Adahan, H.M.	155	Álvarez, V. López	116
Adamczyk, W.	122, 151	Amaniti, A.	109
Adamczyk, W.M.	149	Amato, A.	120, 144
Adashinskaya, G.	195	Amato, F.	169
Adell-Calduch, A.	121	Amelung, V.	150
Adler, Z.	165	Amirkhanova, S.	98
Aerts, H.	185	Amital, H.	155
Aeschlimann, A.	184	Ammanouil, E.	90
Afonso, A. Serrano	171	Ammar, R.	92, 115, 163
Afonso, C.	142	Amodeo, G.	156
Afonso-Gómez, R.	163	Amouroux, R.	136
Afonso, V.	102	Anand, A.	167
Agarwal, V.	178	Anand, P.	51
Agnesi, F.	150, 191	Anastasiou, E.	189, 190
Agostinho, M.	127	Andersen, H.H.	94, 95, 142, 194
Aigualusa, L.	175	Andersen, J.S.	146
Agustí, E. Vidal	187	Andersen, O.K.	87, 92, 104, 126, 128
Aharon-Peretz, J.	113	Andersen, T.E.	195
Ahijado-Agudo, J.M.	161	Anderson, D.	176
Ahmad, A.	167, 190	Andersson, D.	120, 121, 176
Ahmed, A.	188	Andersson, E.	195
Ahmed, S.	166	Andias, R.	104, 113
Ahn, H.J.	118	Andonov, Y.	184
Ahn, J.H.	193	Andrade, D. Ciampi de	54, 104, 140
Aho, T.	98	Andreatini, R.	97, 117
Åkerblom, Y.	155	André, D.	182
Akhondzadeh, R.	115, 165	Andréll, P.	130
Akin-Akinyosoye, K.	126	Andrés-Rodríguez, L.	101, 109, 147, 153
Alacreu, H. Beltran	140	Andric, I.	163
Alam, G.F.	187	Andrieux, A.	145
Alamgir, A.	190	Andrijauskas, F.	100
Alas, G.	187	Angarita-Osorio, N.	109, 147, 153
Alberto, P.F.	187	Ång, B.	104
Albino-Teixeira, A.	131	Ång, B.O.	107
Alcaine, M. Boldo	175	Angst, F.	184
Alcaraz-Martinez, A.B.	161	Anikin, S.	172
Alcino, S.	142	Ansari, A.H.	107
Aldington, D.	112	Antacle, N. Jarma	110, 188
		Antonenko, F.	91
		Anton, F.	137
		Antonio, B. San	173
		Antonio, S. Di	94, 168
		Antoniou, E.	164
		Antonov, S.	140
		Antunes, F.	102, 112
		Antunez, R.	127
		Anwer, H.	164
		Aoyagi, K.	146
		Aprile, M.	142
		Arabjeva, D.	184
		Arad, M.	139
		Aragão, Y. Marques	108, 193
		Arai, Y.-C.	177
		Araya, E.	117
		Araya, E. Ivanna	97
		Arbonés, E.	165
		Arcay, E. Villar	175
		Arden, N.K.	56
		Arendt-Nielsen, L.	53, 62, 77, 94, 95, 97, 102, 103, 116, 117, 118, 126, 141, 142, 146, 156, 168, 176, 178, 194
		Argaman, Y.	130, 154
		Argente, P.	167, 171
		Argilaga, M.	138
		Arguissain, F.	99, 146, 178
		Arguissain, F.G.	128
		Årnes, A.	147
		Årnes, A.P.	101
		Aronica, R.	142
		Årons, M.	105, 169
		Arora, M.	142
		Arrabal, M.P. Vargas	165
		Arranz, B.	147
		Arranz-Durán, J.	163
		Artero-Morales, M.	123
		Arvaniti, C.	154, 189
		Asaad, I.	127, 151
		Asada, K.	107, 182
		Asaki, T.	131
		Asano, S.	93
		Åsenlöf, P.	155, 193
		Aseri, S.	105
		Asgar, J.	50
		Ashe, H.	191
		Ashgar, J.	120
		Ashina, S.	116
		Ashurkov, A.	191
		Asiri, M.M.	55
		Aslaksen, P.	185
		Asselt, A.D.I. van	53
		Assmann, R.	154
		Aster, H.C.	152
		Aston-Jones, G.	147
		Atac, A.	185
		Atalay, O. Telli	170
		Atee, M.	74, 183
		Aternali, A.	148
		Athanassiou, L.	95, 170, 173
		Athanassiou, P.	95, 170, 173
		Attal, N.	64, 74, 80, 101, 120
		Attridge, N.	125, 149
		Aubrun, F.	102
		Augustin, M.	100
		Aukes, H.	173

# Index of Authors

Aulchenko, Y.S.	116	Barco, G. del	106, 108	Bennett, M.	65
Aung, W.	191	Bardoulat, I.	101	Benoliel, R.	147
Aurilio, C.	138, 141, 162, 164, 165, 174	Bareta, S.	151	Benz, T.	184
Avci, O.	184, 195	Bariuso, E. Vila	138	Berenbaum, F.	55
Avellana-Zaragoza, J.-A.	163	Barjandi, G.	171	Berends, C.L.	130
Avellaneda, E. Cao	196	Barke, A.	100, 123, 182	Berfelo, T.	103
Avian, A.	75	Bär, K.-J.	154	Berg, A.	108
Aviram, J.	155	Baron, R.	73, 97, 126, 139, 142, 151, 168	Berg, A.K.	90
Axelsson, J.	102	Barrachina, J.	106, 108	Berga, N. Tapia	110, 188
Aydin, O.N.	176	Barraís, L.	145	Berg, B. van den	103
Ayob, F.	166, 175	Barreda, S.	167	Bergh, O. Van den	47
Ayyaswamy, B.	167	Barrera, M.D.V. Fernández	165	Berg, H. Svardal	152
Azevedo, L.	92	Barrientos-Trigo, S.	90, 151	Bergman, S.	101
Azevedo, S.	142	Barros, G.A. Moreira de	185	Bergvik, S.	93, 158
Aziz, L.	187	Barroso, A. Ribeiro	97	Berkovitch, T.	155
<b>B</b>					
Baadjou, V.	132	Barrot, M.	155	Bermejo, A.	167
Babatunde, O.	163	Barry, D.	128	Bermejo, I.	101
Babel, P.	47, 125, 149	Bartlam, B.	162	Bermúdez, G. Serrano	194
Babiloni, A. Herrero	147	Bartrés-Faz, D.	185	Bernaerts, L.	144
Babiloni, C.	176	Bartys, S.	80	Bernal, D. Samper	175
Babin, D.	145	Barulin, A.	97, 170	Bernat, M. Balasch i	178, 195
Backer, S. De	144	Basic, J.	119, 169	Bernfort, L.	53
Backman, J.T.	157	Basi ski, A.	139	Berquin, A.	124, 180
Backryd, E.	189	Ba kurt, F.	160	Berta, T.	92
Badiola, I.	112	Basta, I.	121	Berthele, A.	139
Badosa, E. Leiva	171	Bast, T.	97	Bertolotti, M.	138
Baekcryd, E.	48	Bastuji, H.	124, 177	Bervoets, C.	170, 177
Bae, J.-Y.	106	Batallé, G.	145, 172	Berwick, R.	105, 176
Bagchi, S.	192	Batistaki, C.	123, 154, 189	Beschea-Chiriac, S.	146
Bagge, J.	196	Batlle-Salvans, A.	177	Besson, M.	121, 156
Baggio, J.	171	Batterham, A.	107, 189	Bettencourt, M.	92
Bagó, A.	146	Baydal-Bertomeu, J.M.	101	Betteridge, N.	69
Bagó-Mas, A.	140	Bayrak, G.	173	Beukel, B.A.W. van den	176
Baharpoor, A.	121	Beall, D.	112	Beukel, B. van den	56
Bahouth, H.	104, 127, 138, 139, 164	Bech, M. Winther	136	Beuken, G.	124
Bahra, A.	167	Beck, C.	47, 74, 95, 125, 141, 157, 192	Beumer, A.	105
Baia, W.R.M.	180	Becker, L.	155	Bevan, S.	120, 121, 176
Bailey, A.G.	175	Becker, S.	67	Beyaz, S.G.	141
Baillet, S.	128	Beck, J.	156	Beyer-Koczorek, A.	94, 156
Bajcar, E.A.	125, 149	Beckwée, D.	160	Bezerra, F.M. Diógenes Holanda	118
Bakhtiari, N.	100, 115	Bedran, H.	190	Bezivin, S.	145
Bakr, R.	163	Bedson, J.	137, 162	Bezrodnyi, B.	197
Bakshi, S.	92	Beetsma, A.J.	184	Bharati, S.J.	165
Balasubramanian, S.	160	Begley, E.	102	Bhargava, S.	119
Ballester-Arnal, R.	172	Begum, N.	178	Bhargava, V.	119
Ballester, P.	108, 185	Behzadnia, M.J.	112	Bharwani, K.D.	117, 167
Baltali, S.	138	Beintema, A.	139	Bhatia, R.	122
Baluci, C.	136, 182	Beitia, A. Benlloch	167, 172	Bhatnagar, M.	162
Bande, D.	165	Belfer, I.	69	Bhatnagar, S.	165, 166
Banerjee, G.	132	Belinskaya, D.	140	Bhat, S.	145
Banhegyi, P.	120	Bellamy, G.	126, 162	Bhayani, S.	186
Baniahmad, A.	115	Bellefroid, E.	137	Bherer, L.	95, 169
Bannister, K.	54, 73, 103	Bellosta-López, P.	100, 144, 148	Bibra, D.	142, 176
Banqueri, P. Galván	165	Bell, R.F.	67, 68	Bicu, F.	99
Bansal, D.	95	Belmonte, S.	90	Bieniek, A.	151
Baranidharan, G.	150	Beltrán-Alacreu, H.	109	Bieniek, H.	125, 149
Barbero, M.	127	Bendas, A.	95, 169	Biest, L. Van der	149
Barbieri, S.	106, 186	Bendix, L.	143	Bigalke, S.	139
Barbosa, A.S.	180, 184	Bendtsen, L.	52, 64	Biggs, L.	131, 157, 179
		Benedetti, F.	74	Bijl, E.J.	115
		Bengtsson, L.	130	Bild, V.	122, 146
		Benichou, A.C.	130	Bild, W.	122, 146
		Ben-Lulu, C.	139	Bileviciute-Ljungar, I.	91

# Index of Authors

Biliotti, S.	138	Borton, D.	114	Brugger, P.	150
Bilir, A.	129	Borzsei, R.	120	Brummelen, E.M.J. van	130
Bilteryx, T.	141, 180	Bosak, N.	104, 127, 138, 139, 164	Brunoni, A. R.	140
Binder, A.	139	Boskovic, K.	168, 172, 183	Bruns, D.	100
Bingel, U.	165	Bošković, K.	162, 182	Bruyneel, L.	143
Bird, E.V.	96	Botella, C.	171	Bruyninckx, F.	170, 177
Birke, H.	131	Bothe, S.	124	Bruzzo, A.	107
Birklein, F.	98, 175	Bothmer, J.	160, 178	Brzezinski, K.	160
Birmes, B.	169	Böttger, K.	166	Bubbico, G.	186
Biró-Sütő, T.	122, 124	Botz, B.	93	Bubnov, R.	167, 168, 174
Bischoff, R.	124	Bouazza-Marouf, K.	186	Büchel, C.	150
Bizjak, E.	186	Boudreau, S.	99, 100	Bucher, M.	192
Bjarkam, C. R.	123, 127	Boudreau, S.A.	77, 123, 127, 136, 148, 151	Buchser, E.	107
Björk, M.	106, 196	Bouhassira, D.	54, 66, 74, 124, 151	Budera, P.	181
Bjureberg, J.	152	Boulanger, A.	185	Buechel, C.	68
Black, C.	114	Boullon, L.	94	Buglewicz, E.	125, 149
Blake, C.	101, 107, 182	Boulton, R.	92	Bugno, R.	157
Blanco-Blanco, J.	74, 169, 177	Bourgouin, J.	185	Buhera, O.	181
Blanco, F.	55	Bourlogiannis, F.	190	Büitenweg, J.R.	103
Blanco, M.E.	109	Bovet, L.	121	Buker, N.	91
Blasco, A.	166, 194	Boxem, K. Van	153, 189, 193	Büker, N.	173
Blasco-Ausina, M.C.	113	Boykov, S.	140	Bukumiric, Z.	169
Blasco-Serra, A.	113, 121	Bozhenko, M.	50	Bullock, L.	137, 162
Blaszczok, H.	98, 120, 139, 175	Bozovic, I.	121	Bültmann, U.	53
Blehschmidt, V.	178	Braaksma, P.	114	Bum, C. Jong	167
Blichfeldt-Eckhardt, M.	143	Brączyk, J.	125, 149	Bunk, S.	91
Blowey, S.	192	Bradbury, F.	163	Burbano, M. Ceballos	138
Boada, S.	81	Bradley, C.	130	Burgess, E.	167
Boadas, P.	146	Bradley, O. Gumuskaya	100	Burgic, A.	194
Boadas-Vaello, P.	140, 166, 177	Bramato, A.	139	Burianov, O.	90, 115, 197
Board, D.	92, 167	Bramson, C.	55, 96	Burnod, A.	166
Boast, R.	167	Branders, S.	74	Busch, M.	90, 96
Bobef, F.	95, 169	Braude, S.	187	Buse, D.	116
Bock, E.	128	Braun, A.	152	Bushmakín, A.	125, 157, 192
Boecker, H.	107	Brazález, B. Navarro	112	Bushnell, M.C.	47
Boekel, R. van	47, 48, 61, 74	Breen, C.	107	Buskens, E.	53
Boersma, K.	147	Breivik, H.	60	Busserolles, J.	193
Boettiger, B.	153	Brempt, I. Van der	124, 180	Bustamante, G.	91
Bogaert, S. Van den	124, 180	Brierley, S.M.	121	Butler, C.	98, 120, 139, 175
Bogaert, W. Van	173	Brieskorn, L.	121	Butler, S.	99, 177
Boissonade, F.M.	96	Briggs, M.	132, 154	Buttigieg, G.	136, 182
Bojarski, A.	157	Brighina, F.	142	Buxbaum, C.	104, 127, 138, 139, 160, 164
Bojke, C.	91	Brill, S.	56, 86, 112, 148, 155	Buyl, R.	160
Bolash, R.	55, 96	Brink, A. Maassen van den	57	Buyse, K.	189
Bölskei, K.	118	Brisby, H.	96	Buyse, G.	143
Bolle, N.	181	Briuks, K.	169	Byrne, A.	154
Bolliger, M.	74	Brkic, B. Medic	194	Bytyqi, A.	164
Bolognini, N.	142	Brodit, S.J.	162		
Boltenkova, V.	137	Broeckmans, S.	124, 180		
Bombaci, H.	50	Broeke, E.N. van den	87, 125, 178, 184		
Bonacaro, A.	126, 162	Broekmans, S.	184		
Bonagura, P.	164	Broek, R.P.G. Ten	176		
Bondesson, E.	47	Broek, R. Ten	56		
Bondoc, A.Z.	162, 172	Brogienne, L.	164		
Bonet, I.J.M.	160	Brookes, M.	107, 189		
Bönnemann, C.	47	Brouns, R.	130		
Bonnert, M.	152	Brouwer, G.	47		
Bono, M. García	178	Brouwer, S.	53		
Borbely, E.	120	Brown, C.	154		
Borchgrevink, P.	99, 177	Brown, M.	55, 166, 175		
Boré, F.	191	Bruce, J.	74, 91		
Borne, M. van den	105	Bruckmüller, H.	139		
Borràs, X.	109, 147, 153	Bruggen, F. ter	190		

## C

Caballero, M.D.	174
Cabarga, L.	145, 172
Cabezón-Álvarez, A.	163
Cabrera-Espinós, E.	163
Cabrera-León, A.	90, 151, 179
Cabrera, M.I. De Miguel	104
Cabrera, M. Navarrete	169
Caceres-Matos, R.	184
Cadic-Melchior, A.	124
Caeyenberghs, K.	185
Cagli, A.	149
Cagnie, B.	119, 128, 141, 144, 173, 180,



## Index of Authors

185			
Cai, Z.	122	Cassoni, G.	139
Cajaraville, J. Perez	182	Castagné, V.	145
Calandre, E.P.	101	Castaldo, M.	94, 95, 168
Calcagno, P.	113	Castañeda-Hernández, G.	122
Caldichoury, A.	145	Castarlenas, E.	125, 137, 151, 185
Caliebe, A.	139	Castelnuovo, G.	148
Caliskan, D. Karakose	141	Castilla, D.	104, 127
Calix, N. Chinchilla	187	Castillo, C.	180
Callaghan, T.	176	Castino, P.	150
Callebaut, V.	124, 180	Castro, J.	121
Calvo, A.	90	Castro, M. Bermúdez	132
Calvo-Sáez, J.I.	163	Casuso-Holgado, M.J.	114
Camargo, O. Pires de	176	Catalá, E.	138
Camerone, E.M.	74	Català, E.	171
Cameron, M.G.	175, 194	Catrolí, G.F.	100, 144, 174
Cameron, P.	46	Cattan, A.	188
Campbell, P.	137, 162	Cattaneo, G.	185
Campo, L.	47	Caty, G.	153
Campoo, M.B. Rodriguez	191	Cauchie, A.	136
Campos, A. Rólim	117, 118, 171	Caumo, W.	183
Campos, D. López	174, 189	Cavalete, S.	175
Campos, P. Roca	110, 188	Cavalier, C.	104
Canadell, M. Sas	110	Caverius, U.	47
Canaiipa, R.	127, 184	Cebollada, A. Guerri	167, 172
Canaway, A.	74	Cedraschi, C.	121
Canciello, S.	138	Celanire, S.	194
Candotti, C.T.	53	Celik, M.Ö.	108
Canelas, A.	170	Ceña, M. María Palacios	95
Canos, A.	167	Cerqueira, M.	180, 184
Canos, M.A.	81, 171	Ceruti, S.	96, 171
Canos-Verdecho, M.A.	155, 189	Cervera-Ferri, A.	121
Cantagrel, N.	136	Cervero, F.	72
Caon, M.	163	Cesare, P.	194
Capela, A.	155	Cescon, C.	127
Cappelleri, J.	125, 157, 192	Chabert, J.	121
Capriati, A.	138	Chadha, P.	96
Carboni, V.	74, 95, 141	Chakka, U.	160
Cardot, J.M.	176	Chakravarthy, K.	129
Carey, W.	55	Chalaye, P.	130
Cariño-Cortés, R.	122	Chamandi, S.	90
Carlesso, L.	173	Chandler, R.	126, 162
Carlino, E.	74	Chang, M.	118
Carnevali, D.	178	Chan, L.	167
Carpenedo, R.	153	Chan, M.T.V.	99, 178
Carrapatoso, G.	92	Chanza, M.	90
Carraro, V.	102, 182	Chapman, H.	146
Carregal, A.	174, 179	Chapman, V.	78, 97, 119
Carrillo-de-la-Peña, M.T.	105, 130, 150, 178, 181	Chapuy, E.	193
Carroll, A.	75	Charrua, A.	80, 121
Carr, R.	124	Charvériat, M.	155
Carstens, E.	122	Chaudhary, S.	122
Carstens, J.	149	Chawla, R.	121, 154
Carstens, M. Iodi	122	Cheah, C.	107
Carta, G.	175	Chehade, H.D.	129
Carvalho, E.	117	Chehadi, O.	90, 96
Casado-Echarren, V.	163	Chen, A.	112
Casado-Neira, J.	161	Chen, A.F.	187
Casanova, J.	67, 85	Chen, C.C.	123
Cascorbi, I.	139	Chen, D.	138
Casellas, M. Ruiz	110, 188	Cheng, S.J.	99
Cassidy, H.	191	Chen, L.	107, 117, 129, 189, 190
		Chen, L.C.	157
		Chen, T.C.	157
		Chen, W.H.	123
		Chen, Y.	137
		Chen, Z.	146
		Chesher, D.	91
		Chesler, A.	47
		Chessell, I.	108
		Chessell, T.	108
		Chetty, S.	112
		Chevalley, O.	195
		Chew-Graham, C.	137, 162
		Chiacchiaretta, P.	186
		Chiarioni, G.	193
		Chiarotto, A.	183
		Chicas-Sett, R.	194
		Chichorro, J.	117
		Chichorro, J. Geremias	97
		Chidiac, G.	90
		Chifu, I.C.	182
		Chikira, M.	99
		Childs, S.	73, 92
		Chinè, E.	153
		Chittora, R.	162
		Cho, H.J.	112
		Cho, H.J.	186
		Choi, J.	146, 186
		Choi, J.B.	172
		Choi, J.I.	181
		Choi, J.W.	153, 166
		Choi, S.S.	186
		Cho, S.	181, 195
		Christensen, J.D.	194
		Christensen, K.	117
		Christensen, S.	56, 97, 163
		Christensen, S.W.	100, 144
		Christopher, A.	155
		Christrup, L.L.	49
		Chrona, E.	123
		Churukanov, M.	94, 173
		Churuykanov, M.	137
		Ciałkowska-Rysz, A.	132
		Ciapała, K.	119, 193
		Ciardo, A.	109, 180, 186, 195
		Ciechanowska, A.	108, 156
		Ciotu, C.	122
		Cisse, Z.	136
		Clantau, M.	160
		Clantau, M.D.	184
		Clark, B.	132
		Clarke, A.	183
		Clark, J.	169
		Clauwaert, A.	53, 147, 170
		Clave, J.L.C.	187
		Clémenceau, L.	193
		Clemmensen, S. Louise Kjær	136
		Climent-Sanz, C.	74, 169, 177
		Coentro, J.	156
		Cogan, J.	185
		Cohen-Adad, J.	169
		Cohen, J.	116
		Cohen, J.M.	116
		Cohen, R.M.	139
		Cole, J.	47
		Collin, C.	101

# Index of Authors

Colloca, L.....	47
Col, R. De.....	124
Coluzzi, F.....	139
Comas, M.....	165
Conaghan, P.....	125, 157, 192
Condemi, A.....	174
Condi, P.....	113
Conesa, C. Rabal.....	196
Connor, L. O'.....	181
Consonni, S.R.....	144, 174
Constantinescu, C.....	74, 95, 141
Conway, P.....	101, 148, 179
Cool, K.....	95, 169
Coombes, B.....	56
Coon, J.R. Thompson.....	92
Cooper, C.....	56
Cooper, R.....	188
Coppes, M.H.....	53
Coppieters, I.66, 85, 119, 128, 158, 160, 173, 185	
Coppolino, F.....	165
Corac, A.....	169
Corbett, A.....	92
Corbi, F.....	74, 169
Corcuff, J.-B.....	174
Cordier, L.....	181
Corp, N.....	96, 163
Corral, C. Sánchez.....	116, 189
Correa, R.....	160
Correia, D.....	154
Corrente, A.....	141
Corrigan, A.....	90, 174
Corvin, S.....	145
Coskunsu, D. Karagozulu.....	196
Costanzo, E. Di.....	164
Cottrill, K.....	183
Coulombel, N.....	101
Courtin, A.....	153
Courtney, C.....	86, 146
Coutu-Nadeau, E.....	147
Cox, F.J.....	180
Cozar, L.....	149
Creed, F.....	121
Crespo, S. Viedma.....	138
Crombez, G.67, 124, 149, 170, 180, 182	
Crossley, K.M.....	151
Crowther, T.....	150
Crucco, G.....	64
Cruz, F.....	121
Cuadrado, M.L.....	116
Cubillana, P. López.....	196
Cubukcu, M.M.....	117
Cudennec, C. Le.....	145
Cueco, R. Torres.....	85
Cuesta-Vargas, A.....	183
Cueva, A.S.....	91, 176
Cuevas, M.J. Muñoz.....	169
Cuhadar, U.....	121
Cumberbatch, M.....	126, 162
Cummins, T.....	103
Cunha, A.M. Rodrigues da.....	113
Curatolo, M.....	77, 185
Currie, C.....	101, 148, 179
Curt, A.....	50, 53, 93, 127

D	
Daali, Y.....	156
Dąbrowska, W. Mędrzycka.....	- 171
Daguet, I.....	124
Dahan, A.....	132
Dahlem, C.....	92
Dalakakis, I.....	109
Dalgaard, M.....	97
Daly, F.....	175
Damerino, G.....	142
Damião, C.....	149
Damien, J.....	130
Damme, S. Van.....	53, 55, 147, 170
Dams, L.....	139
Dandegaonkar, P.....	156
Danielsson, L.....	93, 120
Dankaerts, W.....	170, 177
Dankerlui, R.....	183
Danneels, L.53, 104, 119, 158, 170, 180	
Danyali, S.....	99
Darapi, J.....	140
Dardavesis, T.....	95
Das-Cas, C.D.....	171
Dash, T.....	124
Daszkiewicz, A.....	180
Davenport, M.....	183
Davies, A.....	65, 128
Deb, A.....	164
Deckert, S.....	104, 127, 184
Decuman, S.....	182
Deen, F.....	108
Deer, T.....	129
Deevy-Gray, E.....	191
Deiros, C.....	115
Dekel, B. Samolsky.....	136, 183
Dekker, R.....	140, 168
Delage, N.....	136
Delgado, E. Mercado.....	191
Delgado, R. Sánchez.....	98
Delgado-Ureña, M.....	163
Delorme, T.....	191
Demina, A.....	116
Demirtaş, R.N.....	98, 120
Demitrack, M.....	132
Demolle, D.....	74
Denardin, A.C.....	171
Dénes, Á.....	93
Denisov, L.....	172
DePalma, M.....	112
Desidera, A.....	180
Desmeules, J.....	121, 156
Despotovic, M.....	119
Despres, O.....	151, 161
Deuis, J.....	124
Deulouef, M.....	140, 166, 177
Devereux, L.....	107
Devetzi, E.....	95, 173
Devlikamova, F.....	188
Devlin, J.....	195
Devoogdt, N.....	139
Devor, M.....	51
Dhatt, S.....	170
Dhondt, E.....	104, 126
D'hondt, N.....	92
D'Hoore, A.....	164
Diamantaki, E.....	164
Dias, B.....	121
Dias, L.....	113
Diasso, P.D.K.....	131
Diatchenko, L.....	60, 68
Díaz-de-Corcuera-Frutos, I.....	163
Díaz, I. de la Rosa.....	112
Díaz, M. Roncero.....	167
Díaz, R.....	171
Díaz-Ricós, J.A.....	163
Dicker, D.....	124, 180
Dieën, J. van.....	92
Dieguéz, M. del Río.....	132
Diener, H.C.....	116
Dierolf, A.....	137
Diers, M.....	181
Diesch, C.....	139
Dieterich, A.....	183
Dijk, J.F.M. van.....	55, 152
Dijkstra, P.U.....	53
Dik, W.A.....	117
Dimova, V.....	98
Dinant, G.J.....	105
Dinatale, A.S.....	141
Dirckx, M.....	117, 167
Dissanayake, D.H.P.....	179
Dissanayake, L.....	163
Divya, D.....	165
Djulic, S. Stoicic.....	184
Djulic, S. Stojicic.....	190
Dmytriiev, D.....	91, 136, 144
Doan, Q.....	190
Doblado, P. Pérez.....	171
Dobos, I. Kisné.....	124
Dobrogowski, J.....	108, 129, 180
Dodurgali, D.....	151
Dokmeci, D.....	124
Doll, R.J.....	127
Dols, M. Cobo.....	194
Domenech, M.J. Miró.....	138, 163
Doménech, V.....	100, 144, 148
Domijan, M.....	151
Domingues, F. Seullner.....	185
Dominovic-Kovacevic, A.....	121
Domocos, D.....	122
Domoto, R.....	144
Donatiello, V.....	165
Dong, H.J.....	154
Donkervoort, S.....	47
Donnelly, E. Burgess.....	113
Donnet, A.....	136
Donnini, C.....	178
D'Onofrio, P.....	102
Doody, C.....	101, 107, 182
Dorp, R. van.....	102
Dougherty, P.M.....	120
Douzepe, E.....	164

# Index of Authors

D. Pud	152
Dragic, Z.	161
Dragioti, E.	93, 106
Dragoi, A.M.	102
Drewes, A.	193
Drewes, A.M.	50, 65, 68, 121, 126, 145
Droguerre, M.	155
Drosdowech, D.	162
Drzezga, A.	153
Dubinina, T.	116
Dubový, P.	140, 146
Ducheix, G.	176
Ducki, S.	193
Duclos, M.	174
Ducous, F. Morell	167
Dueñas, L.	85
Dueñas, M.	116, 140
Dueñas-Rodríguez, M.Á.	179
Dufour, A.	151, 161
Duijn, E.	105
Dumtsev, V.	170
Dunham, M.	126, 162
Dunlevy, C.	107
Dunn, K.M.	95, 97
Dunyak, J.	108
Dupoiron, D.	191
Durando, L.	120
Dureja, G.	142, 176
Durek, T.	124
Dürsteler, C.	90
Duschek, S.	52, 177
Dutmer, A.L.	53, 95
Dux, M.	124
Dydykin, A.	197
Dyer, K.	136
Džabijeva, V.	176
Dzierzanowski, T.	132

## E

Eberhardt, M.	145
Eccleston, C.	67, 125
Echeita, J. Ansuategui	140, 168
Echtermeyer, F.	145
Economopoulos, G.	115
Efe, B.	120
Eghtesadi, M.	180, 185
Egloff, N.	185, 188
Ehab, S.	92
Ehret, G.	121
Ehrhardt, S.	183
Eiger, B.	74
Eijkkelkamp, N.	55, 62, 90, 139
Eikelboom-Demper, I.D.	107
Eisenberg, E.	51, 72, 113, 118, 143, 152, 155, 165
Ekholdt, C.	90, 136
Eklund, K.	154
Ekselius, L.	193
Elberling, J.	94, 194
Elbers, S.	188
Eldabe, S.	54, 79, 107, 189, 191
Elfering, A.	184

Eliav, E.	190
Elizagaray, N.	140
Ellamushi, H.	190
Ellerbrock, I.	50, 128
Eltantawy, M.	187
Eman, A.	141
Emch, M. Franco	91
Endepols, H.	153
Engdahl, B.	101
Engelen, L.	72
English, A.W.	187
Enmi, J.	94
Enomoto, H.	125, 155, 156
Enriquez, B.	114, 123
Enthoven, P.	136, 154
Erden, V.	138
Erdes, S.	116
Erdogan, B. Doganay	142
Erdoğan, S.B.	50
Erel, S.	144
Ergonenc, T.	141
Eriksson, E.	179
Ernberg, M.	121, 171, 177
Eroles, X. Garcia	187
Erotyak, J.	124
Erotyák, J.	122
Errebo, M.	74
Ertilav, E.	176
Escamilla, B.	98
Eschalié, A.	193
Escribá, J.M. Mercado	104
Esin, A.	164
Espanha, M.	103
Espinosa-Juárez, J.V.	174
Espinoza, H. Gutierrez	172, 196
Espinoza, H. Gutierrez	196
Esposito, V.	164
Essner, U.	131
Esteve, R.	149, 181
Estlander, A.M.	96, 99
Ettinger-Veenstra, H. van	152
Evangelista, M.	162
Evansa, I.	176
Evans, N.	105
Evdokimov, D.	152
Evers, A.	47, 52
Ezzatpanah, S.	177

## F

Fabig, S.C.	126, 151
Fabre, C. Gracia	172
Fadel, S.	104, 127, 138, 139, 164
Faghih, M.	121, 126
Failde, I.	116, 140
Failde-Martínez, I.	179
Fairbank, J.	76
Faisal, Z.A.	155
Falkenberg, T.	189
Falla, D.	95, 127, 144, 173
Fallon, M.	75
Fallon, N.	154
Falowski, S.	54, 103, 130, 189

Fanalista, S.	136
Farhat, J.P.	129
Farias, F.H.	174
Farladansky, E.	188
Farley, D.	125, 149
Farmer, A.	193
Farquhar-Smith, P.	166, 175
Fauler, I.	189
Feixas, G.	101
Feliu-Soler, A.	101, 109, 147, 153
Fenech, C.	167
Ferguson, E.	126
Ferlisi, S.	142
Fernandes, C.	105, 150
Fernandes, D. Toledo Reis Mendes	140
Fernandes, P.	79
Fernandes, P.D.	131
Fernandez, A.	128
Fernández, A.J. Carrascosa	171
Fernández-Baena, M.	149
Fernández-Carvajal, A.	123
Fernández-de-las-Peñas, C.	62, 86, 95, 116, 146, 168
Fernández, D. Soler	185
Fernandez, I. Huertas	190
Fernández-Lago, H.	177
Fernandez, T.	179, 190
Fernandez-Vergel, R.	109
Feron, J.-M.	124
Ferraccioli, D.	153
Ferrando, C.	90
Ferreira-Chamorro, P.	98
Ferreira, F.	180
Ferreira, J.	92
Ferreira, T.	154
Ferreira-Valente, A.	125, 128, 132, 149
Ferreira, V.B.G.	119, 193
Ferrer-Montiel, A.	123
Ferretti, A.	186
Ferri, C. Margarit	193
Ferrón, M.L. Moret	138, 163
Feyzioğlu, Ö.	150
Figueredo, G.	165
Filbrich, L.	125
Filimonova, T.	94
Filipovic, M.	145
Filli, L.	74
Finco, G.	112, 162
Fini, M.	174
Finn, D.	156
Finn, D.P.	94, 113
Finnegan, S.	91
Finnerup, N.B.	80
Finocchi, C.	94, 168
Fiol, N.	140
Fioraso-Cartier, L.	194
Fiore, M.	138, 141
Fischer, M.	122
Fjeld, M.	101
Fjeld, M. Kirkeby	147
Fjeld, O.	112
Flegg, D.	148
Fliszár-Nyúl, E.	155

# Index of Authors

Flor, A.	106, 108, 185, 193
Florea, R.	194
Flor, H.	99, 139
Flöther, L.	192
Flynn, J.	181
Focosi, A.S.	179
Fogelman, Y.	155
Foley, A.R.	47
Follansbee, T.	122
Fonager, K.	105
Fonseca, R.	170
Fontelles, M.I. Martín	115
Forcano-Sanjuan, S.	163
Forget, P.	124
Forkmann, K.	165
Forni, J.E.	113
Fors, E.A.	182
Forssell, H.	96
Forstenpointner, J.	97, 126, 139, 142, 151
Förster, M.	139
Fossler, M.	132
Foss, M.	113
Fournier, C.	147
Fraga, C.A.M.	131
Frahm, K.S.	92, 146, 178, 183
Franchi, S.	156
Francis, S.A.	126, 162
Franco, M. Di	103
Franco, S. Di	138
Frank, B.	102, 121, 154
Frankema, S.P.G.	167
Frantzeskos, G.	164
Fraser, A.	195
Frauenfelder, H.	114
Fraunberg, M.	128
Fraunberg, M. von und zu	169
Fregnan, F.	175
Freidin, M.B.	99, 116
Freimanis, I.	105
Freitas, M.S. De	171
Freitas, R.H.C.N.	131
Fricke, T.	145
Fricova, J.	183
Frid, A.	160
Frimerman, L.	147
Frings, S.	124
Frøkjær, J.B.	50, 145
Frot, M.	145
Fuensalida-Novo, S.	116, 168
Fugueras, M.	146
Fujita, M.	131
Fujitani, T.	146
Fukda, R.	144
Fukushi, S.	176
Fukutani, N.	101
Fullen, B.	63, 74, 76, 101, 107, 121, 182, 183
Fuller, A.M.	143
Fulop, B.	120
Furu, I. Krogstad	93, 158
Fusek, J.	103
Fust, J.	102, 122

<b>G</b>	
Gaalen, M.D. van	115
Gabovich, B.	186
Gabua, M.A.	172
Galán, S.	125, 185
Galea, R.	136
Galhardoni, R.	104, 140
Gallace, A.	127
Gallagher, H.	128
Gallén, S. Delgado	185
Galligan, M.	114, 123, 179
Galosi, E.	60
Gal, P.	104
Galvez, R.	174, 190
Gálvez, R.	165
Gambarotta, G.	175
Gándara, Á.	166
Garami, A.	155
García, A. Carballude	175
García-Azorín, D.	116
García-Bernal, I.	114, 178
García, C. Agreda	173
García, I.M. Ortiz	116, 189
García, J.	108, 131, 157, 165
García, J.B. Santos	154
García, L.	98
García-Larrea, L.	48, 54, 130, 145, 147
García, M.	180
García-Marrero, R.-D.	163
García, M.S.	182
García, M. Sanchez	174
García-Palacios, A.	104, 127
García-Parra, B.	166
García-Simon, D.	161
Garg, R.	165
Garner, F.	107
Garoushi, S.	151
Garrigos, M.	140
Garrone, B.	120, 144
Gascoin, E.	145
Gatchel, R.J.	183
Gatsiou, M.	173
Gatzinsky, K.P.	191
Gaudio, A. Del	193
Gaur, A.	186
Gavrilovski, A.	97
Gaynor, K.	107
Gayoso, M.V.	185
Gazerani, P.	90, 163
Gazouli, M.	123
Gea-Sánchez, M.	177
Gebelli, G. Adsera	110, 188
Gebhardt, L.	122
Gegeshidze, N.	179, 192
Geiger, Z.	183
Geisler, M.	154
Geissler, K.	164
Gemawat, N.	161
Genc, A.	109
Gendler, Y.	100
Genevay, S.	170
Gengbo, C.	179

Gentili, C.	195
Gent, L.	170
Gentry, C.	120, 121, 176
George, B.	166
Georgsson, S.	90
Ge, P.	121
Geppetti, P.	52, 94
Gerdle, B.	53, 104, 106, 107, 121, 136, 152, 154, 177, 189
Germani, G.	153
Gerra, M.C.	178
Gervasio, S.	146, 178
Geuna, S.	175
Geurmazi, A.	55
Geva, N.	102
Ghafouri, B.	121, 177, 189
Ghai, B.	95, 170
Ghasemi, R.	99
Ghazi, A.	187
Gheorghiu, I.	160, 184
Gholamian-Ovejero, S.	161
Ghomeishi, A.	165
Ghosh, M.	56
Giaccari, L.G.	164, 174
Giancotti, L.A.	174
Gibson, W.	117
Gierthmühlen, J.	97, 139, 168
Gil-García, E.	90, 151, 179, 184
Gil, H.Y.	167
Gilkes, T.	114, 123
Ginkel, M.P. van	55
Gin, T.	99, 178
Giordano, R.	142
Giorgio, F.P. Di	144
Giorgio, R. De	193
Giorgi, S.	123
Gios, J.	144
Giraud, V.	94
Girbés, E. Lluch	178, 195
Girón, M.D.R.	115
Gisi, D.	185
Giusti, E.M.	148
Gjerstad, J.	146
Gkolias, V.	109
Glaunec, L. Ruelle Le	177
Glennon, K.	105
Glette, M.	99, 177
Glines, R.	190
Gliozzi, M.	174
Glombievski, J.	78
Gloor, Y.	121
Gnass, I.	162
Goberna, M.J.	174
Godderis, L.	56, 182
Goebel, A.	61, 93, 112, 121, 176
Gogineni, K.	138
Gogremis, M.	195
Goicoechea, C.	79, 115
Gokmen, D.	109
Golden, K.	156, 192
Golubovska, I.	169
Gómez, J.L.	104
Gomez, N.	115



# Index of Authors

Hellriegel, J.	142
Helyes, Z.	93, 118, 120, 122, 124, 155
Hemstedt, T.	94
Hendrix, L.	153
Heneghan, N.	95
Heng, Y.V.	120
Henl, H. El.	124
Henne, C.	124, 180
Henrich, F.	99, 113
Henrich, M.C.	92
Herbsleb, M.	154
Heredia-Rizo, A.M.	114, 178
Herman, D.	181
Herman, E. Haspel	167
Hermans, L.	126, 152
Hermida, P. Rego.	105
Hernandez, A.	182
Hernández, C. Pérez	166
Herpertz, S.	181
Herrero, M.	173
Herrero, P.	100, 144, 148
Herron, K.	131, 157, 179
Herzog, C.	145
Hetenyi, C.	120
Heuch, I.	146
Heußner, D.	183
Heuven, R.	169
Hewitt, D.	154
Hewitt, S.	112
Hieba, A.	115
Hietanen, M.	98
Higuera-Gómez, O.	163
Higuera-Villar, C.	113
Hijma, H.J.	104
Hilde, G.	95
Hilkevics, J.	169
Hill, J.	96
Himion, L.	197
Hince, D.	117
Hipp, N.	150
Hiramoto, S.	121, 192
Hirata, R.P.	132
Hironaga, N.	105
H.Kress	60
Hoberg, T.N.	183
Hochberg, U.	139
Hockley, J.	176
Hoegh, M.	100, 103, 184
Hoelen, W.	139
Hoey, S.	192
Hoffmann, T.	124
Hofmann, J.	153
Hofmann, W.E.	94
Høgsted, T.	97
Hoheisel, U.	178
Ho, I.H.T.	99, 178
Ho, J.	150
Højsted, J.	131
Hoka, S.	190
Holm, C.	117, 168
Holmner, E. Pietilä	136
Holmström, L.	195
Holtby, R.	162
Holtmann, N.	169
Holt, S.A. Córdoba	106
Homola, G.	152
Homs, J.	140, 177
Homs, J. Montero	166
Honda, Y.	142, 143, 150
Honigman, L.	127, 151, 184
Hoogma, D.	164
Hoorn, W. Van den	92
Höppener, J.W.M.	55
Hora, S.	142, 176
Horibe, K.	101
Horing, B.	150
Horno, S. Mena del	178, 195
Hornstein, W. Freiherr von	192
Hortense, P.	112, 163
Horvath, A.	124
Horváth, Á.	122, 155
Hosokawa, K.	120
Hossain, A.	91
Hoti, K.	74, 183
Houghton, A.	72
Howard, E.	97
Hubanova, P.	155
Hubenova, P.	164
Huber, P.	182
Hubli, M.	50, 53, 93, 127
Hubloue, I.	173
Hucho, T.	153
Huerta-González, I.	163
Huge, V.	139
Hughes, J.	74, 183
Hugosdottir, R.	126
Huijter, H. Abu-Saad	162
Huijnen, I.P.J.	47
Hulens, M.	170, 177
Hüllemann, P.	67, 97, 126, 151
Hulot, S.	148
Hulsbosch, P.	193
Hultling, C.	193
Humphrey, R.M.	113
Hunyady, A.	120
Hupp, M.	93
Hurlemann, R.	107, 129
Hurtado, L.	98
Husbands, J.	192
Hussey, A.	183
Husum, H.	120
Hutting, N.	78
Huttunen, J.	128, 169
Huygen, F.9, 48, 49, 61, 79, 84, 93, 115, 117, 167, 173, 190	
Huysmans, E.	81, 160, 173
Hwang, S.W.	119
Hwang, T.-Y.	128
Hyppönen, J.	128
Hyypiä, M.-L.	180
Ibrahim, M.E.	170
Ibrahim, R.	117, 188
Ickmans, K.	56, 85, 141, 160, 173, 180
Ifesemen, O.S.	143
Iftimie, P.	188
Igitov, Y.	164
Iglesia, B. Bardisa de la	167, 172
Ignacio, J.M. Vazquez	172
Ijsseldijk, M.	56
Ikäheimo, T.-M.	169
Ikemoto, T.	177
Ilari, S.	103, 174
Ilic, N.	120, 184, 190
Imai, R.	185
Imamura, Y.	93, 141
Im, S.H.	143
İnanmaz, M.E.	141
Inda, M.D.M.	185
Ingham, P.	109
Ingle, P.	98
Inglis, M.	125, 149
Ingre, M.	102
Inhestern, J.	164
Isagulyan, E.	164
Isaikin, A.	117
Isa, T.	101
Ishigaki, T.	185
Ishigami, A.	132
Ishikawa, K.	117, 142, 150
Ishikura, H.	121
Ishinova, V.	176
Israel, M.	124
Ith, M.A.	101
Ito, A.	119
Ivacic, J.	168, 171, 172
Ivanova, M.	117
Ivanovski, I.	140
Ivanov, V.	137
Iwahara, M.	197
Iwata, K.	93
Iyengar, S.	160
Izquierdo, R.	167
<b>J</b>	
Jackson, J.	125, 155, 156, 157, 192
Jacobsen, H.	149
Jacobsen, H. Børsting	90, 136, 152
Jacobs, S.	143
Jacques, A.	96
Jaen, I.	104
Jafari, M.	165
Jahn, P.	96
Jahnsen, R.	143
Jahre, H.	97
Jain, A.	162
Jain, D.	165
Jain, P.	165
Jain, R.50, 107, 108, 129, 155, 189, 190, 191	
Jakers, R.	182
Jakobsson, M.	96
Jakowicka-Wordliczek, J.	180
<b>I</b>	
Iannuccelli, C.	103
Ibañez-Flecha, A.	104
Ibañez, J. Folch	172







## Index of Authors

Lares, A.	92	Lemes, J.B.P.	174	Llewellyn, A.	93
Lario, A. Paredes	194	Lenartowicz, E.	137	Llorens-Vernet, P.	147
Lario, I. Paredes	138	Lendvai, I.	107	Llorente-Berzal, A.	94
Larrea, L. Garcia	124, 177	Lenggenhager, B.	150	Lloyd, D.M.	109
Larsen, D.B.	117, 136	Lennox, N.	195	Lluch, E.	144, 173
Larsen, D. Boye	136	Lenoir, C.	60, 153	Locco, C.	169
Larsen, I.	126	Lenoir, D.	119, 158	Locko, B.	93
Larsen, I.M.	121	Léonard, G.	130	Loduca, A.	179
Larsen, J.B.	97, 142	Léon, V.	145	Loeser, J.	153
Larsson, B.	53, 93, 106	Leppämäki, S.	148	Löfgren, M.	106, 129, 145, 196
Larsson, B. Jakobsson	155	Lepsveridze, L.	164	Loggia, M.	73
Lascelles, J.	190	Lesage, F.	193	Logina, I.	105
Laskarakis, A.	115	Lesser, P.	156	Lohela, T.J.	157
Laskawska, M.	46	Letal, J.	192	Lolignier, S.	193
Lauro, F.	174	Letellier, B.	155	Loncar, Z.	151
Laursen, M.	151, 156	Leupoldt, A. Von	150	Longmark, T.	177
Laursen, M.B.	117	Leuven, S. van	56	Loor, C. Haylock	187
Lautenbacher, S.	52, 65	Leva, A.	138	Looveren, E. Van	141, 180
Lavandhomme, P.	84	Levenig, C.G.	96	Lopes, M.	154
Lavigne, G.	147	Levin, E.	191	López, A.J. Jiménez	194
Lavrnica, D.	121	Levin, L.Á.	53	López-Barajas, I. Blancas	194
Lawrenson, P.R.	151	Levins, K.	128	López, B. Soler	194
Laycock, H.	155	Levy-Tzedek, S.	102	López-Gil, S.	108
Lazarevic, D.	119	Lewandowska, K.	139, 171	López-Gil, V.	108
Lazar, M. Bürger	181	Lewandowski, B.	171	López-Martínez, A.E.	149, 181
Lazukic, A.	161	Lianskorunsky, V.	197	López-Millán, J.M.	98, 165, 184
Le, A.Q.	107	Li, D.	55, 96	López, M.J. Rodríguez	166
Leblanc, D.	191	Liedberg, G.	93, 196	López-Muñoz, F.J.	174
Lebrec, N.	191	Liedgens, H.	139, 152	Lopez-Padros, C.	166
Lebrun, L.	178, 184	Lie, M.U.	146	López-Pascual, J.	101
Lecca, D.	171	Lier, E.J.	154	López, R. Ching	165
Lechleiter, K.	50	Liersch, U.	167	López-Roig, S.	101
Lechner, S.	61	Liesto, S.	98	Loss, J.F.	53
Ledermann, K.	163	Liew, B.	95	Lötsch, J.	181
Ledesma, A. Gallego	138, 163	Lighthart, L.	68	Lotzke, H.	96
Lee, C.S.	106	Likar, R.	131, 132	Loudermilk, E.	112
Lee, C.S.Y.	129	Lilius, T.	67, 156	Lourenço, T.	165
Lee, E.J.	112	Lilius, T.O.	157	Louw, A.	81
Lee, G.	185	Liljencrantz, J.	47, 130	Love-Jones, S.	189, 191
Lee, H.	132	Lillywhite, A.	119	Lucas, C.	105
Lee, H.G.	146, 181	Lima, M.T. Flor de	148	Luca, T.I.	182
Lee, H.J.	171	Lim, E.Y.	175	Luciano, J.	101, 183
Lee, J.	156	Linares, R. Andolz	175	Luciano, J.V.	109, 147, 153
Lee, J.E.	171	Lind, C.	96	Ludwig, E.	169
Lee, J.Y.	113, 153, 167	Linderoth, B.	130	Luedtke, K.	122, 151
Lee, M.	176	Lindfors, T.P.M.	148	Luiz, A.P.	143
Leemans, L.	160	Linton, S.	74, 80	Lukas, A.	175
Lee, M.H.	166	Linton, S.J.	105	Lukic-Sarkanovic, M.	161
Leem, J.G.	186	Lioumis, P.	94	Lulu, H. Ben	104, 127, 138, 164
Lee, M.S.	186	Lipiec, M.	92	Lundberg, M.	96
Lee, M.S.	113	Lipton, R.	116	Lundeberg, S.	91
Leenders, J.S.G.	55	Lithfous, S.	151, 161	Lundstrom, E.	189
Lee, S.	186	Liu, M.	168	Lu, R.	153
Lee, S.H.	92	Liu, X.	99	Lütolf, R.	53
Lee, S.Y.	172	Livshitz, A.	167	Lu, V.	176
Lefaucheur, J.P.	93	Li, X.	156	Luxardo, N.	141
Leffler, A.	72, 145	Li, Y.	120	Luz, L. Laracho	175
Legrain, V.	125	Ljosaa, T.M.	152	Lyman, J.	112
Lehmann, S.	184	Ljoså, T.M.	90, 136	Lynda, L. Leibel	186
Lei, J.	146	Ljótsson, B.	152	Lysaght, J.	191
Leite, G. de Oliveira	117, 118, 171	Ljubisavljevic, S.	93		
Lekander, M.	195	Ljungvall, H.	193		
Lemaire, A.	166	Ljutow, A.	166, 182		

# Index of Authors

Maarrawi, J.	129	Mannheimer, C.	130	Mateus, A.	161
Macas, A.	164	Manning, D.C.	194	Mateus, E.F.	69
Macfarlane, G.	81	Mannion, O.	156	Mateu, V. Hosta	138, 163
Machado, D. de Brito	193	Manresa, J.A. Biurrun	128	Mathivon, S.	126
Machelska, H.	108, 172	Mansell, G.	96	Mathur, R.	107
Macian, N.	163, 174, 176	Mantashian, Z.	180	Matic, B.	163
Macri, R.	174	Mäntyselkä, P.	105	Matis, G.	189
Maculé-Beneyto, F.	109	Manzo, G.	165	Matot, I.	188
Madeleine, P.	97, 114, 142, 146	Maravic, M.	101	Matre, D.	146
Madhavan, T.	91	Marceau, G.	174	Matsuda, N.	101
Madi, A.	154, 189	Marchand, S.	130	Matsui, K.	176
Madrid, K. Maturana	169	Marco, A.	139	Matsumoto, K.	141
Madsen, C.H.	109	Marcolin, M.A.	140	Matsuura, T.	146
Maeda, A.	190	Marco, S. Di	142	Matta, E.	151
Maes, M.	109, 147	Marcuzzi, A.	66	Matteo, A. di	120, 144
Maeßen, T.V.	139, 152	Mar, F.	175	Matthey, A.	121, 156
Maeyer, I. De	180	Margarit, C.	106, 108, 182, 185, 197	Mátyus, P.	155
Magalhães, A.R.	184	Margarit-Ferri, C.	163	Maurer, M.	124
Magalhães, F.E. Alves	118	Mariatou, V.	115	Mauriño, P. Sánchez	194
Magalhães, S.F.	144, 157, 174	Marie, N.	193	Maurizio, E.	174
Magée, D.	166, 175	Marín, A. Giraldo	194	Maus, T.	55, 87
Magerl, W.	74, 99, 113, 139	Marinelli, A.	171	Mavri, M.	164
Magni, G.	96, 171	Marín, N. Segura	175	May, D.	139
Magnussen, L.H.	94	Marion, M.	180	Mayer, T.G.	183
Magpantay, L.	162	Mariotti, N.	191	Mayeux, J.	187
Mahfouz, R.	106	Markkula, R.	99	Mayo, M.	174
Maier, C.	139	Markman, J.	55, 96	Mayr, A.	96
Maihofer, C.	60, 61, 139	Markovic, S. Varagic	120	Mazuquin, B.	74
Maindet, C.	166	Marquez, E.	127	Mazza, S.	147
Main, K.M.	131	Marri, T.	120	McAlindon, T.	55, 96
Maino, P.	170	Marshall, A.	47	McCabe, C.	56, 93
Maire, C.	174, 189, 190	Martel, M.O.	147	McCloskey, S.	170
Mairesse, O.	141, 180	Marti, A. Minguez	91	McCracken, L.	119
Maitan, S.	187	Martín, B. Arranz	194	McCroly, C.	191
Ma, J.	101, 170	Martínez, A.	180	McCullough, H.	112
Makdani, A.	47	Martínez, A. Gil	140	McGehee, E.	143
Mäkelä, J.	94, 129	Martínez, A.M. Ruiz	165	McGlone, F.	47
Makino, K.	103	Martínez, A. Rocandio	178	McGuire, B.	181
Makkai, G.	122, 124	Martínez-Banaclocha, N.	163	McInerney, D.	105
Makkar, J.	165, 170	Martínez, E. Pastor	105, 175	McLellan, S.	152
Makris, A.	164	Martínez-Fuerte, R.	169, 172, 177, 183	McMahon, S.	103, 129, 183
Makuch, W.	108, 119, 156, 157, 193	Martínez-García, E.	161	McMurtry, C.M.	50
Malafoglia, V.	103, 174	Martínez, I. Blas	188	McNaughton, P.A.	119
Malange, K.	174	Martínez, L. Cánovas	175	McPhee, M.	66
Malcangio, M.	60, 115	Martínez, S.	173	McPhee, M.E.	96
Maletta, M.	169	Martínez, V.	166	McWilliams, D.F.	126, 143
Malfliet, A.	119, 141, 158, 180	Martínez-Valdes, E.	95	Mecci, M.	191
Maliņa, M.	105	Martinho, J.	92	Medel, J.	127
Mallon, M.	188	Martino, E. De	56	Medenwald, D.	192
Malobabic, M.	169	Martín-Pérez, A.	163	Medic, B.	131, 193
Maman, E.	188	Martins, M.	113	Mędrzycka-Dąbrowska, W.	139
Mamet, J.	194	Martire, R. Lo	104, 107	Medvedeva, L.	94, 137, 173
Mamo, J.	136	Marttinen, M.K.	162	Meeus, M.	46, 81, 119, 126, 128, 139, 141, 152, 158, 173, 180, 185
Manaheji, H.	99	Martuliak, I.	123	Mehta, V.	162, 167, 175, 190
Mañas, A.	166	Masayuki, K.	99	Meier, K.	129, 154
Manchope, M.F.	119	Masdeu, J.	115	Meier, M.L.	74
Mandysova, P.	103, 183	Masood, S.	178	Meiri, D.	155
Manfredini, M.	178	Masters, J.	105	Meissner, B.	149
Manfuku, M.	126	Mastroluca, A.	193	Meissner, W.	46, 47, 109, 137, 149, 164
Mangas-Sanjuan, V.	121	Mata, M.J. Durà	175	Meiu, L.S.	184
Mangnus, T.J.P.	167	Matassa, V.	114	Mejhail, N.	54, 103
Manna, A.	192	Matejkova, I.	103	Melinda, G.	101
Mannerkorpi, K.	121, 177	Mateos, R. Gálvez	189		

## Index of Authors

Mellor, J.	125, 155, 157	Min, Y.G.	118	Moreau, D.	157
Melnic, A.	140	Miramontes, G. Illodo	144	Moreira, D.	119
Melo, M.	138	Miroddi, M.	138	Moreira, D. de Lima	193
Melotti, R.M.	183	Miró, J.	125, 137, 147, 151, 185	Moretti, C.	103
Méndez, A. Romeo	172	Miscuks, A.	169	Morgan, C.	101, 148, 179
Méndez, Ó. Sánchez	112, 194	Mishra, B.	163, 192	Morgan-Trimmer, J.R.	92
Mendilibar, J.M. Delgado	107	Mishra, S.	166	Morgenroth, A.	153
Mendiola, A.	75, 173, 191	Misiołek, H.	180	Morioka, S.	185
Mendonça, D.	127	Mistretta, O.	187	Morlion, B.	53, 60, 87, 95, 102, 108, 112, 131, 141, 157, 182, 191, 193
Menk, J.S.	108	Mistry, P.	74	Morseth, B.	147
Menon, D.	176	Mitoiu, B.	160	Moscardó, L. Dueñas	178, 195
Menon, M.	96	Mitoiu, B.I.	184	Moschetti, G.	156
Menon, R.	156	Mitra, S.P.	187	Moseley, L.	76
Merante, D.	193	Mitro, N.	96	Moss, L.	104
Merino, D. Prieto	196	Mittinty, M.	53	Moss, L.M.	130
Merlin, J.	47, 114	Mitusch, H.	139	Mostofi, A.	190
Merlos, M.	115	Miyamae, M.	94, 120	Mouraux, A.	74, 122, 125, 131, 146, 153, 178, 184, 186
Merola, L.	165	Miyazaki, T.	192	Mousa, S.	94, 156
Mertens, B.	164, 184	Mjåland, S.	175	Mouterde, M.	121
Mertens, M.G.C.A.M.	152	Moeller, P.	97	Mouthon, F.	155
Mesas, A.	127	Moens, M.	107, 130, 160, 180	Mpizios, C.	190
Mesotten, D.	189	Moerland, M.	104	Mrozkova, P.	115
Messlinger, K.	124	Mohamed, D.	94, 156	Muaremi, A.	101
Mészáros, T.	155	Mohammadi, M.	153	Mukai, Y.	176
Metzger, C.	108	Moharić, M.	126	Mukherjee, A.	164
Meulders, A.	61, 68	Möhrlen, F.	124	Mukhopadhyay, D.	164
Meulen, M. van der	137	Mohtadi, A.R.	165	Mulder, P. De	170, 177
Meurs, J. van	123	Molander, P.	136	Müller, B.M.	179
Meyer, C.	74	Moldes, M. Mayo	179	Müller, G.H.H.	108
Meyer-Frießem, C.	139	Moleiro, P.	180	Müller, M.	77, 185
Meyer-Lindenberg, A.	113	Molenaar, B.	91	Müller-Schwefe, G.H.H.	131, 157
Mibu, A.	126	Molina, F.	74, 169	Mulvey, M.	51
Michielsen, J.	144	Molinari, G.	104	Munir, M.K.	194
Mico, J.A.	140	Molin, B.	90	Muñoz, A. Garcia	144
Middendorp, H. van	47	Mollace, V.	174	Muñoz, D. Moreno	194
Midwinter, M.	92	Mologhianu, G.	184	Muñoz, M.	190, 197
Miettinen, T.	99, 105	Monclus, R. Gutierrez	196	Muñoz-Pérez, V.M.	122
Mihaljević, S.	144	Monden, R.	121	Muntane, A.	187
Mihalj, M.	163	Montagna, A.	162	Muntean, A.	126
Miho, E.	91	Montalbán-Moreno, B.	163	Muntean, A.C.	151
Mijato, I.	171	Monteiro, J.	104	Murata, S.	101
Mika, J.	108, 119, 156, 193	Montero, L.M. Vázquez	165	Muriel, J.	106, 108
Mikesell, C.	91	Montero-Marin, J.	147	Murillo, C.	95, 144, 173
Mikhaylova, A.	164	Montes, A.	165	Murillo, N. Fons	110, 188
Miki, K.	55, 132	Monteso-Curto, P.	105	Murphy, G.	118
Mikulić-Gutman, S.	162	Montgomery, C.	102	Murphy, P.	128
Milani, C.	171	Montoro, C.I.	177	Murray, C.	155
Milas, A.	163	Montoto, C.	166	Murtazin, V.	191
Milašinović-Stanojević, L.	162	Montoya, P.	137	Muscoti, C.	103, 174
Milicevic, S.	169	Montoya, U. Sanchez	172	Mustafa, E.	109
Milicic, B.	114	Moon, J.Y.	106, 186	Mut, B. Abejaro	138
Millar, B.	126	Morado, C.	121	Muthulingam, J.A.	50, 145
Millen, N.	182	Moraes, É. Brandão de	154	Muttha, R.	163, 192
Milligan, J.	154	Morag, O.	155	Muzi, C.	194
Milosevic, V.	119, 169	Morais, D.	152		
Minami, T.	119	Morales, D.	106, 108, 185		
Minde, J.	47	Moral, J.A.	116		
Minegishi, Y.	120	Moral, M.V.	138		
Minello, C.	166	Moral, O. Mayoral del	112, 194		
Minet, M. Lanteri	120	Mora, P.	187		
Minghao, Y.	179	Morato-Robert, P.	161		
Mingorance, I. Delgado	194	Mørch, C.D.	104, 126, 183		
Minnucci, C.	174	Mørch, C. Dahl	142		
				<b>N</b>	
				Nagasaka, H.	103
				Nagel, J.	46
				Nagels, M.	189
				Nagi, S.	47

# Index of Authors

Nagy, V.	137
Nahorski, M.	176
Nair, R. das	126
Nakae, A.	94, 120
Nakai, K.	94, 120
Nakanishi, M.	94
Nakatsuka, K.	101
Nakaya, Y.	118
Naleschinski, D.	139
Nalic, B.	171
Namgung, U.	105
Nanda, S.	122
Nandi, R.	166
Nascimento, A.I.	175
Nascimento, L. Alberto Diniz Do	108
Nascimento, L.P.	171
Nasonov, E.	172
Nassar, M.	124
Nastaj, J.	149
Nathanael, V.D.B. Emanuel	186
Natoli, S.	153
Naujokaitis, D.	131
Navalón, F.J. García	194
Navarro, L. Nocete	132
Navas, A. Martinez	107
Navas, A. Martínez	193
Neblett, R.	183
Nebreda, C.	194
Nedeljkovic, U.	120, 184, 190
Neerven, S.G.A. van	122
Neerven, S. van	186
Negrini, S.	177
Negri, P. De	155
Nehrych, T.	50
Nemenov, M.	175
Nencioni, A.	192
Nešković, N.	113
Nestler, N.	100
Neto, A.E. Viera	118
Neto, L.	92
Neukirchen, M.	192
Neumaier, B.	153
Neustadt, K.	104, 127, 184
Neuvonen, M.	157
Neuwersch, S.	132
Neves, P.	92
Nguyen, A.	122
Nguyen, H.D.	192
Nica, A.S.	160
Nica, S.A.	184
Nicholson, M.	125, 182
Nicolardi, V.	125
Niederstrasser, N.G.	149
Nielsen, C.S.	48, 54, 101, 147
Nielsen, H. Tranbjerg	136
Nielsen, L.A.	151
Nielsen, L.S.	163
Nielsen, P.T.	156
Nielsen, S.D.	131
Niemi, M.	157
Niesters, M.	132
Nieto, L.M. Ruiz	191
Nieto, R.	161
Nijhuis, H.	103
Nijs, J.	56, 73, 86, 119, 158, 160, 173, 180, 183
Nikkari, C.	191
Nikolic, S.	190
Nikouee, F.	161
Nilsen, K.B.	87, 146
Nimmaanrat, S.	138
Nimmi, N.P.	187
Ninashvili, N.	179, 192
Ning, X.	116
Nishibori, M.	121, 144
Nishigami, T.	126
Nishijima, C.M.	157
Nissen, M.	169
Nizard, J.	101
Nizzardo, A.	138
Noble, F.	193
Noel, M.	64
Noll, M.	53
Noma, N.	141
Nomura, K.	94
Noort, V. van der	175
Nordbye-Nielsen, K.	143
Norrbrink, C.	193
North, J.	108, 129
North, R.Y.	120
Novato, N.	104
Noyes, J.	101, 180
Nozadze, I.	147
Nunes, A.	103
Núñez, C.	101
Núñez-Sobrino, J.A.	163
Nunzio, A. Marco De	97, 170
Nunzio, A.M. De	170
Nurmi, K.E.	148
Nurmikko, T.	64, 128
Nyamaizi, B.	168
Nyengaard, J.R.	155
Nyholm, D.	155
Nyktari, V.	164
<b>O</b>	
Obberghen, E. van	136
O'Brien, T.	193
Ochandorena-Acha, M.	109
Ochoa, D.	197
O'Connor, N.	191
O'Connor, R.P.	157
Odmalm, S.	102
Odonkor, C.	101
Oga, S.	142
Ogintz, M.	113, 155
O'Grady, B.	181
Ogurčáková, D.	123
O'Hanlon, E.	128
Oh, I.S.	193
Oh, J.Y.	128
Ohkubo, T.	192
Oh, S.J.	181
Ohtori, S.	55, 96
Oh, Y.B.	169, 188
Øiestad, B.E.	95, 97
Oita, A.	176
Oi, Y.	99
Ojala, J.	94, 129
Ojeda, A.	90
Okada-Ogawa, A.	93
Okada, T.	192
Okazaki, K.	121, 192
O'Keane, V.	128
O'Keefe, M.	87
Okita, M.	117, 142, 143, 150
Ok, N.	91
Ök, N.	173
Okumura, M.	101
Okunbor, J.	47, 114
Oláh, E. Pótóné	155
Olapour, A.R.	165
Olausson, H.	47
O'Leary, G.	66
O'Leary, H.	118, 182
Olén, O.	152
Oleo, N. Salord	166
Olesen, A. Estrup	142
Olesen, S.	68
Olesen, S.S.	50, 121, 126, 145
Ol, H.S.	120
Oliveira, A.B.	117, 169
Oliveira, A. Souza Bulle	185
Oliveira, C.	92
Oliveira, J.M.	171
Olkkola, K.T.	157
Olofsen, E.	132
Olofsson, .	47
Olsson, E. Malmros	91
Oltra-Ferrando, A.	163
O'Malley, E.	107
Ombrato, R.	120
Omelchenko, T.	90, 115, 197
Omrani, K.	171
O'Neill, F.	47
O'Neill, S.	195
Oneil, T.	100
Ongering, C.	114
Onishi, R.	192
Onoda, J.	131
Onofreiu, M.	102
Ono, R.	101
Oono, Y.	103, 141
Oostenveld, R.	128
Oosterman, J.	67
Oosterman, J.M.	154
Oosterveer, T.T.M.	115
Oosterwijk, J. Van	53, 104, 126, 170
Oosterwijk, S. Van	126
Opsommer, E.	145, 195
Orduña, J.	194
Orduña-Valls, J.	113
Oriol, A. Libran	194
Orlov, K.	191
Orrego, I. Valdés	169
Ortiz, M.I.	122
Ortler, S.	94

# Index of Authors

Oruk, D. Özen	92
O'Shea, D.	107
Osmançik, P.	181
Ostenfeld, T.	108
Osterbrink, J.	55, 69, 100, 106, 114
O'Sullivan, C.	183
O'Sullivan, J.	73, 167
O'Sullivan, K.	117
Osumi, M.	185
Ottenheim, R.	105
Otto, J.	97
Otto, J.C.	168
Owens, M.	47, 114
Oyake, H.	141
Oyarzun, D. Rubio	196
Oyman, E.B.	160
Oza, V.	192
Özcanli, C.	144
Ozga, D.	139, 171
Ozkan, H. Arslan	100
Ozkaraglu, B.	196
Ozkaraglu, D. Kutlu	170, 196
Oz, R.	144
Öztürk, Ö.	50, 150
Papakonstantinou, P.	109
Papastratigakis, G.	164
Papotto, N.	124
Papriakas, D.	196
Parac, B. Jerkovic	174
Parada, C.A.	141, 144, 157, 160, 174
Paramanandam, V.S.	92
Pardo, N. Baptista	171
Pardo, P.	98
Parfenov, V.	117
Parikh, C.	190
Park, D.	112, 185
Park, H.	195
Park, H.J.	113, 128
Park, J.Y.	105, 128, 153
Park, S.-H.	169, 188
Park, T.S.W.	118
Park, Y.	166
Park, Y.J.	171
Parra, C. Núñez	149
Párraga, C. Ivars	167, 172
Parreño, S. Angulo-Díaz	140
Parrilla, L.	171
Partanen, J.V.	99
Pascual, C.	194
Pascual, F. Valenzuela	169
Pascual-Leone, Á.	185
Pasek, M.	167, 172
Paso, G.A. Reyes del	177
Pas, R.	173
Passavanti, M.B.	138, 141, 162, 164, 165, 174
Pastells-Peiró, R.	177
Pastor, E.	194
Pastor, M.Á.	101
Patel, N.	191
Patel, S.	113, 167, 193
Patrao, I.	155
Paudice, C.	139
Paulin, S.	92
Pauw, R. De	119, 128, 185
Pavarini, S.I.	112
Pavlin, K.	181
Pavlovic, D.	119
Pavón-Rodríguez, J.	114
Pavón, S. Rodríguez	165
Pawlik, K.	156
Payá, J.J. Ballesta	193
Payrits, M.	122, 124
Pazos-González, M.G.	163
Peat, G.M.	95
Pebayle, T.	151, 161
Pechar, M.	191
Pedersen, I.S.	178
Pedersen, L.M.	146
Pedersini, P.	177
Pedretti, S.	96
Pedro, A.M.	148
Pedro, M.	168
Peene, L.	189
Peerdeman, K.	52
Peiro, A.	185, 193
Peiró, A.M.	106, 108
Peixoto, D.	142
Pei, Y.	108, 155, 191
Pejaković, J.	161, 182
Pejler, G.	123
Pellacani, A.	138
Peñacoba, C.	101
Peña, I.	189
Pena, J.J. Amate	144
Penalta, Maria Soledad Garcia	53
Peña-Méndez, E.M.	166
Peñarrubia-Maria, M.T.	147, 153
Peñarrubia, M.T.	109
Pen, C. Le	101
Penen, F.	139
Penninger, J.	137
Peral, J.	144, 173
Perchet, C.	147, 177
Perceze, K.	155
Perea, R. Alonso	196
Pereira, A.	74, 132
Pereira, A.C.	163
Pereira, B.	90, 174, 176
Pereira, E.	190
Pereira, R. Marques	102, 112, 180, 184
Perera, U.A.W.L.	179
Perez, A. Montes	138
Pérez-Aranda, A.	101, 109, 147, 153
Pérez, Á. Reyes	149
Pérez, C.	140, 197
Pérez-Cajaraville, J.	163
Pérez, F.	149
Pérez, J.L. Firvida	163, 194
Perez, R.	175
Peric, S.	121
Peris, Y. Sastre	193
Peroglio, M.	101, 170
Perrein, E.	101
Perrot, S.	47, 78, 101, 102, 120
Perrotta, A.	186
Perrucci, M.G.	186
Perruchoud, C.	189
Persson, E.	106, 129
Persson, M.	195
Persson, U. McCarthy	101
Pertovaara, A.	146, 156
Perugini, D.	138
Pesko, S.	114
Peter, K.	167
Petersen, G.	102, 182
Petersen, J.	153
Petersen, K.	51, 103
Petersen, K.K.	117, 118, 141, 142, 143, 146, 151, 156
Petersen, K.Kjær	136, 142
Peters, M.	52
Peterson, M.	123, 145
Petrini, L.	102, 176
Petroni, K.	171
Petrov, V.	184
Petzke, F.	183
Pezzucchi, M.Z.	168
Pham, M.	152
Philipp, A.A.	194

## P

Pace, M.C.	138, 141, 162, 164, 165, 174
Paemeleire, K.	52
Pageaux, B.	95
Pagnussato, S.	155
Pahlmann, M.	169
Paice, J.	60, 65
Pais, P.L.	75
Pais-Ribeiro, J.	125, 128, 149
Pakalniskis, J.	124
Palacios-Ceña, M.	116, 168
Palardy, E.	166
Paleček, J.	115
Paley, C.	191
Palian, M.	144
Palinkas, V.	127, 137
Palmans, T.	104
Palmi, L. Danielsson	93, 158
Palmisani, S.	150, 191
Palomo, J.	116
Pál, S.	155
Palsson, T.	56, 97, 117
Palsson, T.S.	66, 100, 117, 123, 127, 132, 144, 148
Panadero, A.	193
Panaretou, V.	189, 190
Pandit, A.	156
Pang, D.	150, 191
Paniagua, N.A.	115
Pannwitz, W. von	94
Pantazopoulos, C.	164
Pantelinac, S.	162, 168, 182, 183
Pantic, M.	127
Pant, K.C.	115
Pão-Mole, V.	184
Papa, A.	189
Papaioannou, A.	164

# Index of Authors

Phillips, A. Evans.....	121, 126
Phillips, K.G.....	46
Piardi, L. Nicolai.....	160
Pickering, G.....	53, 63, 68, 90, 92, 102, 120, 121, 163, 174, 176
Pickering, J.....	125, 149
Pidal-Miranda, M.....	105, 130, 150, 178, 181
Piedimonte, A.....	74
Pierre, V.....	108
Piguet, V.....	121
Piirainen, P.....	130
Pilati, L.....	142
Pimentel-Cáceres, P.....	163
Pimentel-Santos, F.....	184
Pincus, T.....	63, 64
Pingree, M.....	112
Pinho, D.....	131
Pinter, E.....	120
Pinto, E.....	147
Pinto, L.G.....	119
Pinto, M.C. Morete.....	181
Piotrowska, A.....	156
Pipam, W.....	132
Piraccini, E.....	187
Pires, C. Tomé.....	125
Piriz, L.M. Pina.....	194
Pirolli, R.....	141
Pisan, M.....	185
Pistillo, L.....	120, 144
Pitance, L.....	183
Plaetse, M. Vander.....	182
Plaghki, L.....	153
Plapler, P. G.....	176
Plesca, S.....	140
Ploutz-Synder, R.....	132
Pluchon, Y.M.....	166, 191
Plunsungket, P.....	138
Pnheiro, P.....	192
Pogatzki-Zahn, E.....	50, 51, 61, 62, 99, 100, 139, 152
Pohóczyk, K.....	93
Poikola, S.....	157
Poisbeau, P.....	53
Polianskis, R.....	189
Polli, A.....	56
Pol, O.....	98, 145, 172
Poloni, E.S.....	121
Pombo-Suarez, M.....	55, 96
Ponsa, C. Monasterio.....	166
Pontén, M.....	102
Poole, H.....	102
Pool, J.....	188
Poór, M.....	155
Pop, A.....	125, 182
Popim, R.....	162
Popiółek-Barczyk, K.....	108, 119
Poply, K.....	190
Popov-Celeketić, J.....	139
Pora, K.....	164
Porcel-Gálvez, A.M.....	90, 151, 179
Porporatti, A.L.....	171
Portillo-Salido, E.....	177
Pot, A.....	131
Potaturko, A.....	180
Pota, V.....	138, 141, 164, 165, 174
Pötzsch, B.....	192
Poulsen, A.H.....	104
Power, E.....	156
Pozo, E. Del.....	190
Pozo-Rosich, P.....	116
Prado, J.....	139
Pragnell, S.....	49, 72
Pramod, S.....	163, 192
Prange, W.....	192
Prangnell, S.....	72
Preuper, H.R. Schiphorst.....	53, 95, 140, 168
Price, C.....	149
Priebe, J.A.....	106, 150, 188
Prival, L.....	193
Pronk, L.....	175
Prostran, M.....	131, 161, 193, 194
Przeklasa-Muszyńska, A.....	108, 129, 180
Przewlocka, B.....	67, 157
Przewlocki, R.....	157
Puche, M. García.....	104
Pud, D.....	155
Puebla, M.....	109
Puentedura, E.....	74, 169
Pulles, S.....	160
Punt, D.....	127
Purcell, C.....	101
Putaal, J.....	94, 129
Putman, K.....	160
Puukka, P.....	96
Puylaert, M.....	189
Pyles, S.....	108
<b>Q</b>	
Quaedflieg, C.....	152
Quetglas, E.....	160
Quinn, K.....	118
Quintanilla, F. Araya.....	169, 172, 196
<b>R</b>	
Racine, M.....	125
Radojčić, M.R.....	56
Radoš, I.....	113
Radovan, L.....	144
Raffaelli, W.....	103
Rahban, M.....	99
Rahman, M.M.....	178
Rahman, M.S.....	99
Rahnama, L.....	110, 162
Rahnama, M.....	110
Rainsford, K.D.....	192
Rainville, P.....	95, 169
Raithatha, B.....	98
Rajasekar, N.....	156
Rajasekar, S.....	165
Rajput, K. Singh.....	179
Ramaswamy, S.....	175
Ramirez-Campos, V.....	116
Ramírez, C. Ramírez.....	117, 169
Ramírez-Maestre, C.....	149, 153, 181
Ramirez, R. Sarrias.....	163
Ramos, S. Pérez.....	166
Ranta, V.-P.....	130
Rao, R.....	186
Rapčan, R.....	123
Rasche, D.....	190
Rasmussen, S.....	118, 143, 146, 163
Raspopovic, E. Dubljanin.....	120, 184, 190
Rasschaert, R.....	170, 177
Raś, W.....	171
Rathleff, M.S.....	141
Rathod, A.....	92
Rauck, R.....	50
Raudenska, J.....	181
Rauhala, P.....	156
Raum, K.....	172
Ravn, S.L.....	195
Raza, A.....	150, 191
Razmjou, H.....	127, 137, 162
Redeker, A.....	130
Redondo, A.....	98
Reeh, P.....	124
Reekum, C. van.....	181
Ree, R. de.....	176
Rees, S.....	74
Reezigt, R.R.....	184
Rehberg-Klug, B.....	126
Rehm, S.....	97, 142
Reichmann, J.....	150
Reimann, F.....	176
Reimer, M.....	97
Reis, C.....	92
Reis, G. de Melo.....	108, 193
Reis, G.M.....	119
Rękas, A.....	160
Reme, S. Endresen.....	90, 136, 152
Reneman, M.....	80
Reneman, M.F.....	53, 95, 103, 140, 168, 184
Rengelshausen, J.....	194
Ren, J.....	121
Renzulli, M.....	114
Reschke, H.....	113
Reuveni, A.M.....	188
Revuelta, M.....	171
Rey, A.....	147
Reyes-Marquez, D.C.....	167
Rey, M.L.P. Del.....	81
Rezzolini, F. Duca.....	187
Rheel, E.....	173
Rhodes, H.R.....	120
Rhodin, A.....	193
Rhyu, K.W.....	193
Ribeiro, A.D. de Castro.....	118
Riccio, D.....	95, 171
Richards, R.....	162
Richner, M.....	155
Richter, H.....	139
Rickardsson, J.....	195
Riddell, R. Pillai.....	85
Ridder, D. de.....	56



# Index of Authors

Sár, C.	155	Semenov, M.	164	Siegers-Bennink, E.	107
Sardo, S.	162, 174	Seminowicz, D.A.	50, 184	Sierra-Martínez, I.	169, 172, 177, 183
Sarhan, T.	164	Sendel, M.	97	Sierra-Martínez, L.	169, 172, 177, 183
Sari, A.N.	149, 157	Senhaji, L.	171	Siffain, C.	180
Sarría-Santamera, A.	148	Şenol, H.	118	Sikandar, S.	62
Sartori, C.R.	160	Senol, S.P.	149, 157	Silberstein, S.	116
Sasaki, R.	117, 142, 143, 150	Sensi, S.	93, 121	Silva, A.	113, 161
Sata, M.	119	Seoane, P.	175	Silva, A.G.	104
Şavkin, R.	173	Seo, J.H.	169, 188	Silva, C. Congo	138, 163, 172
Say, K.G.	112	Seong, B.G.	167	Silva, D. Jeronimo da	108, 193
Sbalzer, N.	192	Serednicki, W.	132	Silva, F.E. Sena e.	118
Scardina, S.	142	Serlachius, E.	152	Silva, J. Da	50
Scartoni, S.	138	Serrano, A.	187	Silva, J. Leite	142
Scerpa, M.	139	Serrano-Ibáñez, E.R.	149, 181	Silva, L. Barros da	154
Schäfer, A.	73, 183	Serrano-Montero, G.M.	163	Silva, P.B.	100
Schäfer, M.	49, 94, 156	Serrano, S.	170	Silva, S.	175
Schaik, R. van	49	Server, A.	127	Silva, V.	104, 140
Schaller, A. Söderlund	93	Sessler, K.	178	Simal, J.A.	171
Scheef, L.	107	Seven, S.	138	Simić-Panić, D.	162, 182
Scheffler, S.	108	Severyn, Y.	168	Simic, S.	163
Schelin, M.	47	Sexton, J.E.	143	Sim, J.H.	186
Schepens, T.	144	Shah, N.	178	Simões, P.	113
Schettini, V.	141	Shah, V.	55	Simona, A.	121
Scheuren, P.S.	93, 127	Shaikh, S.	47	Šimonová, J.	123
Schiessl, C.	150	Shakibaei, M.	156	Šimon, R.	123
Schiff-Keren, B.	155	Shani, A.	139	Simonsen, O.	97, 117, 142, 156
Schilder, A.	60	Shaqura, M.	94, 156	Simons, L.	85, 152, 195
Schmid, S.	74	Sharapova, E.	172	Simonyan, A.	164
Schmidt, K.	55, 165	Sharma, A.	166	Şimşek	118
Schmidtko, A.	153	Sharma, K.	106	Simsek, S.	117
Schmitt, J.	127, 184	Sharma, M.L.	154	Sim, W.S.	153, 167
Schnabel, K.	139, 152	Sharma, M. Lal	65	Sinai, A.	130, 154
Schofield, P.	49, 126, 162	Sharmam, S.	125	Singh, B.	109
Scholes, M.J.	151	Sharma, S.	106	Singh, V.	121, 126
Scholten, M.	169	Sharon, H.	148	Singh, V. Pratap	166
Scholten-Peeters, W.	105	Shavdia, M.	179, 192	Sipilä, R.	98, 181
Scholz, A.	194	Shavdia, N.	192	Siqueira, J.T. Tesseroli de	171
Schommer, M.C.	124, 180	Sheinfeld, R.	155	Sirek, Z.S.	74
Schouppe, S.	53, 170	Shende, D.	161	Sirohiya, P.	165
Schrooten, M.	147, 149	Sher, E.	96	Sirois, P.	79
Schueler, T.	169	Shestakova, N.	140	Siromahov, Z.	187
Schug, S.	62	Shetty, A.	107, 129	Sirucek, L.	50
Schulte, T.L.	96	Shetty, V.	167	Sitges, C.	137
Schulz, E.	96	Shevtsov, A.	91	Sittl, R.	131
Schulze, M.	164	Shevtsova, G.	94, 173	Siugzdaite, R.	185
Schürholz, N.	100	Shih, A.C.C.	123	Sivaslioğlu, A.A.	92
Schüßler, N.	100	Shim, J.W.	166	Şjogren, P.	131
Schwank, A.	185	Shim, W.	186	Škiljić, S.	113
Schweinhardt, P.	74	Shin, J.W.	186	Skodáné-Földes, R.	122
Schwerzmann, K.	182	Shin, K.J.	118	Skogvold, L.	94
Scordo, G.	153	Shinoda, M.	93	Skrejborg, P.	151, 156
Scot-Smith, C.	100	Shiokawa, H.	190	Skupio, U.	157
Scriba, B.	149	Shirokov, V.	180	Skvortsova, A.	47
Sear, C.	180	Shiro, Y.	177	Skyt, I.	52
Secorro, N.	100	Shmuely, S.	116	Slangen, R.	108
Seda, J. Macías	162	Shookhye, R.	123	Slater, H.	96
Seegmiller-Renner, A.	47	Shor, M.	139	Slim, M.	101
Segal, R.	155	Shyu, B.C.	99	Smart, K.	182
Segelcke, D.	100	Sibarov, D.	140	Småstuen, M.C.	112
Segerberg, M.	91	Sicart, R.M. Vidal	172	Smedbråten, K.	97
Sekiguchi, F.	121, 132, 144, 192	Sickout-Arondo, S.	176	Smeets, R.	63, 85, 96, 132, 160, 188
Selcan, Y.	141	Sickout, S.	92	Smeulders, J.	136
Selingardi, P.M. Lorencini	140	Sidery, M.	136	Smith, B.	182



## Index of Authors

Smith, E.	176
Smith, M.T.	118
Smothers, Z.	125
Smuck, M.	55, 101, 178
Snaz-González, N.	169, 172, 177, 183
Soares, C.	152
Soares, M.F.	175
Soer, R.	53, 95
Sola, H. De	116, 140
Solberg, T.	112
Solcà, M.	77
Sölch, C. Martin	163
Solecki, W.	157
Solé, E.	125, 137, 151, 185
Soler-González, G.	163
Soler-González, J.	74, 169
Soler-López, B.	163
Solis-Castro, O.O.	96
Solis, J.F. Paz	190, 191
Solla, D.J.F.	168
Soltanian, M.	161
Soltanzadeh, M.	165
Sommer, C.	152
Somogyi, A.	49
Song, E.M.	128
Song, H.	186
Song, I.	186
Song, M.Y.	128
Sonis, A. Mazic -de	129
Sookhoo, D.	126, 162
Sora, B.	161
Sorella, M.C.	183
Sorel, M.	93
Sørensen, L.B.	90
Sörling, K.	193
Soto, V.	154
Sousa, C.Á. Prata Bezerra de	117
Sousa, M. Mendes	175
Sousa, T.	131
Soussia, I. Ben	193
Souto-Romero, H.	161
Souza, B.D.M.	171
Souza, C. De	117
Souza, C. Pasquini de	97
Souza, R.C.	180
Spaas, C.	144
Spaic, D. Vladic -	163
Spasojević, T.	127, 162, 168, 183
Speijer, B.L.	95
Sperry, J.	47
Spinord, L.	145
Sprecher, E.	104, 127, 130, 154, 160, 164
Srebro, D.	100, 131, 161, 193, 194
Srebro, M.	100
Sriramka, B.	153
Staffe, A.	136
Stalmans, I.	170, 177
Stålnacke, B.M.	106, 129, 136, 145, 154
Stamenkovic, D.	48
Stancak, A.	154
Stankewitz, A.	96
Stannard, C.	77
Starmans, M.P.A.	115
Stauber, A.	100
Steenken, L.	98
Steen-Louws, C.	139
Steere, J.	183
Steere, K.	183
Stefanakis, G.	164
Stefanoska, D.	101, 170
Stegeman, P.	53
Stegmann, C. von	188
Steib, A.	124
Steingrimsdóttir, Ó.A.	101, 147
Stemmler, S.	139
Stenberg, G.	145, 154
Stensballe, A.	146
Stensland, S.	97
Stensson, N.	97, 121
Stepanchenko, K.	94
Stepanenko, Y.	140
Stephan, J.C.	90
Stephan-Otto, C.	101
Steverman, A.	185
Stewart, G.	86
Steyaert, A.	124
Stiles, T.	149
Stockter, S.	153
Stoevelaar, H.	49
Stoimenov, T. Jevtovic	119
Stojanovic, M.	114
Stojicic-Djulich, S.	120
Stojmirovic, D.	114
Stommel, M.	56
Storheim, K.	112
Stouffs, A.	178, 184
Støve, M.P.	132
Strand, B.H.	101, 147
Straube, A.	96
Strauss, I.	139
Strebkova, E.	172
Streitberger, K.	188
Strik, C.	56
Stronks, D.	190
Stronks, D.L.	117, 167, 173
Struyf, F.	152, 185
Stubhaug, A.	90, 101, 136, 147, 149
Stynes, S.	96
Subasinghe, S.	179
Suchan, B.	90
Sugár, D.	108
Suh, J.H.	186
Sukdev, N.	186
Sumathipala, A.	163
Sumnall, H.	102
Sunnergård, L.	102
Suri, P.	116
Susan, C.	167
Susic, G.	119
Suso-Ribera, C.	104, 127
Suzuki, H.	146
Suzuki, T.	187
Svanholm, F.	196
Svensson, C.	121
Svirí, G.	118
Swarnima, V.	142
Sylaj, B.	164
Szánti-Pintér, E.	122
Szentes, N.	93, 155
Szeredi, I.D.	124
Szikra, D.	155
Szikszay, T.	122, 151
Szoke, E.	120, 124
Szőke, É.	118, 122
Szolcsányi, J.	120, 122
Szyndralewicz, C.	194

## T

Tabasam, G.	151
Tabor, A.	78
Tack, A.	172
Tack, J.	128, 193
Tadeusz, H.	148
Tafari, M.	174
Tafelski, S.	94
Taillefer, M.C.	185
Takada, M.	176
Takagi, S.	103, 141
Takahashi, T.	131
Takamoto, M.	174
Takashima, K.	103
Takeda, M.	119
Takemasa, S.	174
Takeshi, K.	197
Takeshita, I.	117, 142, 150
Tambeli, C.H.	141, 160
Tamiz, A.	160
Tampin, B.	73, 96, 169
Tanaka, J.	121
Tanaka, K.	126
Taniguchi, N.	105
Tan, K.	108
Tarakci, D.	170
Taran, I.	136
Tariq, A.	189, 191
Tarkka, I.M.	152
Tarrero, Á. Palao	132
Tashani, O.	151
Tashlykov, V.	155
Taskina, E.	172
Taskin, H.	170
Tavakkoli, M.	190
Tavares-Costa, J.	142
Tawfik, K.	196
Tay, Y.C.	148, 162
Tchaava, K.	179, 192
Teerijoki-Oksa, T.	96
Teernstra, O.P.	108
Teixeira, F.	142
Teixeira, M.J.	168, 179
Teixeira, M. Jacobsen	104, 140
Teixeira-Santos, L.	131
Tejeira-Sánchez, L.	163
Tejera, M. Turmo	193
Tekin, E.	160
Tékus, V.	93, 120
Telci, E. Aslan	117, 144, 170

# Index of Authors

Telcigurugram, E. Aslan.....	91
Tellem, R.....	139
Telmon, F.....	102
Telyshev, K.....	172
Temiz-Resitoglu, M.....	149, 157
Tempero, J.....	98, 120, 139, 175
Temp, J.....	172
Tenti, M.....	103
Teodoro, R.....	184
Teplyi, V.....	197
Terassi, M.....	112
Terehov, N.....	180
Terradas-Monllor, M.....	109
Terrasa, J.L.....	137
Teruel-Martí, V.....	121
Testa, M.....	74, 183
Tetteroo, E.....	105
Tewari, D.....	129
Thakoer, A.....	55
Theresa, W.....	167
Theys, T.....	108
Thinchana, S.....	138
Thinggaard, P.....	109
Thomas, J.....	132
Thomas, L.....	56
Thomas, M.J.....	95
Thomas, S.....	155
Thomassen, I.....	66
Thomé, S.....	148
Thömmes, G.....	194
Thompson, K.....	154
Thompson, S.J.....	95, 169
Thomson, S.....	49, 50, 190
Thoomes, E.....	173
Thorlund, J.B.....	109
Thotta, R.....	165
Tibboel, D.....	49, 63, 126
Tigerholm, J.....	104, 183
Timmerman, L.....	69
Timmers, I.....	128, 152
Tinnirello, A.....	106, 112, 186, 192
Tinoco, R.....	102, 112, 148
Tinsley, J.....	108
Titze, C.....	90
Tiwari, S.....	106
Tiwari, V.K.....	122
Tobimatsu, S.....	105
Todeschini, M.....	106, 186
Todorovic, S. Tomasevic.....	183
Toelen, J.....	136
Toelle, T.....	47, 53, 78, 84, 106, 139, 147, 150, 188
Tolle, T.....	100
Tomašević-Todorović, S.....	161, 162, 168, 172, 182
Tomé-Pires, C.....	125, 137
Tominaga, M.....	145
Tondeur, E.....	139
Tondiy, O.....	175
Tonelli, C.....	171
Tonello, R.....	92
Tonev, D.....	187
Tong, C.....	197
Tongiani, S.....	120, 144
Tong, Y.....	150
Tonkovic, S. Milicevic.....	161
Tonogi, M.....	122
Topuz, R.D.....	124
Torelli, P.....	94, 168
Tormos, J.M.....	185
Törnblom, H.....	68
Tornero, C.....	75, 98, 105, 175, 191, 194
Tornero-Tornero, C.....	113
Toro-López, J.E.....	167
Torrente, A.....	142
Torrentó, C. Pérez.....	187
Torres, P. Togados.....	194
Torres, S.....	125
Torta, D.....	150
Torta, D.M.....	186
Tost, H.....	113
Tóth, K.....	93
Tour, J.....	50, 128
Tous, N. Cordero.....	116, 189
Toussaint, L.....	105
Toyooka, N.....	192
Trajkovic, J. Zidverc.....	93
Travers, M.J.....	117
Treede, R.-D.....	84, 100, 113, 123, 139, 178, 182
Treister, R.....	67, 127, 151, 184
Treleaven, J.....	144, 173
Trifu, S.....	102
Trillo, L.....	165
Triñanes, Y.....	178
Trojan, J.....	181
Tronnier, V.....	190
Trouvin, A.P.....	101
Trpeski, S.....	97
Truini, A.....	60, 64, 80
Trulsson, M.....	47
Truter, I.....	168, 194
Tsagareli, M.....	147
Tsagareli, M.G.....	122
Tsagareli, N.....	122
Tsakiridis, P.....	95, 170, 173
Tsang, H.K.....	131, 157, 179
Tsaria, S.....	179
Tseli, E.....	107
Tsepilov, Y.A.....	116
Tsiklauri, N.....	122, 147
Tsiotou, A.....	164
Tsitskari, M.....	189
Tsuboi, Y.....	101
Tsubota, M.....	121, 132, 144, 176, 192
Tsvetkova, E.....	172
Tsvieli, O.....	155
Tuca-Rodríguez, A.....	163
Tuccillo, R.....	109, 153
Tucker, K.....	92
Tugay, B.U.....	184, 195
Tugay, N.....	184, 195
Tulder, M. van.....	79
Tunctan, B.....	149, 157
Turgeman, N.....	116
Turkovic, T. Magdic.....	140
Turmo, M.....	107, 180
Tuuminen, T.....	148
Tveter, A.T.....	95
Tyagi, V.....	142
Tzanavari, A.....	95, 173

## U

Überall, M.....	108, 112, 131, 157
Überall, M.A.....	131
Üçeyler, N.....	139, 152
Uchida, K.....	101
Uchida, Y.....	174
Uddin, Z.....	148
Uebo, K.....	132
Ueda, K.....	125, 155, 156
Ueta, K.....	187
Ueta, Y.....	146
Uhlín, K.....	106, 129
Ülgen, A.M.....	141
Ullah, R.....	188
Ullrich, E.M.....	181
Ulrich, M.....	156
Ulugol, A.....	124
Unal, A.....	170
Uncrop, L.....	100
Underwood, M.....	91
Unver, F.....	160
Urabe, R.....	94, 120
Urban, J.....	76
Urbanská, N.....	146
Uriarte-Valiente, M.....	161
Usua, G.....	127
Utpadel-Fischler, D.....	106, 150, 188
Utrera, E.....	98

## V

Vaalto, S.....	94, 129
Vadi, P. di.....	168
Vaegter, C.B.....	155
Vægter, H.....	143
Vaegter, H.B.....	46, 105, 143
Vægter, H.B.....	74, 109
Vagena, S.....	181
Vaiopoulos, C.....	164
Vajramani, G.....	191
Valdes, A.....	48
Valdes, Y.....	190
Valencia, N. Adán.....	175
Valente, E.....	170
Valentini, E.....	105
Valenzuela-Pascual, F.....	74, 177
Valesan, L.F.....	171
Välitalo, P.....	130
Vallejo, Y. Rojas.....	165
Valle, M. Della.....	138
Vallespir, B. Pizà.....	138
Vallhonrat, P.....	138
Valls, J. Orduña.....	81
Valverde, A.....	79, 194
Valverde-Navarro, A.A.....	113, 121
Vancaille, T.....	97

# Index of Authors

Vanchakova, N.	140	Villiers-Tuthill, A.	107	Washington, A.	187
Vanhaecht, K.	143	Vincent, A.	105	Wasner, G.	139
Vanhonen, J.	94, 129	Vinković, H.	113	Watson, D.J.G.	119
Vaňhara, P.	166	Virgili-Gomà, J.	169	Weaver, T.W.	108
Vanhaute, O.	124, 180	Visconti, C.	193	Weber, K.	170
Vanhonsebrouck, K.	136, 143	Viti, C.	183	Weidner, C.	124
Vanneste, T.	193	Vitiello, L.	103	Wei, H.	146
Vansant, G.	170, 177	Vivas-Broseta, M.J.	101	Weiser, T.	117, 168
Varano, L.	193	Vixner, L.	104, 107	Weissman-Fogel, I.	116, 130, 154
Varela, N.	79	Vizzolo, L.	153	Weiss, T.	122, 125, 154
Varela, S.	185	Vlaenderen, D. Van	183	Wekken, C. van der	126
Vargas-Schaffer, G.	185	Vlaeyen, J.W.	150	Wells, C.	84, 116, 142
Vargas-Scheffer, G.	180	Vliet, L. van	90	Welsh, F.	108
Vasarri, A.	183	Voets, T.	72	Welt, T.	90, 96
Vasin, J.	127	Vojinovic, J.	119	Wertli, M.	188
Vašková, J.	123	Völker, J.M.	128	Wesley, S.	150, 191
Vaso, A.	91	Vollert, J.	51, 66, 181	Westbrook, S.	61
Vastani, N.	120, 121	Voloschuk, N.	136	West, C.	55, 96
Vatine, J.J.	116, 167	Vooght, P. De	193	Westermann, A.	139
Vázquez-Santiago, S.	184	Vorbrüggen, M.	188	Whipple, M.	105
Vecchio, S. Lo	94, 194	Vos, C.C. de	115	Whitaker, E.	149
Veeger, D.	92	Vos, C. de	128	White, D.	47, 114
Vela, A.	174	Votta, M.	102, 182	Wickremasinghe, R.	163
Vela, J. Guitart	172	Voute, M.	90	Wicksell, R.	152, 195
Vela, J.M.	115	Voutsas, P.	115	Wideman, T.	148
Velasco, J.C. Castillo	107, 193	Vrba, I.	189	Wiech, K.	55
Veldhuijzen, D.	47	Vries, M. de	154	Wiercioch-Kuzianik, K.	125, 149
Vella, C.	136, 182	Vrieze, T. De	139	Wiesel, P.	194
Velpandian, T.	165	Vrsajkov, V.	161	Wiest, R.	185
Vemmer, T.	180	Vuckovic, S.	131, 161, 193, 194	Wiktorowska, L.	157
Vendrell, M.	115	Vujadinovic, S. Tomanovic	120, 184, 190	Wildemeersch, D.	144, 183
Ventura, M.	171	Vujovic, A.	131	Wild, I.	108, 112, 131, 157
Verbunt, J.	91	Vujović, K. Savić	131, 193, 194	Wilford, K.	154
Verbunt, J.A.M.C.F.	47	Vukasinovic, N.	169	Wilgen, C.P. van	183
Verburg, K.	55, 96	Vukojevic, Z.	121	Wilgen, P. van	81
Verdu, E.	177	Vukovic, M.	97	Wilhelm, S.	47, 74, 95, 141
Verdú, E.	140, 146, 166, 177	Vulfsons, S.	113, 155	Willaert, W.	119, 158
Verges, M.T. Santeularia	138	Vullo, A.	191	Willemen, H.	90
Verhagen, A.	105	Vuust, P.	99	Willems, A.	150
Verheyen, A.	182	Vysotski, L.	155	Willems, C.	91
Verrills, P.	173			Williams, A.	67, 181, 191
Versteeg, S.	55, 90, 139			Williams, F.M.	86
Vetter, I.	124			Williams, F.M.K.	99, 116
Vicedo, S.	147			Williams, H.	107
Vicent, J.A. Bataller	104			Williams, J.	166, 175
Vicković, S.	182			Williams, L.	145
Victory, R.	128			Williams, N.	125, 157
Vidal, A. Jover	116, 189			Williamson, E.	74
Vidal-Seoane, M.	161			Will, O.	150
Vidmar, G.	126			Wilsdon, T.	47
Vidorreta, M.	91			Wilsgaard, T.	147
Vieira, C.	175			Wilson, A.D.	109
Vieira, W.F.	141, 157			Wilson, C.	179
Vieito, S. Picallo	144			Wilson, G.	190
Viisanen, H.	156			Wilson, M.	192
Viktrup, L.	55, 96, 125, 157, 192			Windt, D. van der	96
Vilalta, O. Alemany	138			Winkley, K.	119
Vilar-Rodríguez, M.Á.	163			Winsvold, B.	146
Villafañe, J.H.	177			Winterbourne, I.	181
Villa, M.	191			Withers, E.	74, 91
Villa, M. Galve	77, 123, 127			Witjes, B.	128
Villanueva, L.	72, 79			Witkovsky, V.	96
Ville, V.	130			Witney, A.	191

## W

Wager, T.	61
Waghmarae, R.	108
Wagner, S.	193
Wählén, K.	177
Wahman, K.	193
Wallace, M.	107
Wal, P.S. van der	152
Walravens, H.W.A.	152
Walsh, D.A.	126, 143
Walsh, G.	167
Walsh, J.	102
Walsh, N.	78
Walters, E.	170
Walther, S.	185
Wand, B.M.	117
Wang, K.	95, 103, 168
Wang, Q.	190
Ward, K.	150
Ward, P.J.	187
Ward, S.	150

## Index of Authors

Wittink, H.	46, 188
Wittkopf, P.G.	109, 191
Wodarski, P.	151
Wodehouse, T.	175
Wolff, A.P.	53, 95
Wolf, I.	113
Woller, S.	160
Wolthuis, A.	164
Won, Y.H.	169, 188
Woo, A.	194
Wood, C.	136
Woodhams, S.G.	119
Woodhouse, A.	99, 177
Wood, J.N.	143
Woods, G.	176
Woon, R.	50
Wordliczek, J.	129, 132, 180
Woroń, J.	132, 193
Woznowski-Vu, A.	148
Wright, C.	160
Wright, R.	188
Wübbenhorst-Holl, K.	183
Wüthrich, F.	185
Wu, W.K.K.	99, 178
Wynants, J.	124
Wynne-Jones, G.	96
Wynn, R.	158
<b>X</b>	
Xenidou-Dervou, I.	149
Xiaodong, L.	178
Xie, S.	194
Xie, Y.	56
<b>Y</b>	
Yadav, D.	121, 126
Yagci, N.	117, 170
Yağci, N.	118, 195
Yagüe, A. Sanz	194
Yalcin, I.	155
Yamabe, T.	55
Yamada, S.	196
Yamagata, A.	176
Yamaguchi, K.	121
Yamaura, K.	190
Yamazaki, R.	196
Yanagida, T.	94, 120
Yanez, M.J. Muñoz	172, 196
Yang, J.	146
Yang, R.	116
Yano, K.	119
Yarar, F.	144, 170
Yarnitsky, D.	69, 104, 127, 130, 138, 139, 154, 164
Yarovinsky, N.	160
Yaşar, P.	160
Yashar, T.	155
Yearwood, T.	129, 155
Yehia, A.	110
Yellin, B.	155
Yeng, L. T.	140
Yeng, L.T.	168, 179
Yenişehir, S.	92, 160
Yeomans, D.C.	194
Yeowell, G.	169
Yildirim, M.	100
Yilmaz, K.	184, 195
Yoder, R.	107
Yoneda, S.	131
Yonekawa, N.S.	168
Yono, S.	126
Yoon, M.H.	181
Yoon, S.H.	186
Yoo, Y.	106, 186
Yordanov, N.	93
Yoshida, K.	197
Yoshida, S.	192
Yoshikawa, M.	131
Yoshioka, Y.	94
You, H.J.	146
Young, A.	143
Yu, W.	130
Zhou, J.	139
Ziagos, D.	104
Zieglgänsberger, W.	181
Zielke, J.	145
Žiogaitė, S.	131
Zivkovic, M.	169
Zlatkin, I.	100
Zlatopolskiy, B.	153
Zlobina, N.	176
Zohar, Y.	118
Zora, K.	112
Zou, Y.	99, 178
Zuidema, S.	91, 114
Zumarraga, J.P.	176
Zundert, J. Van	79, 139, 153, 189, 193
Zusman, T.	190
Zwart, J.A.	112, 146
Zygmunt, P.	145
<b>Z</b>	
Zaalberg, P. Brocades	107
Zabarylo, U.	172
Zachariah, C.	187
Zachow, S.	172
Zadoroznijs, S.	169
Zafra, O. Salmerón	138, 163
Zafra, V.	90
Zagorulko, O.	94, 137, 173
Zaguirre, M. Hinojosa	175
Zahn, P.K.	139
Zajączkowska, R.	129, 180
Zaletskyi, B.	91, 136, 144
Zama, M.	122
Zambrano, C. Beato	194
Zamorano, A.	99
Zamorano-Andres, A.M.	107
Zamponi, G.	117
Zander, V.	137
Zanelatto, F.B.	141
Zaragozá, I.	104, 127
Zarcelo, M. Torrijos	132
Zarebinski, C.	171
Zaringhalam, J.	99
Zaslansky, R.	75, 149
Zavackiene, A.	164
Zavala, E.	90
Zavridis, P.	189, 190
Zazzo, F. Di	138
Zekavati, R.	115
Zerrudo, A.	114
Zetterberg, H.	193
Zetterberg, L.	155
Zetterman, T.A.	99
Zetterqvist, V.	195
Zeugolis, D.	156
Zhang, S.	61
Zhang, W.	101
Zhang, Y.	50



# Recognition, Acknowledgements and Industry Support

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# Grünenthal at EFIC 2019



## Rethink Pain. Feel Life.

At Grünenthal, we exist to develop treatments and solutions for people living with pain. We are determined to transform treatments through our agile approach and partnerships, and welcome you to connect with us and participate in a range of interactive activities with a focus on:

- The patient experience
- Optimising patient outcomes
- The future of pain research

**Visit booth #17** to learn more about our commitment to reduce the burden of pain.



### Satellite symposium 1

From theory to real world evidence: What can we learn to improve the treatment in severe chronic pain? A new view on tapentadol in severe chronic pain

**Thursday 05 September 2019, 12:15–13:45,  
Auditorium 1A**

**Prof. Ralf Baron, Prof. Stephan Schug,  
Prof. Michael Überall, Prof. Flaminia Coluzzi**



### Satellite symposium 2

Beneath the skin: Advances in peripheral neuropathic pain management

**Friday 06 September 2019, 12:15–13:45,  
Auditorium 1A**

**Prof. Burkhard Gustorff, Prof. Praveen Anand,  
Prof. Nathaniel Katz, Prof. Serge Perrot**



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Zieglerstraße 6  
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Germany

Website: [www.grunenthal.com](http://www.grunenthal.com)

Grünenthal is a global leader in pain management and related diseases. As a science-based, privately-owned pharmaceutical company, we have a long track record of bringing innovative treatments and state-of-the-art technologies to patients worldwide. Our purpose is to change lives for the better - and innovation is our passion. We are focussing all of our activities and efforts on working towards our vision of a world free of pain.

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Website: [www.kyowakirin.com](http://www.kyowakirin.com)

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33 Kingsway  
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Website: [www.shionogi.eu](http://www.shionogi.eu)

From our beginnings nearly 140 years ago in Osaka, Japan, SHIONOGI & Co. Ltd. has built a strong heritage in research-based medicine, matched by world-class market access and patient insight capabilities. SHIONOGI Europe was launched in 2012 and is committed to applying our patient-first approach in everything we do across the region.

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Neue Mainzer Strasse 46-50  
60311 Frankfurt am Main  
Germany

Website: [www.spectrumtherapeutics.com](http://www.spectrumtherapeutics.com)

Spectrum Therapeutics, the medical division of Canopy Growth Corporation, is dedicated to educating healthcare practitioners, furthering the public's understanding of medical cannabis and cutting edge research and development. Spectrum Therapeutics operates in Canada, Australia, South America, Africa and across Europe. Its products are available in a range of potencies and formats categorized according to THC and CBD levels through a straightforward colour-coded Spectrum Framework.

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Website: [www.gsk.com](http://www.gsk.com)

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## Industry Supported Sessions

### THURSDAY, 5 SEPTEMBER

Time	Company	Location	Session
10:00 - 10:20	 <b>almirall</b> feel the science	Open Auditorium	ENDOCANNABINOID SIGNALLING AND ITS INVOLVEMENT IN PAIN
12:15 - 13:45	 <b>GRÜNENTHAL</b>	Auditorium 1A	FROM THEORY TO REAL WORLD EVIDENCE: WHAT CAN WE LEARN TO IMPROVE THE TREATMENT IN SEVERE CHRONIC PAIN? A NEW VIEW ON TAPENTADOL IN SEVERE CHRONIC PAIN
12:15 - 13:45	 <b>SHIONOGI</b>	Hall 1B	NOT 'JUST CONSTIPATION': ADDRESSING OPIOIDS' NEGLECTED SIDE EFFECT
12:15 - 13:45	 <b>Medscape</b> <b>Pfizer</b>   <b>Lilly</b>	Auditorium 3A	PREPARING FOR THE ERA OF TARGETED THERAPY IN CHRONIC LOW BACK PAIN: A PATIENT-CENTRIC APPROACH
12:15 - 13:45	 <b>teva</b>	Room 4C	COMMUNICATING PAIN SCIENCE, WITH PATIENTS AND FOR PATIENTS
18:15 - 19:45		Room 3F	THE USE OF TOPICAL AND SYSTEMIC ANALGESICS TO TREAT BODY PAIN
18:15 - 19:45	 <b>Pfizer</b>   <b>Lilly</b> <b>EFIC</b> <b>Pain Alliance Europe</b>	Room 2H	FEELING THE PAIN - PERSPECTIVES ON CHRONIC PAIN FROM PATIENTS, CLINICIANS AND EMPLOYERS
18:15 - 19:45	 <b>P&amp;G Health</b>	Room 4F	DECODING MIXED PAIN - A BLUEPRINT TO UNDERSTAND A POORLY DEFINED CONDITION

### FRIDAY, 6 SEPTEMBER

Time	Company	Location	Session
10:00 - 10:20	 <b>almirall</b> feel the science	Open Auditorium	ENDOCANNABINOID SIGNALLING AND ITS INVOLVEMENT IN PAIN
12:15 - 13:45	 <b>GRÜNENTHAL</b>	Auditorium 1A	BENEATH THE SKIN: ADVANCES IN PERIPHERAL NEUROPATHIC PAIN MANAGEMENT
12:15 - 13:45	 <b>Spectrum Therapeutics™</b> A CANOPY GROWTH COMPANY	Hall 1B	THE EVOLVING ROLE THAT MEDICAL CANNABIS PLAYS IN PAIN MANAGEMENT: THE SPECIALIST'S PERSPECTIVE
12:15 - 13:45	 <b>SYOWA KIRIN</b>	Auditorium 3A	PAIN RELIEF, OPIOIDS AND CONSTIPATION: UNDERSTANDING A SIGNIFICANT AND COMMON PROBLEM
12:15 - 13:45	 <b>gsk</b> GlaxoSmithKline	Room 3F	TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION (TENS): TOUCHPOINTS TO INSPIRE PATIENT-DIRECTED CONTROL IN CHRONIC PAIN

# Industry Supported Sessions

## THURSDAY, 5 SEPTEMBER

10:00 - 10:20

Open Auditorium

Open Auditorium organised by

**ENDOCANNABINOID SIGNALLING AND ITS INVOLVEMENT IN PAIN**

Mauro Maccarrone (*Italy*)



12:15 - 13:45

Auditorium 1A

Symposium is organised  
and supported by

**FROM THEORY TO REAL WORLD EVIDENCE: WHAT CAN WE LEARN TO IMPROVE THE TREATMENT IN SEVERE CHRONIC PAIN? A NEW VIEW ON TAPENTADOL IN SEVERE CHRONIC PAIN**

Chair: Ralf Baron (*Germany*)



12:15 - 12:20 **CHAIR'S WELCOME**  
Ralf Baron (*Germany*)

12:20 - 12:35 **DOES THE MECHANISM OF ACTION MATTER IN TREATMENT OF PAIN?**  
Stephan Schug (*Australia*)

12:35 - 12:50 **FROM MECHANISM OF ACTION TO CLINICAL BENEFIT: ATYPICAL OPIOID = TYPICAL OUTCOMES?**  
Ralf Baron (*Germany*)

12:50 - 13:10 **TREATING PAIN WITH THE RIGHT ARMAMENTARIUM EARLY: DOES IT MAKE A DIFFERENCE?**  
Michael Überall (*Germany*)

13:10 - 13:35 **TRANSLATING TRIAL AND RWE LEARNINGS TO CLINICAL PRACTICE: HOW TO EFFECTIVELY UTILIZE TAPENTADOL**  
Flaminia Coluzzi (*Italy*)

13:35 - 13:45 **Q&A AND CLOSE**  
Ralf Baron (*Germany*)

# Industry Supported Sessions

## THURSDAY, 5 SEPTEMBER

12:15 - 13:45

Hall 1B

Symposium is organised and supported by

### NOT 'JUST CONSTIPATION': ADDRESSING OPIOIDS' NEGLECTED SIDE EFFECT

Chair: Asbjørn Drewes (Denmark)



- 12:15 - 12:20 **WELCOME INTRODUCTION**  
Asbjørn Drewes (Denmark)
- 12:20 - 12:30 **WHAT WE KNOW ABOUT OIC**  
Asbjørn Drewes (Denmark)
- 12:30 - 12:45 **PERSPECTIVES ON OIC FROM THE PATIENT AND PHYSICIAN**  
Mike Bennett (United Kingdom)
- 12:45 - 13:05 **EUROPEAN TREATMENT GUIDELINES: WHAT'S NEW?**  
Bart Morlion (Belgium)
- 13:05 - 13:25 **THE ROLE OF PAMORAS IN OIC**  
Tony O'Brien (Ireland)
- 13:25 - 13:40 **Q&A SESSION**  
All faculty
- 13:40 - 13:45 **CLOSE**  
Asbjørn Drewes (Denmark)

12:15 - 13:45

Auditorium 3A

### PREPARING FOR THE ERA OF TARGETED THERAPY IN CHRONIC LOW BACK PAIN: A PATIENT-CENTRIC APPROACH

Chair: Thomas R. Toelle (Germany)

Symposium is organised by Medscape Education Global and Supported by an independent educational sponsorship from Pfizer, Inc and Eli Lilly Company.

- 12:15 - 12:45 **TREATMENT STRATEGIES FOR CHRONIC LOW BACK PAIN - A CASE JOURNEY**  
Thomas R. Toelle (Germany)
- 12:45 - 13:00 **PANEL DISCUSSION - CURRENT AND EMERGING THERAPIES FOR CHRONIC LOW BACK PAIN**  
Thomas R. Toelle (Germany), Elon Eisenberg (Israel), Per Hansson (Sweden), Serge Perrot (France)
- 13:00 - 13:45 **CLOSING SESSION - KEY MESSAGES AND AUDIENCE Q&A**  
Thomas R. Toelle (Germany), Elon Eisenberg (Israel), Per Hansson (Sweden), Serge Perrot (France)

Medscape



# Industry Supported Sessions

## THURSDAY, 5 SEPTEMBER

12:15 - 13:45

Room 4C

### COMMUNICATING PAIN SCIENCE, WITH PATIENTS AND FOR PATIENTS

Chair: Morten Hoegh (Denmark)

- 12:15 - 12:20 **WELCOME AND INTRODUCTION**  
Morten Hoegh (Denmark)
- 12:20 - 12:30 **CO-PRODUCTION: THE UNIQUE VALUE OF EDUCATIONAL MATERIAL FOR PEOPLE WITH CHRONIC PAIN DEVELOPED JOINTLY BY HEALTHCARE PROFESSIONALS AND PATIENT REPRESENTATIVES**  
Neil Betteridge (United Kingdom)
- 12:30 - 12:40 **PATIENTS AND HEALTHCARE PROFESSIONAL COOPERATION TO FOSTER PATIENT EDUCATION - A NATIONAL PERSPECTIVE**  
Marja Kinnunen (Finland)
- 12:50 - 13:25 **Q&A SESSION: TAKING STOCK OF EVIDENCE TO IMPROVE COOPERATION**  
All
- 13:25 - 13:30 **CONCLUSIONS**

The educational workshop is provided through the kind support of TEVA



18:15 - 19:45

Room 3F

### THE USE OF TOPICAL AND SYSTEMIC ANALGESICS TO TREAT BODY PAIN

Chair: Sarah Jarvis (United Kingdom)

- 18:15 - 18:20 **WELCOME AND INTRODUCTIONS**  
Sarah Jarvis (United Kingdom)
- 18:20 - 18:40 **IMPACT OF MUSCULOSKELETAL PAIN AND THE ROLE OF EARLY SELF-CARE IN PREVENTING ESCALATION TO CHRONICITY**  
Sarah Jarvis (United Kingdom)
- 18:40 - 19:05 **PRODUCT CHOICES FOR THE TREATMENT OF MUSCULOSKELETAL PAIN**  
Angel Lanas (Spain)
- 19:05 - 19:30 **THE ROLE OF PAIN MANAGEMENT AND LIFESTYLE CHANGES IN MANAGING MUSCULOSKELETAL PAIN**  
Hans-Georg Predel (Germany)
- 19:30 - 19:45 **Q&A**  
Sarah Jarvis (United Kingdom)  
Morten Hoegh (Denmark)

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# Industry Supported Sessions

## THURSDAY, 5 SEPTEMBER

18:15 - 19:45

Room 2H

### FEELING THE PAIN - PERSPECTIVES ON CHRONIC PAIN FROM PATIENTS, CLINICIANS AND EMPLOYERS

- 18:15 - 18:30 **CAN WE TAKE THE PAIN OUT OF CHRONIC PAIN MANAGEMENT?**  
Bart Morlion (Belgium)
- 18:30 - 18:45 **FEELING THE PAIN IN EVERYDAY LIFE**  
Brona Fullen (Ireland)
- 18:45 - 19:00 **REDUCING THE STRAIN - SUPPORTING PEOPLE TO REMAIN PRODUCTIVE AT WORK**  
David Roomes (United Kingdom)
- 19:00 - 19:15 **EXPLORING THE PAIN IN CLINICAL MANAGEMENT AND PATIENT PRIORITIES**  
Serge Perrot (France)
- 19:15 - 19:40 **PANEL DISCUSSION - HOW CAN WE WORK TOGETHER FOR MUTUAL GAINS IN CHRONIC PAIN MANAGEMENT?**  
Faculty facilitated by Brona Fullen (Ireland)
- 19:40 - 19:45 **CLOSING MESSAGES**  
Serge Perrot (France)

*This symposium is funded and organized by Pfizer Inc & Eli Lilly and Company in partnership with European Pain Federation EFIC® and Pain Alliance Europe*



18:15 - 19:45

Room 4F

### DECODING MIXED PAIN - A BLUEPRINT TO UNDERSTAND A POORLY DEFINED CONDITION

- Chair: Rainer Freynhagen (Germany)
- 18:15 - 18:20 **OPENING AND WELCOME**  
Rainer Freynhagen (Germany)
  - 18:20 - 18:45 **WHAT THE HECK IS MIXED PAIN?**  
Rainer Freynhagen (Germany)
  - 18:45 - 19:15 **DISTINGUISHING MIXED PAIN IN CLINICAL PRACTICE IN THE ABSENCE OF SPECIFIC TESTS**  
Stephan A Schug (Australia)
  - 19:15 - 19:45 **MIXED PAIN TREATMENT TODAY - PREDICTABLY UNPREDICTABLE?**  
Bart Morlion (Belgium)

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# Industry Supported Sessions

**FRIDAY, 6 SEPTEMBER**

**10:00 - 10:20**

**Open Auditorium**

**ENDOCANNABINOID SIGNALLING AND ITS INVOLVEMENT IN PAIN**

Mauro Maccarrone (*Italy*)

Open Forum organised by



**12:15 - 13:45**

**Auditorium 1A**

**BENEATH THE SKIN: ADVANCES IN PERIPHERAL NEUROPATHIC PAIN MANAGEMENT**

Chair: Burkhard Gustorff (*Austria*)

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12:15 - 12:20

**CHAIR'S WELCOME**

Burkhard Gustorff (*Austria*)

12:20 - 12:45

**PERSISTENT PERIPHERAL NEUROPATHIC PAIN RELIEF FOLLOWING CAPSAICIN 179 MG PATCH TREATMENT: LOOKING UNDER THE SURFACE**

Praveen Anand (*United Kingdom*)

12:45 - 13:10

**THE PACE STUDY: NEW INSIGHTS - NEW HYPOTHESIS**

Nathaniel Katz (*USA*)

13:10 - 13:35

**PERIPHERAL NEUROPATHIC PAIN: WHAT MATTERS BEYOND PAIN INTENSITY?**

Serge Perrot (*France*)

13:35 - 13:45

**Q&A AND CLOSE**

Burkhard Gustorff (*Austria*)



# Industry Supported Sessions

## FRIDAY, 6 SEPTEMBER

12:15 - 13:45

Hall 1B

**PROPOSED TITLES: THE EVOLVING ROLE THAT MEDICAL CANNABIS PLAYS IN PAIN MANAGEMENT: THE SPECIALIST'S PERSPECTIVE**

Chair: Paola Cubillos (*Colombia*)

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and supported by*



12:15 - 12:38 **THE LATEST UPDATES ON CANNABINOIDS, THE ENDOCANNABINOID SYSTEM BIOLOGY, & THE PAIN PATHWAY:**  
- THC, CBD AND RELATED PRODUCTS  
- THE ENTOURAGE EFFECT  
- THE ENDOCANNABINOID SYSTEM AND ITS RELATION TO PAIN

Konrad F. Cimander (*Germany*)

12:38 - 13:00 **A REVIEW OF THE EFFICACY AND SAFETY OF MEDICAL CANNABIS IN PAIN:**  
- POTENTIAL INDICATIONS  
- GOOD CLINICAL PRACTICES  
- PATIENT EDUCATION

Paola Cubillos (*Colombia*)

13:00 - 13:15 **GUIDELINES AND RESEARCH: WHERE WE ARE TODAY AND WHERE ARE WE GOING**  
- A REVIEW OF GUIDELINES FROM DIFFERENT JURISDICTIONS  
- EVOLVING RESEARCH IN SUPPORT OF EVIDENCE BASED MEDICINE  
- REAL-WORLD DATA AS AN IMPORTANT COMPONENT OF CANNABIS CLINICAL RESEARCH

Arun Bhaskar (*United Kingdom*)

13:15 - 13:45 **Q&A SESSION**

# Industry Supported Sessions

## FRIDAY, 6 SEPTEMBER

Symposium is organised  
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12:15 - 13:45

Auditorium 3A

### **PAIN RELIEF, OPIOIDS AND CONSTIPATION: UNDERSTANDING A SIGNIFICANT AND COMMON PROBLEM**

Chair: Bart Morlion (*Belgium*)

**KYOWA KIRIN**

12:15 - 12:25 **INTRODUCTION: RESPONSIBLE USE OF OPIOIDS FOR PAIN MANAGEMENT**

Bart Morlion (*Belgium*)

12:25 - 12:45 **THE IMPORTANCE OF A HOLISTIC APPROACH FOR OPTIMAL PAIN MANAGEMENT IN SUPPORTIVE CARE**

César Margarit (*Spain*)

12:45 - 13:05 **INSIGHTS FROM BREAKTHROUGH CANCER PAIN AND OPIOID-INDUCED CONSTIPATION IN CLINICAL PRACTICE**

Andrew Davies (*United Kingdom*)

13:05 - 13:25 **BREAKTHROUGH CANCER PAIN AND OPIOID-INDUCED CONSTIPATION IN THE REAL WORLD: INTERACTIVE CLINICAL CASES**

Mario di Palma (*France*)

13:25 - 13:40 **Q&A**

All faculty

13:40 - 13:45 **SUMMARY AND CLOSE**

Bart Morlion (*Belgium*)

12:15 - 13:45

Room 3F

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### **TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION (TENS): TOUCHPOINTS TO INSPIRE PATIENT-DIRECTED CONTROL IN CHRONIC PAIN**

Chair: Rolf-Detlef Treede (*Germany*)

**gsk** GlaxoSmithKline

12:15 - 12:20 **WELCOME AND INTRODUCTION**

Rolf-Detlef Treede (*Germany*)

12:20 - 12:45 **TENS IN CHRONIC PAIN: A FRESH LOOK AT THE EVIDENCE**

Mark Johnson (*United Kingdom*)

12:45 - 13:00 **TENS: VISUALISING THE MECHANISM OF ACTION FOR RELIEF OF CHRONIC PAIN**

Dawn Chesher (*GlaxoSmithKline, United Kingdom*)

13:00 - 13:20 **EVOLVING TENS: HOW ARE NOVEL INNOVATIONS IMPROVING PATIENT CARE?**

Christian Maihöfner (*Germany*)

13:20 - 13:40 **TREATMENTS FOR CHRONIC PAIN: WHAT DO PATIENTS WANT? (DISCUSSION)**

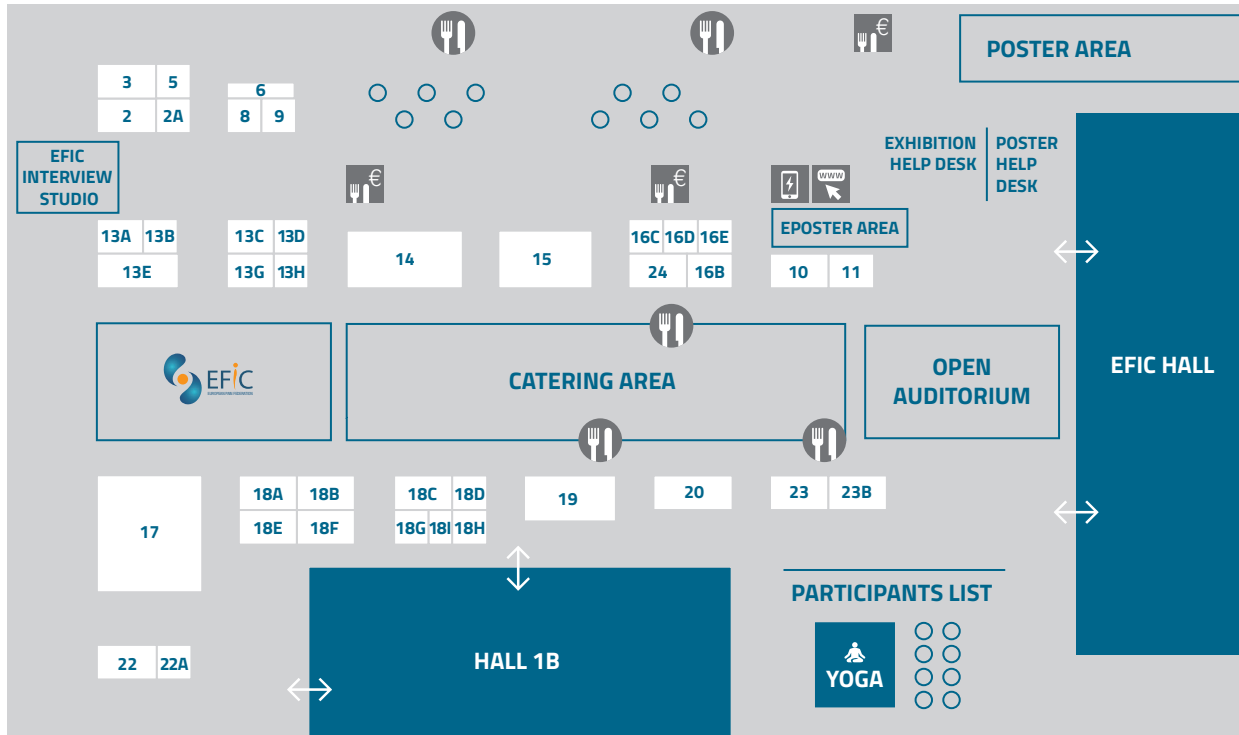
All faculty

13:40 - 13:45 **SUMMARY AND CLOSE**

Rolf-Detlef Treede (*Germany*)

# Exhibitors

# Exhibition Map



## List of Exhibitors

EXHIBITOR	BOOTH Nr
Abbott	11
ALFAMED SRL	18d
Algotec Research & Development Limited	9
Almirall SA	13e
Avanos Medical	23
BIOSEB	23b
Bioventus	16a
Boston Scientific	15
Diros Technology Inc.	2
Equip Medikey BV	13a
European Headache Federation	8
European Pain Federation EFIC®	1
European Society of Anaesthesiology	5
Grünenthal Group	17
ICD-11	3
International Association for the Study of Pain (IASP)	18i
IBSA Institut Biochimique SA	20
IMI-PainCare Project	2a
Kyowa Kirin	19
Medoc Ltd	16b
Nevro	13d
Pain Alliance Europe	13c
PainCast	18g
Pfizer and Lilly	18a
Pfizer and Lilly	14
QST.Lab	13h
Saluda Medical	22a
SHIONOGI	18c
Sociedad Española Del Dolor (SED), Spanish Society of Pain	16e
Spectra Medical Devices, Inc.	18h
Spectrum Therapeutics	10
Spine Intervention Society	16c
Tilray	18b
Versus Arthritis	16d
Wisepress	6
World Institute of Pain	13b
Zero Gravity Skin	22

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3–5 July 2020 | Berlin | Germany

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## Exhibitor Profiles

### Booth No 11

#### ABBOTT

Da Vincilaan 11 Box F1  
1935 Zaventem  
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### Booth No 18d

#### ALFAMED SRL

Via Martiri di Cefalonia 28  
63822 Porto San Giorgio (FM)  
Italy



Email: [info@alfamedsrl.com](mailto:info@alfamedsrl.com)  
Website: [www.alfamedsrl.com](http://www.alfamedsrl.com)

AlfaMed is an Italian company that works in the biomedical field since 1995 as manufacturer, importer, exporter and distributor of medical devices for management Orthopaedics and neurosurgery spine, neuroradiology, anaesthesia and pain.

### Booth No 9

#### ALGOTEC RESEARCH & DEVELOPMENT LIMITED

John de Mierre House  
RH16 1UA Haywards Heath  
United Kingdom



Email: [susan@algotec-ltd.com](mailto:susan@algotec-ltd.com)  
Website: [www.algotec-ltd.com](http://www.algotec-ltd.com)

Algotec R&D manufactures medical devices, with 18 years experience in neuromodulation. Our core focus is less invasive, safe and reliable, neurostimulation for the symptomatic relief and management of chronic peripheral neuropathic pain.

PENS therapy aims to improve the quality of patient care and increase accessibility to the benefits of neuromodulation.

### Booth No 13e

#### ALMIRALL SA

Ronda General Mitre 151  
Barcelona `08022  
Spain



Email: [fernando.fanlo@almirall.com](mailto:fernando.fanlo@almirall.com)  
Website: [www.almirall.com](http://www.almirall.com)

Almirall is a leading skin-health focused global pharmaceutical company that partners with healthcare professionals, applying Science to provide medical solutions to patients & future generations. Our efforts are focused on fighting against skin health diseases and helping people feel and look their best. We support healthcare professionals in its continuous improvement, bringing our innovative solutions where they are needed. For more information, please visit [www.almirall.com](http://www.almirall.com)

## Exhibitor Profiles

### Booth No 23

#### AVANOS MEDICAL

Leonardo da Vincilaan 1  
Zaventem 1930  
Belgium

# AVANOS

Email: [katja.skoniecki@avanos.com](mailto:katja.skoniecki@avanos.com)

Website: [www.avanos.co.uk](http://www.avanos.co.uk)

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### Booth No 23b

#### BIOSEB

BP 32025  
VITROLLES 13845  
France

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Website: [www.bioseb.com](http://www.bioseb.com)

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- Neurodegenerative diseases and Locomotor troubles
- Anxiety and Depression
- Circadian cycles and activity monitoring

### Booth No 16a

#### BIOVENTUS

Taurusavenue 31  
2132LS Hoofddorp  
Netherlands



# bioventus®

*Active Healing Through Orthobiologics*

Email: [madlen.goldbeck@bioventusglobal.com](mailto:madlen.goldbeck@bioventusglobal.com)

Website: [www.bioventus.com](http://www.bioventus.com)

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We bring to market products which address a growing need for clinically effective, cost efficient, minimally invasive treatments, that engage and enhance the body's natural healing processes, including:

DUROLANE®

DUROLANE is indicated for the symptomatic treatment of mild to moderate knee or hip osteoarthritis. In addition, DUROLANE has been approved in the EU for the symptomatic treatment associated with mild to moderate osteoarthritis pain in the ankle, shoulder, elbow, wrist, fingers, and toes.

EXOGEN®

Using safe, painless ultrasound waves, the EXOGEN Ultrasound Bone Healing System stimulates the body's natural healing process, helping fractured bones mend.

### Booth No 15

#### BOSTON SCIENTIFIC

Boston Scientific 2 rue René Caudron  
78960 Voisins Le Bretonneux  
France



# Boston Scientific

*Advancing science for life™*

Email: [benalin@bsci.com](mailto:benalin@bsci.com)

Website: [www.bostonscientific.eu](http://www.bostonscientific.eu)

Boston Scientific is dedicated to transforming lives through innovative medical solutions that improve the health of patients around the world.



## Exhibitor Profiles

### Booth No 2

#### DIROS TECHNOLOGY INC

120 Gibson Dr  
L3R 2Z3 Markham  
Canada



Email: [staskini@dirostech.com](mailto:staskini@dirostech.com)  
Website: [www.dirostech.com](http://www.dirostech.com)

Manufacturer of the renowned OWL® Radiofrequency Products.

At our booth you will find a unique combination of products that together have the longest experience and continued success in the RF Pain Management market. With the most innovative DIROS OWL® URF-3AP Lesion Generator & MLA-4, TRIDENT™ RF Cannulae, RF probes, RF Cannulae, and GD-pads - all of your RF needs are met here.

### Booth No 8

#### EUROPEAN HEADACHE FEDERATION (EHF)

Carl-Pulfrich-Str.1  
07745 Jena  
E-mail: [HYPERLINK "mailto:ehf@conventus.de" ehf@conventus.de](mailto:HYPERLINKmailto:ehf@conventus.de)



The European Headache Federation is a non-profit organisation made up of European National Societies and all research groups involved in the area of headache. It consists of 34 national societies, which are the official headache societies of their country. The European Headache Federation is incorporated in England and Wales as a company limited by guarantee; registered charity no. 1084181

### Booth No 13a

#### EQUIP MEDIKEY BV

Edisonstraat 16j  
Gouda PB 2809.  
Netherlands



Email: [info@equip.nl](mailto:info@equip.nl)  
Website: [www.equip.nl](http://www.equip.nl)

Equip Medikey, the key to medical innovation  
At our booth you will find the following revolutionary Pain Management products:  
TOP TLG-10 RF generator with STP and TC PRF, new Pulsed Radio Frequency modes  
TOP NeuroPole SC-K, curved SCC and echogenic SCU, 2-in-1 RF Thermocouple needles  
TOP NeuroPole XE-PRF needles, developed for PRF EPI-C, no cross-contamination with this Epiduroscope  
7STARSCOPE, unique ultrasound system and endoscopic 18G cannula  
C-Table, smart and simple treatment table.

### Booth No 5

#### EUROPEAN SOCIETY OF ANAESTHESIOLOGY

24 Rue des Comédiens  
1000 Brussels  
Belgium



Email: [info@esahq.org](mailto:info@esahq.org)  
Website: [www.esahq.org](http://www.esahq.org)

The ESA is the leading European organisation for anaesthesiology professionals. The ESA performs multicountry observational clinical trials and offers countless benefits to its members, such as the European Journal of Anaesthesiology (EJA), ESA Masterclasses and workshops, access to the ESA e-learning platform, exclusive ESA Grants and Fellowships, and discounted rates to Focus Meeting (Rome, 15-16 Oct 2019) and Euroanaesthesia (Barcelona 30 May- 1 June 2020). Find more info at [www.esahq.org](http://www.esahq.org)

## Exhibitor Profiles

### Booth No 1

#### EUROPEAN PAIN FEDERATION

Rue de Londres - Londenstraat 18  
1050 Brussels  
Belgium



Email: [secretary@efic.org](mailto:secretary@efic.org)  
Website: [europeanpainfederation.eu/](http://europeanpainfederation.eu/)

As an organisation, the European Pain Federation EFIC® has been growing steadily over the last 25 years in its core domains of education, research, and advocacy. We have developed into Europe's most important multi-disciplinary and multi-professional organisation in the field of pain medicine, representing the 37 European Chapters of the International Association for the Study of Pain (IASP) with over 20,000 physicians, basic researchers, nurses, psychologists, physiotherapists and other healthcare professionals.

### Booth No 17

#### GRÜNENTHAL GROUP

Zieglerstraße 6  
52078 Aachen  
Germany



Email: [info@grunenthal.com](mailto:info@grunenthal.com)  
Website: [www.grunenthal.com](http://www.grunenthal.com)

Grünenthal is a global leader in pain management and related diseases. As a science-based, privately-owned pharmaceutical company, we have a long track record of bringing innovative treatments and state-of-the-art technologies to patients worldwide. Our purpose is to change lives for the better - and innovation is our passion. We are focussing all of our activities and efforts on working towards our vision of a world free of pain.

### Booth No 18i

#### INTERNATIONAL ASSOCIATION FOR THE STUDY OF PAIN (IASP)

1510 H St. NW  
Suite 600  
20005 Washington  
United states



Email: [IASPdesk@iasp-pain.org](mailto:IASPdesk@iasp-pain.org)  
Website: [www.iasp-pain.org](http://www.iasp-pain.org)

IASP is the leading scientific organization devoted to the study of pain. Through a professional community of more than 7,000 scientists, clinicians, healthcare providers, and policymakers from over 130 countries, IASP works to support research, education, clinical treatment, and better patient outcomes for all pain conditions. Join us in Amsterdam 4-8 August 2020 for the IASP World Congress on Pain ([iaspworldcongress.org](http://iaspworldcongress.org)).

### Booth No 20

#### IBSA INSTITUT BIOCHIMIQUE SA

Via del Piano, 29  
6915 Pambio Noranco  
Switzerland



#### Caring Innovation

Email: [paola.quagliucci@ibsa.ch](mailto:paola.quagliucci@ibsa.ch)  
Website: [www.ibsagroup.com](http://www.ibsagroup.com)

IBSA International SA is a pharmaceutical company based in Lugano, Switzerland, and active in different therapeutic areas (OA, Pain, Dermatology, Endocrinology, Human Reproduction, Urology). IBSA's portfolio for OA and related syndromes includes many therapeutic options: oral pharmaceutical-grade chondroitin sulphate, a series of highly purified biofermentative i.a. hyaluronic acids, topical forms of diclofenac epolamine, low-dosage subcutaneous and iv bolus injection of diclofenac and a new low-dosage diclofenac epolamine as oral softgels.

## Exhibitor Profiles

### Booth 3

#### ICD - 11

1510 H Street NW, Suite 600  
Washington, DC 20005  
United States



Website: [www.iasp-pain.org](http://www.iasp-pain.org)

The latest version of the International Classification of Diseases (ICD-11) will come into effect in 2022. For the first time it includes a comprehensive classification system for chronic pain, which was based on extensive research & data collected over the last 6 years by an IASP Task Force. Visit the ICD-11 booth to learn more about the new categories of chronic pain & their applicability to primary care, results of international field tests, & functioning properties of chronic pain.

### Booth 2a

#### IMI-PAINCARE PROJECT

Morgensterstraße 24  
12207 Berlin  
Germany



Email: [wirtz@consultech.de](mailto:wirtz@consultech.de)  
Website: [imi-paincare.eu](http://imi-paincare.eu)

“Improving the care of patients suffering from acute or chronic pain” is the ambitious goal of the IMI-PAINCARE Consortium addresses three important topics:  
Patient reported outcome measures to improve management of acute and chronic pain (PROMPT);  
Pharmacological validation of functional pain biomarkers in healthy subjects and animals (BioPain);  
Improving translation in chronic pelvic pain (TRiPP)  
“Improving the care of patients suffering from acute or chronic pain” is the ambitious goal of the IMI-PAINCARE.

### Booth 19

#### KYOWA KIRIN

Fieldhouse Lane2 Globeside  
Fieldhouse Lane  
SL7 1HY Marlow  
United Kingdom



Email: [chris.fuller@kyowakirin.com](mailto:chris.fuller@kyowakirin.com)  
Website: [www.kyowakirin.com/](http://www.kyowakirin.com/)

At Kyowa Kirin International “Commitment to Life” is at our core. With over 500 people focused on this purpose we’ve become a highly successful and rapidly growing specialty pharmaceutical company engaged in the development and commercialisation of innovative medicines for the treatment of unmet therapeutic needs. Kyowa Kirin International is a subsidiary of Kyowa Hakko Kirin Co. Ltd., the Japan-based global specialty pharmaceutical company. We are headquartered in Scotland, UK with offices across Europe including Spain.

### Booth 16b

#### MEDOC LTD

Hadekel 1, Ramat Yishai  
30095 Ramat Yishai  
Israel



Email: [info@medoc-web.com](mailto:info@medoc-web.com)  
Website: [medoc-web.com](http://medoc-web.com)

Medoc is the leading developer and manufacturer of Quantitative Sensory Testing (QST) Systems used in assessment of pain. Our systems are utilized in pain research worldwide, including their use for thermal evoked potentials and their implementation in the MRI environment. Medoc also offers advanced services for clinical drug trials. Medoc systems have been validated across more than 2000 peer-reviewed published studies spanning two decades. Medoc devices are FDA cleared and CE approved.

## Exhibitor Profiles

### Booth 13d

#### NEVRO

1800 Bridge Pkwy  
CA 94065 Redwood City  
United States



Website: [www.nevro.com](http://www.nevro.com)

Headquartered in Redwood City, California, Nevro is a global medical device company focused on providing innovative products that improve the quality of life of patients suffering from debilitating chronic pain. Nevro has developed and commercialized the Senza spinal cord stimulation (SCS) system, an evidence-based, non-pharmacologic neuromodulation platform for the treatment of chronic pain.

### Booth No 13c

#### PAIN ALLIANCE EUROPE

Grensstraat 7, box 3  
1831 Diegem (Brussels)  
Belgium

Website: [www.pae-eu.eu](http://www.pae-eu.eu)

### Booth No 18a, 14

#### PFIZER AND LILLY

235 East 42nd St.  
New York, NY 10017  
United States



THE KEY TO UNDERSTANDING CHRONIC PAIN STARTS WITH A DEDICATED PARTNERSHIP:

Pfizer and Lilly are driven by our shared mission to improve the lives of the millions of people who are suffering from chronic pain, which can have life-altering physical, social, psychological, and economic impacts.

Together, we are leveraging our deep clinical expertise to further medical education in hopes of continuing to make a meaningful difference for people around the world.

### Booth No 18g

#### PAINCAST

P.O. Box 814869  
75381 Dallas  
United States



Email: [maya@paincast.com](mailto:maya@paincast.com)  
Website: [www.paincast.com](http://www.paincast.com)

PainCast is a dedicated online resource of exclusive pain management content. The field is constantly changing, and PainCast provides a place to learn, share ideas, and grow professionally. Physicians can easily register for membership gaining access to a continuously evolving digital library of procedure videos, podcasts, published articles, and more. Sign up today at [PainCast.com](http://PainCast.com)

### Booth No 13h

#### QST.LAB

21 rue Becquerel  
67087 Strasbourg  
France



Email: [qst@qst-lab.eu](mailto:qst@qst-lab.eu)  
Website: [www.qst-lab.eu](http://www.qst-lab.eu)

QST.Lab is a new company created by pain researchers and engineers who have pooled their knowledge to develop the most powerful tools for pain research. QST.Lab is mainly specialized in the development of thermal stimulation tools for advanced research (QST, EEG, fMRI) and for clinical investigation

## Exhibitor Profiles

### Booth 22a

#### SALUDA MEDICAL

Saluda Medical Europe Ltd  
7 Alexandra Road  
HG1 5JS Harrogate  
United Kingdom



#### saluda MEDICAL

Website: [www.saludamedical.com](http://www.saludamedical.com)

Saluda Medical is a global medical device company focused on patient outcomes, science, and engineering to transform the neuromodulation industry with a platform of closed-loop technologies based on the evoked compound action potential (ECAP). Saluda's first device is Evoke®, an ECAP-Controlled Closed-Loop Spinal Cord Stimulation (SCS) System. It's currently under investigation through the first double-blinded US approval study in SCS. Saluda has recently been awarded CE Mark.

### Booth No 16e

#### SOCIEDAD ESPAÑOLA DEL DOLOR (SED), SPANISH SOCIETY OF PAIN

Pº de la Castellana, 241 - 4º A  
28046 MADRID  
Spain



Sociedad Española del Dolor

Email: [clara.gutierrez@sedolor.es](mailto:clara.gutierrez@sedolor.es)  
Website: [www.sedolor.es](http://www.sedolor.es)

The Spanish Society of Pain (SED) is a professional, multidisciplinary, non-profit association, founded in June 1990 with the intention of promoting scientific research on the mechanisms and treatment of pain, raise awareness on this issue and encourage the constant improvement in the assessment and therapy of patients suffering pain.

The Spanish Society of Pain is a chapter of the International Association for the Study of Pain (IASP) as well as a chapter of the European Pain Federation EFIC. The Spanish Society of Pain integrates professionals of different specialties and degrees, including medicine, pharmacists, psychologists, physiotherapists and nursing.

### Booth No 18c

#### SHIONOGI

33 Kingsway  
WC2B 6UF London  
United Kingdom



Website: [www.shionogi.eu](http://www.shionogi.eu)

From our beginnings nearly 140 years ago in Osaka, Japan, SHIONOGI & Co. Ltd. has built a strong heritage in research-based medicine, matched by world-class market access and patient insight capabilities. SHIONOGI Europe was launched in 2012 and is committed to applying our patient-first approach in everything we do across the region.

Our research-led organisation is defined by a distinct openness and close partnership approach to discovering and developing medicines addressing unmet medical needs. Our development approach goes hand in hand with the collaborative drug discovery process that lies at the heart of SHIONOGI and our people.

### Booth No 18h

#### SPECTRA MEDICAL DEVICES, INC.

260 H Fordham Road  
1887 Wilmington  
United States



Email: [vanessa.ong.ying.ling@gmail.com](mailto:vanessa.ong.ying.ling@gmail.com)  
Website: [www.spectramedical.com](http://www.spectramedical.com)

Spectra Medical Devices is one of the largest custom procedural needle manufacturers in the world, with market share in over 20 countries. Spectra utilizes state-of-the-art manufacturing, measuring and inspection systems, and has been awarded several US patents for special needle processing and product. Spectra's Pain Management offerings include a wide array of radio frequency needles; peripheral nerve block needles (continuous and single-shot); and nerve stimulation needles (coming soon).

## Exhibitor Profiles

### Booth No 10

#### SPECTRUM THERAPEUTICS

Neue Mainzer Strasse 46-50  
60311 Frankfurt am Main  
Germany



Email: [de.info@canopygrowth.com](mailto:de.info@canopygrowth.com)  
Website: [www.spectrumtherapeutics.com](http://www.spectrumtherapeutics.com)

Spectrum Therapeutics, the medical division of Canopy Growth Corporation, is dedicated to educating healthcare practitioners, furthering the public's understanding of medical cannabis and cutting edge research and development. Spectrum Therapeutics operates in Canada, Australia, South America, Africa and across Europe. Its products are available in a range of potencies and formats categorized according to THC and CBD levels through a straightforward colour-coded Spectrum Framework.

### Booth No 16c

#### SPINE INTERVENTION SOCIETY

120 E. Ogden Ave. Ste. 202  
60521 Hinsdale  
United States



Email: [membership@SpineIntervention.org](mailto:membership@SpineIntervention.org)  
Website: [www.spineintervention.org](http://www.spineintervention.org)

SIS (pronounced "ESS-EYE-ESS") was formerly known as ISIS—the International Spine Intervention Society. SIS develops and promotes the highest standards for the practice of interventional procedures. Physicians in 52 nations rely on SIS for in-person and online education. Complimentary and reduced dues are available for physicians in training and for those residing outside of the U.S. and Canada. Learn more at [SpineIntervention.org](http://SpineIntervention.org).

### Booth No 18b

#### TILRAY

Friedrichstraße 153 A  
10117 Berlin  
Germany



Email: [info@tilray.de](mailto:info@tilray.de)  
Website: [www.tilray.com](http://www.tilray.com)

Tilray is a global leader in cannabis research, cultivation, processing and distribution. We aspire to lead, legitimize and define the future of our industry by building the world's most trusted cannabis company.

A proud pioneer, we are the first GMP-certified medical cannabis producer to supply cannabis extract products and flower to tens of thousands of patients, physicians, pharmacies, hospitals, governments and researchers on five continents.

### Booth No 16d

#### VERSUS ARTHRITIS

Copeman House, St Mary's Court  
S41 7TD Chesterfield  
United Kingdom



Email: [PainTeam@versusarthritis.org](mailto:PainTeam@versusarthritis.org)  
Website: [versusarthritis.org](http://versusarthritis.org)

We are Versus Arthritis. We are here to demand and deliver better with and for people with arthritis. We are a movement of volunteers, healthcare professionals, researchers, family and friends doing everything we can to push back against arthritis. We invest in and deliver cutting edge research, provide quality services and advice, and campaign for arthritis to be a health priority, so the pain fatigue and isolation of arthritis are no longer tolerated. [www.versusarthritis.org](http://www.versusarthritis.org).

## Exhibitor Profiles

### Booth No 6

#### WISEPRESS LTD

15 Lyon Road  
London SW19 2RL  
United Kingdom



### Booth No 13b

#### WORLD INSTITUTE OF PAIN

150 Kimel Park Drive, Suite 100-A  
NC 27103-6992 Winston- Salem  
United states



Email: [ann.hartley@moremore.it](mailto:ann.hartley@moremore.it)  
Email: [mark.tolliver@worldinstituteofpain.org](mailto:mark.tolliver@worldinstituteofpain.org)

The World Institute of Pain (WIP) is an international membership organization for physicians that facilitates the exchange of knowledge and practical expertise in the field of interventional pain management. The activities of WIP include the publication of the journal Pain Practice, various workshops and symposia, our World Congress, and our certification programs, FIPP and CIPS. Please visit our booth 13b and learn more about the 10th World Congress WIP 2020 Rome 20-23 May 2020, it will be a pleasure to meet you

### Booth No 22

#### ZERO GRAVITY SKIN

940 Lincoln rd #370, North Miami beach  
33179 Florida  
United States



Email: [myia@zerogravityskin.com](mailto:myia@zerogravityskin.com)  
Website: <https://www.zerogravityskin.com>

ZERO GRAVITY SKIN is a leading company and one of the biggest whole-sellers for LED medical devices. We provide a unique FDA approved medical device called PERFECTIO.

PERFECTIO and other devices are based on NASA science and used for facial and body therapy treatments for different skin problems and illnesses.

# Notes

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# Notes

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# Notes

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BAILE ÁTHA CLIATH 2021:  
FEICFIMID ANN SIBH!

SEE YOU IN  
**DUBLIN 2021**



12<sup>th</sup> CONGRESS OF  
THE EUROPEAN PAIN  
FEDERATION EFIC®

29 SEPTEMBER - 2 OCTOBER 2021  
DUBLIN, IRELAND

**PAIN IN EUROPE XII**  
TARGETING PAIN AND ITS COMORBIDITIES  
IN THE DIGITAL AGE

Chaired by Professor Eija Kalso



WWW.EFIC.ORG  #EFIC2021

DUBLIN

# PAIN RELIEF, OPIOIDS AND CONSTIPATION: UNDERSTANDING A SIGNIFICANT AND COMMON PROBLEM

**EFIC 2019** Friday 6 September 12:15 – 13:45  
Auditorium 3A, Feria Valencia, Spain



Introduction: responsible use of opioids for  
pain management

**Prof Bart Morlion**

The importance of a holistic approach for optimal  
pain management in supportive care

**Dr César Margarit**

Insights from breakthrough cancer pain and  
opioid-induced constipation in clinical practice

**Dr Andrew Davies**

Breakthrough cancer pain and opioid-induced  
constipation in the real world: interactive clinical cases

**Dr Mario di Palma**

Q&A

**All**

Summary and close

**Prof Bart Morlion**