



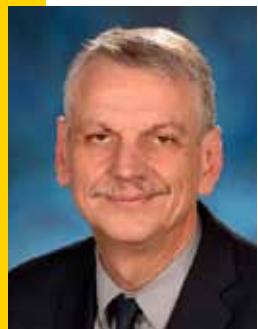
What's the Buzz?

FEBRUARY 2022 VOL.24 NO.2

SELF-REPORTED NEWS from the SCHOOL OF MEDICINE COMMUNITY

Grants & Contracts

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



Søren Bentzen, PhD,
DMSc
NIAID).

► **Søren Bentzen, PhD, DMSc**, Professor, Department of Epidemiology & Public Health, was awarded a one-year, \$67,000 grant from Northwestern University for "Retrospective NCI Phantom-Monte Carlo Dosimetry in Wilms Tumor."

► **Jayaum Booth, MS, PhD**, Research Associate, Department of Pediatrics, has been awarded a one-year \$50,000 IDCRC Pilot Grant for "Human Intestinal TRM: Distinct Cross-Reactive Responses against Pathogens" by the National Institutes of Health/National Institute for Allergy and Infectious Diseases (NIH/



Niel Constantine, PhD

► **Niel Constantine, PhD**, Professor of Pathology, Institute of Human Virology, has been awarded \$203,760 for nine months from Family Health International 360 for the USAID Global Health Supply Chain Quality Assurance Program. This award, an extension

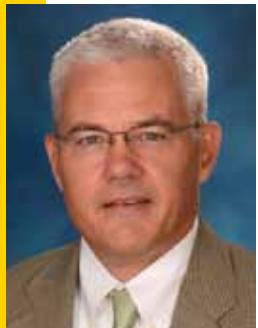
from a previous three-year award, supports the continuation of Dr. Constantine's work to evaluate HIV, hepatitis, syphilis, cryptococcus, and other rapid test kits sent from international locations and manufacturers to determine if their performance characteristics meet manufacturers' claims. Technical assistance activities are provided also.



Meagan Fitzpatrick, PhD

► **Meagan Fitzpatrick, PhD**, Assistant Professor, Department of Medicine, has been awarded a one-year \$199,976 grant by the National Science Foundation for RAPID: Identifying the Drivers of Optimal COVID-19 Allocation.

► **Bruce Wasserman, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the recipient of a \$1,581,587 R01 grant from the National Institutes of Health/National Institute on Aging (NIH/NIA) for "The Role of Intracranial Atherosclerosis in the Development of Alzheimer's Disease." The award was recently transferred from Johns Hopkins University.



James Campbell, MD,
MS

► **James Campbell, MD, MS**, Professor, Department of Pediatrics, was interviewed by *WBAL* to discuss the importance of boosters for teens.



Wilbur Chen, MD, MS

► **Wilbur Chen, MD, MS**, Professor, Department of Medicine, was interviewed by *Fox5DC* regarding the Omicron surge.



Karen Kotloff, MD

► **Karen Kotloff, MD**, Professor, Department of Pediatrics, was interviewed by *WJZ-TV* and *The Weather Channel* on the Novavax COVID vaccine clinical trial results in the study she co-led.

► **Matthew Laurens, MD, MPH**, Professor, Department of Pediatrics, was interviewed by *BBC World News TV* in a segment entitled "Omicron Variant



Matthew Laurens, MD, MPH

Threatens to Overcome Vaccine Protection." He also was interviewed and quoted in *PolitiFact* online in a segment "Claim that Pfizer Data Shows Vaccine Does More Harm than Good is Pants on Fire; he was interviewed by the *U.S. Agency for Global Media* in a segment titled "Additional Measures to Combat Omicron in the United States;" and he discussed with *WTOP News* the possibility of getting both influenza and COVID infections at the same time.

► **Kristen Lyke, MD**, Professor, Department of Medicine, discussed pandemic predictions for 2022 with *Politico*.



Kathleen Neuzil, MD, MPH,
FIDSA



Kirsten Lyke, MD

► **Kathy Neuzil, MD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH Professor of Vaccinology and Director, Center for Vaccine Development and Global Health, was interviewed by *WTOP News* to discuss why boosters are helpful particularly for immunocompromised people. She also was quoted in a live blog in *The Philadelphia Inquirer* on "Do I Need to Wait 6 Months to Get a Booster?" and in *U.S. News & World Report* explains who should get a COVID-19 booster.

Presentations, Events, Lectures & Workshops

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

► **Afrah Ali, MBBS**, Assistant Professor, Department of Emergency Medicine; **Wendy Chang, MD**, Associate Professor, Department of Emergency Medicine, Program in Trauma; **Ali Tabatabai, MD**, Associate Professor, Department of Medicine, Program in Trauma; **Melissa Pergakis MD**, Assistant Professor, Department of Neurology, Program in Trauma; **Camilo Gutierrez, MD**, Associate Professor, Department of Neurology; **Jamie Podell, MD**, Assistant Professor, Department of Neurology, Program in Trauma; **Gunjan Parikh, MD**, Assistant Professor, Department of Neurology, Program in Trauma; **Neerja Badjatia, MD**, Professor, Department of Neurology, Program in Trauma; **Melissa Motta, MD**, Associate Professor, Department of Neurology, Program in Trauma; and **Nicholas Morris, MD**, Assistant Professor, Department of Neurology, Program in Trauma, presented “Simulation Based Assessment of Trainee’s Performance in Post-Cardiac Arrest Resuscitation” at the American Heart Association Resuscitation Science Symposium, which was held November 12-14, 2021, in Boston, MA.



Ali Tabatabai, MD

► **Katharine Bisordi, MS, MGC, CGC**, Instructor, Department of Pediatrics, was on the committee that organized the first virtual educational conference for the Maryland and DC Society of Genetic Counselors (MDCGC), which was held on November 5, 2021. Ms. Bisordi is currently the MDCGC President-Elect and will be rising to serve as President from 2022-2023. Ms. Bisordi also serves on multiple MDCGC Committees, including the education committee, awards subcommittee, and Genetic Counselor Awareness Day subcommittee. As part of the celebration of this year’s Genetic Counselor Awareness Day, held on November 4, 2021, Ms. Bisordi organized and presented a virtual educational seminar for prospective genetic counseling students. She also was among the co-authors of “Evaluating Coping Mechanisms 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, which was held on September 22-26, 2021 (virtual).

► **Ronna Hertzano, MD, PhD**, Professor, Department of Otorhinolaryngology–Head & Neck Surgery, was an invited speaker in a seminar series of the Institut de Recherches Cliniques de Montréal. Her talk was named “82. From Ear to gEAR: A Multi-Omic Path



Katharine Bisordi, MS, MGC, CGC



Ronna Hertzano, MD, PhD

Toward Therapeutics.” She also was the lead organizer of the Center for Comparative Evolutionary Biology of Hearing 7th Auditory and Vestibular Translational Research Day—which focused on the vestibular system and took place in December 2021. The day had more than 189 participants and was conducted virtually. **Zubair Ahmed, PhD**, Professor, Department of Otorhinolaryngology–Head & Neck Surgery, was a guest co-organizer and presented a talk entitled “Gene Therapy for Vestibular Pathology.”



Kathleen Neuzil, MD, MPH, FIDSA

► **Kathy Neuzil, MD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH Professor of Vaccinology and Director, Center for Vaccine Development and Global Health, was the plenary speaker at the plenary session—Typhoid Conjugate Vaccines in High-Burden Countries: Where are We and Where Do We Need to Go? at the 12th International Conference on Typhoid & Other Invasive Salmonelloses. At the same conference, she was a moderator for the Typhoid Conjugate Vaccine Safety and Efficacy: Results from Clinical

Studies in Africa and Asia Symposium and the Typhoid Intestinal Perforations in Africa: What Do We Know? What Can We Learn? Symposium.

► Faculty from the **Department of Radiation Oncology** were among the presenters on March 3, 2021, at a symposium on “Advancements in GRID, Lattice, and FLASH Radiotherapy,” which was held in conjunction with the 2022 Radiosurgery Society Scientific Meeting in Carlsbad, CA.

- **Byong Yong Yi, PhD**, Professor, presented “GRID to Lattice: More Tools in the Toolbox”
- **Jason Molitoris, MD, PhD**, Assistant Professor, presented “Clinical Utilization of Proton GRID (Beamlets)”
- **Sina Mossahebi, PhD**, Assistant Professor, presented “Physics Considerations in Proton GRID/Lattice” and “Practical Aspects for Proton GRID Therapy”
- **William Regine, MD, FACR, FACRO**, the Isadore & Fannie Schneider Foxman Chair of Radiation Oncology, presented “Practical Aspects for GRID Therapy.”



Byong Yong Yi, PhD



Jason Molitoris, MD, PhD



William Regine, MD, FACR, FACRO

Honors & Awards

Congratulations to the following who have received honors!

► **Shannon Takala Harrison, PhD**, Associate Professor, Department of Medicine, has been selected for the UMB Faculty Leadership Program.



Shannon Takala Harrison, PhD

Publications

Hats off to those who have been published!

► **Zubair Ahmed, PhD**, Professor, and **Saima Riazuddin, PhD, MPH, MBA**, Professor, both from the department of Otorhinolaryngology–Head & Neck Surgery, were among the co-authors of “The Role of CDHR3 in Susceptibility to Otitis Media,” which was published in the November 2021 issue of the *Journal of Molecular Medicine*. Dr. Ahmed also was among the co-authors of “Putting the Pieces Together: The Hair Cells Transduction Complex,” which was published in the *Journal of Association for Research in Otolaryngology* on December 22, 2021; was the senior author of “Identification and Computational Analysis of Rare Variants of Known Hearing Loss Genes Present in Five Deaf Members of a Pakistani Kindred,” which was published in *Genes* on November 30, 2021; and was the lead author of “Proposed Therapy, Developed in a Pcdh15-Deficient Mouse, for Progressive Loss of Vision in Human Usher Syndrome,” which was published in *eLIFE* on November 9, 2021. **Saima Riazuddin, PhD, MPH, MBA**, Professor, Department of Otorhinolaryngology–Head & Neck Surgery, was among the co-authors.



Saima Riazuddin, PhD, MPH, MBA

Children in India: Opportunities and Challenges, which was published by Nova Science Publishers, NY, on November 22, 2021.



Miriam Blitzer, PhD

► **Miriam Blitzer, PhD**, Professor, Departments of Pediatrics, was the last author of “The Relationship Between Performance on the Medical Genetics and Genomics In-Training and Certifying Examinations,” which was published in *Genetics in Medicine* on November 30, 2021. Dr. Blitzer also was co-author of “Become an Ambassador to Recruit the Next Generation in Genomic Medicine,” and was the last author of “The Training of Future Clinical Geneticists: Evaluation and Reflections on the American College

of Medical Genetics and Genomics Foundation Summer Genetics Scholars Program,” all which were published in the same issue of *Genetics in Medicine*.

► **Robert Bloch, PhD**, Professor, Department of Physiology, co-authored “The C2 Domains of Dysferlin: Roles in Membrane Localization, Stabilization of Ca²⁺ Signaling, and Membrane Repair,” which was published in *The Journal of Physiology*.



Robert Bloch, PhD

► **Uttam Bodanapally, MBBS**, Associate Professor, and **Clint Sliker, MD**, Associate Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Blunt Cerebrovascular Injury-Like Injury Observed in Patients with Craniofacial Self-Inflicted Gunshot Wounds,” which was epublished in the December 2021 issue of *Journal of Craniofacial Surgery*.

Separately, Dr. Bodanapally was among the co-authors of “Traumatic Brain Injury and Intraparenchymal Hemorrhage Progression: Blood Pressure Variability Matters,” which was also published in the same issue.

► **Rebecca Brotman, PhD, MPH**, Professor, Department of Epidemiology & Public Health, was among the co-authors of “Vaginal Microbiota of American Indian Women and Associations with Measures of Psychosocial Stress,” which was published in *PLoS One* on December 10, 2021.



Rebecca Brotman, PhD, MPH

► **Clayton Brown, PhD**, Professor, Department of Epidemiology & Public Health, was among the co-authors of “Lipophilic vs. Hydrophilic Statins and Psychiatric Hospitalizations and Emergency Room Visits in US Veterans with Schizophrenia and Bipolar Disorder,” which was published in the September 2021 issue of *Pteridines*.

► **William Carter, MD**, Clinical Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Sentinel Bowel Loop as a Marker for Primary Segmental Intestinal Volvulus in Extreme Low Birth Weight Neonates,” which was published in the November 2021 issue of the *Journal of Neonatal-Perinatal Medicine*.



William Carter, MD

► **Rong Chen, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Detailed Mapping of Behavior Reveals the Formation of Prelimbic Neural Ensembles across Operant Learning,” which was epublished in the December 2021 issue of *Neuron*. Separately, Dr. Chen was among the co-authors of “Hippocampal-Subregion Mechanisms of Repetitive Transcranial Magnetic

Stimulation in a Model of Epilepsy,” which was published in the January 2022 issue of *Journal of Neurophysiology*.

► **Søren Bentzen, PhD, DMSc**, Professor, Department of Epidemiology & Public Health, was among the co-authors of “Total Body Irradiation in Haematopoietic Stem Cell Transplantation for Paediatric Acute Lymphoblastic Leukaemia: Review of the Literature and Future Directions,” which was published in *Frontiers in Pediatrics* on December 3, 2021.



Anthony Harris, MD, MPH

► **Maureen Black, PhD**, Professor Emeritus, Department of Pediatrics, was a co-author of “Nurturing Care and Early Child Development in the Integrated Child Development Services,” a book chapter in *Handbook of Early Childhood Education*.



Maureen Black, PhD

Stimulation Causally Associated with Amelioration of Episodic Memory in Amnestic Mild Cognitive Impairment,” which was published in the December 2021 issue of the *Journal of Alzheimer’s Disease*.

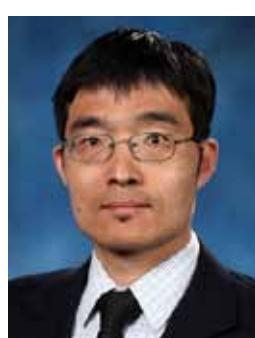


Shuo Chen, PhD

► **Shuo Chen, PhD**, Associate Professor, Department of Epidemiology & Public Health, was among the co-authors of “Separating Clinical and Subclinical Depression by Big Data Informed Structural Vulnerability Index and Its Impact on Cognition: ENIGMA Dot Product,” and “A New Mendelian Randomization Method to Estimate Causal Effects of Multivariable Brain Imaging Exposures,” which were published earlier this year in *Pacific Symposium on Biocomputing*.

► **Chengyan Chu, MD**, Postdoctoral Fellow; **Anna Jablonska, PhD**, Research Associate; **Yue Gao, MD**,

Postdoctoral Fellow; **Xiaoyan Lan, MD**, Postdoctoral Fellow; **Yajie Liang, MB, PhD**, Assistant Professor; **Monica Pearl, MD**, Adjunct Associate Professor; **Miroslaw Janowski, MD, PhD**, Associate Professor; and **Piotr Walczak, MD, PhD**, Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Hyperosmolar Blood-brain Barrier Opening Using Intra-arterial Injection of Hyperosmotic Mannitol in Mice under Real-Time MRI Guidance,” which was published in the December 2021 issue of *Nature Protocol*. Dr. Chu was the first author and Dr. Walczak was the last author.



Yajie Liang, MB, PhD

► **Thomas Ernst, Dr rer nat**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Associations of the Dietary Inflammatory Index with Total Adiposity and Ectopic Fat through the Gut Microbiota, Lipopolysaccharides, and C-Reactive Protein in the Multiethnic Cohort-Adiposity Phenotype Study,” which was published in the December 2021 issue of the *American Journal of Clinical Nutrition*.

► **Jason Falvey, PT, DPT, PhD**, Assistant Professor, Department of Physical Therapy & Rehabilitation Science, was a co-author of “Rehabilitation Care at the Time of Coronavirus Disease-19 (COVID-19) Pandemic: A Scoping Review of Health System Recommendations,” which was published in the journal *Frontiers in Aging Neuroscience* on January 4, 2022.

► **Jack Gladstein, MD**, Professor, Department of Pediatrics, edited a comprehensive text entitled *Pediatric Headache*, which is now in print.

This text was designed to target primary care practitioners, families, and headache specialists. It provides latest treatments, offers practical advice for families in their interactions with school and coaches as well as provides best practices for practitioners to share with school and other practitioners. Pediatric headache experts from all over North America participated in the volume, and an effort was made to incorporate behavioral approaches, acupuncture, and complementary medicine along with traditional approaches.



Jack Gladstein, MD

► **Olga Goloubeva, PhD, MSc**, Professor, is among the co-authors of “Comparison of Efficacy and Toxicity of Chemoradiation Regimens for Head and Neck Squamous Cell Carcinoma Primary Treatment,” which was published in *Head and Neck* on December 20, 2021.

► **Ann Gruber-Baldini, PhD**, Professor, and **Kristen Stafford, PhD, MPH**, Associate Professor, both from the Department of Epidemiology & Public Health, were among the co-authors of “People Ageing with HIV—



Ann Gruber-Baldini, PhD

Protecting a Population Vulnerable to the Effects of COVID-19 and its Control Measures,” which was published in *AIDS Care* on December 24, 2021.

► **Kim Hankey, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Deep Dissection of the Antiviral Immune Profile of Patients with COVID-19,” which was published in *Communications Biology* on December 16, 2021. Dr. Hankey was also among the authors of “Impaired Immune Response to COVID-19 Vaccination in Patients with B-cell Malignancies after CD19 CART Cell Therapy,” which was published in *Blood Advances* on December 23, 2021.



Kim Hankey, PhD

► **Anthony Harris, MD, MPH**, Professor, Department of Epidemiology & Public Health, co-authored “In-Hospital Mortality in a Cohort of Hospitalized Pregnant and Nonpregnant Patients with COVID-19,” which was published in the December 2021 issue of the *Annals of Internal Medicine*.

► **Ronna Hertzano, MD, PhD**, Professor, Department of Otorhinolaryngology–Head and Neck Surgery, and **Jessica Mong, PhD**, Professor,

Department of Pharmacology, were the senior authors on a publication led by **Benjmain Shuster, BS**, Research Fellow, Otorhinolaryngology–Head and Neck Surgery, of “Estradiol Protects against Noise-Induced Hearing Loss and Modulates Auditory Physiology in Female Mice,” which was published in the *International Journal of Molecular Sciences* on November 11, 2021. Dr. Hertzano also was among the co-authors of “Lineage-Tracing and Translational Analysis of Damage-Inducible Mitotic Cochlear Progenitors Identifies Candidate Genes Regulating Regeneration,” which was published in *PLoS Biology* on November 10, 2021.



Ronna Hertzano, MD, PhD

► **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 the authors of “Chest Radiograph and CT Findings in Patients Hospitalized with Breakthrough COVID-19,” which was published in the December 2021 issue of *Radiology: Cardiothoracic Imaging*.



Jean Jeudy, MD



Miroslaw Janowski, MD, PhD

► **Miroslaw Janowski, MD, PhD**, Associate Professor, and **Piotr Walczak, MD, PhD**, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “A Primeval Mechanism of Tolerance to Desiccation Based on Glycolic Acid Saves Neurons in Mammals from Ischemia by Reducing Intracellular Calcium-Mediated Excitotoxicity,” which was published in the December 2021 issue of *Advanced Science (Weinh)*.

► **Pratap Karki, DSci**, Assistant Professor, Department of Medicine, and **Konstantin Birukov, MD, PhD**, Professor, Department of Anesthesiology, were among the co-authors of “Oxidized Phospholipids in Control of Endothelial Barrier Function: Mechanisms and Implication in Lung Injury,” which was published in *Frontiers in Endocrinology* on November 23, 2021. This article was part of the special research topic “Epilipidome as a New Level of Cellular Regulation.”

► **Alysse Kowalski, PhD**, Postdoctoral Fellow; **Ann Pullin Kuhn, PhD**, Postdoctoral Fellow; **Helena Selam, BA**, Graduate Student; **Erin Hager, PhD**, Associate Professor; and **Maureen Black, PhD**, Professor, all



Erin Hager, PhD

from the Department of Pediatrics, were co-authors of “Pre-Pandemic to Early-Pandemic Changes in Risk of Household Food Insecurity among Maryland Families with Children,” which was published in *Public Health Nutrition* on December 10, 2021.



Young Kwok, MD

► **Young Kwok, MD**, Professor, Department of Radiation Oncology, was among the authors of “Quality of Life Implications of Dose-Escalated External Beam Radiation for Localized Prostate Cancer: Results of a Prospective Randomized Phase 3 Clinical Trial, NRG/RTOG 0126,” which was published in the *International Journal of Radiation Oncology, Biology, Physics* on January 1, 2022.

► **Marcel Lanza, PhD**, Research Associate; **Jin Kang**, SPT '22; **Hayley Karl**, SPT '22; **Jacob Myers**, SPT '22; **Erin Ryan**, SPT '22; and **Vicki Gray, MPT, PhD**, Assistant

Professor, all from the Department of Physical Therapy & Rehabilitation Science, were co-authors of the “Hip Abductor Power and Velocity: Reliability and Association with Physical Function,” which was published in the *Journal of Strength and Conditioning Research* on December 23, 2021. He was also a co-author of “Effect of Long-Term Maximum Strength Training on Explosive Strength, Neural and Contractile Properties,” which was published in the *Scandinavian Journal of Medicine and Science in Sports* on January 3, 2022. Drs. Lanza and Gray, along with **Odessa Addison, DPT, PhD**, Associate Professor, all from the Department of Physical Therapy & Rehabilitation Science, were co-authors of “A Systematic Review of the Importance of Hip Muscle Strength, Activation, and Structure in Balance and Mobility Tasks,” which was published in the journal *Archives of Physical Medicine and Rehabilitation* on January 4, 2022.



Vicki Gray, MPT, PhD

► **Surbhi Leekha, MBBS, MPH**, Associate Professor, Department of Epidemiology & Public Health, was among the co-authors of “Prevalence of Carbapenemase-producing Organisms among Hospitalized Solid Organ Transplant Recipients, Five U.S. Hospitals, 2019-2020,” which was published in *Transplant Infectious Disease* on January 5, 2022.

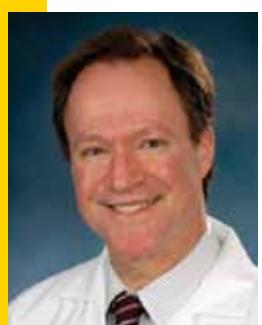
► **Hua Jun Liang, MBBS, PhD**, Postdoctoral Fellow; **Thomas Ernst, Dr rer nat**, Professor; and **Linda Chang, MD, MS**, Professor, all from the Department of Diagnostic

Radiology and Nuclear Medicine, were among the co-authors of “Contributions of Chronic Tobacco Smoking to HIV-Associated Brain Atrophy and Cognitive Deficits,” which was published in the December 2021 issue of *AIDS*. Dr. Liang was the first author and Dr. Chang was the last author.



Linda Chang, MD, MS

► **Richard Lichenstein, MD**, Professor, Department of Pediatrics; **Carol Greene, MD**, Professor, Department of Pediatrics; **Katharine Bisordi, MS, MGC, CGC**, Instructor, Department of Pediatrics; and **Lynn Schriml, PhD**, Associate Professor, Department of Epidemiology & Public Health, Institute for Genome Sciences; were among the co-authors of “The Human Disease Ontology 2022 Update,” which was published in *Nucleic Acids Research* on November 10, 2021.



Richard Lichenstein, MD

► **Iris Lindberg, PhD**, Professor, Department of Anatomy and Neurobiology, co-authored “Obesity, POMC, and POMC-Processing Enzymes: Surprising Results from Animal Models,” which was published in *Endocrinology* on December 1, 2021.



Iris Lindberg, PhD



Jay Magaziner, PhD, MSHyg

► **Jay Magaziner, PhD, MSHyg**, Professor, Department of Epidemiology & Public Health, was among the co-authors of “Advancing Clinical Trials in Nursing Homes: A Proposed Roadmap to Success,” which was published in the *Journal of American Medical Association* on December 22, 2021.

► **Pranshu Mohindra, MD, MBBS**, Associate Professor, Department of Radiation Oncology, was among the

authors of “Demographics of ASTRO Student Members and Potential Implications for Future U.S. Radiation Oncology Workforce Diversity,” which was epublished in the March/April 2022 issue of *Advances in Radiation Oncology*.



Pranshu Mohindra, MD, MBBS

► **Nicholas Morris, MD**, Assistant Professor, Department of Neurology, Program in Trauma; **Patrick McArdle, PhD**, Associate Professor, Department of Medicine; and **Neeraj Badjatia, MD, MS**,

Professor, Department of Neurology, Program in Trauma, and the CARES Surveillance Group, co-authored “Women Receive Less Targeted Temperature Management than Men Following Out-of-Hospital Cardiac Arrest Due to Early Care Limitations,” which was epublished in the October 2021 issue of *Resuscitation*. They also co-authored “Hispanic/Latino Patients Lack Access to Hospitals with Targeted Temperature Management Programs Following Out-of-Hospital Cardiac Arrest,” which was accepted for publication in the *Journal of the American Heart Association* on October 25, 2021.



Nicholas Morris, MD

► **Mutiat Tolu Onigbanjo, MD**, and **Rebecca Carter, MD**, both Assistant Professors, Department of Pediatrics, were among the co-authors of “Social Needs Screening during the COVID-19 Pandemic,” which was published in *Child: Care, Health and Development* on December 6, 2021.



Mutiat Tolu Onigbanjo, MD

► **Dipanjan Pan, MSc, PhD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the last author of “Rational Design



Dipanjan Pan, MSc, PhD

of Surface-State Controlled Multicolor Cross-Linked Carbon Dots with Distinct Photoluminescence and Cellular Uptake Properties,” which was published in the December 2021 issue of *ACS Applied Materials and Interfaces*. Separately, Dr. Pan also was the last author of “A Rapid RNA Extraction-Free Lateral Flow Assay for Molecular Point-of-care Detection of SARS-CoV-2 Augmented by Chemical Probes,” which was published in the December 2021 issue of *Biosensors and Bioelectronics*.



Jeremy Polf, PhD

► **Jeremy Polf, PhD**, Associate Professor; **Narottam Lamichhane, PhD**, Assistant Professor; and **Hem Shukla, PhD**, Assistant Professor, all from the Department of Radiation Oncology, were among the authors of “Therapeutic Efficacy of Variable Biological Effectiveness of Proton Therapy in U-CH2 and MUG-Chor1 Human Chordoma Cell Death,” which was published in *Cancers (Basel)* on December 4, 2021.

► **Lei Ren, PhD**, Professor, Department of Radiation Oncology, was among the authors of “The Markerless Lung Target Tracking AAPM Grand Challenge (MATCH) Results,” which was epublished in *Medical Physics* on December 16, 2021. He was also among the authors of “Prior Image-Guided Cone-Beam Computed Tomography Augmentation from

Under-Sampled Projections Using a Convolutional Neural Network," which was epublished in the December 2021 issue of *Quantitative Imaging in Medicine and Surgery*.



Saima Riazuddin, PhD, MPH, MBA

► **Saima Riazuddin, PhD, MPH, MBA**, Professor, Department of Otorhinolaryngology–Head and Neck Surgery, was the lead author of "Bi-Allelic In-frame Deletion of SOX4 is Associated with Developmental Delay, Hypotonia and Intellectual Disability," which was published in the *European Journal of Human Genetics* on November 8, 2021. **Zubair Ahmed, PhD**, Professor, Department of Otorhinolaryngology–Head and Neck Surgery, was among the co-authors.

► **Elana Smith, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the first author of "Online Hide and Seek: Allopathic US Medical Schools' Radiology Education Virtual Presence," which was published in the January–February 2022 issue of *Current Problems in Diagnostic Radiology*.



Phuoc Tran, MD, PhD

► **Phuoc Tran, MD, PhD**, Professor, Department of Radiation Oncology, was among the authors of "Germline Variants Disrupting MicroRNAs Predict Long-Term Genitourinary Toxicity After Prostate Cancer Radiation," which was epublished in *Radiotherapy and Oncology* on January 3, 2022. He was also among the authors of "An Expert Review on the Combination of Relugolix with Definitive Radiation Therapy for Prostate Cancer," which was published in the *International Journal of Radiation Oncology, Biology, Physics* on December 16, 2021. Separately, Dr. Tran was among the authors of "Performance of a Prostate-Specific Membrane Antigen Positron Emission Tomography/Computed Tomography-Derived Risk-

Stratification Tool for High-Risk and Very High-Risk Prostate Cancer," which was published in *JAMA Network Open* on December 1, 2021.



Charles White, MD

► **Charles White, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the last author of "The Patent Ductus Arteriosus in Adults with Special Focus on Role of CT," which was published in the December 2021 issue of *Diagnostics (Basel)*.

► **Jade Wong-You-Cheong, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of "ACR

Appropriateness Criteria® Adrenal Mass Evaluation: 2021 Update," which was published in the November 2021 issue of the *Journal of the American College of Radiology*.



Paul Yi, MD

► **Paul Yi, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the last author of "Deep Learning Detection of Subtle Fractures Using Staged Algorithms to Mimic Radiologist Search Pattern," which was published in the February 2022 issue of *Skeletal Radiology*.



Jade Wong-You-Cheong, MD

► **Hong Zhang, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of "Higher Radiation Dose to the Immune Cells Correlates with Worse Tumor Control and Overall Survival in Patients with Stage III NSCLC: A Secondary Analysis of RTOG0617," which was published in *Cancers (Basel)* on December 8, 2021.

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:** Erin C. Walton, LCSW-C | erin.walton@som.umaryland.edu
- **Family & Community Medicine:** Cathy Malecki | CathyMalecki@som.umaryland.edu Erin 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

- **Ophthalmology:** Amy Kopec | akopec@som.umaryland.edu
- **Orthopaedics:** Dori Kelly | dkelly@umoa.umm.edu
- **Otorhinolaryngology:** Zubair Ahmed | zahmed@som.umaryland.edu
- **Pathology:** Lisa Rodgers | L Rodgers@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 | rkeriyakos@som.umaryland.edu

Institute of Human Virology (IHV)

- Nora Samaranayake | nsamaranayake@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 | rrowens@som.umaryland.edu
- **Center for Stem Cell Biology:** Evets Morgan | emorgan@som.umaryland.edu
- **Center for Vaccine Development and Global Health:** Andrew Lentini | alentini@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

- Laundette Jones | lpjones@som.umaryland.edu

Program in Neuroscience

- Georgia Rogers | grogers@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:** Roberta 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