



SELF-REPORTED NEWS from the SCHOOL OF MEDICINE COMMUNITY

Grants & Contracts

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



Kathryn Hughes Barry, PhD, MPH

► **Kathryn Hughes Barry, PhD, MPH**, Assistant Professor, Department of Epidemiology & Public Health, received a one-year, \$4,946 award from the University of Maryland, Baltimore, Institute for Clinical and Translational Research (ICTR), for her project entitled, “Epigenomic and Transcriptomic Markers of Aggressive Prostate Cancer among African American Men.”

► **Gary Fiskum, PhD**, the Matjasko Professor in Anesthesiology Research and Vice Chair, was awarded a one-year, \$600,000 contract and a three-year, \$2,700,000 contract from the U.S. Air Force titled “Effects of Multiple Flights Following Impact-and Blast-Induced Traumatic Brain Injury on Long-Term Outcomes.”



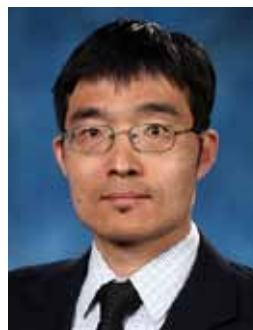
Gary Fiskum, PhD



Katherine Goodman, PhD, JD

► **Katherine Goodman, PhD, JD**, Assistant Professor, Department of Epidemiology & Public Health, received a five-year, \$606,637 training award (K01) from the Agency for Healthcare Research and Quality (AHRQ) for her project entitled, “Using Natural Language Processing and Machine Learning to Identify Patients at High Risk of Potentially Preventable Carbapenem-resistant Enterobacterales (CRE) Infection.”

► **Yajie Liang, MB, PhD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded a two-year, \$154,500 R03 grant from the National Institutes of Health/ National Institute of Neurological Disorders and Stroke (NIH/NINDS) for “Intravital 2-photon Microscopy Enabling 6D Single Cell RNA Seq in Immunocompetent Glioblastoma Xenografts.”



Yajie Liang, MB, PhD

► **Peiyong Liu, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded \$2,598,241 from NIH/NINDS for a four-year R01 grant entitled “Gas-Free Cerebrovascular Reactivity (CVR) MRI in Vascular Cognitive Impairment” and \$1,307,042 from NIH/NINDS for a three-year R01 grant transferred from Johns Hopkins University entitled “Extramural Research Programs in the Neurosciences and Neurological Disorders.”

► **Mary Kay Lobo, PhD**, Professor, Department of Anatomy and Neurobiology, received a five-year, \$1,780,984 competitive renewal of her grant from the National Institute on Drug Abuse (NIDA) for “Cocaine-Induced Mitochondrial Mechanisms and Molecular Mediators in Reward Circuitry.”



Mary Kay Lobo, PhD



Rebecca Nowak, PhD

► **Rebecca Nowak, PhD**, Assistant Professor, Department of Epidemiology & Public Health, received a two-year, \$444,573 R21 grant from the National Institute of Dental and Craniofacial Research for her project entitled “Evaluating Immunity to Oral Human Papillomavirus to Understand the Lower Oropharyngeal Cancer Risk among MSM.”

► **Lei Ren, PhD**, Professor, Department of Radiation Oncology, received a \$1,562,881 transfer R01 award from NIBIB/NIH for “Hybrid Virtual-MRI/CBCT: A New Paradigm for Image Guidance in Liver SBRT.” Dr. Ren was originally awarded this grant while at Duke University.

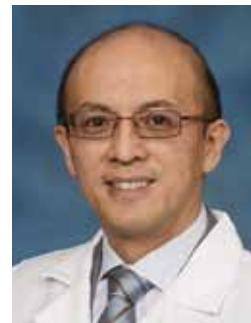
► **Saumil Sethna, PhD**, Instructor, Department of Otorhinolaryngology-Head & Neck Surgery, received a two-year \$424,875 R21 grant from the National Eye Institute (NEI)/National Institutes of Health (NIH) for “AMD-Patient Derived hiPSC-RPE: Gateway for Assessing Novel and Emerging Modulators of Autophagy.”



J. Kathleen Tracy, PhD

► **J. Kathleen Tracy, PhD**, Professor, Department of Epidemiology & Public Health, was awarded a five-year, \$2,306,101 grant from the National Cancer Institute for her work entitled “Translating Molecular Diagnostics for Cervical Cancer Prevention into Practice.” This is a continuation award originally under the direction of **Patti Gravitt, PhD**, who has left the department and can no longer act as principal investigator on this project.

► **Bruce Vogel, PhD**, Assistant Professor, Department of Physiology, was awarded a five-year, \$1.93 million R01 grant from the National Eye Institute (NIH/NEI) for “Molecular Genetics of a Complement Factor H Homolog.”



Ze Wang, PhD

► **Ze Wang, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded a four-year, \$2,311,294 R01 grant from the National Institutes of Health/National Institute on Aging (NIH/NIA) for “Brain Entropy Mapping in Alzheimer’s Disease.”

► **Bruce Wasserman, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded \$722,654 from NIH/NIA for year five of an R01 grant transferred from Johns Hopkins University entitled “The Role of Intracranial Atherosclerosis in the Development of Alzheimer’s Disease.”

Presentations, Events, Lectures & Workshops

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

► The **Department of Diagnostic Radiology and Nuclear Medicine's Emergency and Trauma Imaging Section** was well represented at the American Society of Emergency Radiology's Annual Meeting, held September 21-24, 2021, as a hybrid event attended virtually and in-person in Tampa, FL. **Clint Sliker, MD**, Associate Professor, was the Annual Meeting Program Committee Chair.



Clint Sliker, MD

Thomas Ptak, MD, PhD, Associate Professor, presented "FASER: Penetrating Head Injuries: Forensic Analysis." **Uttam Bodanapally, MBBS**, Associate Professor, presented "Imaging of Head in Emergency/Trauma Department: Emerging Role of DECT." **David Dreizin, MD**, Associate Professor, presented "Pelvic Vascular Trauma," and **Matthew Dattwyler, MD**, Assistant Professor, presented "Penetrating Spine Trauma." **Elana Smith, MD**, Assistant Professor, was the Moderator of Neuroradiology: Non-trauma.



Uttam Bodanapally, MBBS

Used by Parents of Children Diagnosed with Li-Fraumeni Syndrome," which was presented as a poster at the 2021 National Society of Genetic Counselors (NSGC) Annual Education Conference held September 22-26, 2021 (virtual).



Vasken Dilsizian, MD

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was recently the cardiology grand rounds speaker at the Houston Methodist DeBakey Heart & Vascular Center, Houston, TX, where he presented "PET Assessment of Cardiovascular Inflammation and Infection," on September 16, 2021. Additionally, Dr. Dilsizian, delivered an oral presentation entitled "Infection Imaging: Left Ventricular Assist Device," and moderated a session entitled "Advanced Clinical

Applications in Molecular and Nuclear Cardiology: Moving Beyond the Coronaries," at the 26th Annual Scientific Sessions of the American Society of Nuclear Cardiology, a Virtual Meeting held October 1-2, 2021.

► **Albert Hicks, MD, MPH**, Assistant Professor, Department of Medicine, was a Moderator for "Crash and Burn Cardiogenic Shock in 2021" at The Heart Failure Society of America's Annual Scientific Meeting, held in Denver, CO, in September 2021.

► **Susan Joseph, MD**, Assistant Professor, Department of Medicine, was invited to be a speaker and panelist for "Frailty and Patient Selection for LVAD or Heart Transplant" at Brano Heart Failure Forum, held in Graz, Austria, in September 2021. She also was a Moderator for "State of the Art with ECPR" at the Extracorporeal Life Support Organization's "ELSO" 32nd Annual Meeting held September 30, 2021, (virtual event) and Presented "Beyond VA ECMO: Advanced Configurations in Mechanical Circulatory Support."

► **Manjula Ananthram, MBBS**, Assistant Professor, Department of Medicine, presented a poster entitled "Heart Transplant, Exercise, and Pharmacologic Approaches" for the AHA 2021 Scientific Sessions in Boston, MA on November 14, 2021.



Manjula Ananthram, MBBS

► **Katharine Bisordi, MS, MGC, CGC**, Instructor, Department of Pediatrics, was among the co-authors of "Evaluating Coping Mechanisms



Katharine Bisordi, MS, MGC, CGC

Honors & Awards

Congratulations to the following who have received honors!

► Researchers from the **Department of Anatomy and Neurobiology** were recipients of several awards from the Graduate Program in Life Sciences (GPILS) and Office of Postdoctoral Scholars (OPS) for 2021. **Jason Alipio**, Graduate Student, Program in Neuroscience, in the laboratory of **Asaf Keller, PhD**, Professor and Chair, received the PhD Thesis Award. **Cali Calarco, PhD**, Postdoctoral Fellow, in the Laboratory of **Mary Kay Lobo, PhD**, Professor, received the Postdoctoral Fellow Excellence in Service award for her exceptional



Mary Kay Lobo, PhD

service and commitment to outreach and education to the neuroscience and greater scientific community. Dr. Lobo received both the Dr. Mark E. Shirtliff PhD Student Mentor Award and the Teacher of the Year award. They were recognized in a Zoom ceremony on October 18, 2021.

Appointments

We applaud our colleagues on their recent appointments!



Maureen Black, PhD

► **Maureen Black, PhD**, Professor, Department of Pediatrics, was invited to serve on the editorial board of the *Journal of Nutrition* for a two-year term beginning September 1, 2021.

► **France Carrier, PhD**, Professor, Department of Radiation Oncology, has been

named Interim Director of the Translational Laboratory Service Core within the University of Maryland Marlene and Steward Greenebaum Cancer Center. In this role, she will oversee the service core that provides preclinical and clinical experimental support to translational scientists and physician investigators on campus.



France Carrier, PhD

Publications

Hats off to those who have been published!



Zubair Ahmed, PhD

► **Zubair Ahmed, PhD**, Professor, Department of Otorhinolaryngology-Head & Neck Surgery, was among the co-authors of “Corneal Structural Changes in Congenital Glaucoma, which was published in *Eye Contact Lens* on September 20, 2021.

► **Jennifer Albrecht, PhD**, Associate Professor, Department of Epidemiology & Public Health, co-authored “Improving Efficiency of Primary Care Provider Communication for Uncomplicated Admissions,”

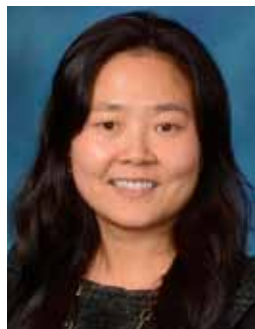
which was published in *Hospital Pediatrics* on September 15, 2021.

► **Omer Awan, MD, MPH**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the author of “How to Appeal to a Diverse Array of Learners?” which was published in the October 2021 issue of *Academic Radiology*, and was last author of “Artificial Intelligence in Radiology Education: A Longitudinal Approach,” which was published in the September 2021 issue of *Academic Radiology*. Additionally, Dr. Awan was the first author of “The Radiology Landscape after COVID-19: Summary of the 2021 AUR Academic Radiology and Industry Leaders Roundtable,” which was also published in the September 2021 issue of *Academic Radiology*.

► **Kousick Biswas, PhD**, Associate Professor, and **Yuanyuan Liang, PhD, MSc**, Professor, both from the Department of Epidemiology & Public Health, co-authored “Pathogens Associated with Linear Growth Faltering in Children with Diarrhea and Impact of Antibiotic Treatment: The Global Enteric Multicenter Study,” which was published in *The Journal of Infectious Diseases* on September 16, 2021.



Jennifer Albrecht, PhD



Yuanyuan Liang, PhD, MSc



Maureen Black, PhD

► **Maureen Black, PhD**, Professor, Department of Pediatrics, was a co-author of “Mealtime Environment and Practices of Urban Family Child Care Homes,” which was published in *Childhood Obesity* on August 19, 2021. Dr. Black and **Angela Trude, PhD**, Postdoctoral Fellow, also from the Department of Pediatrics, authored “How Can Caring Grown-Ups Help Children Overcome Adversities?” which was published in *Science Journal for Kids and Teens* on August 31, 2021. *Science Journal for Kids and Teens* translates scientific articles into language that is accessible to children and distributes the articles to schools throughout the world. The original article, “Effects of Responsive Caregiving and Learning Opportunities during Pre-School Ages on the Association of Early Adversities and Adolescent Human Capital: An Analysis of Birth Cohorts in Two Middle-Income Countries,” was published earlier this year in *The Lancet Child and Adolescent Health*.

► **Jessica Brown, PhD**, Associate Professor; **Hegang Chen, PhD**, Professor; and **Jennifer Albrecht, PhD**, Associate Professor, all from the Department of Epidemiology & Public Health, co-authored “Effects of Prescription Opioid Use on Traumatic Brain Injury Risk in Older Adults,” which was published in the September-October 2021 issue of the *Journal of Head Trauma Rehabilitation*.

► **Diljon Chahal, MD**, Assistant Professor; **Seyed Hossein Aalaei-Andabili, MD**, Cardiovascular Disease Fellow; and **Libin Wang, BM, MM, PhD**, Associate Professor, all from the Department of Medicine, were among the co-authors of “A Women with a Right Atrial Mass,” which was published in *JAMA Cardiology* on September



Jessica Brown, PhD

13, 2021. Dr. Chahal was also the author of “A Retrograde CTO PCI in a Difficult-to-Cross Lesion,” which was published in the September 2021 issue of *Cath Lab Digest*.



Elizabeth Clayborne, MD, MA

► **Elizabeth Clayborne, MD, MA**, Adjunct Assistant Professor, Department of Emergency Medicine, was among the authors of “Addressing End-of-Life Care in the Chronically Ill: Conversations in the Emergency Department,” which was published in the *Journal of the American College of Emergency Physicians Open (JACEP Open)* on October 1, 2021.

► **Matthew Peter Dattwyler, MD**, Assistant Professor; **Thorsten Fleiter, MD**, Associate Professor; and **Uttam Bodanapally, MBBS**, Associate Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were the co-authors of “Principles and Applications of Dual Energy Computed Tomography in Neuroradiology,” which was published in the October 2021 issue of *Seminars in Ultrasound, CT and MRI*.



Vasken Dilsizian, MD

► **Matthew Peter Dattwyler, MD**, Assistant Professor; **Thorsten Fleiter, MD**, Associate Professor; and



Thorsten Fleiter, MD

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was a co-author of an editorial “¹⁸F-FDG PET/CT for Prosthetic Pulmonic Valve Endocarditis in Congenital Patients: Promise Awaiting Proof,” which was published in the October 2021 issue of the *Journal of the American College of Cardiology: Cardiovascular Imaging*.

► **Katelyn Donohue, MD**, Assistant Professor, Department of Medicine; **Dara Farber, MD**, Assistant Professor, Department of Medicine; and **Natalie Davis, MD, MMSc**, Associate Professor, Department of Pediatrics, were among the co-authors of “A Multi-Modal Curriculum Teaching Opioid Use Disorder Management in Young Adult Populations,” which was published in *Cureus* on October 5, 2021.

► **Tijana Dukic**, General Associate; **Sina Mossahebi, PhD**, Assistant Professor; **Dario Rodrigues, PhD**, Assistant Professor; **Zeljko Vujaskovic, MD, PhD**, Professor; and **Hem Shukla, PhD**, Assistant Professor, all from the Department of Radiation Oncology, were among the authors of “Effect of Hyperthermia and Proton Beam Radiation as a Novel Approach in Chordoma Cells Death and its Clinical Implication to Treat Chordoma,” which was published in the *International Journal of Radiation Biology* on September 29, 2021.



Dario Rodrigues, PhD

► **Thomas Ernst, Dr rer nat**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Diet and Liver Adiposity in Older Adults: The Multiethnic Cohort Adiposity Phenotype Study,” which was published in the September 2021 issue of the *Journal of Nutrition*.

► **Naillid Felipe, MD, MPH**, Resident, Department of Emergency Medicine, was co-author, and **Danya Khoujah, MBBS**, Adjunct Assistant Professor, Department of Emergency Medicine, was editor-in-chief of *PressorDex: Adult Infusion Card*, an educational tool published in September 2021 by the Emergency Medicine Residents' Association as an adjunct to its *PressorDex: Critical Care Medication Guide*, 4th edition.



Cara Felter, PT, DPT, MPH

► **Cara Felter, PT, DPT, MPH**, Assistant Professor, Department of Physical Therapy & Rehabilitation, and **Lindsey Mathis, SPT**, were among the co-authors of “Identifying and Addressing Social Determinants of

Learning during the COVID-19 Pandemic,” which was published in *Physical Therapy and Rehabilitation Journal*.



Vivek Garg, PhD

► **Vivek Garg, PhD**, Assistant Professor (first and co-corresponding author); **Liron Boyman, PhD**, Assistant Professor; and **W. Jonathan Lederer, MD, PhD**, Professor, all from the Department of Physiology and the Center for Biomedical Engineering and Technology (BioMET), were the authors of “The Mechanism of MICU-Dependent Gating of the Mitochondrial Ca²⁺ Uniporter,” which was published in *eLife* on August 7, 2021.

► **Stephen Gottlieb, MD**, Professor, Department of Medicine, was among the co-authors of “Use of Outpatient Intravenous Calcitropes for Heart Failure in the United States,” which was published in the July 2021 issue of the *Journal of Cardiac Failure*.

► **Dong Han, PhD**, Assistant Professor, Department of Radiation Oncology, was the first author of “A Beam-Specific Optimization Target Volume for Stereotactic Proton Pencil Beam Scanning Therapy for Locally Advanced Pancreatic Cancer,” which was published in *Advances in Radiation Oncology* on July 29, 2021.

► **Kim Hankey, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “AEOL 10150 Alleviates Radiation-Induced Innate Immune Responses in Non-Human Primate Lung Tissue,” which was published in *Health Physics* on October 1, 2021. In the same issue, Dr. Hankey was among the authors of “The Natural History of Acute Radiation-Induced H-ARS and Concomitant Multi-Organ Injury in the Non-Human Primate: The MCART Experience.”



Stephen Gottlieb, MD



Brenda Hanna-Pladdy, PhD

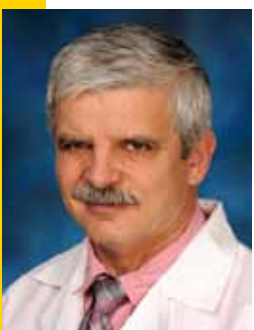
► **Brenda Hanna-Pladdy, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was first author of “Dopaminergic Basis of Spatial Deficits in Early Parkinson’s Disease,” which was published in the June 2021 issue of *Cerebral Cortex Communications*.

► **Jeffrey Hirsch, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “A Novel Approach to Virtual Surgical Planning for Mandibular and Midfacial Reconstruction with a Fibula Free Flap,” which was published in the September 2021 issue of the *Journal of Craniofacial Surgery*.

► **Rebecca Krc, MD**, Resident, Department of Radiation Oncology, was among the authors of “Compassion Inequities and Opioid Use Disorder: A Matched Case-Control Analysis Examining Inpatient Management of Cancer-Related Pain for Patients with Opioid Use Disorder,” which was published in the September 2021 issue of the *Journal of Pain Symptom Management*.



Jeffrey Hirsch, MD



Tibor Kristian, PhD

► **Tibor Kristian, PhD**, Associate Professor, Department of Anesthesiology, was among the co-authors of “Perturbed Brain Glucose Metabolism Caused by Absent SIRT3 Activity,” which was published in *Frontiers in Cells* on September 8, 2021.

► **Diane Kuhn, MD, PhD**, Assistant Instructor; **Hannah Goldberg, MD**, Resident; **Jon Hurst, MD**, Resident; and **Kinjal Sethuraman, MD, MPH**, Associate Professor, all from the Department of Emergency Medicine, were



Diane Kuhn, MD, PhD

among the authors of “Anchoring Vignettes as a Method to Address Implicit Gender Bias in Patient Experience Scores,” which was published in *Annals of Emergency Medicine* on July 23, 2021. **Deborah Stein, ELS**, Technical Editor/Writer, Department of Emergency Medicine, provided language and technical editing of an early draft of the manuscript.



Young Kwok, MD

► **Young Kwok, MD**, Professor, Department of Radiation Oncology, was among the authors of “Long-Term Report of a Comprehensive Molecular and Genomic Analysis in NRG Oncology/ RTOG 0424: A Phase II Study of Radiation and Temozolomide in High-Risk Grade II Glioma,” which was published in *JCO Precision Oncology* on September 1, 2021.

► **Judy LaKind, PhD**, Adjunct Associate Professor, Department of Epidemiology & Public Health, co-authored “Does Ozone Inhalation Cause Adverse Metabolic Effects in Humans? A Systematic Review,” which was published in *Critical Reviews in Toxicology* on September 27, 2021.



Judy LaKind, PhD



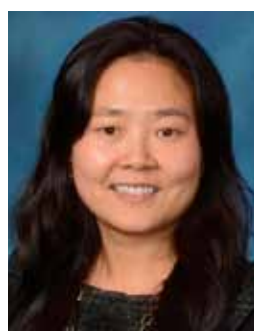
Giovanni Lasio, PhD

► **Giovanni Lasio, PhD**, Associate Professor; **Baoshe Zhang, PhD**, Assistant Professor; **Byong Yi, PhD**, Professor; **Shifeng Chen, PhD**, Professor; and **Jinghao Zhou, PhD**, Associate Professor, all from the Department of Radiation Oncology, were among the authors of “Semi-Supervised Segmentation of Radiation-Induced Pulmonary Fibrosis from Lung CT Scans with Multi-Scale Guided Dense Attention,” which was published in *IEEE Transactions on Medical Imaging* on October 4, 2021.

► **Anayansi Lasso-Pirot, MD**, Assistant Professor, Department of Pediatrics, was among the co-authors of “Sleep-Disordered Breathing and Cardiovascular Disease in Children and Adolescents: A Scientific Statement from the American Heart Association,” which was published in the August 2021 issue of the *Journal of the American Heart Association*.



Anayansi Lasso-Pirot, MD



Yuanyuan Liang, PhD, MSc

► **Yuanyuan Liang, PhD, MSc**, Professor, and **J Kathleen Tracy, PhD**, Professor, both from the Department of Epidemiology & Public Health, co-authored “Safety and Efficacy of a Typhoid Conjugate Vaccine in Malawian Children,” which was published in *The New England Journal of Medicine* on September 16, 2021. Separately, Dr. Liang and **David Marcozzi, MD, MHS-CL, MHS-CL, FACEP**, Professor, Department of Emergency Medicine, co-authored “Analysis of an Alternative Model of Definitive Care For Low-Acuity Emergency Calls: A Natural Experiment,” which was published in the *Journal of Emergency Medicine* on September 16, 2021. Additionally, Dr. Liang, **Lyndsay O’Hara, PhD, MPH**, Assistant Professor; **Anthony Harris, MD, MPH**, Professor; and **Jonathon Baghdadi, MD, PhD**, Assistant Professor, all from the Department of Epidemiology & Public Health co-authored “Follow-up Blood Cultures in *Pseudomonas aeruginosa* bacteremia: A Potential Target for Diagnostic Stewardship,” which was published in *Antimicrobial Stewardship & Healthcare Epidemiology*.



Iris Lindberg, PhD

► **Iris Lindberg, PhD**, Professor, Department of Anatomy and Neurobiology, co-authored an invited mini-review on “Obesity, POMC, and POMC-processing Enzymes: Surprising

Results from Animal Models,” which will be published in the December 2021 issue of *Endocrinology*.



Amal Mattu, MD

► **Amal Mattu, MD**, Professor, Department of Emergency Medicine, was among the authors of “Can I Send This Syncope Patient Home from the Emergency Department?” which was published in the *Journal of Emergency Medicine* on September 15, 2021, and “Emergency ECGs: Case-Based Review and Interpretations,” which was published in *EMResident (EMRA)* on August 29, 2021.

► **Arezoo Modiri, PhD**, Assistant Professor, Department of Radiation Oncology, was the first author of “Outcome-Based Multiobjective Optimization of Lymphoma Radiation Therapy Plans,” which was published in the *British Journal of Radiology* on September 30, 2021.



Arezoo Modiri, PhD

► **Denise Orwig, PhD**, Professor; **Marc Hochberg, MD, MPH**, Professor; **Ann Gruber-Baldini, PhD**, Professor; **Jack Guralnik, MD, PhD, MPH**, Professor; **Michelle Shardell, PhD**, Professor; and **Jay Magaziner, PhD, MSHyg**, Professor, all from the Department of Epidemiology & Public Health, co-authored “Sex Differences in Recovery Across Multiple Domains among Older Adults with Hip Fracture,” which was published in *The Journals of Gerontology. Series A, Biological Sciences and Medical Sciences* on September 23, 2021.



Denise Orwig, PhD

► **Dipanjan Pan, MSc, PhD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was last author of “A Simplistic Single-Step Method for Preparing Biomimetic Nanoparticles from Endogenous Biomaterials,” which was published in the September 2021 issue of *ACS Applied Materials and Interfaces*. Dr. Pan also was the last author of “Luminescence Switching in Polymerically Confined Carbon Nanoparticles Triggered by UV-light,” which was published in the September 2021 issue of *Nanoscale*.



Dipanjan Pan, MSc, PhD

► **Dario Rodrigues, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Characterization of Ferromagnetic Composite Implants for Tumor Bed Hyperthermia,” which was published in the September 2021 issue of *IEEE Transactions in Magnetics*.



Dario Rodrigues, PhD

► **Santanu Samanta, MD**, Resident; **Jason Molitoris, MD, PhD**, Assistant Professor; and **Pranshu Mohindra, MD**, Associate Professor, all from the Department of Radiation Oncology, were among the authors of “The Impact of Bridging Therapy Prior to CD19-Directed Chimeric Antigen Receptor T-cell Therapy in Patients with Large B-Cell Lymphoma,” which was published in the *British Journal of Haematology* on September 9, 2021.



Jason Molitoris, MD, PhD

► **Eliot Siegel, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the last author of “PET and AI Trajectories Finally Coming into Alignment,” which was published in the October 2021 issue of *PET Clinics*. Separately, Dr. Siegel was among the co-authors of “A Brief History of AI: How to Prevent Another Winter (A Critical Review),” also published in the October 2021 issue of *PET Clinics*.



Eliot Siegel, MD

► **Elana Smith, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “A New Search Pattern for Emergency Breast Exams: The Clinical Picture,” which was published in the September 2021 issue of *Emergency Radiology*. Dr. Smith also was among the co-authors of “Evolution of the Interventional Radiology (IR) Pathway—Various Changes and Interrelation to Diagnostic Radiology (DR),” which was published in the September 2021 issue of *Academic Radiology*.

► **Cullen Soares, MD**, Cardiovascular Disease Fellow, Department of Medicine, was among the co-authors of “Coronary Artery Calcification and Plaque Characteristics in People Living with HIV: A Systematic Review and Meta-Analysis,” which was published in the *Journal of the American Heart Association* on September 29, 2021.



Michael Terrin, MDCM, MPH

► **Michael Terrin, MDCM, MPH**, Professor, and **Jennifer Albrecht, PhD**, Associate Professor, both from the Department of Epidemiology & Public Health, co-authored “Big Ten COVID-19 Cardiac Registry Investigators. Prevalence of Clinical and Subclinical Myocarditis in Competitive Athletes with Recent SARS-CoV-2 Infection: Results From the Big Ten COVID-19 Cardiac Registry,” which was published in *JAMA Cardiology* on September 1, 2021.

► **Marco Venniro, PhD**, Assistant Professor, and **Kimberly Papastrat**, Research Assistant, in the laboratory of Dr. Venniro, both from the Department of Anatomy and Neurobiology, were among the co-authors of “Factors Modulating the Incubation of Drug and Non-Drug Craving and their Clinical Implications,” which was published in *Neuroscience & Biobehavioral Reviews* on September 28, 2021. Dr. Venniro was also lead author on “The Protective Effect of Operant Social Reward on Cocaine Self-Administration, Choice and Relapse is Dependent on Delay and Effort for the Social Reward,” which was published in *Neuropsychopharmacology* on August 16, 2021.



Marco Venniro, PhD

► **Bruce Vogel, PhD**, Assistant Professor, Department of Physiology, was senior author of “A Complement Factor H Homolog, Heparan Sulfation, and Syndecan Maintain Inversin Compartment Boundaries in *C. elegans* Cilia,” which was published in *Proceedings of the National Academy of Sciences* on April 15, 2021.

► **Piotr Walczak, MD, PhD**, Professor, and **Mirosław Janowski, MD, PhD**, Associate Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Follow-up of Intra-arterial Delivery of Bevacizumab for Treatment of Butterfly Glioblastoma in Patient with First-in-human, Real-time MRI-guided Intra-arterial Neurointervention,” which was published in the September 2021 issue of the *Journal of NeuroInterventional Surgery*. Dr. Janowski was last author. Separately, Dr. Janowski was among the co-authors of “Oxidative Stress Enhances Autophagy-Mediated Death of Stem Cells Through Erk1/2 Signaling Pathway—Implications for Neurotransplantations,” which was published in the September 2021 issue of *Stem Cell Reviews and Reports*.



Mirosław Janowski, MD, PhD

► **Bruce Wasserman, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was last author of “Vessel Wall Imaging: A Powerful Diagnostic Tool but Not a Substitute for Biopsies,” which was published in the September 2021 issue of the *AJNR American Journal of Neuroradiology*.

► **Charles White, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the author of “Interstitial Pulmonary Fibrosis in Systemic



Charles White, MD

Lupus Erythematosus: Are There Variants of the Variant Fibrotic Patterns?" which was published in the August 2021 issue of *Radiology: Cardiothoracic Imaging*.

► **Mike Winters, MD**, Professor, Department of Emergency Medicine, was among the discussants in the twice-monthly podcast, *Critical Care Perspectives in Emergency Medicine*:

- "The TOMAHAWK Study," was published on September 16, 2021
- "Milrinone or Dobutamine for Cardiogenic Shock?" was published on September 27, 2021



Mike Winters, MD

► **Jeffrey Wolf, MD**, Professor, and **Rodney Taylor, MD, MPH**, Professor and Chair, both from the Department of Otorhinolaryngology-Head & Neck Surgery, were the lead authors of "The Association of Active and Passive Tobacco Smoke Exposure with Chronic Rhinosinusitis Symptom Severity: A Cross-Sectional Study," which was published in the *International Forum of Allergy & Rhinology* on September 12, 2021.



Jeffrey Wolf, MD



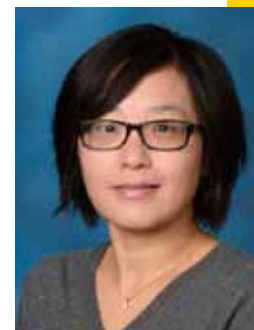
Weiguang Yao, PhD

► **Weiguang Yao, PhD**, Associate Professor, Department of Radiation Oncology, was a co-author of "Technical Note: Extraction of Proton Pencil-Beam Energy Spectrum from Measured Integral Depth Dose in a Cyclotron Proton Beam System," which was published in *Medical Physics* on October 5, 2021.

► **Hong Zhang, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of "Risk Factors for Radiation Induced Lymphopenia in Patients with Breast Cancer Receiving

Adjuvant Radiotherapy," which was published in the September 2021 issue of *Annals of Translational Medicine*.

► **Yuji Zhang, PhD**, Associate Professor, and **Soren Bentzen, PhD, DMSc, FASTRO**, Professor, both from the Department of Epidemiology & Public Health, co-authored "C5a Activates a Pro-Inflammatory Gene Expression Profile in Human Gaucher iPSC-Derived Macrophages," which was published in the *International Journal of Molecular Sciences* on September 14, 2021.



Yuji Zhang, PhD

In the News

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

► **Elizabeth Clayborne, MD, MA**, Adjunct Assistant Professor, Department of Emergency Medicine, was featured on:

- *CNN's Situation Room with Wolf Blitzer* commenting on Louisiana's COVID outbreak and Hurricane Ida evacuation on August 28, 2021
- Max Out Time with AJ II, *Black Business Month's* videocast "Episode 82: Dr. Elizabeth Clayborne Has Invented the 'Band Aid' for Nosebleed Emergencies" on August 31, 2021
- *Reel Emergency's* videocast and podcast "Episode 5—End of Life Care" on September 7, 2021
- *Yahoo Finance's* "Doctor: This Conversation about Boosters Doesn't Take Place Just in the U.S." on September 17, 2021
- *CBS News's* "Delta Variant Surge May Be Peaking as U.S. Daily Deaths Top 2,000" on September 22, 2021



Elizabeth Clayborne, MD, MA

Maryland Study Sheds Light on Why People Click." The story was based on Dr. Kelly's recent paper "A Genetic Basis for Friendship? Homophily for Membrane-Associated PDE11A-cAMP-CREB Signaling in CA1 of Hippocampus Dictates Mutual Social Preference in Male and Female Mice," which was published in *Molecular Psychiatry* on July 28, 2021. The story was aired and published on Channel 4's website on September 29, 2021.



David Marozzi, MD, MHS-CL, MHS-CL, FACEP

► **David Marozzi, MD, MHS-CL, MHS-CL, FACEP**, Professor, Department of Emergency Medicine, was featured in "Doctor Explains the Importance of Mask Wearing Even for Non-Covid Related Viruses" on *Fox News* on October 1, 2021, discussing a study he authored with **Zachary Dezman, MD, MS, MS**, Assistant Professor; **Benoit Stryckman, MA**, Research Associate and Health Economist; and **Laura Pimentel, MD**, Clinical Professor, all from the Department of Emergency Medicine: "Masking for COVID-19 Is Associated with Decreased

Emergency Department Utilization for Non-COVID Viral Illnesses and Respiratory Conditions in Maryland," which was published in the *American Journal of Medicine* on July 6, 2021.

► **Piotr Walczak, MD, PhD**, Professor, and **Miroslaw Janowski, MD, PhD**, Associate Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were highlighted in the newsletter of Children Brain Tumor Drug Delivery Consortium, which is headquartered in Nottingham, UK. Separately, Dr. Janowski was selected as one *Neurocritical Care's* Top Reviewers.



Piotr Walczak, MD, PhD

► **Dheeraj Gandhi, MBBS**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was featured in the Focused Ultrasound Foundation's September 30, 2021 publication describing his treatment of a woman with neuropathic pain.

► **Michy Kelly, PhD**, Associate Professor, Department of Anatomy and Neurobiology, was interviewed on *NBC News* Affiliate Channel 4 in Washington, DC for their Science piece "Friends at First Sight:



Dheeraj Gandhi, MBBS



Michy Kelly, 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?***

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