

# Weill Cornell Medicine Joan and Sanford I. Weill Department of Medicine What's New In Medicine



Newsletter 

■ May 2018

What's New in Medicine, the bimonthly 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.

# Message from the Chair



On April 24, 2018, the NewYork-Presbyterian Hospital held opening ceremonies for the newly constructed David H. Koch Center. Located on York Avenue, the Center officially opened its doors to patients on April 30<sup>th</sup>. This elegant and state-of-the-art ambulatory care center has afforded an outstanding opportunity for the Weill Department of Medicine and our patients. Three of our department's divisions will be providing patient care in the Koch building: Hematology and Medical Oncology; Gastroenterology and Hepatology; and Integrative Medicine, a Section of General Internal Medicine.

The Division of Hematology and Medical Oncology's Breast Center has opened on the 4th floor, where it is carrying out interdisciplinary patient care with the Departments of

Radiation Oncology and Surgery. The Division of Gastroenterology and Hepatology has moved clinical programs in General GI, Advanced Endoscopy, and Inflammatory Bowel Disease (IBD) to the 9th floor (where interdisciplinary care with the Department of Surgery will be available), and 11 new high-tech endoscopy suites have opened in the building. Patient care activities for the Division of Hematology and Medical Oncology and the Division of Gastroenterology and Hepatology are well underway. In June, Integrative Medicine, Division of General Internal Medicine, will move into the building.

We owe great thanks to the administrative and physician teams in Gastroenterology and Hepatology and in Hematology and Medical Oncology who made these moves possible and ensured that patient care was up and running on the first day that the David H. Koch Center opened its doors.

Lastly, if you have not yet had the opportunity to visit the David H. Koch Center building to see it from the inside, I would encourage you to do so.

Tony

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



Paula Goldstein, Administrator, Division of Hematology and Medical Oncology (seated far right) with her administrative team



Debbie Dimanche, Administrator, Division of Gastroenterology and Hepatology (standing far left) with her administrative team.

# News



# Dr. Leonard Receives Honorary Fellowship Award from the Weill Cornell Medical College Alumni Association

This award recognizes faculty members whose scholarship, dedication, and leadership have greatly enriched the life of the Medical College, its faculty and its students. Read more

# Health Equity Symposium Attracts Distinguished Support from the Medical and Tech Communities

The symposium addressed the full spectrum of health equity, from clinical research and basic sciences, to building academic community partnerships in support of scholarly projects. Read more

## **News Flashes**

- The WDOM congratulates Dr. Julianne Imperato-McGinley, Chief, Division of Endocrinology, Diabetes, and Metabolism, on the renewal of her CTSC grant. Dr. Imperato-McGinley serves as the Associate Dean for Translational Research and Education and is the Director and Principal Investigator of the CTSC at Weill Cornell Medicine. In recognition of her extraordinary service and her superb work as an investigator -- with more than 25 years of NIH funding -- a celebration was held in the Griffis Faculty Club on March 1, 2018. The event was hosted by Dr. Augustine M.K. Choi, Dean, Weill Cornell Medical College, and attended by Dr. Imperato-McGinley's staff and colleagues from Weill Cornell.
- Dr. Daniel W. Fitzgerald, Professor of Medicine, Division of Infectious Diseases, was elected to the American Association of Physicians! The WDOM congratulates Dr. Fitzgerald on this achievement and on his outstanding work as a physician, investigator, and educator in the field of infectious diseases and global heath.
- Dr. Chiti Parikh, Assistant Professor of Medicine, Division of General Internal Medicine, received a NewYork State Proclamation in honor of her outstanding work in the field of Integrative Health Medicine. The Proclamation was sent to the Weill Department of Medicine from David I. Weprin, Member of Assembly, New York State 24th District. As an Integrative Medicine practitioner, Dr. Parikh is focused on a holistic approach to care that addresses not only physical, but also psychological, social, spiritual and environmental influences on health.
- Dr. Peter Kennel, a resident in the Internal Medicine Residency Training Program, has received the Dean's Diversity and Healthcare Disparity Research Award. A special reception announcing the award was held on April 23, 2018. The WDOM congratulates Dr. Kennel on this achievement and notes that the award will help to support a research project he is working on with Dr. Parag Goyal, Assistant Professor of Medicine, Division of General Internal Medicine.

# Research Paper Highlights

### Cardiology

Feldman DN, Armstrong EJ, Aronow HD, Gigliotti OS, Jaff MR, Klein AJ, Parikh SA, Prasad A, Rosenfield K, Shishehbor MH, Swaminathan RV, White CJ. SCAI consensus guidelines for device selection in femoral-popliteal arterial interventions. Catheter Cardiovasc Interv. 2018 Apr 24. doi: 10.1002/ccd.27635. [Epub ahead of print] PubMed PMID: 29691970.

### **Emergency Medicine**

Rosen T, Mehta-Naik N, Elman A, Mulcare MR, Stern ME, Clark S, Sharma R, LoFaso VM, Breckman R, Lachs M, Needell N. Improving Quality of Care in Hospitals for Victims of Elder Mistreatment: Development of the Vulnerable Elder Protection Team. Jt Comm J Qual Patient Saf. 2018 Mar;44(3):164-171. doi: 10.1016/j.jcjq.2017.08.010. Epub 2018 Feb 13. PubMed PMID: 29499813; PubMed Central PMCID: PMC5899614.

Greenwald PW, Hsu H, Sharma R. Planning for Future Disasters: Telemedicine as a Resource. Ann Emerg Med. 2018 Mar;71(3):435-436. doi: 10.1016/j.annemergmed.2017.10.031. PubMed PMID: 29458811.

Farmer BM, Hayes BD, Rao R, Farrell N, Nelson L. The Role of Clinical Pharmacists in the Emergency Department. J Med Toxicol. 2018 Mar;14(1):114-116. doi: 10.1007/s13181-017-0634-4. Epub 2017 Oct 26. PubMed PMID: 29075954.

### **Gastroenterology & Hepatology**

Shen NT, Schneider Y, Congly SE, Rosenblatt RE, Namn Y, Fortune BE, Jesudian A, Brown RS Jr.. Cost-Effectiveness of Early Insertion of Transjugular Intrahepatic Portosystemic Shunts for Recurrent Ascites. Clin Gastroenterol Hepatol. 2018 Mar 30. pii: S1542-3565(18)30324-0. doi: 10.1016/j.cgh.2018.03.027. [Epub ahead of print] PubMed PMID: 29609068.

Wei X, Calvo-Vidal MN, Chen S, Wu G, Revuelta MV, Sun J, Zhang J, Walsh MF, Nichols KE, Joseph V, Snyder C, Vachon CM, McKay JD, Wang SP, Jayabalan DS, Jacobs LM, Becirovic D, Waller RG, Artomov M, Viale A, Patel J, Phillip JM, Chen-Kiang S, Curtin K, Salama M, Atanackovic D, Niesvizky R, Landgren O, Slager SL, Godley LA, Churpek J, Garber JE, Anderson KC, Daly MJ, Roeder RG, Dumontet C, Lynch HT, Mullighan CG, Camp NJ, Offit K, Klein RJ, Yu H, Cerchietti L, Lipkin SM. Germline mutations in lysine specific demethylase 1 (LSD1/KDM1A) confer susceptibility to multiple myeloma. Cancer Res. 2018 Mar 20. pii: canres.1900.2017. doi: 10.1158/0008-5472.CAN-17-1900. [Epub ahead of print] PubMed PMID: 29559475.

Desai A, Alves-Bezerra M, Li Y, Ozdemir C, Bare CJ, Li Y, Hagen SJ, Cohen DE. Regulation of fatty acid trafficking in liver by thioesterase superfamily member 1. J Lipid Res. 2018 Feb;59(2):368-379. doi: 10.1194/jlr.M081455. Epub 2017 Dec 5. PubMed PMID: 29208699; PubMed Central PMCID: PMC5794430.

Moriyama S, Brestoff JR, Flamar AL, Moeller JB, Klose CSN, Rankin LC, Yudanin NA, Monticelli LA, Putzel GG, Rodewald HR, Artis D.  $\beta(2)$ -adrenergic receptor-mediated negative regulation of group 2 innate lymphoid cell responses. Science. 2018 Mar 2;359(6379):1056-1061. doi: 10.1126/science.aan4829. PubMed PMID: 29496881. [Dr. Artis Lab]

### **Infectious Diseases**

Li K, Vorkas CK, Chaudhry A, Bell DL, Willis RA, Rudensky A, Altman JD, Glickman MS, Aubé J. Synthesis, stabilization, and characterization of the MR1 ligand precursor 5-amino-6-D-ribitylaminouracil (5-A-RU). PLoS One. 2018 Feb 5;13(2):e0191837. doi: 10.1371/journal.pone.0191837. eCollection 2018. PubMed PMID: 29401462; PubMed Central PMCID: PMC5798775.

Negri A, Javidnia P, Mu R, Zhang X, Vendome J, Gold B, Roberts J, Barman D, Ioerger T, Sacchettini JC, Jiang X, Burns-Huang K, Warrier T, Ling Y, Warren JD, Oren DA, Beuming T, Wang H, Wu J, Li H, Rhee KY, Nathan CF, Liu G, Somersan-Karakaya S. Identification of a Mycothiol-Dependent Nitroreductase from Mycobacterium tuberculosis. ACS Infect Dis. 2018 Feb 21. doi: 10.1021/acsinfecdis.7b00111. [Epub ahead of print] PubMed PMID: 29465985.

Salsgiver E, Bernstein D, Simon MS, Eiras DP, Greendyke W, Kubin CJ, Mehta M, Nelson B, Loo A, Ramos LG, Jia H, Saiman L, Furuya EY, Calfee DP. Knowledge, Attitudes, and Practices Regarding Antimicrobial Use and Stewardship Among Prescribers at Acute-Care Hospitals. Infect Control Hosp Epidemiol. 2018 Mar;39(3):316-322. doi: 10.1017/ice.2017.317. Epub 2018 Feb 6. PubMed PMID: 29402339.

Li KT, Naik S, Alexander M, Mathad JS. Screening and diagnosis of gestational diabetes in India: a systematic review and meta-analysis. Acta Diabetol. 2018 Mar 26. doi: 10.1007/s00592-018-1131-1. [Epub ahead of print] PubMed PMID: 29582160. [Center for Global Health]

### **Medical Ethics**

Fins JJ. Mosaic Decisionmaking and Reemergent Agency after Severe Brain Injury. Camb Q Healthc Ethics. 2018 Jan;27(1):163-174. doi: 10.1017/S0963180117000329. Epub 2017 Sep 18. PubMed PMID: 28918755.

Real de Asúa D, Rodriguez Del Pozo P, Fins JJ. The internist as clinical ethics consultant: An antidote to "the barbarism of specialisation" in hospital practice. Rev Clin Esp. 2018 Apr;218(3):142-148. doi: 10.1016/j.rce.2017.09.005. Epub 2017 Oct 25. English, Spanish. PubMed PMID: 29079198.

Wright MS, Kraft C, Ulrich MR and Fins JJ. Disorders of Consciousness, Agency, and Health Care Decision Making: Lessons From a Developmental Model, AJOB Neuroscience, 2018;9:1, 56-64. doi: 10.1080/21507740.2018.1425755

### **Nephrology & Hypertension**

Ryter SW, Bhatia D, Choi ME. Autophagy: A Lysosome-Dependent Process with Implications in Cellular Redox Homeostasis and Human Disease. Antioxid Redox Signal. 2018 Mar 28. doi: 10.1089/ars.2018.7518. [Epub ahead of print] PubMed PMID: 29463101.

Taheri S, Asim M, Al Malki H, Fituri O, Suthanthiran M, August P; IDEAL-2 Study Team. Intervention using vitamin D for elevated urinary albumin in type 2 diabetes mellitus (IDEAL-2 Study): study protocol for a randomised controlled trial. Trials. 2018 Apr 17;19(1):230. doi: 10.1186/s13063-018-2616-5. PubMed PMID: 29665833; PubMed Central PMCID: PMC5905112.

Thareja G, Yang H, Hayat S, Mueller FB, Lee JR, Lubetzky M, Dadhania DM, Belkadi A, Seshan SV, Suhre K, Suthanthiran M, Muthukumar T. Single Nucleotide Variant Counts Computed from RNA Sequencing and Cellular Traffic into Human Kidney Allografts. Am J Transplant. 2018 Apr 16. doi: 10.1111/ajt.14870. [Epub ahead of print] PubMed PMID: 29659169.

### **Public Health**

Gallinaro A, Borghi M, Bona R, Grasso F, Calzoletti L, Palladino L, Cecchetti S, Vescio MF, Macchia D, Morante V, Canitano A, Temperton N, Castrucci MR, Salvatore M, Michelini Z, Cara A, Negri D. Integrase Defective Lentiviral Vector as a Vaccine Platform for Delivering Influenza Antigens. Front Immunol. 2018 Feb 5;9:171. doi: 10.3389/fimmu.2018.00171. eCollection 2018. PubMed PMID: 29459873; PubMed Central PMCID: PMC5807328.

Zhou B, Deng YM, Barnes JR, Sessions OM, Chou TW, Wilson M, Stark TJ, Volk M, Spirason N, Halpin RA, Kamaraj US, Ding T, Stockwell TB, Salvatore M, Ghedin E, Barr IG, Wentworth DE. Multiplex Reverse Transcription-PCR for Simultaneous Surveillance of Influenza A and B Viruses. J Clin Microbiol. 2017 Dec;55(12):3492-3501. doi: 10.1128/JCM.00957-17. Epub 2017 Oct 4. PubMed PMID: 28978683; PubMed Central PMCID: PMC5703814.

Bray JW, Aden B, Eggman AA, Hellerstein L, Wittenberg E, Nosyk B, Stribling JC, Schackman BR. Quality of life as an outcome of opioid use disorder treatment: A systematic review. J Subst Abuse Treat. 2017 May;76:88-93. doi: 10.1016/j.jsat.2017.01.019. Epub 2017 Feb 10. Review. PubMed PMID: 28190543; PubMed Central PMCID: PMC5402314.

### Rheumatology

Manni M, Gupta S, Ricker E, Chinenov Y, Park SH, Shi M, Pannellini T, Jessberger R, Ivashkiv LB, Pernis AB. Regulation of age-associated B cells by IRF5 in systemic autoimmunity. Nat Immunol. 2018 Apr;19(4):407-419. doi: 10.1038/s41590-018-0056-8. Epub 2018 Feb 26. PubMed PMID: 29483597.

Orange DE, Agius P, DiCarlo EF, Robine N, Geiger H, Szymonifka J, McNamara M, Cummings R, Andersen KM, Mirza S, Figgie M, Ivashkiv LB, Pernis AB, Jiang CS, Frank MO, Darnell RB, Lingampali N, Robinson WH, Gravallese E; Accelerating Medicines Partnership in Rheumatoid Arthritis and Lupus Network, Bykerk VP, Goodman SM, Donlin LT. Identification of Three Rheumatoid Arthritis Disease Subtypes by Machine Learning Integration of Synovial Histologic Features and RNA Sequencing Data. Arthritis Rheumatol. 2018 May;70(5):690-701. doi: 10.1002/art.40428. Epub 2018 Apr 2. PubMed PMID: 29468833.

Kim MY, Guerra MM, Kaplowitz E, Laskin CA, Petri M, Branch DW, Lockshin MD, Sammaritano LR, Merrill JT, Porter TF, Sawitzke A, Lynch AM, Buyon JP, Salmon JE. Complement activation predicts adverse pregnancy outcome in patients with systemic lupus erythematosus and/or antiphospholipid antibodies. Ann Rheum Dis. 2018 Apr;77(4):549-555. doi: 10.1136/annrheumdis-2017-212224. Epub 2018 Jan 25. PubMed PMID: 29371202.

To submit information <u>for consideration</u> for future newsletters, please contact:

**Suzanne Ross** 

Associate Director of Communications Weill Department of Medicine Weill Cornell Medical College <a href="mailto:suros@med.cornell.edu">suross@med.cornell.edu</a>