

DAVID FINK, M.D., the Robert W. Brear Professor of Neurology, Department of Neurology chair and gene therapy pioneer, received the 2014 Paul B. Magnuson Award. Fink, a longtime Veterans Affairs researcher, is a staff neurologist and investigator with the Geriatric Research, Education and Clinical Center at the VA Ann Arbor Healthcare System. He has pioneered methods to introduce genes into the body to treat chronic pain and other nervous-system diseases, and his team led the first human clinical trial of gene therapy for pain.

RICHARD KEEP, Ph.D., accepted an invitation from the National Institutes of Health's Center for Scientific Review to serve a four-year term as a member of the Brain Injury and Neurovascular Pathologies Study Section. Keep, the Crosby-Kahn Collegiate Professor of Neurosurgery and Neuroanatomy and professor of molecular and integrative physiology, will shape national biomedical research efforts by reviewing and making recommendations on NIH grant applications.

JASON S. KNIGHT (M.D., Ph.D. 2007, Residency 2010, Fellowship 2012), assistant professor of internal medicine in the Division of Rheumatology, has received a Career Award for Medical Scientists by the Burroughs Wellcome Fund, which supports physician-scientists in their early faculty years.

THEODORE S. LAWRENCE, M.D., Ph.D., the Isadore Lampe Collegiate Professor of Radiation Oncology, director of the U-M Comprehensive Cancer Center and professor and chair of radiation oncology, has earned the Radiological Society of North America's Outstanding Researcher Award for 2014. Each year the RSNA Board of Directors selects a single recipient who has demonstrated "significant contributions and a long-term commitment — 15 years or more — to radiologic research." Lawrence is the first radiation oncologist to receive this award.

SHOBHA MALVIYA, M.D. (Residency 1987), professor of anesthesiology, associate director of pediatric anesthesiology and director of pediatric anesthesiology research at the C.S. Mott

Children's Hospital, was appointed president of the Society for Pediatric Anesthesia. This international society's mission is to continually advance the safety and quality of anesthetic care, perioperative management and alleviation of pain in children. Malviya will serve as president for two years.

HOWARD MARKEL (M.D. 1986), Ph.D., the George E. Wantz Distinguished Professor of the History of Medicine and director of the Center for the History of Medicine, will deliver two endowed lectures in spring 2015: the John McGovern Lecture at the University of Texas and the Sherwin B. Nuland Lecture at Yale University's Interdisciplinary Center for Bioethics. Markel, also a professor of psychiatry, public health, history, English literature and language, pediatrics and public health management policy, authored the bestselling *An Anatomy of Addiction: Sigmund Freud, William Halsted, and the Miracle Drug Cocaine*.

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Fink



Keep



Knight



Lawrence



Malviya



Markel

Faculty Profile] Scott Soleimanpour: Living the Research

A 5-YEAR-OLD SCOTT SOLEIMANPOUR WAS AT A FAMILY wedding when he was overcome by an unquenchable thirst. “I kept asking my dad if I could go to the bar for soda,” says Soleimanpour, who is now an M.D. and an associate professor of metabolism, endocrinology and diabetes. “I drank one after the other. That’s when my parents became alarmed.”

His parents took him to the hospital, where he was diagnosed with type 1 diabetes. Soleimanpour’s blood sugar was so high that he was admitted to the intensive-care unit and remained in the hospital for two weeks. There, he and his parents learned about life with diabetes, and, even at his young age, he knew the direction his life would take.

“I was going to be a physician,” Soleimanpour says. “I was going to work with diabetes. That’s the only thing I ever cared about.”

After graduating high school at age 16, Soleimanpour attended Kent State University for a six-year combined B.S./M.D. program through Northeast Ohio Medical University. Near the end of his first year of medical school at age 19, his advisor encouraged him to apply for a summer research program at Vanderbilt University in the diabetes lab.

“The professor asked me, ‘Do you want to find the cure? Or are you just going to administer the cure that someone else finds?’ I wanted to find the cure,” Soleimanpour says.

That summer, his textbooks came to life. He learned about metabolism and how glucose is controlled in the body, and he was invigorated by the intricacies of planning and executing experiments. Soleimanpour then took a year off from medical school for a Howard Hughes Medical Institute fellowship at the National Institutes of Health with a pancreatic islet transplantation research program. After that year, he knew for certain he wanted to be a physician-scientist, and his sole mission was to cure type 1 diabetes. During his residency and fellowship at the University of Pennsylvania, he worked with Doris Stoffers, M.D., Ph.D., a molecular biologist/endocrinologist, who had identified MODY 4 – a form of maturity onset diabetes of the young – and who had aggressively researched PDX1, the gene that causes that form of the disease. Stoffers’ mentorship led to Soleimanpour’s discovery of the Clec16A gene that is regulated by PDX1.

“We were in the dark without a flashlight,” Soleimanpour says. “We had to build all the molecular tools to study this gene, yet with each experiment, it got more and more interesting.”

Soleimanpour’s discovery that the type 1 diabetes gene Clec16A is responsible for getting rid of old mitochondria to make way for the production of healthy mitochondria was published this summer in *Cell*. This understanding is crucial because mitochondria enable beta cells in the pancreas to produce insulin and control blood sugar levels.

“We took an entirely unknown diabetes gene, figured out how it works and determined its relevance in turning over unhealthy mitochondria,” Soleimanpour says. “This is the reason I wanted to do more molecular research.”

Today, Soleimanpour continues his research at the U-M Brehm Center for Diabetes Research. After more than a decade of studying type 1 diabetes, he says he feels like he’s just getting started. The black bag holding his diabetes supplies on the desk in his office is a reminder of his mission.

“I eat, sleep and drink this stuff,” he says. “This isn’t just an academic exercise to me... I almost am this disease.” – TIFFANI LANGFORD



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DONOVAN MAUST, M.D., assistant professor of psychiatry and a research scientist with the Center for Clinical Management Research of the VA Ann Arbor Healthcare System, has received the Paul B. Beeson Career Development Award in Aging. The National Institute on Aging, the National Institute on Neurological Disorders and Strokes, and several private foundations collaborate on this initiative to support clinically trained individuals who are pursuing careers in aging. Maust's research investigates the role of neuropsychiatric symptoms of dementia in potentially preventable hospitalizations, for which patients with dementia are at increased risk.

DAVID C. MILLER, M.D. (Residency 2005), received the Society of Urologic Oncology 2014 Young Investigator Award. The award recognizes Miller's work in urologic cancer-related health services research, including his efforts in the area of physician-led collaborative quality improvement in urological oncology. The associate professor of urology received his award at the society's annual meeting held in Orlando in May 2014.

ROCKEFELLER OTENG, M.D. (Residency 2009), was awarded the Global Emergency Medicine Academy Globalization and Advancement Award at the Society of Academic Emergency Medicine annual meeting held in Dallas in May 2014. Oteng, a clinical instructor in emergency medicine, was recognized for his work in Kumasi, Ghana, where he focused on creating, conducting and evaluating trauma- and injury-related research.

EMILY SOMERS, Ph.D., Sc.M, associate professor of medicine, environmental health sciences and OB/GYN, is the winner of the 2014 Blue Cross Blue Shield of Michigan Foundation Frank J. McDevitt, D.O., Excellence in Research Award in the area of clinical research. The award, named in honor of the foundation's late chairman, recognizes research that contributes to improving health and medical care in Michigan.

JAMES STANLEY (M.D. 1964, Residency 1972), the Marion and David Handleman Professor of Vascular Surgery, and **SANTHI**

GANESH, M.D. (Residency 2000), a specialist in cardiology and genetics and an assistant professor of internal medicine, were recognized for their efforts to bridge clinical care and research at the 2014 American Heart Association Washtenaw County Heart Ball. Stanley, associate chair of the Department of Surgery, received the Heart of Gold Award for Excellence. Ganesh received the Young Investigator Award for Excellence and the National Institutes of Health Pathway to Independence Award.

CHRISTIANE WOBUS, Ph.D., is the recipient of a Friedrich Wilhelm Bessel Research Award from the Alexander von Humboldt Foundation. The foundation promotes academic cooperation between researchers from Germany and around the world. Wobus, an associate professor of microbiology and immunology, studies how noroviruses infect their host with a special focus on how noroviruses break through host defenses in the intestine.



Maust



Miller



Oteng



Somers



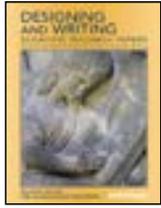
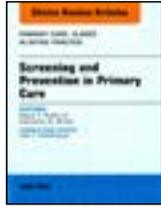
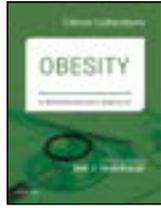
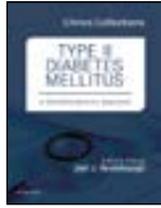
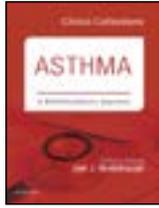
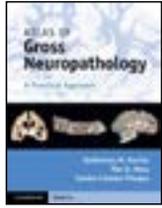
Stanley



Ganesh



Wobus



By **Thomas M. Annesley**, Ph.D., professor emeritus of pathology: *Designing and Writing Scientific Research Papers*, American Association for Clinical Chemistry Press, 2014.

Co-written by **Sandra Carmelo-Piragua**, M.D., assistant professor of pathology; **Kathreena M. Kurian**, Ph.D.; and **Tim H. Moss**, Ph.D.: *Atlas of Gross Neuropathology: A Practical Approach*, Cambridge University Press, 2014.

Co-edited by **Jacek Debiec**, M.D., Ph.D., assistant professor of psychiatry; **Bartosz Brozek**, Ph.D.; **Michael Heller**, Ph.D.; and **Joseph E. LeDoux**, Ph.D.: *The Emotional Brain Revisited*, Copernicus Center Press, 2014.

Co-edited by **Deborah L. Gumucio** (Ph.D. 1986), the James Douglas Engel Collegiate Professor and interim chair of the Department of Cell and Developmental Biology; **Linda C. Samuelson**, Ph.D., the John A. Williams Collegiate Professor of Gastrointestinal Physiology, associate director of the Center for Organogenesis and professor of molecular and integrative physiology and internal medicine; and **Jason R. Spence**, Ph.D., assistant professor of internal medicine and cell and developmental biology: *Translational Gastro-*

enterology: Organogenesis to Disease, Wylie-Blackwell, 2014.

Joel J. Heidelbaugh, M.D., professor of family medicine and urology, was the editorial advisor for four books published as part of Elsevier's 2014 Clinics Collection: *Asthma: A Multidisciplinary Approach*; *Obesity: A Multidisciplinary Approach*; *Pain Management: A Multidisciplinary Approach*; and *Type II Diabetes Mellitus: A Multidisciplinary Approach*.

Mark Hoenerhoff, Ph.D., associate professor of laboratory animal medicine; and **David E. Malarkey**, Ph.D., co-authored "Chapter 8: Toxicogenomics for the Toxicologic Pathologist," in *Toxicologic Pathology: Non-Clinical Safety Assessment*, Taylor & Francis, 2013. Hoenerhoff also co-authored "Chapter 17: Toxicologic Pathology: Non-Clinical Safety Assessment," with **Sundeeep A. Chandra**, Ph.D., and **Richard Peterson**, Ph.D., in the same publication. Additionally, Hoenerhoff and Malarkey co-authored "Chapter 23: Carcinogenesis," in *Haschek and Rousseaux's Handbook of Toxicologic Pathology*, third edition, Academic Press, 2013.

Edited by **Philip Margolis**, M.D., professor emeritus of psychiatry: *Raymond*

W. Waggoner Lectureship on Ethics and Values in Medicine, CreateSpace, 2014.

Edited by **Mack T. Ruffin IV**, M.D., the Dr. Max and Buena Lichter Research Professor of Family Medicine and assistant chair for Research Programs in the Department of Family Medicine; **Cameron G. Schultz** (Ph.D. 2012), director of Scholarly Projects in the Department of Family Medicine; et al.: *Screening and Prevention in Primary Care: Primary Care: Clinics in Office Practice* (Volume 41, Number 2), Elsevier, 2014. **Joel J. Heidelbaugh**, M.D., professor of family medicine and of urology, was the consulting editor.

Mary Catherine Spires (Residency 1992), M.D., associate chair of clinical affairs and professor of physical medicine and rehabilitation; **Brian M. Kelly**, D.O., associate professor and director of academic programs for physical medicine and rehabilitation; and **Alicia Davis**, senior orthotist and prosthetist in the Orthotics and Prosthetics Division of physical medicine and rehabilitation, co-edited *Prosthetic Restoration and Rehabilitation of the Upper and Lower Extremity*, Demos Medical Publishing, 2014.

