



Weill Cornell Medicine

Joan and Sanford I. Weill Department of Medicine

What's New In Medicine

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

Message from the Chair



The Weill Department of Medicine is the largest academic department at Weill Cornell Medicine and is spread over many locations, including a wide variety of clinical, research, and educational spaces. Given the pace of our work, it is often hard to bring the department together logistically. Certainly, our shared purpose and missions bring us together, but to do so physically has its challenges. To enhance unity for the department, there will be a series of town halls in the upcoming months in which each of our missions will be reviewed. Please look for the announcements of the dates in the near future.

Another opportunity to bring the department together is through Medical Grand Rounds held on Wednesday mornings. This year's series is outstanding and will host a wide variety of speakers from Weill Cornell Medicine and from across the country. I hope you will try to attend as many as possible. I look forward to seeing you there.

Tony

Anthony Hollenberg, M.D.

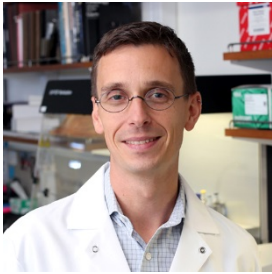
Sanford I. Weill Chair

News



WDOM Annual Report Available Live on Website

The department's annual report publication, reflecting activities during calendar year 2017, has been posted on the WDOM homepage. Coinciding with the arrival of the WDOM's newly appointed Chair, Dr. Anthony Hollenberg, the report highlights news covering the department's tripartite mission of clinical care, research, and education. It was a banner year for advances on all fronts!



New Recruit and New Science on HIV-AIDS: Cure and Vaccine

Newly recruited from George Washington University to the Division of Infectious Diseases, Dr. Brad Jones is a nationally and internationally recognized authority in the field of HIV-AIDS. [Read more](#)



New Clinic Launched in Division of Pulmonary and Critical Care Medicine

Experts in intensive care will see patients in follow-up after an ICU admission. This practice will focus on ensuring ICU survivors have everything they need to allow their fullest recovery. [Read more](#)



Dr. Gudi Appointed Vice Chair of Education in the Weill Department of Medicine

Dr. Gudi will oversee a broad range of training programs and will work closely with the Department to advance its educational mission in furthering faculty development. [Read more](#)



Dr. Brown Appointed Vice Chair for Mentorship and Academic Development

In his new role, Dr. Brown will continue to provide expertise as a Clinical Director while developing programs in faculty development across all of the department's missions. [Read more](#)



Dr. Salmon Named Honorary Member of the European League Against Rheumatism (EULAR)

Dr. Salmon has been at the forefront of research in rheumatic disease, particularly systemic lupus erythematosus, for several decades. [Read more](#)



Residency Diversity Open House: A Successful Make Your Match

Medical students got to participate in mock residency interviews, meet top experts in a wide range of medical fields, and learn about the career paths of former Weill Cornell residents. [Read more](#)



Dr. Positano Authors Go-to-Resource on Foot and Ankle Medicine and Surgery

Dr. Rock G. Positano has authored a new book targeted to medical professionals in the field of foot and ankle orthopedics and medicine. The new book is part of a highly successful “Pocket Series” of medical specialty notebooks. [Read more](#)

News Flashes

- Congratulatory letters were sent from Martha E. Pollack, President of Cornell University, to the following recipients regarding their recent promotions: Dr. Susan C. Ball to Professor of Clinical Medicine, Division of Infectious Diseases; Dr. Samuel T. Merrick to Professor of Clinical Medicine, Division of Infectious Diseases; and Dr. Reem Z. Sharaiha to Associate Professor of Medicine, Division of Gastroenterology and Hepatology

Research Paper Highlights

Cardiology

A Kumar, N Barman, J Lurie, H He, M Goldman, MD, SA McCullough, MD. Development of a Point-Of-Care Cardiovascular Ultrasound Program for Preclinical Medical Students. *Journal of the American Society of Echocardiography*. Published online: July 7, 2018 (Article in Press, <https://doi.org/10.1016/j.echo.2018.05.008>)

Endocrinology, Diabetes & Metabolism

Shukla AP, Dickison M, Coughlin N, Karan A, Mauer E, Troung W, Casper A, Emiliano A, Kumar RB, Saunders K, Igel L, Aronne LJ. The impact of food order on postprandial glycemic excursions in prediabetes. *Diabetes Obes Metab*. 2018 Aug 12. doi: 10.1111/dom.13503. [Epub ahead of print] PubMed PMID: 30101510. **[Comprehensive Weight Control Center]**

Gastroenterology & Hepatology

Hajifathalian K, Torabi Sagvand B, McCullough AJ. Effect of alcohol consumption on survival in non-alcoholic fatty liver disease: a national prospective cohort study. *Hepatology*. 2018 Aug 19. doi: 10.1002/hep.30226. [Epub ahead of print] PubMed PMID: 30125379.

Kim M, Galan C, Hill AA, Wu WJ, Fehlner-Peach H, Song HW, Schady D, Bettini ML, Simpson KW, Longman RS, Littman DR, Diehl GE. Critical Role for the Microbiota in CX(3)CR1(+) Intestinal Mononuclear Phagocyte Regulation of Intestinal T Cell Responses. *Immunity*. 2018 Jul 17;49(1):151-163.e5. doi: 10.1016/j.immuni.2018.05.009. Epub 2018 Jul 3. PubMed PMID: 29980437; PubMed Central PMCID: PMC6051886.

Chu C, Moriyama S, Li Z, Zhou L, Flamar AL, Klose CSN, Moeller JB, Putzel GG, Withers DR, Sonnenberg GF, Artis D. Anti-microbial Functions of Group 3 Innate Lymphoid Cells in Gut-Associated Lymphoid Tissues Are Regulated by G-Protein-Coupled Receptor 183. *Cell Rep*. 2018 Jun 26;23(13):3750-3758. doi: 10.1016/j.celrep.2018.05.099. PubMed PMID: 29949760.

Rankin LC, Artis D. Beyond Host Defense: Emerging Functions of the Immune System in Regulating Complex Tissue Physiology. *Cell*. 2018 Apr 19;173(3):554-567. doi: 10.1016/j.cell.2018.03.013. Review. PubMed PMID: 29677509. **[Dr. Artis Lab]**

General Internal Medicine

Goyal P, Almarzooq ZI, Cheung J, Kamel H, Krishnan U, Feldman DN, Horn EM, Kim LK. Atrial fibrillation and heart failure with preserved ejection fraction: Insights on a unique clinical phenotype from a nationally-representative United States cohort. *Int J Cardiol*. 2018 Sep 1;266:112-118. doi: 10.1016/j.ijcard.2018.02.007. PubMed PMID: 29887426.

Kern LM, Seirup JK, Rajan M, Jawahar R, Miranda Y, Stuard SS. Extent of Health Care Fragmentation in Different Payer Populations: Evidence from the Hudson Valley of New York. *Popul Health Manag*. 2018 Aug 16. doi: 10.1089/pop.2018.0073. [Epub ahead of print] PubMed PMID: 30113261.

Deschamps MM, Jannat-Khah D, Rouzier V, Bonhomme J, Pierrot J, Lee MH, Abrams E, Pape J, McNairy ML. Fifteen years of HIV and syphilis outcomes among a prevention of mother-to-child transmission program in Haiti: from monotherapy to Option B. *Trop Med Int Health*. 2018 Jul;23(7):724-737. doi: 10.1111/tmi.13075. Epub 2018 Jun 14. PubMed PMID: 29779260.

Geriatrics & Palliative Medicine

Trevino KM, Canin B, Healy C, Moran S, Trochim WM, Martin P, Pillemer K, Sirey JA, Reid MC. Bridging the Gap Between Aging Research and Practice: A New Strategy for Enhancing the Consensus Workshop Model. *J Appl Gerontol*. 2018 Jul 30;733464818791433. doi: 10.1177/0733464818791433. [Epub ahead of print] PubMed PMID: 30058433.

Luth EA, Prigerson HG. Unintended harm? Race differences in the relationship between advance care planning and psychological distress at the end-of-life. *J Pain Symptom Manage*. 2018 Aug 7. pii: S0885-3924(18)30398-1. doi: 10.1016/j.jpainsymman.2018.08.001. [Epub ahead of print] PubMed PMID: 30096438.

Phongtankuel V, Shalev A, Adelman RD, Dewald R, Dignam R, Baughn R, Prigerson HG, Teresi J, Czaja SJ, Reid MC. Mobile Health Technology Is Here-But Are Hospice Informal Caregivers Receptive? *Am J Hosp Palliat Care*. 2018 Jan 1;1049909118779018. doi: 10.1177/1049909118779018. [Epub ahead of print] PubMed PMID: 29862851.

Hematology & Medical Oncology

Puca L, Bareja R, Prandi D, Shaw R, Benelli M, Karthaus WR, Hess J, Sigouros M, Donoghue A, Kossai M, Gao D, Cyrta J, Sailer V, Vosoughi A, Pauli C, Churakova Y, Cheung C, Deonarine LD, McNary TJ, Rosati R, Tagawa ST, Nanus DM, Mosquera JM, Sawyers CL, Chen Y, Inghirami G, Rao RA, Grandori C, Elemento O, Sboner A, Demichelis F, Rubin MA, Beltran H. Patient derived organoids to model rare prostate cancer phenotypes. *Nat Commun*. 2018 Jun 19;9(1):2404. doi: 10.1038/s41467-018-04495-z. PubMed PMID: 29921838; PubMed Central PMCID: PMC6008438.

Apoorva F, Loiben AM, Shah SB, Purwada A, Fontan L, Goldstein R, Kirby BJ, Melnick AM, Cosgrove BD, Singh A. How Biophysical Forces Regulate Human B Cell Lymphomas. *Cell Rep*. 2018 Apr 10;23(2):499-511. doi: 10.1016/j.celrep.2018.03.069. PubMed PMID: 29642007; PubMed Central PMCID: PMC5965297.

Zafra MP, Schatoff EM, Katti A, Foronda M, Breinig M, Schweitzer AY, Simon A, Han T, Goswami S, Montgomery E, Thibado J, Kasthuber ER, Sánchez-Rivera FJ, Shi J, Vakoc CR, Lowe SW, Tschaharganeh DF, Dow LE. Optimized base editors enable efficient editing in cells, organoids and mice. *Nat Biotechnol*. 2018 Jul 3. doi: 10.1038/nbt.4194. [Epub ahead of print] PubMed PMID: 29969439.

Hematology & Medical Oncology

Puca L, Bareja R, Prandi D, Shaw R, Benelli M, Karthaus WR, Hess J, Sigouros M, Donoghue A, Kossai M, Gao D, Cyrta J, Sailer V, Vosoughi A, Pauli C, Churakova Y, Cheung C, Deonarine LD, McNary TJ, Rosati R, Tagawa ST, Nanus DM, Mosquera JM, Sawyers CL, Chen Y, Inghirami G, Rao RA, Grandori C, Elemento O, Sboner A, Demichelis F, Rubin MA, Beltran H. Patient derived organoids to model rare prostate cancer phenotypes. *Nat Commun*. 2018 Jun 19;9(1):2404. doi: 10.1038/s41467-018-04495-z. PubMed PMID: 29921838; PubMed Central PMCID: PMC6008438.

Apoorva F, Loiben AM, Shah SB, Purwada A, Fontan L, Goldstein R, Kirby BJ, Melnick AM, Cosgrove BD, Singh A. How Biophysical Forces Regulate Human B Cell Lymphomas. *Cell Rep*. 2018 Apr 10;23(2):499-511. doi: 10.1016/j.celrep.2018.03.069. PubMed PMID: 29642007; PubMed Central PMCID: PMC5965297.

Zafra MP, Schatoff EM, Katti A, Foronda M, Breinig M, Schweitzer AY, Simon A, Han T, Goswami S, Montgomery E, Thibado J, Kasthuber ER, Sánchez-Rivera FJ, Shi J, Vakoc CR, Lowe SW, Tschaharganeh DF, Dow LE. Optimized base editors enable efficient editing in cells, organoids and mice. *Nat Biotechnol*. 2018 Jul 3. doi: 10.1038/nbt.4194. [Epub ahead of print] PubMed PMID: 29969439.

Infectious Diseases

Ellsworth GB, Lensing SY, Ogilvie CB, Lee JY, Goldstone SE, Berry-Lawhorn JM, Jay N, Stier EA, Logan JS, Einstein MH, Saah A, Mitsuyasu RT, Aboulaflia D, Palefsky JM, Wilkin TJ. A delayed dose of quadrivalent human papillomavirus vaccine demonstrates immune memory in HIV-1-infected men. *Papillomavirus Res.* 2018 May 26;6:11-14. doi: 10.1016/j.pvr.2018.05.001. [Epub ahead of print] PubMed PMID: 29807211.

Glesby MJ, Hanna DB, Hoover DR, Shi Q, Yin MT, Tien PC, Cohen M, Anastos K, Sharma A. Abdominal fat depots, insulin resistance, and incident diabetes mellitus in women with and without HIV infection. *AIDS.* 2018 Jul 31;32(12):1643-1650. doi: 10.1097/QAD.0000000000001873. PubMed PMID: 29794830; PubMed Central PMCID: PMC6084460.

Sfeir MM, Schuetz A, Van Besien K, Borczuk AC, Soave R, Jenkins SG, Walsh TJ, Small CB. Mycobacterial spindle cell pseudotumour: epidemiology and clinical outcomes. *J Clin Pathol.* 2018 Jul;71(7):626-630. doi: 10.1136/jclinpath-2017-204777. Epub 2018 Jan 24. Review. PubMed PMID: 29367301.

Dupnik KM, Bean JM, Lee MH, Jean Juste MA, Skrabanek L, Rivera V, Vorkas CK, Pape JW, Fitzgerald DW, Glickman M. Blood transcriptomic markers of Mycobacterium tuberculosis load in sputum. *Int J Tuberc Lung Dis.* 2018 Aug 1;22(8):950-958. doi: 10.5588/ijtld.17.0855. PubMed PMID: 29991407. **[Center for Global Health]**

Medical Ethics

Fins JJ, Bernat JL. Ethical, Palliative, and Policy Considerations in Disorders of Consciousness. *Published in: Arch Phys Med Rehabil.* 2018 Aug 7. pii: S0003-9993(18)30460-X. doi: 10.1016/j.apmr.2018.07.003. [Epub ahead of print] PubMed PMID: 30098790

Neurology. 2018 Aug 8. pii: 10.1212/WNL.0000000000005927. doi: 10.1212/WNL.0000000000005927. [Epub ahead of print] Review. PubMed PMID: 30089621.

Wright MS, Varsava N, Ramirez J, Edwards K, Guevremont N, Ezer T and Fins JJ. Justice and Severe Brain Injury: Legal Remedies for a Marginalized Population. *Florida State University Law Review* 2018;45:313-382.

Bloch AM, Gabbay E, Knowlton SF, Fins JJ. Psychiatry, Cultural Competency, and the Care of Ultra-Orthodox Jews: Achieving Secular and Theocentric Convergence Through Introspection. *J Relig Health.* 2018 Aug 4. doi: 10.1007/s10943-018-0678-z. [Epub ahead of print] PubMed PMID: 30078155.

Nephrology & Hypertension

Lee JR, Magruder M, Zhang L, Westblade LF, Satlin MJ, Robertson A, Edusei E, Crawford C, Ling L, Taur Y, Schluter J, Lubetzky M, Dadhania D, Pamer E, Suthanthiran M. Gut microbiota dysbiosis and diarrhea in kidney transplant recipients. *Am J Transplant.* 2018 Jun 19. doi: 10.1111/ajt.14974. [Epub ahead of print] PubMed PMID: 29920927.

Trasino SE, Tang XH, Shevchuk MM, Choi ME, Gudas LJ. Amelioration of Diabetic Nephropathy Using a Retinoic Acid Receptor β 2 Agonist. *J Pharmacol Exp Ther.* 2018 Jul 27. pii: jpet.118.249375. doi: 10.1124/jpet.118.249375. [Epub ahead of print] PubMed PMID: 30054312.

Malha L, Sison CP, Helseth G, Sealey JE, August P. Renin-Angiotensin-Aldosterone Profiles in Pregnant Women With Chronic Hypertension. *Hypertension.* 2018 Aug;72(2):417-424. doi: 10.1161/HYPERTENSIONAHA.118.10854. Epub 2018 Jun 25. PubMed PMID: 29941520; PubMed Central PMCID: PMC6051425.

Pulmonology & Critical Care Medicine

Lee S, Nakahira K, Dalli J, Siempos II, Norris PC, Colas RA, Moon JS, Shinohara M, Hisata S, Howrylak JA, Suh GY, Ryter SW, Serhan CN, Choi AMK. NLRP3 Inflammasome Deficiency Protects against Microbial Sepsis via Increased Lipoxin B(4) Synthesis. *Am J Respir Crit Care Med*. 2017 Sep 15;196(6):713-726. doi: 10.1164/rccm.201604-0892OC. PubMed PMID: 28245134; PubMed Central PMCID: PMC5620673.

Cho SJ, Moon JS, Lee CM, Choi AM, Stout-Delgado HW. Glucose Transporter 1-Dependent Glycolysis Is Increased during Aging-Related Lung Fibrosis, and Phloretin Inhibits Lung Fibrosis. *Am J Respir Cell Mol Biol*. 2017 Apr;56(4):521-531. doi: 10.1165/rcmb.2016-0225OC. PubMed PMID: 27997810; PubMed Central PMCID: PMC5449513.

Lief L, Berlin DA, Maciejewski RC, Westman L, Su A, Cooper ZR, Ouyang DJ, Epping G, Derry H, Russell D, Gentzler E, Maciejewski PK, Prigerson HG. Dying Patient and Family Contributions to Nurse Distress in the ICU. *Ann Am Thorac Soc*. 2018 Aug 10. doi: 10.1513/AnnalsATS.201804-284OC. [Epub ahead of print] PubMed PMID: 30095978.

Rheumatology

Donlin LT, Rao DA, Wei K, Slowikowski K, McGeachy MJ, Turner JD, Meednu N, Mizoguchi F, Gutierrez-Arcelus M, Lieb DJ, Keegan J, Muskat K, Hillman J, Rozo C, Ricker E, Eisenhaure TM, Li S, Browne EP, Chicoine A, Sutherby D, Noma A; Accelerating Medicines Partnership RA/SLE Network, Nusbaum C, Kelly S, Pernis AB, Ivashkiv LB, Goodman SM, Robinson WH, Utz PJ, Lederer JA, Gravalles EM, Boyce BF, Hacohen N, Pitzalis C, Gregersen PK, Firestein GS, Raychaudhuri S, Moreland LW, Holers VM, Bykerk VP, Filer A, Boyle DL, Brenner MB, Anolik JH. Methods for high-dimensional analysis of cells dissociated from cryopreserved synovial tissue. *Arthritis Res Ther*. 2018 Jul 11;20(1):139. doi: 10.1186/s13075-018-1631-y. PubMed PMID: 29996944; PubMed Central PMCID: PMC6042350.

Ivashkiv LB. IFN γ : signalling, epigenetics and roles in immunity, metabolism, disease and cancer immunotherapy. *Nat Rev Immunol*. 2018 Jun 19. doi: 10.1038/s41577-018-0029-z. [Epub ahead of print] Review. PubMed PMID: 29921905.

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.

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