

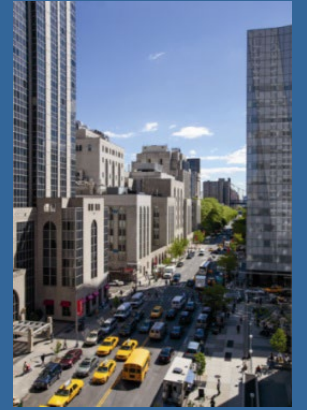


Weill Cornell Medicine

Joan and Sanford I. Weill Department of Medicine

What's New In Medicine

Newsletter • March 2022



What's New in Medicine, the newsletter of the Joan and Sanford I. Weill Department of Medicine at Weill Cornell Medicine, provides the latest updates on the department's research breakthroughs, new faculty recruits, and honors and awards.

To submit information for consideration for future newsletters, please contact Suzanne Ross directly at suross@med.cornell.edu.

Message from the Chair



It is always an exciting time of the year in the Weill Department of Medicine as we welcome the results of the match. We very much appreciate the efforts of many of our faculty in the interview and recruitment process. This year, our program, under Dr. Kirana Gudi's leadership, welcomes a total of 45 new graduates who will join us in June as interns. 36 of these are in our Categorical program, 4 in Primary Care, and 5 in the Medical Research track (2 in Hematology/Oncology, 2 in Gastroenterology, and 1 in Rheumatology). They come from 27 medical schools across the country. There are 28 women and 17 men, with 11 underrepresented in medicine and 10 are Weill Cornell graduates. Special thanks to Margie Daly and Karla Jacome for their efforts and to Drs. Adrian Majid, Helene Strauss, Alexandra King, Peggy Leung, Jeff Silberzweig, Todd Cutler, and Kyu Rhee for their leadership.

We continue to recruit the most outstanding medical school graduates to our program, which bodes well for our future.

Tony

Anthony Hollenberg, M.D.
Sanford I. Weill Chair

News



WDOM Physician-Scientists Play Key Role in Possibly Curing HIV Infection by Special Stem-Cell Transplant

Drs. Koen Van Besien, Jingmei Hsu, and Marshall Glesby have led a clinical trial involving a patient living with HIV who has now been free of the virus for 14 months. [Read more](#)



Dr. Iliev and Colleagues Publish Critical Advance in *Cell*: Gut Fungi Influences Neuroimmunity and Behavior

Using a mouse model, researchers have revealed molecular signals that connect a specific group of fungi in the gut to cells throughout the host's body, including immune cells and neurons. [Read more](#)

Women Physicians from the WDOM Highlighted as Portrait of Dr. Elizabeth Blackwell Unveiled at NYP's Lower Manhattan Hospital

Dr. Blackwell was the first woman in the United States to become an M.D. The occasion was in honor of National Women Physicians Day held on February 3, 2022. [Read more](#)

Clinic for Gender Affirming Care Opens in the Weill Department of Medicine

In a welcoming environment, the team is committed to providing individualized gender affirming hormone treatment. When feasible, the team suggests in person appointments for initial visits but will also accommodate patients for virtual visits. [Read more](#)



Dr. Prigerson's Research on Prolonged Grief Disorder Highlighted in *The New York Times*

Dr. Prigerson, who has been working to include prolonged grief disorder as a classified, diagnosable psychiatric disorder, provided perspective and insights on the topic based upon her research studies over the years. [Read more](#)

Two Physician-Scientists Training in the WDOM's Medical Research Track Receive ASCI's Emerging-Generation Award

Dr. Rachel Niec and Dr. Melanie H. Smith have each received an Emerging-Generation Award (2022) from the American Society of Clinical Investigation (ASCI). [Read more](#)



Dr. Morales Receives 2022 Pilot Grant Award of the Mastercard Diversity-Mentorship Collaborative

This one-time grant will support Dr. Morales's project focused on understanding the role of an oncoprotein, Wilms' Tumor 1, in HIV-Associated Kaposi Sarcoma. [Read more](#)

News Flashes

- Congratulations to WDOM faculty who recently received a promotion:
Sanjai Sinha, M.D. - Associate Professor of Clinical Medicine, Division of General Internal Medicine
- The WDOM congratulates **Dr. Tracy K. Paul**, Assistant Professor of Clinical Medicine, Division of Cardiology, on her recent honor from the National Minority Quality Forum (NMQF). Dr. Paul has been named as one of the Forum's *40 Under 40 Leaders in Minority Health*. Since 2016, NMQF has selected 40 minority health leaders under the age of 40 who have been leading the charge to better patient outcomes and build sustainable healthy communities. [Read more](#)
- As part of Diabetes Awareness Month, two members of the WDOM's Division of Endocrinology, Diabetes and Metabolism were interviewed on Health Professional Radio. **Anyanate Jack, M.D.**, Assistant Professor of Clinical Medicine, and **Rachel Stahl, M.S., B.A.**, Staff Associate in Medicine, provided valuable information on their team-based approach for patients with diabetes. One of their patients, Ms. Jean Ford, was also interviewed and relayed how the team-based care she received guided her to remission. Check out these informative and uplifting interviews:
Dr. Jack and Rachel Stahl: [Diabetes Awareness – Endocrinologist and Registered Dietician](#)
Ms. Jean Ford: [Diabetes Patient Success Story](#)
- Congratulations to **Dr. Susana Morales**, Vice Chair for Diversity in the WDOM, on being honored with the 2022 Physician of the Year Award from the National Hispanic Medical Association (NHMA). The award will be presented as part of the Leadership Awards Gala & Dinner at the NHMA's 25th Annual Conference: Addressing Social Determinants and Well-Being.

Research Paper Highlights

Cardiology

Liu CF. Atrial fibrillation ablation in chronic kidney disease-Lessons from large datasets. J Cardiovasc Electrophysiol. 2022 Mar;33(3):412-413. doi: 10.1111/jce.15355. Epub 2022 Jan 19. PMID: 35020245.

Endocrinology, Diabetes & Metabolism

Weintraub MA, Ameer B, Sinha Gregory N. Graves Disease Following the SARS-CoV-2 Vaccine: Case Series. J Investig Med High Impact Case Rep. 2021 Jan-Dec;9:23247096211063356. doi: 10.1177/23247096211063356. PMID: 34939881; PMCID: PMC8724979.

Goncalves MD, Farooki A. Management of Phosphatidylinositol-3-Kinase Inhibitor-Associated Hyperglycemia. Integr Cancer Ther. 2022 Jan-Dec;21:15347354211073163. doi: 10.1177/15347354211073163. PMID: 35075945; PMCID: PMC8793384.

Skovsø S, Panzhinskiy E, Kolic J, Cen HH, Dionne DA, Dai XQ, Sharma RB, Elghazi L, Ellis CE, Faulkner K, Marcil SAM, Overby P, Noursadeghi N, Hutchinson D, Hu X, Li H, Modi H, Wildi JS, Botezelli JD, Noh HL, Suk S, Gablaski B, Bautista A, Kim R, Cras-Méneur C, Flibotte S, Sinha S, Luciani DS, Nislow C, Rideout EJ, Cytrynbaum EN, Kim JK, Bernal-Mizrachi E, Alonso LC, MacDonald PE, Johnson JD. Beta-cell specific Insr deletion promotes insulin hypersecretion and improves glucose tolerance prior to global insulin resistance. Nat Commun. 2022 Feb 8;13(1):735. doi: 10.1038/s41467-022-28039-8. PMID: 35136059; PMCID: PMC8826929.

Gastroenterology & Hepatology

Brown RS Jr, Collins MA, Strasser SI, Emmett A, Topp AS, Burroughs M, Ferreira R, Feld JJ. Efficacy and Safety of 8- or 12 Weeks of Glecaprevir/Pibrentasvir in Patients with Evidence of Portal Hypertension. *Infect Dis Ther*. 2022 Feb 17. doi: 10.1007/s40121-022-00599-8. Epub ahead of print. PMID: 35174470.

Adrover JM, Carrau L, Daßler-Plenker J, Bram Y, Chandar V, Houghton S, Redmond D, Merrill JR, Shevik M, tenOever BR, Lyons SK, Schwartz RE, Egeblad M. Disulfiram inhibits neutrophil extracellular trap formation protecting rodents from acute lung injury and SARS-CoV-2 infection. *JCI Insight*. 2022 Feb 8:e157342. doi: 10.1172/jci.insight.157342. Epub ahead of print. PMID: 35133984.

Zhou L, Zhou W, Joseph AM, Chu C, Putzel GG, Fang B, Teng F, Lyu M, Yano H, Andreasson KI, Mekada E, Eberl G, Sonnenberg GF. Group 3 innate lymphoid cells produce the growth factor HB-EGF to protect the intestine from TNF-mediated inflammation. *Nat Immunol*. 2022 Feb;23(2):251-261. doi: 10.1038/s41590-021-01110-0. Epub 2022 Jan 31. PMID: 35102343; PMCID: PMC8842850.

Leonardi I, Gao IH, Lin WY, Allen M, Li XV, Fiers WD, De Celie MB, Putzel GG, Yantiss RK, Johncilla M, Colak D, Iliev ID. Mucosal fungi promote gut barrier function and social behavior via Type 17 immunity. *Cell*. 2022 Mar 3;185(5):831-846.e14. doi: 10.1016/j.cell.2022.01.017. Epub 2022 Feb 16. PMID: 35176228; PMCID: PMC8897247. **[Jill Roberts Institute]**

General Internal Medicine

Gorman JM, Gorman SE, Sandy W, Gregorian N, Scales DA. Implications of COVID-19 Vaccine Hesitancy: Results of Online Bulletin Board Interviews. *Front Public Health*. 2022 Jan 10;9:757283. doi: 10.3389/fpubh.2021.757283. Erratum in: *Front Public Health*. 2022 Mar 08;10:868438. PMID: 35111712; PMCID: PMC8802137.

Kingery JR, Safford MM, Martin P, Lau JD, Rajan M, Wehmeyer GT, Li HA, Alshak MN, Jabri A, Kofman A, Babu CS, Benitez EK, Palacardo F, Das IG, Kaylor K, Woo KM, Roberts NL, Rahiel S, Gali V, Han L, Lee J, Roszkowska N, Kim YE, Bakshi S, Hogan C, McNairy M, Pinheiro LC, Goyal P. Health Status, Persistent Symptoms, and Effort Intolerance One Year After Acute COVID-19 Infection. *J Gen Intern Med*. 2022 Apr;37(5):1218-1225. doi: 10.1007/s11606-021-07379-z. Epub 2022 Jan 24. PMID: 35075531; PMCID: PMC8786200.

Choi JJ, McCarthy MW, Meltzer KK, Cornelius-Schecter A, Jabri A, Reshetnyak E, Banerjee S, Westblade LF, Mehta S, Simon MS, Zhao Z, Glesby MJ. The Diagnostic Accuracy Of Procalcitonin for Urinary Tract Infection in Hospitalized Older Adults: a Prospective Study. *J Gen Intern Med*. 2022 Jan 8:1–7. doi: 10.1007/s11606-021-07265-8. Epub ahead of print. PMID: 34997392; PMCID: PMC8741546.

Yan LD, Rouzier V, Pierre JL, Lee MH, Muntner P, Parsons PJ, Apollon A, St-Preux S, Malebranche R, Pierre G, Emmanuel E, Nash D, Kingery J, Walsh KF, Smith CE, Metz M, Tymejczyk O, Deschamps M, Pape JW, Fitzgerald DW, McNairy ML. High Lead Exposure Associated With Higher Blood Pressure in Haiti: a Warning Sign for Low-Income Countries. *Hypertension*. 2022 Jan;79(1):283-290. doi: 10.1161/HYPERTENSIONAHA.121.18250. Epub 2021 Nov 17. PMID: 34878898; PMCID: PMC8667279. **[Center for Global Health]**

Geriatrics & Palliative Medicine

Prigerson HG, Shear MK, Reynolds CF 3rd. Prolonged Grief Disorder Diagnostic Criteria—Helping Those With Maladaptive Grief Responses. *JAMA Psychiatry*. 2022 Feb 2. doi: 10.1001/jamapsychiatry.2021.4201. Epub ahead of print. PMID: 35107569.

Kakarala SE, Prigerson HG. Covid-19 and Increased Risk of Physician Suicide: A Call to Detoxify the U.S. Medical System. *Front Psychiatry*. 2022 Feb 9;13:791752. doi: 10.3389/fpsyt.2022.791752. PMID: 35222114; PMCID: PMC8864162.

Gang J, Falzarano F, She WJ, Winoker H, Prigerson HG. Are deaths from COVID-19 associated with higher rates of prolonged grief disorder (PGD) than deaths from other causes? *Death Stud*. 2022 Feb 15:1-10. doi: 10.1080/07481187.2022.2039326. Epub ahead of print. PMID: 35167429.

Hematology & Medical Oncology

Roboz GJ, Ravandi F, Wei AH, Dombret H, Thol F, Voso MT, Schuh AC, Porkka K, La Torre I, Skikne BS, Zhong J, Beach CL, Risueño A, Lopes de Menezes D, Ossenkoppele GJ, Döhner H. Oral azacitidine prolongs survival of patients with AML in remission independent of measurable residual disease status. *Blood*. 2022 Jan 7;blood.2021013404. doi: 10.1182/blood.2021013404. Epub ahead of print. PMID: 34995344.

Shohdy KS, Villamar DM, Cao Y, Trieu J, Price KS, Nagy R, Tagawa ST, Molina AM, Sternberg CN, Nanus DM, Mosquera JM, Elemento O, Sonpavde GP, Grivas P, Vogelzang NJ, Faltas BM. Serial ctDNA analysis predicts clinical progression in patients with advanced urothelial carcinoma. *Br J Cancer*. 2022 Feb;126(3):430-439. doi: 10.1038/s41416-021-01648-8. Epub 2022 Jan 19. PMID: 35046520; PMCID: PMC8810988.

Chaekal OK, Soave R, Chen Z, Shore T, Mayer S, Phillips A, Mei Hsu J, Gomez-Arteaga A, Rennert H, Drelick A, Orfali N, Walsh TJ, Small CB, Kodiyanplakkal RPL, Plate M, Satlin MJ, van Besien K. Adenovirus viremia after *in vivo* T-cell depleted allo-transplant in adults: low lymphocyte counts are associated with uncontrolled viremia and fatal outcomes. *Leuk Lymphoma*. 2022 Feb;63(2):435-442. doi: 10.1080/10428194.2021.1978088. Epub 2021 Oct 13. PMID: 34643477.

Infectious Diseases

Butt AA, Talisa VB, Yan P, Shaikh OS, Omer SB, Mayr FB. Vaccine Effectiveness of Three vs. Two Doses of SARS-CoV-2 mRNA Vaccines in a High Risk National Population. *Clin Infect Dis*. 2022 Mar 4:ciac178. doi: 10.1093/cid/ciac178. Epub ahead of print. PMID: 35245940; PMCID: PMC8903438.

Choi JJ, McCarthy MW, Meltzer KK, Cornelius-Schechter A, Jabri A, Reshetnyak E, Banerjee S, Westblade LF, Mehta S, Simon MS, Zhao Z, Glesby MJ. The Diagnostic Accuracy Of Procalcitonin for Urinary Tract Infection in Hospitalized Older Adults: a Prospective Study. *J Gen Intern Med*. 2022 Jan 8:1-7. doi: 10.1007/s11606-021-07265-8. Epub ahead of print. PMID: 34997392; PMCID: PMC8741546.

Stoeckle K, Witting B, Kapadia S, An A, Marks K. Elevated inflammatory markers are associated with poor outcomes in COVID-19 patients treated with remdesivir. *J Med Virol*. 2022 Jan;94(1):384-387. doi: 10.1002/jmv.27280. Epub 2021 Aug 23. PMID: 34406670; PMCID: PMC8426873.

Medical Ethics

Peterson A, Young MJ, Fins JJ. Ethics and the 2018 Practice Guideline on Disorders of Consciousness: A Framework for Responsible Implementation. *Neurology*. 2022 Mar 11:10.1212/WNL.000000000200301. doi: 10.1212/WNL.000000000200301. Epub ahead of print. PMID: 35277446.

Waldrop G, Safavynia SA, Barra ME, Agarwal S, Berlin DA, Boehme AK, Brodie D, Choi JM, Doyle K, Fins JJ, Ganglberger W, Hoffman K, Mittel AM, Roh D, Mukerji SS, Der Nigoghossian C, Park S, Schenck EJ, Salazar-Schicchi J, Shen Q, Sholle E, Velazquez AG, Walline MC, Westover MB, Brown EN, Victor J, Edlow BL, Schiff ND, Claassen J. Prolonged unconsciousness is common in COVID-19 and associated with hypoxemia. *Ann Neurol*. 2022 Mar 7. doi: 10.1002/ana.26342. Epub ahead of print. PMID: 35254675.

Fins JJ. Consciousness, Conflations, and Disability Rights: Denials of Care for Children in the "Minimally Conscious State". *J Law Med Ethics*. 2022;50(1):181-183. doi: 10.1017/jme.2022.22. PMID: 35243988.

Nephrology & Hypertension

Tummalapalli SL, Estrella MM, Jannat-Khah DP, Keyhani S, Ibrahim S. Capitated versus fee-for-service reimbursement and quality of care for chronic disease: a US cross-sectional analysis. *BMC Health Serv Res.* 2022 Jan 4;22(1):19. doi: 10.1186/s12913-021-07313-3. PMID: 34980111; PMCID: PMC8723903.

Garovic VD, Dechend R, Easterling T, Karumanchi SA, McMurtry Baird S, Magee LA, Rana S, Vermunt JV, August P; American Heart Association Council on Hypertension; Council on the Kidney in Cardiovascular Disease, Kidney in Heart Disease Science Committee; Council on Arteriosclerosis, Thrombosis and Vascular Biology; Council on Lifestyle and Cardiometabolic Health; Council on Peripheral Vascular Disease; and Stroke Council. Hypertension in Pregnancy: Diagnosis, Blood Pressure Goals, and Pharmacotherapy: A Scientific Statement From the American Heart Association. *Hypertension.* 2022 Feb;79(2):e21-e41. doi: 10.1161/HYP.000000000000208. Epub 2021 Dec 15. Erratum in: *Hypertension.* 2022 Mar;79(3):e70. PMID: 34905954.

Bhatia D, Capili A, Nakahira K, Muthukumar T, Torres LK, Choi AMK, Choi ME. Conditional deletion of myeloid-specific mitofusin 2 but not mitofusin 1 promotes kidney fibrosis. *Kidney Int.* 2022 Feb 26:S0085-2538(22)00160-0. doi: 10.1016/j.kint.2022.01.030. Epub ahead of print. PMID: 35227692.

Pulmonary & Critical Care Medicine

Gaffney AW, Podolanczuk AJ. Inequity and the Interstitium: Pushing Back on Disparities in Fibrosing Lung Disease in the United States and Canada. *Am J Respir Crit Care Med.* 2022 Feb 15;205(4):385-387. doi: 10.1164/rccm.202111-2652ED. PMID: 35007493; PMCID: PMC8886941.

Suhre K, Sarwath H, Engelke R, Sohail MU, Cho SJ, Whalen W, Alvarez-Mulett S, Krumsiek J, Choi AMK, Schmidt F. Identification of Robust Protein Associations With COVID-19 Disease Based on Five Clinical Studies. *Front Immunol.* 2022 Jan 25;12:781100. doi: 10.3389/fimmu.2021.781100. PMID: 35145507; PMCID: PMC8821526.

Owyang CG, Donnat C, Brodie D, Gershengorn HB, Hua M, Qadir N, Tonna JE. Similarities in extracorporeal membrane oxygenation management across intensive care unit types in the United States: An analysis of the Extracorporeal Life Support Organization Registry. *Artif Organs.* 2022 Feb 4. doi: 10.1111/aor.14193. Epub ahead of print. PMID: 35122290.

Regenerative Medicine

Itkin T, Rafii S. Cardiovascular diseases disrupt the bone-marrow niche. *Nature.* 2022 Jan;601(7894):515-517. doi: 10.1038/d41586-021-03550-y. PMID: 34949859.

Gu W, Wang H, Huang X, Kraiczy J, Singh PNP, Ng C, Dagdeviren S, Houghton S, Pellon-Cardenas O, Lan Y, Nie Y, Zhang J, Banerjee KK, Onufer EJ, Warner BW, Spence J, Scherl E, Rafii S, Lee RT, Verzi MP, Redmond D, Longman R, Helin K, Shivdasani RA, Zhou Q. SATB2 preserves colon stem cell identity and mediates ileum-colon conversion via enhancer remodeling. *Cell Stem Cell.* 2022 Jan 6;29(1):101-115.e10. doi: 10.1016/j.stem.2021.09.004. Epub 2021 Sep 27. PMID: 34582804; PMCID: PMC8741647.

Wingo M, Rafii S. Endothelial reprogramming for vascular regeneration: Past milestones and future directions. *Semin Cell Dev Biol.* 2022 Feb;122:50-55. doi: 10.1016/j.semdb.2021.09.003. Epub 2021 Sep 20. PMID: 34548212.

Rheumatology

Chalhoub NE, Wenderfer SE, Levy DM, Rouster-Stevens K, Aggarwal A, Savani SI, Ruth NM, Arkachaisri T, Qiu T, Merritt A, Onel K, Goilav B, Khubchandani RP, Deng J, Fonseca AR, Ardoin SP, Ciurtin C, Kasapcopur O, Jelusic M, Huber AM, Ozen S, Klein-Gitelman MS, Appenzeller S, Cavalcanti A, Fotis L, Lim SC, Silva RM, Miramontes JR, Rosenwasser NL, Saad-Magalhaes C, Schonenberg-Meinema D, Scott C, Silva CA, Enciso S, Terreri MT, Torres-Jimenez AR, Trachana M, Al-Mayouf SM, Devarajan P, Huang B, Brunner HI; Childhood Arthritis and Rheumatology Research Alliance Lupus Nephritis Work Group and the Pediatric Rheumatology European Society Lupus Working Party. International Consensus for the Dosing of Corticosteroids in Childhood-Onset Systemic Lupus Erythematosus With Proliferative Lupus Nephritis. *Arthritis Rheumatol*. 2022 Feb;74(2):263-273. doi: 10.1002/art.41930. Epub 2022 Jan 4. PMID: 34279063; PMCID: PMC8766607.

Ghosh N, Postow M, Zhu C, Jannat-Khah D, Li QZ, Vitone G, Chan KK, Bass AR. Lower baseline autoantibody levels are associated with immune-related adverse events from immune checkpoint inhibition. *J Immunother Cancer*. 2022 Jan;10(1):e004008. doi: 10.1136/jitc-2021-004008. PMID: 35091456; PMCID: PMC8804686.

Sevim E, Zisa D, Andrade D, Sciascia S, Pengo V, Tektonidou MG, Ugarte A, Gerosa M, Belmont HM, Zamorano MAA, Fortin PR, Ji L, Efthymiou M, Cohen H, Branch DW, de Jesus GR, Andreoli L, Petri M, Rodriguez E, Cervera R, Knight JS, Atsumi T, Willis R, Roubey R, Bertolaccini ML, Erkan D, Barbhaiya M; APS ACTION Investigators. Characteristics of Patients With Antiphospholipid Antibody Positivity in the APS ACTION International Clinical Database and Repository. *Arthritis Care Res (Hoboken)*. 2022 Feb;74(2):324-335. doi: 10.1002/acr.24468. PMID: 32986935.

Suzanne Ross

Associate Director of Communications
Weill Department of Medicine
Weill Cornell Medical College
suross@med.cornell.edu
