



# Weill Cornell Medicine

## Joan and Sanford I. Weill Department of Medicine

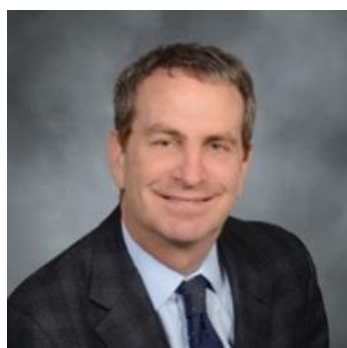
### What's New In Medicine

Newsletter • September 2019



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](mailto:suross@med.cornell.edu).

## Message from the Chair



Quality and safety in patient care is a critical mission of the Weill Department of Medicine. To that end, the Quality University of the Weill Department of Medicine (QUDoM) continues to provide junior faculty, who are not traditional researchers, with mentorship that allows them to achieve academic scholarship while improving the quality and safety of hospital and ambulatory patient care. Established in 2016, this WDOM program – the first of its kind at NewYork-Presbyterian/Weill Cornell Medical Center -- has been rebranded as the Quality Improvement Academy (QIA). This rebranding reflects the program's expansion across all clinical departments as well as NYP Nursing. To date, there have been 34 fellows enrolled in the program across NYP/Weill Cornell.

Next week the WDOM Grand Rounds will host its first QIA Visiting Professor, Dr. Albert W. Wu, to raise awareness for the need to build a culture of support for physician providers involved in adverse events. Dr. Wu is a Professor of Health Policy and Management and Medicine and the Director of the Center for Health Services and Outcomes Research at Johns Hopkins. An alumnus of Cornell University, where he earned both his BA and MD degrees, Dr. Wu has served as a member of the Institute of Medicine's committee on identifying and preventing medication errors and as a Senior Advisor for Patient Safety to the World Health Organization in Geneva. He has authored more than 400 peer reviewed publications and has studied the handling of medical errors since 1988.

**Please join us on Wednesday, 8 AM, September 25, in A-950 to welcome Dr. Wu** as he shares his research and experience in raising awareness to provide psychological first aid and emotional support to health care workers who experience stressful patient-related events, including errors and adverse events.

*Tony*

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

# News



## **WDOM 2019 Annual Report Available Live on Website**

The Weill Department of Medicine's 2019 Annual Report publication, which highlights stories and activities from calendar year 2018, has been posted on the WDOM homepage. The report details news covering the department's tripartite mission of clinical care, research, and education. It was a banner year for growth and advances on all fronts! [Read more](#)



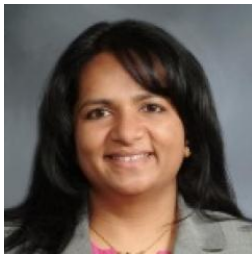
## **Dr. Laura Alonso Appointed to Chief of the WDOM's Division of Endocrinology, Diabetes and Metabolism**

After a national search, Dr. Laura Alonso will become the next Chief of the Division of Endocrinology, Diabetes and Metabolism as of September 1, 2019. [Read more](#)



## **Dr. Sara Czaja Leads New Center for Aging and Behavioral Research**

Dr. Czaja utilizes technology to facilitate the performance of older workers, to assist dementia caregivers, to enable older adults to use e-health apps and the Internet, and to support memory and social connectivity. [Read more](#)



## **Breakthrough on Cell-free DNA Published in PNAS: Dr. Dadhania, Co-senior Author**

The paper illuminates a technique that has enabled a low-cost urine test that can identify thousands of bacteria and viruses in humans. Importantly, infections causing tissue damage can be readily discerned. [Read more](#)

# Awards & Honors



## **Dr. Dupnik Receives a Clinical Scientist Development Award from the Doris Duke Charitable Foundation**

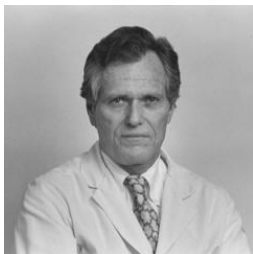
The CSDA will provide Dr. Dupnik with \$495,000 over three years in support of her research studies in the area of infectious diseases. [Read more](#)



### Dr. Shin Receives a Visioning Award from Dr. Pollack's NYC Visioning Institute

Dr. Shin's project will be part of the initiative's effort to expand learning and research opportunities in New York City for faculty and students, and will complement work in Ithaca during the 2019-20 academic year. [Read more](#)

## In Memoriam



### The Weill Department of Medicine Remembers Esteemed Colleague and Friend Dr. Charles L. Christian

Dr. Christian, who achieved major advances in the pathogenesis of rheumatoid arthritis and in systemic lupus erythematosus (SLE), was beloved by colleagues, trainees, and friends throughout the United States and around the world. [Read more](#)

## News Flashes

- **Many congrats to Dr. Anne Moore!** The WDOM congratulates Dr. Anne Moore, Professor of Clinical Medicine, Division of Hematology and Medical Oncology, on her 50th anniversary of service at Weill Cornell Medicine. At the time of her residency training at NewYork-Presbyterian/Weill Cornell Medical Center, Dr. Moore was one of only a handful of female physicians treating breast cancer. The recipient of numerous honors and Best Doctor listings, Dr. Moore has pioneered landmark advances over the decades that have set the standard for best practices in patient care. Dr. Moore serves as the Director of the new program, Breast Cancer Survivorship, located at the Weill Cornell Breast Center.
- Dr. Susana Morales, Associate Professor of Clinical Medicine and Vice Chair for Diversity (WDOM), has been working with the National Hispanic Medical Association (NHMA) to host the **NHMA New York City Chapter Policy Forum** to be held at Weill Cornell Medicine on Saturday, September 21, 2019. The Forum will take place at the Belfer Research Building, Room 302 A-C, 413 E. 69th Street, NYC, 10021, and will run from 8:30 AM to 12 Noon. If you have questions, please contact Daisy Torres Baez at [dat4004@med.cornell.edu](mailto:dat4004@med.cornell.edu).
- **Update on the WDOM's Fund for the Future!** The Fund for the Future award supports selected faculty during the crucial period of career development, spanning completion of research training through the early years of their first faculty position held at Weill Cornell Medicine. Joining the ranks of winners for a Fund for the Future award is Dr. Chris Brown. Dr. Brown is a 4<sup>th</sup> year Infectious Disease fellow working in the laboratory of Dr. Kyu Y. Rhee.
- **Congratulations** to the following WDOM physicians who recently received promotions: Dr. Margaret L. McNairy to Associate Professor of Medicine, Division of General Internal Medicine; Dr. Robert Peck to Associate Professor of Medicine, Division of Infectious Diseases; and Dr. Trine Krogh-Madsen to Associate Professor of Physiology Research in Medicine, Division of Cardiology.

# Research Paper Highlights

## Cardiology

Takayama H, Yu SN, Sorabella R, Leb J, Pulerwitz TC, Cooper C, Argenio M, Shimada YJ, Weiner S, Ginns JN. Virtual septal myectomy for preoperative planning in hypertrophic cardiomyopathy. *J Thorac Cardiovasc Surg.* 2019 Aug;158(2):455-463. doi: 10.1016/j.jtcvs.2018.10.138. Epub 2018 Nov 14. PubMed PMID: 30578058.

Su A, Al'Aref SJ, Beecy AN, Min JK, Karas MG. Clinical and Socioeconomic Predictors of Heart Failure Readmissions: A Review of Contemporary Literature. *Mayo Clin Proc.* 2019 Jul;94(7):1304-1320. doi: 10.1016/j.mayocp.2019.01.017. Review. PubMed PMID: 31272573.

## Endocrinology, Diabetes & Metabolism

Xu YH, Deng JL, Wang G, Zhu YS. Long non-coding RNAs in prostate cancer: Functional roles and clinical implications. *Cancer Lett.* 2019 Aug 26;464:37-55. doi: 10.1016/j.canlet.2019.08.010. [Epub ahead of print] PubMed PMID: 31465841.

Younus I, Gerges MM, Godil SS, Uribe-Cardenas R, Dobri GA, Ramakrishna R, Schwartz TH. Incidence and risk factors associated with reoperation for sellar hematoma following endoscopic transsphenoidal pituitary surgery. *J Neurosurg.* 2019 Aug 23:1-7. doi: 10.3171/2019.6.JNS191169. [Epub ahead of print] PubMed PMID: 31443077.

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Kumar RB, Aronne LJ. Pharmacologic Treatment of Obesity. In: De Groot LJ, Chrousos G, Dungan K, Feingold KR, Grossman A, Hershman JM, Koch C, Korbonits M, McLachlan R, New M, Purnell J, Rebar R, Singer F, Vinik A, editors. *Endotext* [Internet]. South Dartmouth (MA): MDText.com, Inc.; 2000-2017 Aug 7. **[Comprehensive Weight Control Center]**

## Gastroenterology & Hepatology

Nagashima H, Mahlaköiv T, Shih HY, Davis FP, Meylan F, Huang Y, Harrison OJ, Yao C, Mikami Y, Urban JF Jr, Caron KM, Belkaid Y, Kanno Y, Artis D, O'Shea JJ. Neuropeptide CGRP Limits Group 2 Innate Lymphoid Cell Responses and Constrains Type 2 Inflammation. *Immunity.* 2019 Jul 16. pii: S1074-7613(19)30279-1. doi: 10.1016/j.immuni.2019.06.009. [Epub ahead of print] PubMed PMID: 31353223. **[Jill Roberts Institute]**

## General Internal Medicine

Pierre S, Seo G, Rivera VR, Walsh KF, Victor JJ, Charles B, Julmiste G, Dumont E, Apollon A, Cadet M, Saint-Vil A, Marcelin A, Severe P, Lee MH, Kingery J, Koenig S, Fitzgerald D, Pape J, McNairy ML. Prevalence of hypertension and cardiovascular risk factors among long-term AIDS survivors: A report from the field. *J Clin Hypertens (Greenwich).* 2019 Aug 26. doi: 10.1111/jch.13663. [Epub ahead of print] PubMed PMID: 31448551.

Choi JJ, McCarthy MW, Simon MS, Evans AT, Self WH, Glesby MJ. Clinical Progress Note: Procalcitonin in the Diagnosis and Management of Community-Acquired Pneumonia in Hospitalized Adults. *J Hosp Med.* 2019 Aug 16;14. doi: 10.12788/jhm.3272. [Epub ahead of print] PubMed PMID: 31433773.

Sholle ET, Pinheiro LC, Adekanattu P, Davila MA, Johnson SB, Pathak J, Sinha S, Li C, Lubansky SA, Safford MM, Champion TR. Underserved populations with missing race ethnicity data differ significantly from those with structured race/ethnicity documentation. *J Am Med Inform Assoc.* 2019 Aug 1;26(8-9):722-729. doi: 10.1093/jamia/ocz040. PubMed PMID: 31329882; PubMed Central PMCID: PMC6696506.

## Hematology & Medical Oncology

Loriot Y, Necchi A, Park SH, Garcia-Donas J, Huddart R, Burgess E, Fleming M, Rezazadeh A, Mellado B, Varlamov S, Joshi M, Duran I, Tagawa ST, Zakharia Y, Zhong B, Stuyckens K, Santiago-Walker A, De Porre P, O'Hagan A, Avadhani A, Siefker-Radtke AO; BLC2001 Study Group. Erdafitinib in Locally Advanced or Metastatic Urothelial Carcinoma. *N Engl J Med*. 2019 Jul 25;381(4):338-348. doi: 10.1056/NEJMoa1817323. PubMed PMID: 31340094.

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Robinson BD, Vlachostergios PJ, Bhinder B, Liu W, Li K, Moss TJ, Bareja R, Park K, Tavassoli P, Cyrta J, Tagawa ST, Nanus DM, Beltran H, Molina AM, Khani F, Miguel Mosquera J, Xylinas E, Shariat SF, Scherr DS, Rubin MA, Lerner SP, Matin SF, Elemento O, Faltas BM. Upper tract urothelial carcinoma has a luminal-papillary T-cell depleted contexture and activated FGFR3 signaling. *Nat Commun*. 2019 Jul 5;10(1):2977. doi: 10.1038/s41467-019-10873-y. PubMed PMID: 31278255; PubMed Central PMCID: PMC6611775.

## Infectious Diseases

Furler RL, Ali A, Yang OO, Nixon DF. Nef-induced differential gene expression in primary CD4+ T cells following infection with HIV-1 isolates. *Virus Genes*. 2019 Aug;55(4):541-544. doi: 10.1007/s11262-019-01670-2. Epub 2019 May 15. PubMed PMID: 31093843; PubMed Central PMCID: PMC6640090.

Martin EK, Salsgiver EL, Bernstein DA, Simon MS, Greendyke WG, Gramstad JM, Weeks R, Woodward T, Jia H, Saiman L, Furuya EY, Calfee DP. Sustained improvement in hospital cleaning associated with a novel education and culture change program for environmental services workers. *Infect Control Hosp Epidemiol*. 2019 Sep;40(9):1024-1029. doi: 10.1017/ice.2019.183. Epub 2019 Jul 1. PubMed PMID: 31256766.

Petratis V, Petratiene R, Naing E, Aung T, Thi WP, Kavaliauskas P, Win Maung BB, Michel AO, Ricart Arbona RJ, DeRyke AC, Culshaw DL, Nicolau DP, Satlin MJ, Walsh TJ. Ceftolozane-Tazobactam in the Treatment of Experimental *Pseudomonas aeruginosa* Pneumonia in Persistently Neutropenic Rabbits: Impact on Strains with Genetically Defined Mechanisms of Resistance. *Antimicrob Agents Chemother*. 2019 Aug 23;63(9). pii: e00344-19. doi: 10.1128/AAC.00344-19. Print 2019 Sep. PubMed PMID: 31235620.

Sundararajan R, Yoder LM, Kihunrwa A, Aristide C, Kalluvya SE, Downs DJ, Mwakisole AH, Downs JA. How gender and religion impact uptake of family planning: results from a qualitative study in Northwestern Tanzania. *BMC Womens Health*. 2019 Jul 22;19(1):99. doi: 10.1186/s12905-019-0802-6. PubMed PMID: 31331306; PubMed Central PMCID: PMC6647140. **[Center for Global Health]**

## Medical Ethics

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## **Nephrology & Hypertension**

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Malha L, August P. Safety of Antihypertensive Medications in Pregnancy: Living With Uncertainty. *J Am Heart Assoc*. 2019 Aug 6;8(15):e013495. doi: 10.1161/JAHA.119.013495. Epub 2019 Jul 26. PubMed PMID: 31345085.

Cheng AP, Burnham P, Lee JR, Cheng MP, Suthanthiran M, Dadhania D, De Vlaminck I. A cell-free DNA metagenomic sequencing assay that integrates the host injury response to infection. *Proc Natl Acad Sci U S A*. 2019 Aug 26. pii: 201906320. doi: 10.1073/pnas.1906320116. [Epub ahead of print] PubMed PMID: 31451660.

## **Public Health Programs**

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## **Pulmonary & Critical Care Medicine**

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## **Rheumatology**

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de Miranda JR, Eggleston P. Larval competition in *Drosophila melanogaster*. I. Estimation of larval growth parameters. *Heredity (Edinb)*. 1988 Apr;60 (Pt 2):205-12. PubMed PMID: 3130339.

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