



VANDERBILT CUTTING-EDGE DISCOVERY

PROPELLING PRECISION MEDICINE
AND ITS PROMISE OF HEALTH EQUITY
JOSHUA C. DENNY, M.D., M.S., FACMI
CONSUELO H. WILKINS, M.D., MSCI



OCTOBER 12, 2017
4:00 P.M.
208 LIGHT HALL

Upcoming Discovery Lecture:
Vanderbilt Cutting-Edge Discovery Lecture:
Epigenetics, Transcription, and Disease

J. DAVID SWEATT, PH.D.
Professor and Chair, Department of Pharmacology
Allan D. Bass Chair in Pharmacology

WILLIAM P. TANSEY, PH.D.
Ingram Professor of Cancer Research
Professor, Department of Cell and Developmental Biology

October 26, 2017
208 Light Hall / 4:00 P.M.

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OFFICE OF THE PRESIDENT AND CEO

VANDERBILT  UNIVERSITY
MEDICAL CENTER



**JOSHUA C. DENNY,
M.D., M.S., FACMI**

**PROFESSOR OF BIOMEDICAL INFORMATICS
AND MEDICINE**

**DIRECTOR OF THE CENTER FOR
PRECISION MEDICINE**

VICE PRESIDENT OF PERSONALIZED MEDICINE

Dr. Joshua Denny is Professor of Biomedical Informatics and Medicine, the Director of the Center for Precision Medicine and a Vice President of Personalized Medicine at Vanderbilt University Medical Center. He has training in biomedical informatics, computer science, epidemiology, and biostatistics. His interest in medical informatics include accurate phenotype identification from electronic health record data and using the electronic medical record to discover genome-phenome associations to better understand disease and drug response, including the development of the EHR-based phenome-wide association (PheWAS) method. He is PI of nodes in the Electronic Medical Records and Genomics (eMERGE) Network, Pharmacogenomics Research Network (PGRN), and the Implementing Genomics into Practice (IGNITE) network. To date, Dr. Denny has led >100 genome-wide and candidate gene association studies using EHR data linked to genetic data. He is a PI of the Precision Medicine Initiative (PMI) All of UsSM (AoU) Research Program Direct Volunteer Pilot and the PMI AoU Data and Research Support Center. Dr. Denny serves on a number of mentoring committees and has trained >30 postdoctoral and predoctoral trainees. He remains active in clinical care and in teaching students.



**CONSUELO H. WILKINS,
M.D., MSCI**

**EXECUTIVE DIRECTOR,
MEHARRY-VANDERBILT ALLIANCE**

**ASSOCIATE PROFESSOR OF MEDICINE,
VANDERBILT UNIVERSITY SCHOOL OF MEDICINE
AND MEHARRY MEDICAL COLLEGE**

Consuelo H. Wilkins, MD, MSCI, is a physician and biomedical researcher and current Executive Director of the Meharry-Vanderbilt Alliance--a strategic partnership between Meharry Medical College and Vanderbilt University Medical Center. She holds faculty appointments as Associate Professor of Medicine at both institutions.

Dr. Wilkins earned a Bachelor of Science in Microbiology from Howard University College of Arts and Sciences where she graduated *magna cum laude* and Phi Beta Kappa. She matriculated to the Howard University College of Medicine where she received the Doctor of Medicine degree in 1996.

After medical school, Dr. Wilkins completed internship and residency in internal medicine at Duke University Medical Center, followed by a fellowship in geriatric medicine at Washington University/Barnes Jewish Hospital in St. Louis. Immediately following fellowship, Dr. Wilkins joined the faculty of the Washington University School of Medicine where she also earned a Master of Science in Clinical Investigation in 2002. During her 12 years on the faculty at Washington University, Dr. Wilkins rose to the rank of Associate Professor in the Department of Medicine, Division of Geriatrics, with secondary appointments in Psychiatry and Surgery (Public Health Sciences). There her research focused on the complex intersection between cognitive impairment, physical frailty, and depression. Her research contributed significantly to the understanding of Alzheimer's disease among African Americans.

In 2012, Dr. Wilkins assumed her current role and in the past four years has increased external grant funding more than 10-fold. Dr. Wilkins is internationally recognized for her work in community engaged research and is the principal investigator of more than \$25 million in research awards including funding from the Patient-Centered Outcomes Research Institute (PCORI) and two NIH-funded centers, the Vanderbilt-Miami-Meharry Center of Excellence in Precision Medicine and Population Health, and the Center for Improving Clinical Trial Education Recruitment and Enrollment at CTSA Hubs.