

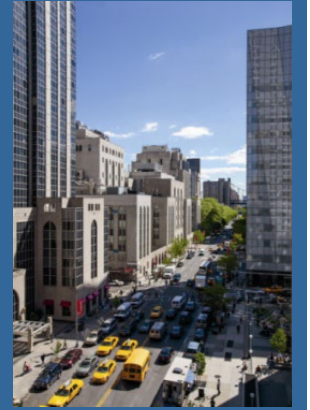


# Weill Cornell Medicine

## Joan and Sanford I. Weill Department of Medicine

### What's New In Medicine

Newsletter • September 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](mailto:suross@med.cornell.edu).*

## Message from the Interim Chair



It is a great pleasure and honor to begin my service as the Interim Chair of the Weill Department of Medicine. Over the last several years under the direction of Dr. Tony Hollenberg, the department forged numerous advances in clinical care, research, and education, as well as many diversity initiatives. We are greatly appreciative of Dr. Hollenberg for his leadership and lasting impact on us.

I am excited to work with all of the faculty, staff and trainees in my new role. As a member of the department as a trainee and faculty member for over 30 years, I am strongly committed to our collective success. We will make every effort to continue our progress in the many clinical, research and educational activities that are essential components of our mission. Personally, I look forward to interacting with those of you who I have not yet connected with and collaborating as we continue to tackle challenges and positively impact our field. In the coming months, I will be visiting with the various divisions of the WDOM, our trainees, and others among the diverse group that comprises our department. Please feel free to reach out to me directly if you have ideas or issues, and thank you for all of the important work that you do.

John P. Leonard, M.D.  
Chair (Interim), Weill Department of Medicine

# News



## **Led by Dr. Imperato-McGinley, the CTSC Receives \$61.9 Million Grant from NIH (NCATS)**

This award is the largest federal grant ever given to Weill Cornell Medicine and represents 20 years of continuous funding for the CTSC under Dr. Imperato-McGinley's direction. [Read more](#)



## **New Automated Screening Tool for Idiopathic Pulmonary Fibrosis (IPF) Utilizes Electronic Medical Records**

IPF, which causes progressive scarring of the lungs due to chronic lung inflammation, is usually fatal because it tends to be diagnosed late in the process when treatments are less effective.

[Read more](#)

## **New Directors at the Sandra and Edward Meyer Cancer Center**

Dr. Jedd Wolchok has been appointed as the Meyer Director of the Sandra and Edward Meyer Cancer Center and Dr. Taha Merghoub as Deputy Director. [Read more](#)



## **Dr. Glesby Appointed as WDOM's Vice Chair for Mentoring and Faculty Development**

Dr. Glesby will develop innovative new efforts to enhance the professional growth of faculty at all levels, and focus on positioning faculty for promotion and play a critical role in the integration of faculty from our other campuses. [Read more](#)

## **Paige McMillan Appointed as WDOM's Chief Administrative Officer Effective October 10, 2022**

Paige will direct administrative and business activities within the department, including finance, accounting, research administration, clinical operations, capital planning, academic appointments, and education. [Read more](#)



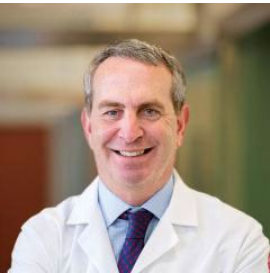
### **Dr. Sonnenberg and Colleagues Publish Key Finding in *Nature*: How Immune System Tolerates Friendly Gut Bacteria**

Building upon his laboratory's many discoveries centered around ILC3s, Dr. Gregory Sonnenberg has published another breakthrough in *Nature* (September 7, 2022). [Read more](#)



### **Dr. Iliev Publishes Key Finding on Fungal Species in Tumors in *Cell***

The breakthrough research holds promise for developing diagnostic tests for the prediction of cancer progression and therapy. [Read more](#)



### **Dr. Hollenberg Presents Departmental Advances at Grand Rounds: Clinical Care, Research, Education**

In his last presentation at Medicine Grand Rounds, Dr. Hollenberg provided a slideshow of the many advances within WDOM. Dr. Hollenberg stepped down as Chair of the WDOM as of September 30, 2022. [Read more](#)

## **News Flashes**

- Congratulations to WDOM faculty who recently received a promotion:  
**Alicia Livia Alonso, Ph.D.**, Associate Professor of Molecular Biology Research in Medicine, Division of Hematology and Medical Oncology  
**Ezra Gabbay, M.D.**, Associate Professor of Clinical Medicine, Division of General Internal Medicine  
**John Richard Lee, M.D.**, Associate Professor of Medicine, Division of Nephrology and Hypertension  
**Kapil Kanayalal Rajwani, M.D.**, Associate Professor of Clinical Medicine, Division of Pulmonary and Critical Care Medicine  
**Mirella Salvatore, M.D.**, Associate Professor of Medicine, Division of Public Health Programs  
**Alpana Shukla, M.B.,B.S., M.D.**, Associate Professor of Research in Medicine, Division of Endocrinology, Diabetes and Metabolism

- The WDOM congratulates **Dr. Michelle Loy** on being accepted into the 2022-2023 LAMP Program (Leadership in Academic Medicine Program) at Weill Cornell Medicine. [Dr. Loy](#), Assistant Professor of Pediatrics in Clinical Medicine, Division of General Internal Medicine, WDOM, is board certified in Integrative Medicine, Lifestyle Medicine, Medical Acupuncture, and Pediatrics. She presents to physicians, patients, and the community on topics from nutrition, botanical medicine, and cancer prevention to mental health, women's health, and more.
- **Dr. Joseph J. Fins**, The E. William Davis, Jr., M.D. Professor of Medical Ethics and Chief of the Division of Medical Ethics recently participated in a podcast, [Balancing Innovation and Ethics: Who is Protecting the Early Adopters?](#), for the Lighthouse Guild of NYC. Interviewed by Dr. Calvin Roberts, President and CEO of the Lighthouse Guild, Dr. Fins provided insights on the ethical issues of human experimentation with technology and what happens when implant technology becomes obsolete or when the sponsoring company stops supporting the technology. The Lighthouse Guild provides exceptional services that inspire people who are visually impaired to attain their goals.

## Research Paper Highlights

### Cardiology

Kochav JD, Kim J, Judd R, Tak KA, Janjua E, Maciejewski AJ, Kim HW, Klem I, Heitner J, Shah D, Zoghbi WA, Shenoy C, Farzaneh-Far A, Polsani V, Villar-Calle P, Parker M, Judd KM, Khalique OK, Leon MB, Devereux RB, Levine RA, Kim RJ, Weinsaft JW. Myocardial Contractile Mechanics in Ischemic Mitral Regurgitation: Multicenter Data Using Stress Perfusion Cardiovascular Magnetic Resonance. *JACC Cardiovasc Imaging*. 2022 Jul;15(7):1212-1226. doi: 10.1016/j.jcmg.2022.03.014. Epub 2022 May 11. PMID: 35798397; PMCID: PMC9273017.

Goyal P, Kim M, Krishnan U, Mccullough SA, Cheung JW, Kim LK, Pandey A, Borlaug BA, Horn EM, Safford MM, Kamel H. Post-operative atrial fibrillation and risk of heart failure hospitalization. *Eur Heart J*. 2022 Aug 14;43(31):2971-2980. doi: 10.1093/eurheartj/ehac285. PMID: 35764099.

Kini V, Parks M, Liu W, Waldo SW, Ho PM, Bradley SM, Hess PL. Patient Symptoms and Stress Testing After Elective Percutaneous Coronary Intervention in the Veterans Affairs Health Care System. *JAMA Netw Open*. 2022 Jun 1;5(6):e2217704. doi: 10.1001/jamanetworkopen.2022.17704. PMID: 35727581; PMCID: PMC9214585.

### Endocrinology, Diabetes & Metabolism

Queiroz AL, Dantas E, Ramsamooj S, Murthy A, Ahmed M, Zunica ERM, Liang RJ, Murphy J, Holman CD, Bare CJ, Ghahramani G, Wu Z, Cohen DE, Kirwan JP, Cantley LC, Axelrod CL, Goncalves MD. Blocking ActRIIB and restoring appetite reverses cachexia and improves survival in mice with lung cancer. *Nat Commun*. 2022 Aug 8;13(1):4633. doi: 10.1038/s41467-022-32135-0. PMID: 35941104; PMCID: PMC9360437.

Barenbaum SR, Zhao AS, Saunders KH, Aronne LJ, Shukla AP. Management of Weight Regain Following Bariatric Surgery: Behavioral Intervention and Pharmacotherapy. *Expert Rev Endocrinol Metab*. 2022 Sep;17(5):405-414. doi: 10.1080/17446651.2022.2101993. Epub 2022 Jul 31. PMID: 35912876.

Ludwig DS, Apovian CM, Aronne LJ, Astrup A, Cantley LC, Ebbeling CB, Heymsfield SB, Johnson JD, King JC, Krauss RM, Taubes G, Volek JS, Westman EC, Willett WC, Yancy WS Jr, Friedman MI. Competing paradigms of obesity pathogenesis: energy balance versus carbohydrate-insulin models. *Eur J Clin Nutr*. 2022 Sep;76(9):1209-1221. doi: 10.1038/s41430-022-01179-2. Epub 2022 Jul 28. PMID: 35896818; PMCID: PMC9436778.

## Gastroenterology & Hepatology

Cullaro G, Rubin JB, Fortune BE, Crawford CV, Verna EC, Hsu CY, Liu KD, Brown RS, Lai JC, Rosenblatt R. Association Between Kidney Dysfunction Types and Mortality Among Hospitalized Patients with Cirrhosis. *Dig Dis Sci*. 2022 Jul;67(7):3426-3435. doi: 10.1007/s10620-021-07159-z. Epub 2021 Jul 22. PMID: 34292470.

Abu Dayyeh BK, Bazerbachi F, Vargas EJ, Sharaiha RZ, Thompson CC, Thaemert BC, Teixeira AF, Chapman CG, Kumbhari V, Ujiki MB, Ahrens J, Day C; MERIT Study Group, Galvao Neto M, Zundel N, Wilson EB. Endoscopic sleeve gastropasty for treatment of class 1 and 2 obesity (MERIT): a prospective, multicentre, randomised trial. *Lancet*. 2022 Aug 6;400(10350):441-451. doi: 10.1016/S0140-6736(22)01280-6. Epub 2022 Jul 28. PMID: 35908555.

Zhou W, Zhou L, Zhou J; JRI Live Cell Bank, Chu C, Zhang C, Sockolow RE, Eberl G, Sonnenberg GF. ZBTB46 defines and regulates ILC3s that protect the intestine. *Nature*. 2022 Sep;609(7925):159-165. doi: 10.1038/s41586-022-04934-4. Epub 2022 Jul 13. PMID: 35831503. **[Jill Roberts Institute]**

## General Internal Medicine

Choi J, Darrow MA, Zeitlinger L, Thorpe SW, Bindra J. Unusual chondroblastoma of the hand with large extraosseous soft tissue component. *Radiol Case Rep*. 2022 Jul 1;17(9):3214-3218. doi: 10.1016/j.radcr.2022.06.024. PMID: 35814820; PMCID: PMC9256549.

Leung PB, Cabassa Miskimen AC, Mejia DL, Brahmabhatt D, Rusli M, Tung J, Sterling MR. Health Priorities of Multi-Morbid Ambulatory Patients in New York City During the COVID-19 Pandemic: A Qualitative Analysis. *Int J Gen Med*. 2022 Aug 29;15:6881-6885. doi: 10.2147/IJGM.S370815. PMID: 36061958; PMCID: PMC9438932.

Navarro-Millán I, Xie F, Crowson CS, Safford MM, Rajan M, Sattui SE, Curtis JR. Comparing cardiovascular risk of patients with rheumatoid arthritis within the Social Security Disability Insurance with those commercially insured. *Arthritis Res Ther*. 2022 Aug 22;24(1):202. doi: 10.1186/s13075-022-02847-1. PMID: 35996193; PMCID: PMC9396772.

Chebrolu P, Alexander M, Bhosale R, Naik S, Gupte N, Lee MH, Kumar P, Babu S, Fitzgerald D, Gupta A, Mathad J. The Association of Gestational Diabetes with HIV Infection and Tuberculosis in Indian Women. *Am J Trop Med Hyg*. 2022 Aug 1:tpmd211106. doi: 10.4269/ajtmh.21-1106. Epub ahead of print. PMID: 35914684. **[Center for Global Health]**

## Geriatrics & Palliative Medicine

Phongtankuel V, Moxley J, Reid MC, Adelman RD, Czaja SJ. The relationship of caregiver self-efficacy to caregiver outcomes: a correlation and mediation analysis. *Aging Ment Health*. 2022 Sep 6:1-7. doi: 10.1080/13607863.2022.2118666. Epub ahead of print. PMID: 36068999.

Luth EA, Prigerson HG. Socioeconomic status, race/ethnicity, and unexpected variation in dementia classification in longitudinal survey data. *J Gerontol B Psychol Sci Soc Sci*. 2022 Sep 1:gbac128. doi: 10.1093/geronb/gbac128. Epub ahead of print. PMID: 36048568.

Reich AJ, Perez S, Fleming J, Gazarian P, Manful A, Ladin K, Tjia J, Semco R, Prigerson H, Weissman JS, Candrian C. Advance Care Planning Experiences Among Sexual and Gender Minority People. *JAMA Netw Open*. 2022 Jul 1;5(7):e2222993. doi: 10.1001/jamanetworkopen.2022.22993. PMID: 35857322; PMCID: PMC9301514.

## Hematology & Medical Oncology

Rutherford SC, Yin J, Pederson L, Perez Burbano G, LaPlant B, Shadman M, Li H, LeBlanc ML, Kenkre VP, Hong F, Blum KA, Dockter T, Martin P, Jung SH, Grant B, Rosenbaum C, Ujjani C, Barr PM, Unger JM, Cheson BD, Bartlett NL, Kahl B, Friedberg JW, Mandrekar SJ, Leonard JP. Relevance of Bone Marrow Biopsies for Response Assessment in US National Cancer Institute National Clinical Trials Network Follicular Lymphoma Clinical Trials. *J Clin Oncol*. 2022 Jul 5;JCO2102301. doi: 10.1200/JCO.21.02301. Epub ahead of print. PMID: 35787017.

Xia M, David L, Teater M, Gutierrez J, Wang X, Meydan C, Lytle A, Slack GW, Scott DW, Morin RD, Onder O, Elenitoba-Johnson KSJ, Zamponi N, Cerchietti L, Lu T, Philippar U, Fontan L, Wu H, Melnick AM. BCL10 Mutations Define Distinct Dependencies Guiding Precision Therapy for DLBCL. *Cancer Discov*. 2022 Aug 5;12(8):1922-1941. doi: 10.1158/2159-8290.CD-21-1566. PMID: 35658124; PMCID: PMC9357155.

Cristofanilli M, Rugo HS, Im SA, Slamon DJ, Harbeck N, Bondarenko I, Masuda N, Colleoni M, DeMichele A, Loi S, Iwata H, O'Leary B, André F, Loibl S, Bananis E, Liu Y, Huang X, Kim S, Lechuga Frean MJ, Turner NC. Overall Survival with Palbociclib and Fulvestrant in Women with HR+/HER2- ABC: Updated Exploratory Analyses of PALOMA-3, a Double-blind, Phase III Randomized Study. *Clin Cancer Res*. 2022 Aug 15;28(16):3433-3442. doi: 10.1158/1078-0432.CCR-22-0305. PMID: 35552673.

## Infectious Diseases

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Pang APS, Higgins-Chen AT, Comite F, Raica I, Arboleda C, Went H, Mendez T, Schotsaert M, Dwaraka V, Smith R, Levine ME, Ndhlovu LC, Corley MJ. Longitudinal Study of DNA Methylation and Epigenetic Clocks Prior to and Following Test-Confirmed COVID-19 and mRNA Vaccination. *Front Genet*. 2022 Jun 3;13:819749. doi: 10.3389/fgene.2022.819749. PMID: 35719387; PMCID: PMC9203887.

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## Medical Ethics

Mukherjee D. Dignity of Risk and Attributions About the Other. *Perspect Biol Med*. 2022;65(2):213-220. doi: 10.1353/pbm.2022.0017. PMID: 35938429.

Fins JJ. Bioethics, Ukraine, and the Peril of Silence. *Camb Q Healthc Ethics*. 2022 Jul 8:1-3. doi: 10.1017/S0963180122000238. Epub ahead of print. PMID: 35801289.

Kolbe L, Fins JJ. Health Equity, History, and a New Presidential Bioethics Commission: Lessons from the "Lost" Reports. *J Gen Intern Med*. 2022 Jul 26:1-4. doi: 10.1007/s11606-022-07733-9. Epub ahead of print. PMID: 35882708; PMCID: PMC9321266.

## **Nephrology & Hypertension**

Mzava O, Cheng AP, Chang A, Smalling S, Djomnang LK, Lenz JS, Longman R, Steadman A, Gómez-Escobar LG, Schenck EJ, Salvatore M, Satlin MJ, Suthanthiran M, Lee JR, Mason CE, Dadhania D, De Vlaminck I. A metagenomic DNA sequencing assay that is robust against environmental DNA contamination. *Nat Commun.* 2022 Jul 21;13(1):4197. doi: 10.1038/s41467-022-31654-0. PMID: 35864089; PMCID: PMC9304412.

Uni R, Choi ME. Novel Roles of Necroptosis Mediator Receptor-Interacting Protein Kinase 3 in Kidney Injury. *Nephron.* 2022;146(3):259-263. doi: 10.1159/000517732. Epub 2021 Jul 20. PMID: 34284405; PMCID: PMC8770676.

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## **Pulmonary & Critical Care Medicine**

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Huluka DK, Etissa EK, Ahmed S, Abate H, Getachew N, Abera S, Bekele A, Araya H, Gebreyes T, Tadesse B, Demoz G, Gebreegziabher Y, Yitagesu R, Berhanu A, Feleke Y, Abebe Y, Haile T, Yusuf H, Amogne W, Haisch DA, Sherman CB, Schluger NW. Clinical Characteristics and Treatment Outcomes of COVID-19 Patients at Eka Kotebe General Hospital, Addis Ababa, Ethiopia. *Am J Trop Med Hyg.* 2022 Jul 5;107(2):252–9. doi: 10.4269/ajtmh.21-1270. Epub ahead of print. PMID: 35895414; PMCID: PMC9393439.

Batra R, Whalen W, Alvarez-Mulett S, Gómez-Escobar LG, Hoffman KL, Simmons W, Harrington J, Chetnik K, Buyukozkan M, Benedetti E, Choi ME, Suhre K, Schenck E, Choi AMK, Schmidt F, Cho SJ, Krumsiek J. Multi-omic comparative analysis of COVID-19 and bacterial sepsis-induced ARDS. *medRxiv [Preprint].* 2022 Aug 13:2022.05.16.22274587. doi: 10.1101/2022.05.16.22274587. PMID: 35982655; PMCID: PMC9387161.

## **Rheumatology**

Sun D, Nguyen TM, Allaway RJ, Wang J, Chung V, Yu TV, Mason M, Dimitrovsky I, Ericson L, Li H, Guan Y, Israel A, Olar A, Pataki BA, Stolovitzky G, Guinney J, Gulko PS, Frazier MB, Chen JY, Costello JC, Bridges SL Jr; RA2-DREAM Challenge Community. A Crowdsourcing Approach to Develop Machine Learning Models to Quantify Radiographic Joint Damage in Rheumatoid Arthritis. *JAMA Netw Open.* 2022 Aug 1;5(8):e2227423. doi: 10.1001/jamanetworkopen.2022.27423. PMID: 36036935; PMCID: PMC9425151.

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