



Weill Cornell Medicine

Joan and Sanford I. Weill Department of Medicine

What's New In Medicine

Newsletter • March 2020



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



This newsletter's message comes at a very difficult time for everyone. The Covid-19 crisis has altered everything that we do. Our Department's response, and that of all of the other departments at NewYork-Presbyterian Hospital/Weill Cornell Medicine has been extraordinary. I would like to personally thank every member of our Department for their efforts at this time and in the weeks ahead. Through all of your work, I know we will be able to weather what lies ahead and ensure a successful outcome for all of our patients. The Department remains firmly committed to the well-being of all of our members and will be in close touch with all of you in the ensuing days. Again, thank you for everything you do.

Tony

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

News



Dr. Wilkin Appointed as a Principal Investigator on \$8.3 Million Grant from the NCI: HPV Clinical Trials

The grant will fund critical studies on HPV-related cancers in people living with HIV and will include clinical trials focused on two forms of cancer – oropharyngeal and cervical. [Read more](#)



Division of Geriatrics and Palliative Medicine Celebrates New Outpatient Primary Care Practice

The Center on Aging is a relocation of the Wright Center on Aging that had been located on First Avenue at 77th Street. The new Center is state-of-the-art, serene, and tailored to the needs of older adults and their caregivers. [Read more](#)



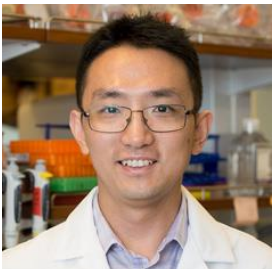
Empowering Educators: WDOM Hosts Educational Forum in Collaboration with The Academy for Teachers

Dr. Hollenberg gave a presentation on the function and impact of the thyroid, and Dr. Alonso presented an additional lecture on diabetes. The day's activities also included a Q&A and laboratory tour. [Read more](#)



Publication in *Cell Metabolism* Suggests Gut Microbiome Controls Blood Glucose Levels Through the Liver

The paper opens a new window on the control of blood glucose levels through the liver via gut microbiome. [Read more](#)



Dr. Guo Publishes Pivotal Paper in *Science* on Genome Editing of Gut Bacteria

The study has yielded breakthroughs to help illuminate a growing body of evidence that gut microbial metabolites play a critical role in mucosal immunity and inflammation. [Read more](#)



Dr. Tung Appointed to Associate Dean for Faculty Development at Weill Cornell Medicine

In her role as Associate Dean for Faculty Development, she will be providing the Office of Faculty Development with operational and strategic support. [Read more](#)



Targeting the Type 1 Interferon Pathway to Treat Lupus: Dr. Crow Provides Perspective in *Science*

Dr. Crow provided an analysis on new findings involving the overproduction of type 1 interferon in lupus. The research has yielded data on one of the mechanisms that might explain why interferon is being made in excess in lupus. [Read more](#)



The Challenges in Designing Clinical Trials for Lupus: Dr. Salmon Publishes Editorial in *NEJM*

The editorial notes that there is a challenge in designing clinical trials for lupus in terms of selection of outcomes instruments and suggests a remedy. [Read more](#)



Diversity Holiday Mixer Held at Griffis Faculty Club

The festive and extremely well-attended event included trainees, faculty, as well as Dr. Susana Morales, Vice Chair, Office of Diversity, and many other members of diversity leadership.

[Read more](#)

News Flashes

- **The WDOM congratulates Dr. Douglas Nixon**, Professor of Immunology in Medicine, Division of Infectious Diseases, on being elected to Fellowship in the American Academy of Microbiology. Academy Fellows are eminent leaders in the field of microbiology and are relied upon for authoritative advice and insight on critical issues in microbiology. [Read more](#)
- **A Message from the Division of Infectious Diseases:** The 5th Annual Women in Global Health Research Conference will be held on April 28, 2020, in New York City. Students/faculty are encouraged to submit abstracts for review! Information about abstract submission is on our [website](#) and accepted presentations will be awarded travel support.
- **Diversity Faculty Development Mentoring Circles Program Completes First Year!** To celebrate this landmark, WCM underrepresented minority faculty enjoyed an informal dinner with diversity leaders in attendance and remarks from Dr. Augustine M.K. Choi, Stephen and Suzanne Weiss Dean of Weill Cornell Medicine and Provost for Medical Affairs of Cornell University. [Read more](#)
- **Dr. Joseph J. Fins**, Chief, Division of Medical Ethics and The E. William Davis, Jr. M.D. Professor of Medical Ethics, was honored with The 38th David Barap Brin Lecture in Medical Ethics. Dr. Fins delivered his lecture, *Disorders of Consciousness, Diagnostics and Disability Rights: How Neuroscience has Transformed the Clinical Transaction*, at Johns Hopkins on February 6, 2020.
- Congratulations to the following WDOM physicians who recently received the following promotions and/or named titles: **Dr. Kathryn Dupnik**, Division of Infectious Diseases, Nan and Stephen Swid Research Scholar in Medicine; **Dr. R. Bradley (Brad) Jones**, Division of Infectious Diseases, Associate Professor of Immunology in Medicine; **Dr. Sebastian Alexander Mayer**, Division of Hematology and Medical Oncology, Associate Professor of Clinical Medicine; **Dr. Douglas Nixon**, Division of Infectious Diseases, Professor of Immunology in Medicine; and **Dr. Adrienne Phillips**, Division of Hematology and Medicinal Oncology, Associate Professor of Clinical Medicine.

Research Paper Highlights

Endocrinology, Diabetes & Metabolism

Schulte EM, Tuerk PW, Wadden TA, Garvey WT, Weiss D, Hermayer KL, Aronne LJ, Becker LE, Fujioka K, Miller-Kovach K, Kushner RF, Malcolm RJ, Raum WJ, Rost SL, Rubino DM, Sora ND, Veliko JL, O'Neil PM. Changes in weight control behaviors and hedonic hunger in a commercial weight management program adapted for individuals with type 2 diabetes. *Int J Obes (Lond)*. 2020 Jan 16. doi: 10.1038/s41366-020-0530-x. [Epub ahead of print] PubMed PMID: 31949295. **[Comprehensive Weight Control Center]**

Gerges MM, Rumalla K, Godil SS, Younus I, Elshamy W, Dobri GA, Kacker A, Tabae A, Anand VK, Schwartz TH. Long-term outcomes after endoscopic endonasal surgery for nonfunctioning pituitary macroadenomas. *J Neurosurg*. 2020 Jan 31:1-12. doi: 10.3171/2019.11.JNS192457. [Epub ahead of print] PubMed PMID: 32005016.

Gastroenterology & Hepatology

Michailidis E, Vercauteren K, Mancio-Silva L, Andrus L, Jahan C, Ricardo-Lax I, Zou C, Kabbani M, Park P, Quirk C, Pyrgaki C, Razooky B, Verhoye L, Zoluthkin I, Lu WY, Forbes SJ, Chiriboga L, Theise ND, Herzog RW, Suemizu H, Schneider WM, Shlomai A, Meuleman P, Bhatia SN, Rice CM, de Jong YP. Expansion, in vivo-ex vivo cycling, and genetic manipulation of primary human hepatocytes. *Proc Natl Acad Sci U S A*. 2020 Jan 21;117(3):1678-1688. doi: 10.1073/pnas.1919035117. Epub 2020 Jan 8. PubMed PMID: 31915293; PubMed Central PMCID: PMC6983380.

Rosenblatt R, Shen N, Tafesh Z, Cohen-Mekelburg S, Crawford CV, Kumar S, Lucero C, Brown RS Jr, Jesudian A, Fortune BE. The North American Consortium for the Study of End-Stage Liver Disease-Acute-on-Chronic Liver Failure Score Accurately Predicts Survival: An External Validation Using a National Cohort. *Liver Transpl*. 2020 Feb;26(2):187-195. doi: 10.1002/lt.25696. PubMed PMID: 31785079.

Ghosh G, Schnoll-Sussman F, Mathews S, Katz PO. Reported proton pump inhibitor side effects: what are physician and patient perspectives and behaviour patterns? *Aliment Pharmacol Ther*. 2020 Jan;51(1):121-128. doi: 10.1111/apt.15522. Epub 2019 Oct 30. PubMed PMID: 31664732.

General Internal Medicine

Pickett S, Burchenal CA, Haber L, Batten K, Phillips E. Understanding and effectively addressing disparities in obesity: A systematic review of the psychological determinants of emotional eating behaviours among Black women. *Obes Rev*. 2020 Feb 17. doi: 10.1111/obr.13010. [Epub ahead of print] Review. PubMed PMID: 32067355.

Andreae SJ, Andreae LJ, Richman JS, Cherrington AL, Safford MM. Peer-Delivered Cognitive Behavioral Training to Improve Functioning in Patients With Diabetes: A Cluster-Randomized Trial. *Ann Fam Med*. 2020 Jan;18(1):15-23. doi: 10.1370/afm.2469. PubMed PMID: 31937528.

Shapiro MF, Shu SB, Goldstein NJ, Victor RG, Fox CR, Tseng CH, Vangala S, Mogler BK, Reed SB, Villa E, Escarce JJ. Impact of a Patient-Centered Behavioral Economics Intervention on Hypertension Control in a Highly Disadvantaged Population: a Randomized Trial. *J Gen Intern Med*. 2020 Jan;35(1):70-78. doi: 10.1007/s11606-019-05269-z. Epub 2019 Sep 12. PubMed PMID: 31515735; PubMed Central PMCID: PMC6958561.

Walsh KF, McAulay K, Lee MH, Vilbrun SC, Mathurin L, Francois DJ, Zimmerman M, Kaya F, Zhang N, Saito K, Ocheretina O, Savic R, Dartois V, Johnson WD, Pape JW, Nathan C, Fitzgerald DW. Early bactericidal activity trial of nitazoxanide for pulmonary tuberculosis. *Antimicrob Agents Chemother*. 2020 Feb 18. pii: AAC.01956-19. doi: 10.1128/AAC.01956-19. [Epub ahead of print] PubMed PMID: 32071052. **[Center for Global Health]**

Geriatrics & Palliative Medicine

Derry HM, Lief L, Schenck EJ, Berlin DA, Prigerson HG. Peritraumatic Stress among Caregivers of Patients in the Intensive Care Unit. *Ann Am Thorac Soc*. 2020 Feb 18. doi: 10.1513/AnnalsATS.201908-647RL. [Epub ahead of print] PubMed PMID: 32068429.

Silva MD, Tsai S, Sobota RM, Abel BT, Reid MC, Adelman RD. Missed Opportunities When Communicating With Limited English-Proficient Patients During End-of-Life Conversations: Insights From Spanish-Speaking and Chinese-Speaking Medical Interpreters. *J Pain Symptom Manage*. 2020 Mar;59(3):694-701. doi: 10.1016/j.jpainsymman.2019.10.019. Epub 2019 Oct 25. PubMed PMID: 31669199.

Schulz R, Beach SR, Czaja SJ, Martire LM, Monin JK. Family Caregiving for Older Adults. *Annu Rev Psychol*. 2020 Jan 4;71:635-659. doi: 10.1146/annurev-psych-010419-050754. PubMed PMID: 31905111.

Hematology & Medical Oncology

Sternberg CN, Saad F, Graff JN, Peer A, Vaishampayan UN, Leung E, Rosenbaum E, Gurney H, Epstein RJ, Davis ID, Wu B, Trandafir L, Wagner VJ, Hussain M. A randomised phase II trial of three dosing regimens of radium-223 in patients with bone metastatic castration-resistant prostate cancer. *Ann Oncol*. 2020 Feb;31(2):257-265. doi: 10.1016/j.annonc.2019.10.025. Epub 2019 Dec 23. PubMed PMID: 31959342.

Mondello P, Tadros S, Teater M, Fontan L, Chang AY, Jain N, Yang H, Singh S, Ying HY, Chu CS, Ma MCJ, Toska E, Alig S, Durant M, de Stanchina E, Ghosh S, Mottok A, Nastoupil L, Neelapu SS, Weigert O, Inghirami G, Baselga J, Younes A, Yee C, Dogan A, Scheinberg DA, Roeder RG, Melnick AM, Green MR. Selective Inhibition of HDAC3 Targets Synthetic Vulnerabilities and Activates Immune Surveillance in Lymphoma. *Cancer Discov*. 2020 Mar;10(3):440-459. doi: 10.1158/2159-8290.CD-19-0116. Epub 2020 Jan 8. PubMed PMID: 31915197.

Salvador-Barbero B, Álvarez-Fernández M, Zapatero-Solana E, El Bakkali A, Menéndez MDC, López-Casas PP, Di Domenico T, Xie T, VanArsdale T, Shields DJ, Hidalgo M, Malumbres M. CDK4/6 Inhibitors Impair Recovery from Cytotoxic Chemotherapy in Pancreatic Adenocarcinoma. *Cancer Cell*. 2020 Feb 7. pii: S1535-6108(20)30046-5. doi: 10.1016/j.ccell.2020.01.007. [Epub ahead of print] PubMed PMID: 32109375.

Infectious Diseases

Mishra P, Colombe S, Paul N, Mlingi J, Tosiri I, Aristide C, Gao J, Kashangaki P, Nagai H, Kalluvya SE, de Dood CJ, Corstjens PL, Mngara J, van Dam GJ, Downs JA. Insufficiency of annual praziquantel treatment to control *Schistosoma mansoni* infections in adult women: A longitudinal cohort study in rural Tanzania. *PLoS Negl Trop Dis*. 2019 Nov 21;13(11):e0007844. doi: 10.1371/journal.pntd.0007844. eCollection 2019 Nov. PubMed PMID: 31751333; PubMed Central PMCID: PMC6894890. **[Center for Global Health]**

Petraitiene R, Petraitis V, Kavaliauskas P, Maung BBW, Khan F, Naing E, Aung T, Zigmantaite V, Grigaleviciute R, Kucinskas A, Stakauskas R, Georgiades BN, Mazur CA, Hayden JA, Satlin MJ, Walsh TJ. Pharmacokinetics and Efficacy of Ceftazidime-Avibactam in the Treatment of Experimental Pneumonia Caused by *Klebsiella pneumoniae* Carbapenemase-Producing *Klebsiella pneumoniae* (KPC-Kp) in Persistently Neutropenic Rabbits. *Antimicrob Agents Chemother*. 2020 Feb 3. pii: AAC.02157-19. doi: 10.1128/AAC.02157-19. [Epub ahead of print] PubMed PMID: 32015048.

Powell TR, Duarte RRR, Hotopf M, Hatch SL, de Mulder Rougvie M, Breen GD, Lewis CM, Nixon DF. The behavioral, cellular and immune mediators of HIV-1 acquisition: New insights from population genetics. *Sci Rep*. 2020 Feb 24;10(1):3304. doi: 10.1038/s41598-020-59256-0. PubMed PMID: 32094379; PubMed Central PMCID: PMC7039899.

Nephrology & Hypertension

Verma A, Muthukumar T, Yang H, Lubetzky M, Cassidy MF, Lee JR, Dadhania DM, Snopkowski C, Shankaranarayanan D, Salvatore SP, Sharma VK, Xiang JZ, De Vlaminck I, Seshan SV, Mueller FB, Suhre K, Elemento O, Suthanthiran M. Urinary cell transcriptomics and acute rejection in human kidney allografts. *JCI Insight*. 2020 Feb 27;5(4). pii: 131552. doi: 10.1172/jci.insight.131552. PubMed PMID: 32102984.

Zhang WZ, Rice MC, Hoffman KL, Oromendia C, Barjaktarevic IZ, Wells JM, Hastie AT, Labaki WW, Cooper CB, Comellas AP, Criner GJ, Krishnan JA, Paine R 3rd, Hansel NN, Bowler RP, Barr RG, Peters SP, Woodruff PG, Curtis JL, Han MK, Ballman KV, Martinez FJ, Choi AM, Nakahira K, Cloonan SM, Choi ME; SPIROMICS Investigators. Association of urine mitochondrial DNA with clinical measures of COPD in the SPIROMICS cohort. *JCI Insight*. 2020 Feb 13;5(3). pii: 133984. doi: 10.1172/jci.insight.133984. PubMed PMID: 31895696.

Burnham P, Gomez-Lopez N, Heyang M, Cheng AP, Lenz JS, Dadhania DM, Lee JR, Suthanthiran M, Romero R, De Vlaminck I. Separating the signal from the noise in metagenomic cell-free DNA sequencing. *Microbiome*. 2020 Feb 11;8(1):18. doi: 10.1186/s40168-020-0793-4. PubMed PMID: 32046792; PubMed Central PMCID: PMC7014780.

Rheumatology

Bykerk VP. A Call to Systematically Monitor for Adverse Events in Users of Low-Dose Methotrexate Therapy. *Ann Intern Med*. 2020 Feb 18. doi: 10.7326/M20-0435. [Epub ahead of print] PubMed PMID: 32066142.

Ivashkiv LB. The hypoxia-lactate axis tempers inflammation. *Nat Rev Immunol*. 2020 Feb;20(2):85-86. doi: 10.1038/s41577-019-0259-8. PubMed PMID: 31819164; PubMed Central PMCID: PMC7021227.

Sammaritano LR, Bermas BL, Chakravarty EE, Chambers C, Clowse MEB, Lockshin MD, Marder W, Guyatt G, Branch DW, Buyon J, Christopher-Stine L, Crow-Hercher R, Cush J, Druzin M, Kavanaugh A, Laskin CA, Plante L, Salmon J, Simard J, Somers EC, Steen V, Tedeschi SK, Vinet E, White CW, Yazdany J, Barbhaiya M, Bettendorf B, Eudy A, Jayatilleke A, Shah AA, Sullivan N, Tarter LL, Birru Talabi M, Turgunbaev M, Turner A, D'Anci KE. 2020 American College of Rheumatology Guideline for the Management of Reproductive Health in Rheumatic and Musculoskeletal Diseases. *Arthritis Rheumatol*. 2020 Feb 23. doi: 10.1002/art.41191. [Epub ahead of print] PubMed PMID: 32090480.

Suzanne Ross

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