KATHERINE E. HARTMANN, M.D., Ph.D.

ASSOCIATE DEAN, CLINICAL & TRANSLATIONAL SCIENTIST DEVELOPMENT

DEPUTY DIRECTOR, INSTITUTE FOR MEDICINE AND PUBLIC HEALTH

PROFESSOR OF OBSTETRICS AND GYNECOLOGY

PROFESSOR OF MEDICINE

LUCIUS E. BURCH CHAIR OF REPRODUCTIVE PHYSIOLOGY AND FAMILY PLANNING

Dr. Hartmann is Associate Dean for Clinical & Translational Scientist Development and leads Education, Training, and Career Development for the CTSA (K and T). She is also Deputy Director of the Institute for Medicine and Public Health with oversight of the core graduate programs aligned with the Vanderbilt CTSA. Hallmarks of her leadership in career development are steadfast interdisciplinary focus and service to investigators. The latter is achieved by providing cross-cutting, practical resources such as internally-funded career development awards; two monthly seminar series tailored to career stage; workshops on timely topics like rigor and reproducibility and sex and gender biology; work-in-progress and peer mentoring groups; manuscript sprints; an institutional library of >160 funded grants; grant pacing workshops; internal study sections providing >120 reviews each year; and coordination of translational science pathways to facilitate individualized didactic and experiential learning in six foundational areas of translational research. For mid-career faculty and mentors, resources include assistance with K24 and K12 grant development; workshops on topics like obtaining minority supplements and guiding mentees in developing career timelines; and conducting annual confidential mentor evaluations to provide aggregated feedback. Her office supports tracking systems to gather suggestions and continuously improve resources, and to measure outcomes for career development programs that serve more than 350 funded trainees each year. Dr. Hartmann is embedded in activities that reach across the entire trajectory of research careers from an intensive program in our public schools to support STEM experience, through initiatives to engage senior faculty in collaborative research in new areas. Nationally she is co-PI for the Innovation Labs collaborative grant development program and related RCT funded by NCATS. Her own research expertise includes conduct of large cohorts, behavioral interventions, clinical trials, assessment of medical tests, and quantitative methods. She currently chairs the NIH Pelvic Floor Disorders Network.

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ERIC P. SKAAR, Ph.D., M.P.H.

THE VANDERBILT INSTITUTE FOR INFECTION, IMMUNOLOGY, AND INFLAMMATION (VI4)

DANNY G. WINDER, Ph.D.

THE VANDERBILT CENTER FOR ADDICTION RESEARCH

KATHERINE E. HARTMANN, M.D., Ph.D.

RESOURCES TO ENSURE EARLY CAREER SCIENTISTS THRIVE

DECEMBER 13, 2018
4:00 P.M.
208 LIGHT HALL

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VANDERBILT UNIVERSITY MEDICAL CENTER

ERIC P. SKAAR, Ph.D., M.P.H.

ERNEST W. GOODPASTURE CHAIR AND PROFESSOR IN PATHOLOGY, MICROBIOLOGY, AND IMMUNOLOGY

DIRECTOR, DIVISION OF MOLECULAR PATHOGENESIS

DIRECTOR, VANDERBILT INSTITUTE FOR INFECTION, IMMUNOLOGY, AND INFLAMMATION (VI4)

VICE CHAIR FOR BASIC RESEARCH, DEPARTMENT OF PATHOLOGY, MICROBIOLOGY, AND IMMUNOLOGY

Dr. Skaar earned his Bachelor of Science degree in Bacteriology at the University of Wisconsin-Madison in 1996, and his Ph.D. in Immunology and Microbial Pathogenesis and Master's Degree in Public Health in Biostatistics and Epidemiology at Northwestern University in 2002. After completing a postdoctoral fellowship in Microbiology at the University of Chicago, Dr. Skaar joined the Vanderbilt faculty in 2005 as an assistant professor, and was named to the endowed Ernest W. Goodpasture Chair in Pathology in 2012. He is the Vice Chair for Basic Research in the Department of Pathology, Microbiology and Immunology, the Director of the Vanderbilt Institute for Infection, Immunology, and Inflammation, and he is an investigator in several collaborative research efforts including the Mass Spectrometry Research Center, the Center for Structural Biology, the Vanderbilt University Institute of Imaging Science, and the Vanderbilt Institute for Chemical Biology. The Skaar laboratory focuses on the impact of nutrition on the outcome of infectious diseases. They investigate this topic through a number of projects that seek to understand (i) nutrient acquisition by bacterial pathogens, (ii) how vertebrate immune proteins sequester nutrients during the pathogenesis of infection, and (iii) competition for nutrients between pathogens and the healthy microbiome, and (iv) the impact of diet on infection. His research has resulted in over 100 invited talks and over 150 published research articles. Dr. Skaar has been the recipient of numerous awards including the Pfizer Aspire Award, the Searle Scholars Award, the ICAAC/IDSA Young Investigator Award, the Chancellor's award for Research, the Stanley Cohen Award for Research, the Postdoctoral Mentor of the Year from Vanderbilt University, and he was named a Burroughs Wellcome Investigator in the Pathogenesis of Infectious Diseases. Dr. Skaar is a Fellow in the American Academy of Microbiology (ASM) and the American Association for the Advancement of Sciences (AAAS).

DANNY G. WINDER, Ph.D.

BIXLER-JOHNSON-MAYES CHAIR IN MOLECULAR PHYSIOLOGY AND BIOPHYSICS

PROFESSOR OF MOLECULAR PHYSIOLOGY AND BIOPHYSICS, PSYCHIATRY & BEHAVIORAL SCIENCES, AND PHARMACOLOGY

DIRECTOR, VANDERBILT CENTER FOR ADDICTION RESEARCH

Dr. Winder received his B.S. from North Georgia College, and his Ph.D. in Neuroscience from Emory University in 1995. After completing a postdoctoral fellowship with Nobel Laureate Eric Kandel, M.D., at Columbia University College of Physicians & Surgeons, he joined the Vanderbilt faculty in 1999 as assistant professor of Molecular Physiology & Biophysics. He was promoted to full professor in 2010. A neuroscientist focused on addiction, Dr. Winder has been particularly interested in determining mechanisms that modulate synaptic plasticity, and how and when these processes are disrupted in alcoholism and addiction. To accomplish these goals, he and his colleagues have pioneered the use of whole cell patch clamp and extracellular recordings in *ex vivo* brain slice preparations containing key stress circuits. In 2013, Dr. Winder received a NARSAD Distinguished Investigator Award and in 2016 a MERIT Award from NIAAA. He is founding director of the Vanderbilt Center for Addiction Research, which was established in 2016 to define events that drive addictive behavior and develop new treatments to sustain recovery. At the national level, he is associate editor of *The Journal of Neuroscience*, section editor of *Neuropharmacology* and a member of the editorial board of *Molecular Pharmacology*.