



SELF-REPORTED NEWS from the SCHOOL OF MEDICINE COMMUNITY

Presentations, Events, Lectures & Workshops

Kudos to our colleagues who are experts in their fields and give their all to represent the School of Medicine!



Clement Adebamowo, BM, ChB, ScD, FWACS, FACS

► **Clement Adebamowo, BM, ChB, ScD, FWACS, FACS**, Professor, Department of Epidemiology & Public Health, was invited to give a presentation entitled "GWAS of Persistent High-Risk HPV Infection: Results from an H3Africa Collaborative Center" at the NIH National Cancer Institute's SeqSPACE Forum which took place virtually on June 8, 2021.

► **Marianne Cloeren, MD MPH**, Associate Professor, Department of Medicine, Division of Occupational and Environmental Medicine, presented at the American Occupational Health conference on May 3, 2021. Her presentation was titled "The Occupational Medicine Pipeline: International Approaches to Developing Occupational Medicine Expertise."

► **E. Ana Lia Graciano, MD, FAAP, FCCM**, Professor of Pediatrics/Division of Critical Care Medicine, was a guest speaker at the 2021 Spring Symposium organized by the Baltimore Chapter of the Society of Critical Care Medicine. Held on April 24, 2021, the symposium featured a multidisciplinary national and local faculty presenting critical care topics related to management of shock. Her presentation was entitled "The 2020 Surviving Sepsis Campaign Pediatric Guidelines: Are Children Different?"



Mangla Gulati, MD, FACP

► **Mangla Gulati, MD, FACP**, Associate Professor, Department of Medicine, and **Nidhi Goel, MD, MHS**, Assistant Professor, Departments of Medicine and Pediatrics, presented "Creating a Just Culture to Improve Patient Safety" at the Society of Hospital Medicine Converge Conference, which was held virtually in May 2021.



Marianne Cloeren, MD, MPH



Stella Hines, MD, MSPH

► **Stella Hines, MD, MSPH**, Associate Professor, Department of Medicine, Division of Occupational and Environmental Medicine, presented at the American Occupational Health conference on May 3, 2021. Her presentation was titled "Beryllium and the BeLPT: What Every Occupational Medicine Provider Needs to Know."

► **Gregory Jasani, MD**, Resident, Department of Emergency Medicine, delivered brief remarks on HR 1195, the Workplace Violence Prevention for Health Care and Social Service Workers Act, at a Capitol Hill press conference on April 19, 2021, as an invited guest of Congressman Joe Courtney (D-CT).

► **Feyruz Rassool, PhD**, Professor, Department of Radiation Oncology, gave an invited virtual presentation on May 12 at the 2021 Bassett Center for BRCA 9th Annual Scientific Symposium, which was sponsored by Penn Medicine. The presentation was on "Expanding PARP Inhibitors Beyond BRCA Mutations: Linking DNA Damage to Immune Signaling."



Feyruz Rassool, PhD



Emerson Wickwire, PhD

► **Emerson Wickwire, PhD**, Associate Professor, Departments of Psychiatry and Medicine, presented an invited grand rounds presentation at the University of Arizona, Division of Pulmonary, Critical Care, and Sleep Medicine. The title of the presentation was "Value-Based Sleep: An Introduction to Sleep Health Economics."

Appointments

We applaud our colleagues on their recent appointments!



Peter Bowman, PT, DPT, FAAOMPT

► **Peter Bowman, PT, DPT, FAAOMPT**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, has been appointed as the Director of Clinical Therapy Services for University of Maryland Orthopaedic Associates.

► **Roy Film, PT, MPT, DPT, OCS, FAAOMPT**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, has accepted an invitation from the World Health Organization (WHO) to work on the development of the Package of Interventions for Rehabilitation (PIR) as a member of the WHO Rehabilitation Programme's Peer Review Group for Musculoskeletal Conditions.



Roy Film, PT, MPT, DPT, OCS, FAAOMPT

► **Wendy Lane, MD, MPH**, Clinical Associate Professor, Department of Epidemiology & Public Health, has been appointed Director of the Maryland CHAMP program (Child Abuse Medical Professionals), an MDH sponsored program that provides training and peer review to Maryland physicians and nurses who do clinical child abuse work.

► **Taylor Miller, MD**, Resident, Department of Emergency Medicine, was invited to be the first Assistant Vice Chair of the Emergency Medicine Residents' Association Critical Care Committee. The one-year appointment began April 15, 2021.

► **Alexis Salerno, MD**, Assistant Professor, Department of Emergency Medicine, successfully obtained official approval from the Emergency Ultrasound Fellowship Accreditation Council for the department's new ultrasound fellowship on April 8, 2021. Dr. Salerno will serve as the Advanced Emergency Medicine Ultrasonography Fellowship Director.



Wendy Lane, MD, MPH

Honors & Awards

Congratulations to the following who have received honors!



Jonathan Baghdadi, MD, PhD

► **Jonathan Baghdadi, MD, PhD**, Assistant Professor, Department of Epidemiology & Public Health, has been selected as one of the National Academy of Medicine's (NAM) 10 professionals for the inaugural class of the NAM Scholars in Diagnostic Excellence program. He was recognized for his proposal, "Diagnostic Stewardship of Multiplex Molecular Panels to Reduce Diagnostic Error." Funded by the Gordon and Betty Moore Foundation, this collaborative program with the Council of Medical Specialty Societies (CMSS) supports up to 10 scholars in a one-year, part-time experience to advance the scholars' diagnostic skills, reduce diagnostic errors that lead to patient harm, and accelerate their career

development as national leaders in this field. The scholars were chosen based on their professional qualifications and accomplishments, demonstrated leadership in the field, potential to advance diagnostic excellence, and quality, feasibility, and implementation of their project proposals.

► **Rana Malek, MD**, Clinical Associate Professor, Department of Medicine, is the recipient of the H. Jack Baskin, MD, Endocrine Teaching Award, which was awarded by the American Association of Clinical Endocrinology at its 2021 AACE Annual Meeting.

► **Olivia Uddin, MD**, PhD candidate in the laboratory of **Asaf Keller, PhD**, Professor and Chair, both in the Department of Anatomy and Neurobiology, was selected as an award recipient for the 2021 NIH Outstanding Scholars in Neuroscience Award Program (OSNAP).



Rana Malek, MD

► **Zeljko Vujaskovic, MD, PhD**, Professor, Department of Radiation Oncology, was named in May as a recipient of a Lifetime Achievement award from the *Maryland Daily Record* as part of its annual Healthcare Heroes recognitions. The awards will be presented at a virtual ceremony on June 24.

► **Rachel Wiltjer, DO**, Resident, Department of Emergency Medicine, was a winner of the Council of Residency Directors' 2021 Clinical Pathologic Case Competition Semifinals on April 12, 2021. **Reed Macy, MD**, Resident, and **Sam Yarmis, MD**, Resident, both from the Department of Emergency Medicine, were runners-up.



Zeljko Vujaskovic, MD, PhD

► According to the latest rankings of NIH funding, the University of Maryland School of Medicine's **Department of Anesthesiology** ranked #10 amongst all U.S. Departments of Anesthesiology. Since 2016, for five years in a row, the department has been ranked #11 or higher. Being in the top 10 for two years in a row is a great accomplishment, especially in this era of constrained NIH funding. By way of comparison, only 52 Anesthesiology departments have any NIH funding. The department's NIH funding is listed in the Blue Ridge report at \$7.5M; the median funding for all U.S. Anesthesiology Departments is \$2.1M.

► Shock Trauma GO-TEAM members **Em Drager, CRNA**, and **Gerald Slobogean, MD, MPH**, Associate Professor, Department of Orthopaedics, have been nominated for a Maryland Institute for Emergency Medical Services Systems (MIEMSS) Star of Life Award for their role in an emergency response call in the summer of 2020 at Rocks State Park. Working with first responders, the patient—whose leg was entrapped by rocks in the rapids—was successfully extricated and taken to a nearby hospital for care. The GO-TEAM is comprised of highly-trained members who are called upon to assist with extrications that may take more than one hour, and they serve as a specialized component of Maryland's statewide emergency medical system. The Shock Trauma GO-TEAM is composed of an attending physician (anesthesiologist, surgeon, critical care medicine specialist) and a certified registered nurse anesthetist. The Star of Life Awards honor those who help to prevent death and disability from injury or sudden illness.



Gerard Slobogean, MD, MPH

► Two Program in Neuroscience students, **Lace Riggs, PhD** Candidate, and **Olivia Uddin, MD/PhD** Candidate, were selected for the prestigious NIH Outstanding Scholars in Neuroscience Award Program. The award is meant to recognize those who are conducting exceptional research and have great academic potential in their scientific PhD (or PhD equivalent) programs and early postdoctoral careers. Only 25 neuroscientists are selected for this award across the nation, which includes: (1) a certificate honoring selection as an NIH OSNAP recipient; (2) an invitation to visit the NIH either in person at the Bethesda, MD, campus or virtually (if necessary) for an Award Symposium where awardees meet with NIH leadership, investigators, and research trainees to learn about the unique resources and research conducted in the Intramural Research Program (IRP); (3) the opportunity to present a poster about their own research; and (4) the opportunity to meet with Program Officers from institutes of interest to learn about funding opportunities.

In the News

A job well done to all who have kept us in the media spotlight!

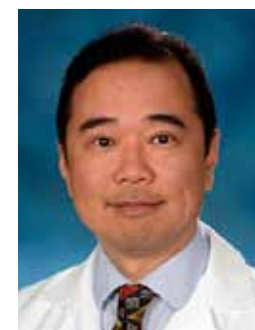
► **Kenneth Butler, DO**, Associate Professor, Department of Emergency Medicine, was featured in "The Physiologically Difficult Airway," episode of the Critical Care Perspectives in Emergency Medicine podcast on April 20, 2021, discussing pearls and pitfalls in intubating patients with physiologic derangements that place them at high-risk for peri-intubation catastrophes.



Elizabeth Clayborne, MD, MA

► **Elizabeth Clayborne, MD, MA**, Adjunct Assistant Professor, Department of Emergency Medicine, was interviewed for "Doctor on J&J Vaccine: 'You Have a Much Higher Risk of Getting a Blood Clot if You Smoke,' which was published by *Yahoo Finance* on April 19, 2021.

► **Zhe Han, PhD**, Associate Professor, Division of Endocrinology Diabetes and Nutrition, Department of Medicine, and Director, Center for Precision Disease Modeling, has reported findings on a cancer drug, remdesivir, that is showing potential to lessen the toxicity of a protein from the virus that causes COVID-19. This discovery opens the door to testing more effective drugs for treating COVID-19 patients. Dr. Han's findings were reported simultaneously on March 25, 2021 in two *Cell & Bioscience* articles. A press release from the University of Maryland School of Medicine resulted in 22 published articles from at least nine different countries and was reported locally on *WBAL-TV*.



Zhe Han, PhD

Grants & Contracts

Congratulations to our very productive faculty on their recent grants and contracts!



Thomas Blanpied, PhD

► **Thomas Blanpied, PhD**, Professor, Department of Physiology, was awarded a one-year, \$600,000 S10 grant from the National Institute of Health, Office of the Director, for “A Lightsheet Microscope for an Established Core Facility.”

► **Linda Chang, MD, MS**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded a \$5,407,500 Avant-Garde Award Program for HIV/AIDS and Substance Use

Disorder Research (DP1) for “MR-Guided Focused Ultrasound to Eradicate CNS Viral Reservoirs and Promote Neurogenesis in the HIV-Infected Brain.” The PAR-20-221: NIDA Avant-Garde Award Program for HIV/AIDS and DP1 is part of the Director’s Pioneer Award mechanism at NIDA that supports investigators with exceptional creativity proposing high impact research projects that will open new areas of HIV/AIDS research relevant to substance use disorders (SUD) and lead to novel avenues for prevention and treatment of HIV/AIDS among people who use drugs (PWUD).



Linda Chang, MD, MS

► **Jason Falvey, PT, DPT, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, received funding as a subcontractor on the grant titled, “Neighborhood Socioeconomic Disadvantage and Nursing Home Outcomes.” This two-year project, from December 2020-November 2022, in the amount of \$26,796, will assess the association between neighborhood socioeconomic disadvantage and the quality of nursing homes in those neighborhoods. The primary sponsor for the project is the Patrick and Catherine Weldon Donaghue Medical Research Foundation.



Jason Falvey, PT, DPT, PhD

► **Erin Hager, PhD**, Associate Professor, Department of Pediatrics, is the principal investigator on “COVID-19 Policies: Impact Over Time on Child Health, Obesity, and Disparities” R01 HD105356-01 grant from the Eunice Kennedy Shriver National Institute of Child Health and Human Development, total direct and indirect costs: \$3,033,138. **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, and **Elizabeth Parker, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, are co-investigators.



Erin Hager, PhD

► **Sara Keefer, PhD**, Postdoctoral Fellow in the laboratory of **Donna Calu, PhD**, Assistant Professor, both from the Department of Anatomy and Neurobiology, received a three-year, \$211,650 Postdoctoral National Research Service Award from the National Institute of Drug Abuse (NIH/NIDA) for “Individual Differences in Cortical-Striatal Pathway Utilization Regulating Flexibility.” **Asaf Keller, PhD**, Professor and Chair, Department of Anatomy and Neurobiology, is co-sponsor.



Wendy Lane, MD, MPH

► **Wendy Lane, MD, MPH**, Clinical Associate Professor, Department of Epidemiology & Public Health, received a nine-month, \$11,802 contract with the Sinai Hospital of Baltimore for work on a project entitled, “The Maryland CHAMP Program.” Dr. Lane also received \$7,500 in supplemental funding for her ongoing project, “B’more for Healthy Babies,” which is funded through the Zanyvl and Isabelle Krieger Fund.

► **Jason Molitoris, MD, PhD**, Assistant Professor, Department of Radiation Oncology, received \$186,983 in funding for one year from



Jason Molitoris, MD, PhD

Neotherma Oncology for “Early Feasibility Study to Evaluate the Initial Safety and Device Functionality of VectRx Thermal Therapy Added to Neo-Adjuvant Treatment of Pancreatic Tumors.”



Jacques Ravel, PhD

► **Jacques Ravel, PhD**, Professor, Department of Microbiology and Immunology, and Associate Director, Institute for Genome Sciences, received from the National Institute of Allergy and Infectious Diseases (NIAID) a five-year \$8 million U19 grant for “Structure, Immunity and Microbiome: Human 3D Bioimimetrics Cervicovaginal Models for Sexually Transmitted Infections (SIM-STI).” The goal of this project is to develop an innovative bio-mimetic model of the lower reproductive tract

to study aspects of the sexually transmitted infections, like chlamydia and gonorrhea, that are not achievable in humans or with current animal or cell models, including deciphering the mechanistic underpinning of the role of cervicovaginal microbiota in susceptibility or protection against these infections. The grant is in collaboration with **Patrik Bavoil, PhD**, Professor, and Chair, Department of Microbial Pathogenesis, School of Dentistry, University of Maryland, Baltimore.

► **Muhammad Saleh, PhD**, Research Associate, Department of Diagnostic Radiology and Nuclear Medicine, was awarded \$346,596 for a two-year K99 grant from NIDA for “Neurometabolic Profile of Tobacco Smoking in HIV-Infected Individuals.”



Matthew Trudeau, PhD

► **Matthew Trudeau, PhD**, Professor, Department of Physiology, was awarded a Maryland Stem Cell Research Fund Discovery grant for “Using Non-Canonical Amino Acids to Repair hERG LQT2 Mutants in hiPSC-CMs.”



Muhammad Saleh, PhD

► **Brittney Williams, MD**, Assistant Professor, Department of Anesthesiology, was awarded the Mentored Clinical Scientist

Research Career Development Award for her project, titled “Role of miRNA-TLR7 Signaling in Platelet Activation and Dysfunction in Sepsis,” which was funded by the NIH National Heart, Lung, and Blood Institute (NHLBI). The award lasts five years and provides more than \$810,000 of total support. This is the first K08 award in the Department of Anesthesiology.



Brittney Williams, MD

► **Gerald Wilson, PhD**, Associate Professor, Department of Biochemistry and Molecular Biology, was awarded a three-year R21 grant from the NCI for “Suppressing Oncogenic RNA Regulons Using Engineered Zinc Finger Nucleases.”



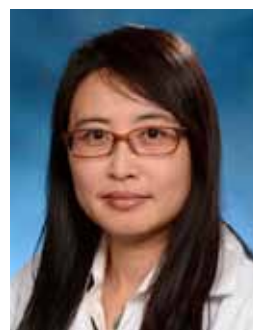
Gerald Wilson, PhD

► **Zhekang Ying, PhD**, Assistant Professor, and **Liqing Yu, PhD**, Professor, both from the Department of Medicine, received a five-year, \$3,124,436 grant from the National Institute of Environmental Health Sciences (NIEHS) for “Mechanism for Programming of Offspring Adiposity by Maternal PM2.5 Exposure.”



Zhekang Ying, PhD

► **Lin Zou, MD, PhD**, Assistant Professor, Department of Anesthesiology, was awarded a two-year \$83,000 R35 grant from the National Institute of General Medical Sciences for “Function and Mechanisms of Extracellular MicroRNAs in Sepsis-Induced Lung Injury.”



Lin Zou, MD, PhD

Publications

Hats off to those who have been published!



Sally Adebamowo, MBBS, MSc, ScD

► **Sally Adebamowo, MBBS, MSc, ScD**, Assistant Professor, Department of Epidemiology & Public Health, co-authored “High-Depth African Genomes Inform Human Migration and Health,” which was published in *Nature* on April 12, 2021.

► **Omer Awan, MD, MPH**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the author of “Are Radiology Educators Using Technology Appropriately?” which was e-published in the March 2021 issue of *Current Problems in Diagnostic Radiology*. Separately, Dr. Awan was among the co-authors of “Current Landscape of Imaging and the Potential Role for Artificial Intelligence in the Management of COVID-19,” which was published in the May-June 2021 issue of *Current Problems in Diagnostic Radiology*.

► **Amber Beitelshes, PharmD, MPH**, Associate Professor, Department of Medicine, and **Daniel Lemkin, MD, MS**, Assistant Professor, Department of Emergency Medicine, were among the co-authors of “Opportunity for Genotype-Guided Prescribing among Adult Patients in 11 US Health Systems,” which was published in *Clinical Pharmacology & Therapeutics* on January 11, 2021, and “Prescribing Prevalence of Medications with Potential Genotype-Guided Dosing in Pediatric Patients,” which was published in the December 2020 issue of *JAMA Network Open*



Amber Beitelshes, PharmD, MPH

► **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, was the lead author of “Grow Smart: A Cluster Randomized Trial of Point-of-Use Fortification of Preschool Meals with Multiple Micronutrient Powders Improves Expressive Language and Reduces Anemia and Iron Deficiency in Rural India,” which was published in the *Journal of Nutrition* on April 22, 2021. Separately, Dr. Black, along with **Angela Trude, PhD**, Postdoctoral Fellow, and **Alysse Kowalski, PhD**, Postdoctoral Fellow, all from the Department of Pediatrics, were co-authors of “Growth in the First 1000 Days Lays the Foundation



Maureen Black, PhD

for Human Capital Formation,” which was published in the *American Journal of Clinical Nutrition* on April 6, 2021. Drs. Black and Trude also were authors of “Nurturing Care Promotes Human Capital from Preconception through Adolescence,” which was published in *BMJ Global Health* on April 27, 2021.

► **Thomas Blanpied, PhD**, Professor, Department of Physiology; **Austin Ramsey**, Graduate Student, Program in Neuroscience; and **Tyler Tarr, PhD**, Postdoctoral Fellow, Department of Physiology, were among the co-authors of “Synapse and Active Zone Assembly in the Absence of Presynaptic Ca²⁺ Channels and Ca²⁺ Entry,” which was published in *Neuron* on August 19, 2020.



Thomas Blanpied, PhD

► **Alexis Boscak, MD**, Assistant Professor; **Uttam Bodanapally, MBBS**, Associate Professor; and **Kathirkama Shanmuganathan, MBBS**, Professor (deceased), all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Segmental Bowel Hypoenhancement on CT Predicts Ischemic Mesenteric Laceration after Blunt Trauma,” which was e-published in the April 2021 issue of the *AJR American Journal of Roentgenology*. Dr. Boscak was first author and Dr. Shanmuganathan was last author.



Alexis Boscak, MD

► **Wan-Tsu Chang, MD**, Assistant Professor, Department of Emergency Medicine, was among the authors of “Factors Associated with Tracheostomy Decannulation in Patients with Severe Traumatic Brain Injury,” which was published in *Brain Injury* on July 2, 2020.

► **Nina Connolly, PhD**, Postdoctoral Fellow, Department of Neurosurgery; **Rebeca Galisteo**, Department of Surgery; **Su Xu, PhD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine; **Eli Bar, PhD**, Associate Professor, Department of Pathology; along with **Sen Peng**, Translational Genomics Research Institute, Cancer and Cell Biology; Nhan Tran, with Mayo Clinic Arizona, Cancer Biology; **Heather Ames, MD, PhD**, Assistant Professor, Department of Pathology; **Anthony Kim, PhD**, Associate Professor, Department of Neurosurgery; **Graeme Woodworth, MD**, Professor, also with the Department of Neurosurgery; and **Jeffrey Winkles, PhD**, Professor, Department of Surgery, were co-authors of “Elevated Fibroblast Growth Factor-inducible 14 (Fn14) Expression Transforms Proneural-Like Gliomas into More Aggressive and Lethal Brain Cancer,” which was published in *GLIA* on March 28, 2021.



Su Xu, PhD



Vincent Conroy, PT, DScPT

► **Vincent Conroy, PT, DScPT**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was a co-author of “Four Square Step Test Performance in Hip Fracture Patients,” which was published in the *Journal of Geriatric Physical Therapy*.

Former Trauma Inpatients with and without Substance Use Disorders,” which was published in *Injury* on October 10, 2020.

► **Zachary Dezman, MD, MS, MS**, Assistant Professor, Department of Emergency Medicine, was first author of “20-Year Mortality after Discharge in a Cohort of 1,099

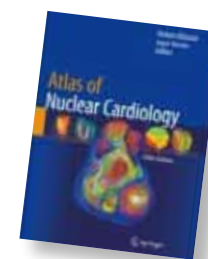


Zachary Dezman, MD, MS, MS



Vasken Dilsizian, MD

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the co-editor of a book, entitled *Atlas of Nuclear Cardiology, 5th Edition*, Springer, New York, NY, 2021. The monograph has become the standard reference source for the field since the publication of the 1st edition, nearly 20 years ago, and has been on the recommended reference list for the Certification Board of Nuclear Cardiology since its inception.



David Dreizin, MD

► **David Dreizin, MD**, Associate Professor (first author); **Dheeraj Gandhi, MBBS**, Professor; and **Robert Morales, MD**, Assistant Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “CT of Skull Base Fractures: Classification Systems, Complications, and Management,” which was published in the May-June 2021 issue of *Radiographics*.

► **Thomas Ernst, Dr rer nat**, Professor; **Christine Cloak, PhD**, Assistant Professor; and **Linda Chang, MD, MS**, Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Associations between Frontal Lobe Structure, Parent-Reported Obstructive Sleep Disordered Breathing and Childhood Behavior in the ABCD Dataset,” which was published in the April 2021 issue of *Nature Communications*.



Dheeraj Gandhi, MBBS

► **Dheeraj Gandhi, MBBS**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the last author of “Evidence-Based Vascular Neuroimaging,” which was published in the May 2021 issue of *Neuroimaging Clinics of North America*. Separately, Dr.

Gandhi was last author of “Management of Unruptured Intracranial Aneurysms,” which was also published in the same issue.



Zhe Han, PhD

► **Zhe Han, PhD**, Associate Professor, Department of Medicine, was the co-author of “High-Throughput Yeast Replicative Lifespan Screen Shows That Histone Deacetylase Complex HDA Regulates Aging,” which was published in *Nature Communications* on March 31, 2021, and was co-author of “Autophagy Inhibition Rescues Structural and Functional Defects Caused by the Loss of Mitochondrial Chaperone Hsc70-5/Mortalin in *Drosophila*,” which was published in *Autophagy* on January 6, 2021.

► **Rydhwana Hossain, MD**, Assistant Professor; **Jean Jeudy, MD**, Professor; and **Charles White, MD**, Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Utilization of Coronary Artery Disease Reporting and Data System: A Survey of Cardiovascular Imaging Societies,” which was e-published in the March 2021 issue of the *Journal of Computer Assisted Tomography*.



Charles White, MD

► **Jason Hostetter, MD**, Assistant Professor; **Timothy Miller, MD**, Associate Professor; and **Dheeraj Gandhi, MBBS**, Professor, (last author), all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Imaging for Treated Aneurysms (Including Clipping, Coiling, Stents, Flow Diverters),” which was published in the May 2021 issue of *Neuroimaging Clinics of North America*.



Jason Hostetter, MD

► **Miroslaw Janowski, MD, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Mesenchymal Stem Cells for Neurological Disorders,” which was published in the February 2021 issue of *Advanced Science* (Weinheim, Baden-Wurttemberg, Germany).



Miroslaw Janowski, MD, PhD

► **Young Kwok, MD**, Professor, Department of Radiation Oncology, was among the authors of “Salvage Stereotactic Body Radiotherapy (SBRT) for Intraprostatic Relapse after Prostate Cancer Radiotherapy: An ESTRO ACROP Delphi Consensus,” which was e-published in *Cancer Treatment Reviews* on April 20, 2021.



Young Kwok, MD

► **Joshua Lewis, PhD**, Associate Professor, Department of Medicine, was among co-senior authors of “Genome Sequencing Unveils a New Regulatory Landscape of Platelet Reactivity,” which was published in *Nature Communications* on April 13, 2021.

► **Natallia Makarava**, Research Associate (first author); **Olga Mychko**, Lab Technician; **Jennifer Chen-Yu Chang**, Research Assistant; **Kara Molesworth**, Laboratory Specialist; and **Iliia Baskakov, PhD**, Professor (senior author), all from the Department of Anatomy and Neurobiology and The Center for Biomedical Engineering and Technology, were the authors of “The Degree of Astrocyte Activation is Predictive of the Incubation Time to Prion Disease,” which was published in *Acta Neuropathologica Communications* on May 12, 2021.



Iliia Baskakov, PhD

► **Amal Mattu, MD**, Professor, Department of Emergency Medicine, was among the authors of “The



Amal Mattu, MD

Relationship of Large City Out-of-Hospital Cardiac Arrests and the Prevalence of COVID-19,” which was published in *EClinicalMedicine* on April 7, 2021.



Mark Mishra, MD

► **Mark Mishra, MD**, Associate Professor, Department of Radiation Oncology, was among the authors of “Mapping Expanded Prostate Cancer Index Composite to EQ5D Utilities to Inform Economic Evaluations in Prostate Cancer: Secondary Analysis of NRG/RTOG 0415,” which was published in *PLoS One* on April 1, 2021.

► **Pranshu Mohindra, MD**, Associate Professor, Department of Radiation Oncology, was among the authors of “Selection of Mediastinal Lymphoma Patients for Proton Therapy within the Proton Collaborative Group Registry: Concordance with the ILROG Guidelines,” which was e-published in the *American Journal of Clinical Oncology* on April 13, 2021.



Pranshu Mohindra, MD

► **Dipanjnan Pan, MSc, PhD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Ultrafast Nanometric Imaging of Energy Flow within and between Single Carbon Dots,” which was published in the March 2021 issue of *Proceedings of the National Academy of Sciences of the United States of America*.



Dipanjnan Pan, MSc, PhD

► **Thomas Ptak, MD, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Development of a Computed Tomography Perfusion Protocol to Support Large Animal Resuscitation Research,” which was e-published in the *Journal of Trauma and Acute Care Surgery* on March 23, 2021.



Thomas Ptak, MD, PhD

► **Riccardo Serra, MD**, Resident, Department of Neurosurgery, was the first author of “Disulfiram and Copper Combination Therapy Targets NPL4, Cancer Stem Cells and Extends Survival in a Medulloblastoma Model,” which was published in *PLoS One* on May 7, 2021.



Riccardo Serra, MD

► **Kinjal Sethuraman, MD, MPH**, Assistant Professor, Department of Emergency Medicine, was second author of

“Association between Level of Care and Colonization with Resistant Gram-Negative Bacteria among Nursing-Home Residents,” which was published in *Infection Control and Hospital Epidemiology* on March 22, 2021.



Kinjal Sethuraman, MD, MPH

► **Osman Siddiqui, MD**, Resident, Department of Radiation Oncology, was among the authors of “A Rare Cause of Esophagopleural Fistula Due to Intensity-Modulated Proton Therapy: A Case Report and Review of Literature,” which was e-published in the *Clinical Journal of Gastroenterology* on April 27, 2021.



J. Marc Simard, MD, PhD

► **J. Marc Simard, MD, PhD**, Professor; **Volodymyr Gerzanich, PhD**, Associate Professor; and **Seong Woo, PhD**, Assistant Professor, all from Department of Neurosurgery, and **Min Kwon, PhD**, Research Associate, Department of Surgery, were co-authors of “Abcc8 (Sulfonylurea Receptor-1) Impact on Brain Atrophy after TBI Varies by Sex,” which was published in the *Journal of Neurotrauma* on May 3, 2021.



Mark Smith, PhD

► **Mark Smith, PhD**, Associate Professor; **Wengen Chen, MD, PhD**, Professor; and **Vasken Dilsizian, MD**, Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Metabolic Scar Assessment with 18F-FDG -PET: Correlation to Ischemic VT Substrate and Successful Ablation Sites,” which was e-published in the April 2021 issue of the *Journal of Nuclear Medicine*.

► **Sarah Sommerkamp, MD**, Assistant Professor, and **Zachary Dezman, MD, MS, MS**, Assistant Professor, both from the Department of Emergency Medicine, were among the authors of “Comparison of 4 Tests’ Utility for Predicting Need for Emergency Department Care in Patients with Alcohol-Related Complaints,” which was published in the *American Journal of Emergency Medicine* on January 29, 2021.



Jesse Stokum, MD, PhD

► **Jesse Stokum, MD, PhD**, Resident, (corresponding author); **Gregory Cannarsa, MD**, Resident; **Aaron Wessell, MD**, Resident; **Phelan Shea, MD**, Resident; **Nicole Wenger, MD**, Resident; and **Marc Simard, MD, PhD**, Professor, all from the Department of Neurosurgery, were the authors of “When the Blood Hits Your Brain: The Neurotoxicity of Extravasated Blood,” which was published in the *International Journal of Molecular Sciences* on May 12, 2021.

► **Pamela Strissel, PhD**, Associate Professor, Department of Radiation Oncology, was among the authors of “Endogenous Retroviral-K Envelope is a Novel Tumor Antigen and Prognostic Indicator of Renal Cell Carcinoma,” which was published in *Frontiers in Oncology* on April 22, 2021.

► **Stephen Thom, MD, PhD**, Professor, Department of Emergency Medicine, was:

- among the authors of “The Role of Hyperbaric Oxygen Treatment for COVID-19: A Review,” which was published in *Advances in Experimental Medicine and Biology* on July 22, 2020.
- second author of “Effects of Adjunctive Therapeutic Hypothermia Combined with Hyperbaric Oxygen Therapy in Acute Severe Carbon Monoxide Poisoning,” which was published in the August 2020 issue of *Critical Care Medicine*.



Stephen Thom, MD, PhD

► **R. Gentry Wilkerson, MD**, Associate Professor, and **Maite A. Huis in 't Veld, MD**, Adjunct Assistant Professor, both from the Department of Emergency Medicine, were among the authors of:

- “European Society of Cardiology 0-hour/1-hour High-Sensitivity Troponin Algorithm Performance in a United States Cohort” and “One and Done? Performance of a Single, Low High-sensitivity Troponin in a Multisite United States Cohort,” both which were published in the July 2020 issue of *Academic Emergency Medicine*.

- “Evaluation of European Society of Cardiology (ESC) 0/1-hour Algorithm in the Diagnosis of 90-day Major Adverse Cardiovascular Events: A Multicenter United States Cohort Study,” which was published in the *European Heart Journal* on November 25, 2020.

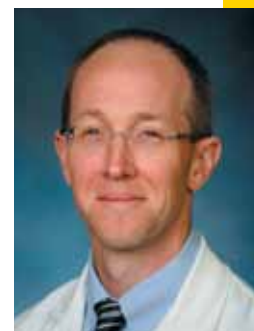
► **George Willis, MD**, Assistant Professor, Department of Emergency Medicine, was second author of “Evaluation and Management of the Critically Ill Adult with Diabetic Ketoacidosis,” which was published in the *Journal of Emergency Medicine* on August 4, 2020.

► **Mike Winters, MD**, Professor, Department of Emergency Medicine, was among the:

- authors of “Angiotensin II for the Emergency Physician,” which was published in the November 2020 issue of the *Emergency Medicine Journal*.
- discussants in the twice-monthly podcast, *Critical Care Perspectives in Emergency Medicine*, episodes:
 - “The Physiologically Difficult Airway,” published April 20, 2021.
 - “Early ED [Emergency Department] Sepsis Care,” published May 10, 2021.



R. Gentry Wilkerson, MD



Mike Winters, MD



Jiachen Zhuo, PhD

► **Jiachen Zhuo, PhD**, Assistant Professor; **Li Jiang, PhD**, Research Associate; **Chandler Sours Rhodes, PhD**, Adjunct Assistant; **Steven Roys, MS**, Research Associate; **Rao Gullapalli, PhD, MBA**, Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Early Stage Longitudinal Subcortical Volumetric Changes following Mild Traumatic Brain Injury,” which was e-published in the April 2021 issue of *Brain Injury*. Separately, Dr. Gullapalli was among

the co-authors of “Association of Sex and Age with Mild Traumatic Brain Injury-Related Symptoms: A TRACK-TBI Study,” which was published in the April 2021 issue of *JAMA Network Open*. Dr. Gullapalli was also among the co-authors of “Red Cell Distribution Width, Anemia, and Brain Volumetric Outcomes Among Middle-Aged Adults,” which was e-published in the April 2021 issue of the *Journal of Alzheimer’s Disease*.

New Faculty

We welcome our new faculty!

► **Montasir Elahi, MD, D.Eng**, joined the Department of Obstetrics, Gynecology and Reproductive Sciences in the Division of Research on March 29, 2021, as a Research Associate. Dr. Elahi received his D.Eng in Biotechnology from Tokyo University of Agriculture and Technology, Tokyo, Japan in 2004. He received his postdoctoral training at Juntendo University School of Medicine, Tokyo, Japan from April 2014 to March 2016. Subsequently, he was promoted to Project Assistant Professor in the same university. He has extensive experience in the link between diabetes and Alzheimer’s disease. Dr. Elahi will conduct research in early neural development impacted by maternal diabetes and will establish a new line of research in the effect of insulin resistance/diabetes on the ontogeny and progression of Alzheimer’s disease.



Kathleen Kane, PsyD

► **Kathleen Kane, PsyD**, joined the Department of Psychiatry and holds a secondary appointment within the Department of Pediatrics, effective April 26, 2021. Dr. Kane received her Doctor of Psychology at the American School of Professional Psychology at Argosy University in Arlington, VA, in 2010. She did a predoctoral Internship in Pediatric Psychology at Mt. Washington Pediatric Hospital (MWPH) in Baltimore from 2009 to 2010. She followed this with a postdoctoral fellowship in Pediatric Psychology at MWPH from 2010 to 2011.

► **Lei Ren, PhD**, joined the Department of Radiation Oncology on March 15, 2021, as a Professor and Director of Medical Physics Research in the Division of Medical Physics. He was previously at Duke University, where he was a Professor and Director of Physics Research in the Radiation Oncology Department. Dr. Ren received his undergraduate degree from the Academic Talent Program in Tsinghua University (Beijing, China). He completed his PhD in medical physics from Duke University. His research focuses are development and applications of artificial intelligence for image-guided radiation therapy, including image reconstruction, processing, registration, synthesis, 4D imaging, as well as radiomics and clinical decision making. His research has been funded by multiple NIH R01 and industry grants. He also provides frequent reviews at NIH study sections.

► **Elizabeth Tunkle, BSN, MSN**, joined the Department of Obstetrics, Gynecology and Reproductive Sciences in the Division of Midwifery on May 10, 2021, as an Instructor. Ms. Tunkle earned her Bachelor of Science degree in Nursing from Johns Hopkins University School of Nursing in 2012. She received her Master of Science degree in Nurse Midwifery/Women's Health Nurse Practitioner from Georgetown University in 2017. She is experienced in providing primary and specialty health care for women, including educating women on birth options and partnering with them in planning their child's birth. Ms. Tunkle is also experienced as an Emergency Room Nurse and has developed skills to quickly assess patient needs and learned to work collaboratively with doctors and staff to provide exceptional patient care skills. Her responsibilities will include providing care in our ambulatory centers and the Obstetrical Care Unit (L&D).



Bingbing Wang, PhD

► **Bingbing Wang, PhD**, joined the Department of Obstetrics, Gynecology and Reproductive Sciences in the Division of Research on April 12, 2021, as an Assistant Professor. Dr. Wang earned his PhD in Pathobiology in 2003 from the University of Washington in Seattle, WA, followed by a two-year fellowship in Medical Genetics at the University of Washington, and a five-year fellowship in Pathology and Immunology at Harvard Medical School and Dana Farber Cancer Institute in Boston, MA. Dr. Wang was appointed as Research Assistant Professor with the Department of Obstetrics, Gynecology and Reproductive Sciences at Rutgers Robert Wood Johnson Medical School in New Brunswick, NJ.

► **Jinghao Zhou, PhD**, joined the Department of Radiation Oncology on May 3, 2021, as an Associate Professor and will be working at the department's Shore Health location. He was previously at the Rutgers–Robert Wood Johnson Medical School, where he was an Associate Professor in the Radiation Oncology Department. From 2013 to 2018, he worked at Maryland's Upper Chesapeake community practice site. Dr. Zhou received his undergraduate degree in biomedical engineering from Tsinghua University (Beijing, China) and completed his PhD in biomedical engineering at Rutgers. His research interests focus on development of applications in image-guided radiation therapy, biomedical image analysis and modeling, computer vision, and machine learning.



Jinghao Zhou, PhD

HOW TO SUBMIT INFORMATION TO THE **Buzz**

If you would like to acknowledge an award, presentation, publication, or other noteworthy accomplishments, please send the information to the liaison within your department, program, center or office.

OR

You may submit your *Buzz* items online:

<https://umbforms.wufoo.com/forms/z150ub5x10bz167/>

Research Communications Network

Many thanks to the following who serve as your liaison for the information you see in *What's the Buzz?*

DEPARTMENTS

- **Anatomy & Neurobiology:** Leslie Fitzpatrick | lfitzpatrick@som.umaryland.edu
- **Anesthesiology:** Candace Gaphardt | cgaphardt@som.umaryland.edu
- **Biochemistry & Molecular Biology:** Qun Zhou | qzhou@som.umaryland.edu
- **Dermatology:** Laurie Timberlake | ltimberlake@som.umaryland.edu
Betsy Satosky | fsatosky@som.umaryland.edu
- **Diagnostic Radiology & Nuclear Medicine:** Brigitte Pocta | bpocta@umm.edu
- **Emergency Medicine:** Linda Kesselring | lkesselring@em.umaryland.edu
- **Epidemiology & Public Health:** Hannah Andrews | handrews@som.umaryland.edu
- **Family & Community Medicine:** Cathy Malecki | CathyMalecki@som.umaryland.edu
Erinn Smith | ErSmith@som.umaryland.edu
- **Medicine:** Molly Lutz | mlutz@medicine.umaryland.edu
- **Microbiology & Immunology:** Cecilia Lizer | clizer@som.umaryland.edu
- **Neurology:** Penelope Birkhead | pbirkhead@som.umaryland.edu
- **Neurosurgery:** Jake Balter | jbalter@som.umaryland.edu
- **OB-GYN:** Robin Kissinger | rkissinger@fpi.umaryland.edu
- **Ophthalmology:** Amy Kopec | akopec@som.umaryland.edu
- **Orthopaedics:** Dori Kelly | dkelly@umoa.umm.edu
- **Otorhinolaryngology:** Zubair Ahmed | zahmed@som.umaryland.edu
- **Pathology:** Lisa Rodgers | LIRodgers@som.umaryland.edu
- **Pediatrics:** Denise Hansen | dhansen@som.umaryland.edu
- **Pharmacology:** Shalon Edwards | NEdwards@som.umaryland.edu
- **Physical Therapy & Rehabilitation Science:** Donna Bethke | dbethke@som.umaryland.edu
- **Physiology:** Marty Lind | mlind@som.umaryland.edu
- **Psychiatry /BSRCU:** Lisa Cleary | lcleary@psych.umaryland.edu
- **Radiation Oncology:** Nancy Knight | nknight@umm.edu
- **Surgery:** Michele Mehrling | mmehrling@smail.umaryland.edu

INSTITUTES

- **Institute for Genome Sciences (IGS):** Sarah Pick | spick@som.umaryland.edu
Riham Keryakos | rkeryakos@som.umaryland.edu
- **Institute of Human Virology (IHV):** Nora Samarayanake | nsamarayanake@ihv.umaryland.edu
- **Institute for Clinical & Translational Research (ICTR):** Meriem Gaval Cruz | meriem.gavalcruz@umaryland.edu

RESEARCH CENTERS

- **Center for Biomedical Engineering and Technology (BioMet):** Pamela Wright | pbwright@umaryland.edu
- **Center for Integrative Medicine:** Rebekah Owens | rowens@som.umaryland.edu
- **Center for Stem Cell Biology:** Evets Morgan | emorgan@som.umaryland.edu
- **Center for Vaccine Development and Global Health:** Leslie Jamka | ljamka@som.umaryland.edu
Joanne Morrison | jmorrison@som.umaryland.edu
- **Center for Vascular & Inflammatory Diseases:** Yan Sun | yansun@som.umaryland.edu
- **Center for Innovative Biomedical Resources (CIBR):** Thomas McHugh | tmchugh@som.umaryland.edu
- **Center for Research on Aging:** Hannah Andrews | handrews@som.umaryland.edu
- **Center for Shock, Trauma and Anesthesiology Research (STAR-ORC):** Gabriela Felton | gfelton@anes.umm.edu

RESEARCH PROGRAMS

- **Program in Comparative Medicine:** Deborah Sanchez | dsanchez@umaryland.edu

- **Program in Genetics & Genomic Medicine:** Ruth Cosentino | rcosenti@som.umaryland.edu
- **Program in Health Disparities and Population Health:** Kate Tracy | ktracy@som.umaryland.edu
- **Program in Neuroscience:** Georgia Rogers | groggers@som.umaryland.edu
- **Program in Oncology:** Kelli Carroll | kcaroll1@umm.edu
- **Program in Trauma:** Betsy Burcham | bburcham@umm.edu

ACADEMIC PROGRAMS

- **Graduate Programs in Life Sciences (GPILS):** Sharron Graves | sgraves@som.umaryland.edu
- **Medical Scientist Training Program (MSTP):** Jane Bacon | jbacon@som.umaryland.edu
- **MD Admissions:** Sandra Quezada | squezada@medicine.umaryland.edu
- **Medical & Research Technology:** Cynthia Stambach | cstambach@som.umaryland.edu
- **Masters of Public Health (MPH):** Kara Longo | klongo@som.umaryland.edu

ADMINISTRATIVE UNITS

- **Faculty Affairs:** Robertha Simpson | rsimpson@som.umaryland.edu
- **Information Services:** Sharon Bowser | sbowser@som.umaryland.edu
- **Research Career Development:** Stacie Mendoza | smendoza@som.umaryland.edu
- **Student Affairs:** TBA
- **Student Research:** Jean Marie Roth | jroth@som.umaryland.edu