



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!



Amal Mattu, MD

► The **Department of Emergency Medicine** held its 6th annual Emergency Cardiology Symposium on March 24, 2021, with nearly 3,000 people from 86 countries registering to attend. **Amal Mattu, MD**, Professor, Department of Emergency Medicine, directed the symposium and **Leen Alblaihed, MBBS, MHA**, Adjunct Instructor, Department of Emergency Medicine, lectured on "COVID-Related Dysrhythmias."

► **Bizhan Aarabi, MD**, Professor, Department of Neurosurgery, was the Nathan Rifkinson Neurosurgery Forum Keynote Speaker at the University of Puerto Rico School of Medicine on May 15, 2021.



Wilbur Chen, MD, MS

► **Wilbur Chen, MD, MS**, Professor, Department of Medicine, presented at a town-hall discussion sponsored by Seabrook SDA (Seventh-Day Adventist Church) on "Covid Vaccines" on March 6, 2021.

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, delivered two oral presentations at the Society of Nuclear Medicine and Molecular Imaging Mid-Eastern Chapter Annual Meeting, entitled "SPECT Cardiac Perfusion and Innervation Imaging" and "PET-CT Cardiac Perfusion and Viability," which was held virtually on April 10, 2021.



Bizhan Aarabi, MD



Vasken Dilsizian, MD



Robert Gallo, MD

► **Robert Gallo, MD**, The Homer & Martha Gudelsky Distinguished Professor in Medicine, Director, Institute of Human Virology, greeted members of the NVA at its regional conference in Khabarovsk, Russia, with a pre-recorded message April 19-20, 2021. The title of his talk was "Reflections on HIV Research Advances Pandemic Diseases, and CoVID-19."

► **Charles Hong, MD, PhD**, the Melvin Sharoky, MD Professor in Medicine, gave a Frontiers in Cardiovascular Science lecture entitled "Unbiased Phenotype-Based Approach to Biology: from Small Molecules to Big Data" at Stanford University on March 23, 2021.



Charles Hong, MD, PhD



Karen Kotloff, MD

► **Karen Kotloff, MD**, Professor, Department of Pediatrics, gave an update on the Johnson & Johnson vaccine and variant strains to BDS Healthy Aging Networks on March 17, 2021.

► **Judy LaKind, PhD**, Adjunct Associate Professor, Department of Epidemiology & Public Health was invited to give a presentation entitled "The Use of Environmental Epidemiology



Judy LaKind, PhD

and Toxicology Data in Risk Management" at the Annual CropLife America and RISE 2021 Regulatory Conference, which was held virtually on April 20, 2021.



Miriam Laufer, MD

► **Miriam Laufer, MD**, Professor, Department of Pediatrics, presented "Malaria in School-Aged Children: The Missing Middle" at the Luminary in Global Health as a speaker in the St. Jude's-Pediatric Infectious Diseases Society Annual Meeting on March 6, 2021.

► **Benjamin Lawner, DO, MS, EMT-P**, Assistant Professor, Department of Emergency Medicine, lectured on "EMS [Emergency Medical Services] Trauma Management" at the Trauma Fundamentals Virtual Conference 2021, which was conducted by Emergency Medicine Reviews and Perspectives on April 14, 2021.



Benjamin Lawner, DO, MS, EMT-P

► **Kathleen Neuzil, MD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH Professor in Vaccinology, and Director, Center for Vaccine Development and Global Health, was a panelist for the Chancellor's Lecture Series "Vanderbilt in the Vanguard: The Decades-long Journey to a Coronavirus Vaccine" on March 23, 2021. She also was a guest panelist at the CR Forum Industry Roundtable on "COVID-19" on April 1, 2021.

► **Gary Plotnick, MD**, Professor Emeritus, and **Michael Fisher, MD**, Professor, both from the Department of Medicine, hosted the 3rd annual Endowed Lecture at Medical Grand Rounds on April 21, 2021. The event's featured speaker was Robert J. Myerburg, MD, Professor of Medicine and Physiology at the Miller School of Medicine, University of Miami, whose lecture was entitled, "Insights into the Diagnosis and Management of the Inherited Channelopathies."

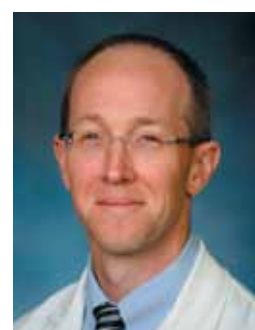


Gary Plotnick, MD

► **Emerson Wickwire, PhD**, Associate Professor, Departments of Psychiatry and Medicine, presented an invited lecture at the International Sleep Science and Technology Association Annual Meeting. The title of the presentation was "Tele-sleep and COVID-19."



Emerson Wickwire, PhD



Mike Winters, MD

► **Mike Winters, MD**, Professor, Department of Emergency Medicine, was among the discussants in the twice-monthly podcast, Critical Care Perspectives in Emergency Medicine, episode "ECMO [Extracorporeal Membrane Oxygenation] for Cardiac Arrest and Massive PE [Pulmonary Embolism]," which was published on March 29, 2021.

► **Michael Zarro, PT, DPT, SCS, CSCS**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, hosted a session entitled: "Science Meets Practice Session 1: Comprehensive Division 1 Intercollegiate Athletics Care," which discussed the role of sleep, NSAIDs, collaboration among providers, and rehabilitation within college athletics. This was presented during the American Physical Therapy Association's annual Combined Sections Meeting, which was held virtually in February 2021.



Michael Zarro, PT, DPT, SCS, CSCS

Honors & Awards

Congratulations to the following who have received honors!

► **Sheryl Arambula, PhD**, Postdoctoral Fellow, Department of Pharmacology, was selected by the Society for Neuroscience (SfN) as a 2021 Early Career Policy Ambassador and recently attended SfN's Capitol Hill Day, where she met with legislators to advocate for biomedical research funding and policies that support science.



Seemant Chaturvedi, MD

► **Seemant Chaturvedi, MD**, the Stewart J. Greenebaum Endowed Professor of Stroke Neurology, received the Association of Indian Neurologists in America's (AINA) Lifetime Achievement award. Dr. Chaturvedi served as AINA President from 2017-2019 and is the first stroke neurologist to receive this award. The award was presented in a ceremony on April 18, 2021 and was sponsored by the American Brain Foundation.

► **Meagan Deming, MD, PhD**, Postdoctoral Fellow, Center for Vaccine Development, was the recipient of the IDCRC (Infectious Diseases Clinical Research Consortium) Inaugural New Investigator Pilot Award for a project entitled "Seasonal Coronavirus Immunity and Effects on SARS-CoV-2 Immune Response."

► **Michael Domanski, MD**, Professor, Department of Medicine, was recognized for his paper entitled "Time Course of LDL Cholesterol Exposure and Cardiovascular Disease Event Risk," which was selected as one of the *Journal of American College of Cardiology* Editor-in-Chief's Top Picks for 2020.

► **Samuel Galvagno, DO, PhD**, Professor, and **Wei Chao, MD, PhD, FAHA**, the Anesthesiology Endowed Professor in Translational Research, both from the Department of Anesthesiology, were inaugural awardees of the 2021 Colin Mackenzie and Cristina Imle Mentoring Prize. Professor Emeritus **Colin Mackenzie, MB, ChB, MD**, and his wife, Cristina Imle, PT, made a generous donation to the Department of Anesthesiology to support an Annual Mentoring Prize. The Anesthesiology Mentoring Prize recognizes faculty member(s) who have consistently demonstrated quality mentorship that has impacted professional development and career advancement in one or more of the following areas: clinical medicine, research, local and regional service, and teaching.



Samuel Galvagno, DO, PhD

► **Charles Hong, MD, PhD**, the Melvin Sharoky, MD Professor in Medicine, has been named one of the Three Top University of Maryland School of Medicine Physician-Scientists Honored as Distinguished Fellows by the American Association for Advancement of Science (AAAS).



Charles Hong, MD, PhD

► **Gregory Jasani, MD**, Resident, Department of Emergency Medicine, was named Resident of the Year by the Maryland Chapter of the American College of Emergency Physicians (ACEP) on March 18, 2021. The award is given to a resident "who embodies a great spirit of altruism and whose combination of clinical promise, leadership, dedication, and commitment to emergency medicine patient-centered care separates them from others."

► **David Marcozzi, MD, MHS-CL, FACEP**, Professor, Department of Emergency Medicine, was named Physician of the Year by the Maryland Chapter of the American College of Emergency Physicians (ACEP) on March 18, 2021. The award is given to an emergency physician "who consistently



David Marcozzi, MD, MHS-CL, FACEP

achieves high standards in the practice of emergency medicine" and is seen as a role model to their peers in that field of practice.

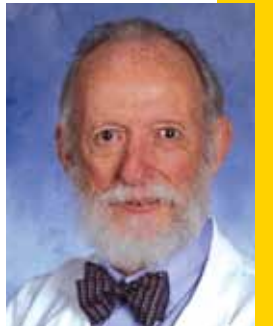
► **Warren Naselsky, MD**, Student, in the lab of **Richard Eckert, PhD**, Chair of Biochemistry and Molecular Biology, received the iMig 2021 Young Investigator's Award for the 15th Meeting of the International Mesothelioma Interest Group (iMig 2021), which was held virtually, May 7-9, 2021.

► **John Talbott, MD**, Professor Emeritus and Chair Emeritus, Department of Psychiatry, was recognized on May 2, 2021 at the Annual Meeting of the American Psychiatric Association (APA) with the Distinguished Service Award. Dr. Talbott was President of the APA 1984-1985 and Editor of their journal *Psychiatric Services* from 1980-2004.



Quincy Tran, MD, PhD, FACEP

► **Quincy Tran, MD, PhD, FACEP**, Assistant Professor, Department of Emergency Medicine, was invited on March 28, 2021 to serve as the Critical Care Section Editor for the *Western Journal of Emergency Medicine* in recognition of his previous dedicated service as a reviewer for the journal.



John Talbott, MD

► **Rose Marie Viscardi, MD**, Professor Emeritus, Department of Pediatrics, was awarded the Eastern Society of Pediatric Research Mentor of the Year Award on March 11, 2021.



Stefanie Vogel, PhD

► **Stefanie Vogel, PhD**, Professor, Department of Microbiology and Immunology, was named one of the 2021 Distinguished Fellows of the American Association of Immunologists (AAI) in March 2021. This "recognizes members of the AAI for their distinguished careers and outstanding scientific contributions, as well as their service to AAI and the immunology community. It honors active, long-term members (25 or more years) who have demonstrated one or more of the following: a research career of recognized accomplishment in the field of immunology; exceptional leadership to the immunology community at a national or international level in academia, nonprofits, or societies, industry, or government; notable distinction as an educator."



Rose Viscardi, MD

► **Justine Yu** became the first MD-PhD student to earn her PhD in Bioengineering at the University of Maryland College Park. She successfully defended her thesis: "A Nanocomposite Hydrogel for SDF-1 α Delivery and Modulation of Phenotype for Skin Tissue Regeneration" on April 6, 2021. On July 1, 2021, Justine will return to medical school to complete her third and fourth years of medical school.

► **The Microbiome Service Laboratory Team (MSL), Institute for Genome Sciences (IGS)**, was named a UMB Champions of Excellence on March 29, 2021. The laboratory team was recognized for its work to transform a genomics lab into a large-scale COVID-19 testing platform. IGS collaborated with University of Maryland Pathology Associates, UMB, the State of Maryland, and the City of Baltimore on the project. **Claire Fraser, PhD**, the Dean's Endowed Professor, Director, Institute for Genome Sciences, called the MSL team's work "extraordinary."



Claire Fraser, PhD

Grants & Contracts

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

► **Michael Anderson**, Graduate Student, Department of Physiology, Program in Neuroscience, received a three-year Ruth L. Kirschstein Individual Predoctoral National Research Service Award from the National Institute of Mental Health (NIMH) entitled “Direct Visualization of Triheteromeric NMDA Receptors.”

► **Sally Cheston, MD**, (PI), Associate Professor, Department of Radiation Oncology, received a one-year \$9,800 clinical site agreement with TME Research LLC, for “A Prospective Registry Study to Evaluate the Effect of the DCISionRT Test on Treatment Decisions in Patients with DCIS Following Breast Conserving Therapy.”

► **Michael Domanski, MD**, Professor, Department of Medicine, who served as Co-PI, along with colleagues from the University of Maryland Baltimore County (UMBC), were awarded \$40,000 from the University of Maryland, Baltimore (UMB) Institute for Clinical & Translational Research (ICTR) Accelerated Translational Incubator Pilot (ATIP) Grant Program for their project entitled “Evaluation of the Effect of Serum Lipid Levels on the Progression of Renal Dysfunction.”



Ronna Hertzano, MD, PhD

► **Ronna Hertzano, MD, PhD**, Associate Professor, Department of Otorhinolaryngology–Head & Neck Surgery, received a five-year \$2,513,984 grant from the National Institute on Deafness and other Communication Disorders (NIDCD) for “The gEAR Portal—Advancing Data Sharing, Analysis and Discovery for Hearing and Balance Research.”

► **Anna Jablonska, PhD**, Research Associate, Department of Diagnostic Radiology and Nuclear Medicine, was awarded \$397,388 for a 17-month R21 grant from NINDS entitled “Combination Therapy with Glial Restricted Progenitors and miRNAs to Repair Stroke Damage.” Dr. Jablonska also was awarded \$224,448 for a two-year NIH subcontract from Children’s National Health System entitled “Enhanced Intra-Arterial Drug Delivery to the Brain after Blood Brain Barrier Opening: Comparison between Osmotic and MRI-Guided Focused Ultrasound.”

► **Mirosław Janowski, MD, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded \$1,931,250 for a five-year R01 grant from NINDS entitled “Image-Guided, Intra-Arterial Delivery of Antibodies to the Central Nervous System.”



Mirosław Janowski, MD, PhD



Laundette Jones, PhD

► **Laundette Jones, PhD**, Assistant Professor, Department of Epidemiology & Public Health, received a one-year, \$10,000 award from Johns Hopkins University for her project entitled “Transdisciplinary Research for Community and Social Impact.” This is a pilot award through the Institute for Clinical and Translational Research Community Collaboration Core (ICTR).

► **Yuanyuan Liang, PhD, MSc**, Professor, Department of Epidemiology & Public Health, received a five-year \$180,223 subcontract with the University of Texas at Austin for work on an NIH award entitled, “mHealth Technology to Connect and Empower People Experiencing Homelessness to Improve Health and Social Need Outcome.”

► **Timothy Miller, MD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded \$86,242 for a five-year clinical study contract from Legacy Ventures, PLLC, for “Prospective, Open-Label, Multi-Center, Single-Arm Trial Designed to Assess the Safety, Performance and Efficacy of the NeVa Stent Retriever in the Treatment of Large Vessel Occlusion Strokes: CLEAR Study.”

► **Patricia Outeda, PhD**, Assistant Professor, Department of Medicine, received a one-year award of \$112,395 from Crinetics Pharmaceuticals, Inc., for her project entitled “Characterization of the Therapeutic Potential of CRN0XXXX in a Mouse Model ADPKD.”



Robert Reed, MD

► **Robert Reed, MD**, Professor, Department of Medicine, received a three-year \$668,650 award from Regeneron Pharmaceuticals Inc., for his project entitled “Regeneron—A Randomized, Double Blind, Placebo Controlled, Parallel Group Study to Evaluate the Effect of Dupilumab on Exercise Limitation in Patients with Moderate-to-Severe Asthma.”

► **Stephen Seliger, MD, MS**, Associate Professor, Department of Medicine, received a two-year supplemental award of \$157,312 from Palladio Bioscience for his project entitled “An Open-Label Study of Lixivaptan in Subjects with Autosomal Dominant Polycystic Kidney Disease Who Previously Experienced Abnormal Liver Chemistry Test Results.”



Stephen Seliger, MD, MS

► **Diane Marie St. George, PhD**, Associate Professor, Department of Epidemiology & Public Health, received a one-year, \$9,919 award from Johns Hopkins University for her project entitled “Building Partnership and Capacity to Conduct Youth Participatory Research in Disadvantaged Communities.” This is a pilot award through the Institute for Clinical and Translational Research Community Collaboration Core (ICTR).



Piotr Walczak, MD, PhD

► **Piotr Walczak, MD, PhD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded \$108,592 for a four-year NIH subcontract from Johns Hopkins University (JHU) entitled “Non-Contrast MR Imaging of Blood-Brain-Barrier Permeability in Alzheimer’s Disease.”

New Faculty

We welcome our new faculty!

► **Sadegh Asadi, MD**, Assistant Professor, Department of Medicine, Division of Cardiovascular Medicine, will be joining the Heart Failure and Transplant Program effective July 1, 2021.

► **Lisa Weiss Forbess, MD**, Assistant Professor, Department of Medicine, Division of Cardiovascular Medicine, will be joining the Adult Congenital Program effective June 1, 2021.

► **Syed Waqas Haider, MD**, Assistant Professor, Department of Medicine, Division of Cardiovascular Medicine, will be joining the Midtown Cardiology team effective August 1, 2021.

► **Lane White, PT, DPT**, joined the Department of Physical Therapy and Rehabilitation Science on March 15, 2021 as an Assistant Professor.



Lane White, PT, DPT

Publications

Hats off to those who have been published!



Zubair Ahmed, PhD

► **Zubair Ahmed, PhD**, and **Saima Riazuddin, PhD, MPH, MBA**, both Professors from the Department of Otorhinolaryngology–Head & Neck Surgery, were among the co-authors of “Genetic Causes of Oculocutaneous Albinism in Pakistani Population,” which was published in *Genes* on March 28, 2021. Dr. Ahmed also was among the co-authors of “Guidelines for the Use and Interpretation of Assays for Monitoring Autophagy (4th edition),” which was published in the February-March 2021 issue of *Autophagy*.

► **Nesreen Alissa**, PhD Student, Department of Physical Therapy and Rehabilitation Science, was a co-author of “Understanding the Influence of Pain and Fatigue on Physical Performance, Fear of Falling and Falls in People with Parkinson’s Disease: A Pilot Study,” which was recently published in *Neurodegenerative Disease Management*.

► **Gad Alon, PT, PhD**, Associate Professor Emeritus, Department of Physical Therapy and Rehabilitation Science, was a co-author of “Effect of Neuromuscular Electrical Stimulation on the Recovery of People with COVID-19 Admitted to the Intensive Care Unit: A Narrative Review,” which was recently published in the *Journal of Rehabilitation Medicine*.



Gad Alon, PT, PhD

► **Megan Anders, MD, MS**, Assistant Professor, Department of Anesthesiology, was among the co-authors of “Preventing Retained Surgical Items during Endovascular Procedures: Bridging the Gap between Guidelines and Practice,” which was published in the *AORN Journal* on November 30, 2020.



Megan Anders, MD, MS

► **Michael Benitez, MD**, Professor, Department of Medicine, completed work on three chapters for the upcoming MKSAP19 (Medical Knowledge Self-Assessment Program, 19th edition) for the American College of Physicians. Chapters include: Myocardial Disease, Pericardial Disease, and Cardiovascular Disease in the Cancer Patient.

► **James Campbell, MD, MS**, Professor, Department of Pediatrics, was among the co-authors of “Correction to: Optimizing the Contributions of Nursing and Midwifery Workforces: #Protect, #Invest, #Together,” which was published in *Human Resources for Health* on March 22, 2021.



James Campbell, MD, MS

► **Qi Cao, BM, PhD**, Assistant Professor (co-first author) and **Su Xu, PhD**, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of the cover article “Brain Ethanol Metabolism by Astrocytic ALDH2 Drives the Behavioural Effects of Ethanol Intoxication,” which was published in the March 2021 issue of *Nature Metabolism*. Separately, Dr. Cao was last author of “Hepatic COX-2 Expression Protects Mice from an Alcohol-High Fat Diet-Induced Metabolic Disorder by Involving Protein Acetylation Related Energy Metabolism,” which was published in the March 2021 issue of *Alcohol*.



Qi Cao, BM, PhD

► **Linda Chang, MD, MS**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “An Emerging Syndemic of Smoking and Cardio-pulmonary Diseases in People Living with HIV in Africa,” which was published in the March 2021 issue of the *International Journal of Environmental Research and Public Health*.



Linda Chang, MD, MS



Rong Chen, PhD

► **Rong Chen, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the last author of “Thalamic Structural Connectivity Abnormalities in Minimal Hepatic Encephalopathy,” which was published in the February 2021 issue of *Frontiers in Neuroanatomy*.

► **Christine Cloak, PhD**, Assistant Professor; **Linda Chang, MD, MS**, Professor; and **Thomas Ernst, Dr rer nat**, Professor; all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Rates of Incidental Findings in Brain Magnetic Resonance Imaging in Children,” which was e-published in *JAMA Neurology* on March 22, 2021. Drs. Cloak, Chang and Ernst were also among the co-authors of “Correspondence between Perceived Pubertal Development and Hormone Levels in 9-10 Year-Olds from the Adolescent Brain Cognitive Development Study,” which was published in the February 2021 issue of *Frontiers in Endocrinology*.

► **Lauren Cohee, MD**, Instructor, and **Miriam Laufer, MD**, Professor, both from the Department of Pediatrics, were among the co-authors of “School-Based Screening and Treatment May Reduce *P. falciparum* Transmission,” which was published in *Scientific Reports* on March 25, 2021.



Miriam Laufer, MD

► **Derik Davis, MD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Cartiform Implantation for Focal Cartilage Defects in the Knee: A 2-year Clinical and Magnetic Resonance Imaging Follow-Up Study,” which was published in the February 2021 issue of the *Journal of Orthopaedics*.



Jason Falvey, PT, DPT, PhD

► **Jason Falvey, PT, DPT, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was a co-author of the commentary “Addressing Unmet Adaptive Equipment Needs through Primary Care,” which was recently published in the *Journal of the American Medical Association (JAMA) Internal Medicine*. Dr. Falvey was also a co-author of “Stakeholder and Data-Driven Fall Screen in a Program of All-Inclusive Care for the Elderly, Quality Improvement Initiative” and “Older Adults’ Perceptions Regarding the Role of Physical Therapists in Fall Prevention, A Qualitative Investigation,” which were recently published in the *Journal of Geriatric Physical Therapy*.

► **Cara Felter, PT, DPT, MPH**, Assistant Professor; **Leslie Glickman, PT, PhD**, Visiting Assistant Professor; **Kelly Westlake, PT, MSc, PhD**, Associate Professor; and **Victoria Marchese, PT, PhD**, Associate Professor and Chair, all from the Department of Physical Therapy and Rehabilitation Science, were co-authors of “International Global Health Education for Doctor of Physical Therapy Students: A Scoping Review,” which was recently published in *Physical Therapy Reviews*.



Cara Felter, PT, DPT, MPH



Magali Fontaine, MD, PhD

► **Magali Fontaine, MD, PhD**, authored “Kinetics of SARS CoV2 Antibody Responses Pre- and Post- COVID19 Convalescent Plasma Transfusion in Patients with Severe Respiratory Failure: An Observational Case-control Study,” which was published in the *Journal of Clinical Pathology*.

► **Aletta Frazier, MD**, Clinical Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the last author of “Intimal Sarcoma of the Great Vessels,” which was published in the March-April 2021 issue of *Radiographics*.



DeAnna Friedman-Klabanoff, MD

► **DeAnna Friedman-Klabanoff, MD**, Instructor, Department of Pediatrics; **Mark Travassos, MD, MSc**, Assistant Professor, Department of Pediatrics; **Kirsten Lyke, MD**, Professor, Department of Medicine; **Matthew Laurens, MD, MPH**, Associate Professor, Department of Pediatrics; **Shannon Takala-Harrison, PhD**, Associate Professor, Department of Medicine; **Christopher Plowe, MD, MPH, FASTMH**, Adjunct Professor, Department of Medicine, and **Andrea Berry, MD**, Assistant Professor, Department of Medicine, were among the co-authors of “Antibodies to Peptides Representing *Plasmodium falciparum* Circumsporozoite Protein Reflect Acquisition of Naturally Acquired

Immunity in Malian Adults and Children,” which was published in the March 2021 issue of the *Journal of the Pediatric Infectious Diseases Society*.

► **Robert Gallo, MD**, The Homer & Martha Gudelsky Distinguished Professor in Medicine, Director, Institute of Human Virology, along with other colleagues from the Institute’s Division of Virology, Pathogenesis and Cancer (VPC); **Sabrina Curreli, PhD**, Research Associate, Department of Medicine; **Francesca Benedetti, PhD**, Research Associate, Department of Biochemistry and Molecular Biology; **Fiorenza Cocchi, MD**, Assistant Professor, Department of Medicine; and **Davide Zella, PhD**, Assistant Professor, Department of Biochemistry and Molecular Biology, were among the authors of “Analysis of DnaK Expression from a Strain of Mycoplasma Fermentans in Infected HCT116 Human Colon Carcinoma Cells,” which was published in the *International Journal of Molecular Sciences*.



Robert Gallo, MD



Dheeraj Gandhi, MBBS

► **Dheeraj Gandhi, MBBS**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Decline in Subarachnoid Haemorrhage Volumes Associated with the First Wave of the COVID-19 Pandemic,” which was e-published in *Stroke and Vascular Neurology* on March 26, 2021. Separately, Dr. Gandhi was also among the co-authors of “Global Impact of COVID-19 on Stroke Care and Intravenous Thrombolysis” which was e-published in the March 2021 issue of *Neurology*, and “EXPRESS: Drip-and-Ship versus Mothership for Endovascular Treatment of Acute Stroke: A Comparative Effectiveness Analysis,”

which was e-published in the March 2021 issue of the *International Journal of Stroke*.

► **Vicki Gray, MPT, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was a co-author of “Moderate Aerobic Exercise Prevents Matrix Degradation and Death in a Mouse Model of Aortic Dissection and Aneurysm,” which was recently published in the *American Journal of Physiology - Heart and Circulatory Physiology*.

► **Muhammad Hamza**, Medical Student; **Narottam Lamichhane, PhD**, Assistant Professor; **Shifeng Chen, PhD**, Associate Professor; and **Pranshu Mohindra, MD**, Associate Professor, all from the Department of Radiation Oncology, were among the authors of “Conformal Radiotherapy in Patients with Cardiovascular Implantable Electronic Devices: Proposed Practical Implementation of the TG-203 Risk-Stratified Interrogation Schedule,” which was e-published in *Practical Radiation Oncology* on April 3, 2021.



Shifeng Chen, PhD

► **Ronna Hertzano, MD, PhD**, Associate Professor, Department of

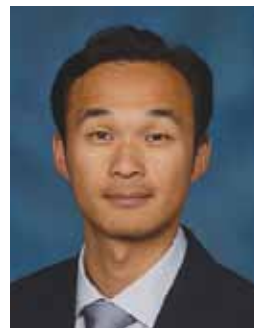


Vicki Gray, MPT, PhD



Ronna Hertzano, MD, PhD

Otorhinolaryngology–Head & Neck Surgery; **Lawrance Lee** (4th-year Medical Student); and **Benjamin Shuster, BS**, Research Fellow, also from the Department of Otorhinolaryngology–Head & Neck Surgery, were among the co-authors of “Music Level Preference and Perceived Exercise Intensity in Group Spin Classes,” which was published in the January-March 2021 issue of *Noise and Health*.



Simon Ho, PT, DPT

► **Simon Ho, PT, DPT**, Assistant Professor, and **Victoria Marchese, PT, PhD**, Chair and Associate Professor, both from the Department of Physical Therapy and Rehabilitation Science, were co-authors of “Exploring Pulmonary Function and Physical Function in Childhood Cancer: A Systematic Review,” which was recently published in *Critical Reviews in Oncology/Hematology*.

► **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 “Dual-energy CT Evidence of Pulmonary Microvascular Occlusion in Patients with Sickle Cell Disease Experiencing Acute Chest Syndrome,” which was e-published in the March 2021 issue of *Clinical Imaging*. Separately, Dr. White was the last author of “Prompt CT Diagnosis of Epicardial Coronary Abscess after Percutaneous Coronary Intervention Caused by *Klebsiella Pneumoniae*,” which was published in the March 2021 issue of *Korean Circulation Journal*.



Charles White, MD



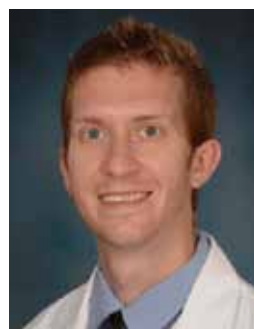
Miroslaw Janowski, MD, PhD

► **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 “Intra-Arterial Transplantation of Stem Cells in Large Animals as a Minimally-Invasive Strategy for the Treatment of Disseminated Neurodegeneration,” which was published in the March 2021 issue of *Scientific Reports*.

► **Woohyoung Jeon, PhD**, Postdoctoral Fellow; **Jill Whittall, PhD**, Professor Emerita; and **Kelly Westlake, PT, MSc, PhD**, Associate Professor, all from the Department of Physical Therapy and Rehabilitation Science, were co-authors of “Trunk Kinematics and Muscle Activation Patterns during Stand-to-Sit Movement and the Relationship with Postural Stability in Aging,” which was recently published in *Gait & Posture*.



Jill Whittall, PhD

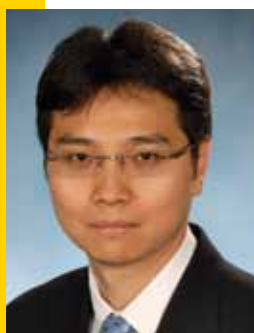


Brian Johnson, PhD

► **Brian Johnson, PhD**, Instructor (Adjunct Faculty I), and **Kelly Westlake, PT, MSc, PhD**, Associate Professor, both from the Department of Physical Therapy and Rehabilitation Science, were co-authors of “The Intersection of Offline Learning and Rehabilitation,” which was recently accepted for publication in *Frontiers in Human Neuroscience*.

► **Artan Kaso, PhD**, Postdoctoral Fellow, and **Thomas Ernst, Dr rer nat**, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were the authors of “Motion-Insensitive Diffusion Imaging of the Brain Using Optical Tracking and Dynamic Sequence Updates,” which was e-published in *Magnetic Resonance in Medicine* on March 15, 2021. Separately, Dr. Ernst was among the co-authors of “Body Fat Distribution, Glucose Metabolism, and Diabetes Status among Older Adults: The Multiethnic Cohort Adiposity Phenotype Study,” which was e-published in the *Journal of Epidemiology* on February 27, 2021.

► **Anthony Kim, PhD**, Associate Professor, Department of Neurosurgery, was co-editor of the “Nanotherapy for Brain Tumor



Anthony Kim, PhD

Drug Delivery,” which will be published in the *Neuromethods Book Series* in 2021 by Springer Nature Publishing.

► **Ann Kuhn, PhD**, Postdoctoral Fellow; **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics; and **Erin Hager, PhD**, Associate Professor, all from the Department of Pediatrics, were co-authors of “Using Ecological Momentary Assessment to

Identify Environment Factors Associated with Physical Activity among Mothers of Toddlers from Low-Income Households,” which was published in *BMC Women’s Health* on March 22, 2021.

► **Shenghan Lai, MD**, Assistant Professor, Department of Epidemiology & Public Health, wrote an editorial entitled “HIV and Coronary Atherosclerosis: Research Separates Association from Causation,” which will be published in *Radiological Society of North America*.

► **Marcel Lanza, PhD**, Postdoctoral Fellow, Department of Physical Therapy and Rehabilitation Science, was a co-author of “The Effect of Different Resistance Training Protocols Equalized by Time Under Tension on the Force-position Relationship after 10 Weeks Training Period,” and “Corticospinal Excitability and Motor Representation after Long-term Resistance Training,” both of which were published in the *European Journal of Neuroscience*. Dr. Lanza was also a co-author of “Equalization of Training Protocols by Time Under Tension Determines the Magnitude of Changes in Strength and Muscular Hypertrophy,” which was recently published in the *Journal of Strength and Conditioning Research*.



Maureen Black, PhD

► **Matthew Laurens, MD, MPH**, Associate Professor, and **Miriam Laufer, MD**, Professor, both from the Department of Pediatrics, were among the co-authors of “Revisiting Co-Trimoxazole Prophylaxis for African Adults in the Era of Antiretroviral Therapy: A Randomized Controlled Clinical Trial,” which was e-published in *Clinical Infectious Diseases* on March 21, 2021.

► **Xiao Liang, PhD**, Postdoctoral Fellow (first author); **Steven Roys, MS**, Research Associate; **Rao Gullapalli, PhD, MBA**, Professor; and **Jiachen Zhuo, PhD**,

Assistant Professor (last author), all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Prospective Motion Detection and Re-Acquisition in Diffusion MRI Using a Phase Image-Based Method-Application to Brain and Tongue Imaging,” which was e-published in *Magnetic Resonance in Medicine* on March 4, 2021. Separately, Dr. Gullapalli was among the co-authors of “Latent Profile Analysis of Neuropsychiatric Symptoms and Cognitive Function of Adults 2 Weeks after Traumatic Brain Injury: Findings from the TRACK-TBI Study,” which was published in the March 2021 issue of *JAMA Network Open*.

► **Carmen Mannella, PhD**, Visiting Professor, and **W. Jonathan Lederer, MD, PhD**, Professor, both from the Department of Physiology, were co-authors of “The Effect of Crista Morphology on Mitochondrial ATP Output: A Computational Study,” which was e-published in *Current Research in Physiology* on April 1, 2021.

► **Jason Molitoris, MD, PhD**, Assistant Professor; **Gregory Alexander, MD**, Resident; **Osman Siddiqui, MD**, Resident; **Justin**



Rao Gullapalli, PhD, MBA



W. Jonathan Lederer, MD, PhD



Jason Molitoris, MD, PhD

Cohen, MD, Resident; **Mark Mishra, MD**, Associate Professor; and **Zaker Rana, MD**, Assistant Professor, all from the Department of Radiation Oncology, were the authors of “High-Risk, Recurrent and Oligometastatic Prostate Cancer: Recent Developments on the Role of Radiation,” which was published in *Current Opinion in Oncology* on May 1, 2021. Separately, Dr. Molitoris, and **Matthew Witek, MD, MS**, Associate Professor, also from the Department of Radiation Oncology, were among the authors of “Impact of the Novel Coronavirus 2019 (COVID-19) Pandemic on Head and Neck Cancer Care,” which was e-published in *Otolaryngology—Head and Neck Surgery* on March 30, 2021.

► **Samhati Mondal, MBBS**, Assistant Professor; **Susan Sankova, MD**, Assistant Professor; and **Michael Mazzeffi, MD, MPH**, Associate Professor, all from the Department of Anesthesiology, were among the co-authors of “Intraoperative and Early Postoperative Management of Patients Undergoing Minimally Invasive Left Ventricular Assist Device Implantation,” which was published in the February 2021 issue of the *Journal of Cardiothoracic and Vascular Anesthesia*.

► **Robert Morales, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Impact of the Novel Coronavirus 2019 (COVID-19) Pandemic on Head and Neck Cancer Care,” which was e-published in the March 2021 issue of *Otolaryngology Head and Neck Surgery*.

► **Michael Mulligan, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the author of “Myeloma Response Assessment and Diagnosis System (MY-RADS): Strategies for Practice Implementation,” which was e-published in *Skeletal Radiology* on March 6, 2021.



Kathleen Neuzil, MD, MPH, FIDSA

► **Kathleen Neuzil, MD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH Professor in Vaccinology, and Director, Center for Vaccine Development and Global Health; **Miriam Laufer, MD**, Professor of Pediatrics; and **Meagan Deming, MD, PhD**, Postdoctoral Fellow, Center for Vaccine Development, were among the co-authors of “Hydroxychloroquine As Postexposure Prophylaxis to Prevent Severe Acute Respiratory Syndrome Coronavirus 2 Infection: A Randomized Trial,” which was published in the *Annals of Internal Medicine* on March 17, 2021.

► **Erin O’Connor, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the last author of “Lesion Location May Attenuate Response to Strategy Training in Acute Stroke,” which was e-published in *PM&R: the Journal of Injury, Function and Rehabilitation* on March 17, 2021.



Rekha Rapaka, MD, PhD

► **Rekha Rapaka, MD, PhD**, Assistant Professor, Department of Medicine; **Elizabeth Hammershaimb, MD**, Postdoctoral Fellow, Department of Pediatrics, Center for Vaccine Development; and **Kathleen Neuzil, MD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH Professor in Vaccinology, and Director, Center for Vaccine Development and Global Health, were among the co-authors of “Are Some COVID Vaccines Better than Others? Interpreting and Comparing Estimates of Efficacy in Trials of COVID-19 Vaccines,” which was e-published in *Clinical Infectious Diseases* on March 6, 2021.



Samhati Mondal, MBBS



Erin O’Connor, MD



Saima Riazuddin, PhD,
MPH, MBA

► **Saima Riazuddin, PhD, MPH, MBA**, Professor, and **Zubair Ahmed, PhD**, Professor, both from the Department of Otorhinolaryngology–Head & Neck Surgery, were among the co-authors of “Biallelic Variants in TMEM222 Cause a New Autosomal Recessive Neurodevelopmental Disorder,” which was published in the journal *Genetics in Medicine* on April 6, 2021. Dr. Riazuddin also was among the co-authors of “A Missense Allele of PEX5 is Responsible for the Defective Import of PTS2 Cargo Proteins into Peroxisomes,” which was published in the April 2021 issue of *Human Genetics*.

► **Geoffrey Rosenthal, MD, PhD**, Professor, Department of Pediatrics, was among the co-authors of “COVID and Myocarditis,” which was published in the *Sports Medicine Newsletter* on March 5, 2021.



Geoffrey Rosenthal, MD, PhD

► **Susan Sankova, MD**, Assistant Professor, and **Seema Deshpande, MBBS**, Assistant Professor, both from the Department of Anesthesiology, were among the co-authors of “Anesthesia in the Postgenomic Era: Commercial Polymorphism Screening in a Cardiac Surgery Patient,” which was published in *Anesthesia & Analgesia* on March 29, 2021.



Susan Sankova, MD

► **Khandra Sears, PhD**, Research Associate; **James Galen, PhD**, Professor; and **Sharon Tennant, PhD**, Associate Professor, all from the Department of Medicine, were among the co-authors of “Advances in the Development of *Salmonella*-Based Vaccine Strategies for Protection against *Salmonellosis* in Humans,” which was published in the *Journal of Applied Microbiology* on March 4, 2021.



James Galen, PhD

► **J. Marc Simard, MD, PhD**, Professor, corresponding author; **Orest Tsybalyuk, PhD**, Assistant Professor; **Volodymyr Gerzanich, PhD**, Associate Professor; **Svetlana Ivanova**, Research Assistant; and **Charles Sansur, MD**, Professor, all from the Department of Neurosurgery, were co-authors of “SURI, Newly Expressed in Astrocytes, Mediates Neuropathic Pain in a Mouse Model of Peripheral Nerve Injury,” which was published in *Molecular Pain* on March 31, 2021.



J. Marc Simard, MD, PhD

► **Adam Spanier, MD, PhD, MPH**, Associate Professor, Department of Pediatrics, and **Shannon Kirby, BS**, Medical Student, were co-authors of “Pediatric Primary Care Relationships and Non-Urgent Emergency Department Use in Children,” which was e-published in *Academic Pediatrics* on April 1, 2021.

► **Jesse Stokum, MD, PhD**, Resident, corresponding author; **Bosung Shim, PhD** Candidate; **Volodymyr Gerzanich, MD, PhD**, Associate Professor; and **J. Marc Simard, MD, PhD**, Professor, all from the Department of Neurosurgery; and **Weiliang Huang**; **Jesse Smith**, PhD Candidate; and **Maureen Kane, PhD**, Associate Professor, all from the School of Pharmacy, were co-authors of “A Large Portion of the Astrocyte Proteome is Dedicated to Perivascular Endfeet, including Critical Components of the Electron Transport Chain,” which was published in the *Journal of Cerebral Blood Flow and Metabolism* on April 4, 2021.



Adam Spanier, MD, PhD, MPH

► **Quincy Tran, MD, PhD, FACEP**, Assistant Professor, and **Wan-Tsu Chang, MD**, Assistant Professor, both from the Department of Emergency Medicine, were among the authors of “Triage of Patients with Intracerebral Hemorrhage to Comprehensive Versus



Quincy Tran, MD, PhD,
FACEP

Primary Stroke Centers,” which was published in the *Journal of Stroke and Cerebrovascular Diseases* on March 14, 2021.

► **Kai Sun, PhD**, Statistician; **Sina Mossahebi, PhD**, Assistant Professor; **Thomas Houser**, Associate Chief Dosimetrist; **Jenna Jatzak**, Dosimetrist; **Mark Zakhary, PhD**, Assistant Professor; **William Regine, MD**, the Isadore & Fannie Schneider Foxman Chair in Radiation Oncology; and **Mark Mishra, MD**, Associate Professor, all from the Department of Radiation Oncology, were among the authors of “Plan Quality Effects of Maximum Monitor Unit Constraints in Pencil Beam Scanning Proton Therapy for Central Nervous System and Skull Base Tumors,” which was e-published in *Radiotherapy and Oncology* on March 19, 2021.



Mark Zakhary, PhD



Mark Travassos, MD, MSc

► **Mark Travassos, MD, MSc**, Assistant Professor, Department of Pediatrics, was among the co-authors of “A Decline and Age Shift in Malaria Incidence in Rural Mali following Implementation of Seasonal Malaria Chemoprevention and Indoor Residual Spraying,” which was e-published in the *American Journal of Tropical Medicine and Hygiene* on March 1, 2021.

► **Sastry Vedam, MS, PhD**, Associate Professor, Department of Radiation Oncology, was among the authors of “Our Experience Leading a Large Medical Physics Practice during the COVID-19 Pandemic,” which was e-published in *Advances in Radiation Oncology* on April 2, 2021.



Rose Viscardi, MD

► **Rose Viscardi, MD**, Professor Emeritus; **Natalie Davis, MD, MMSc**, Associate Professor; and **Susan Dulkerian, MD**, Assistant Professor, all from the Department of Pediatrics; and **Michael Terrin, MD**, Professor, and **Laurence Magder, PhD**, Professor, both from the Department of Epidemiology & Public Health, were among the co-authors of “Randomized Trial of Azithromycin to Eradicate Ureaplasma Respiratory Colonization in Preterm Infants: 2-year Outcomes,” which was published in *Pediatric Research* on March 3, 2021.

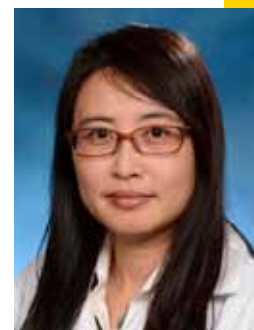
► **Melissa Vyfhuis, MD, PhD**, Visiting Assistant Professor, Department of Radiation Oncology; **Soren Bentzen, PhD, DMSc**, Professor, Department of Epidemiology & Public Health; **Kevin Cullen, MD**, Professor, Department of Medicine; and **Olga Goloubeva, PhD, MSc**, Professor, Department of Epidemiology & Public Health, were among the authors of “Adherence to Guideline-Concordant Care and Its Effect on Survival in Black Patients with Head and Neck Cancers: A SEER-Medicare Analysis,” which was e-published in the *Oncologist* on March 30, 2021.



Søren Bentzen, PhD,
DMSc

► **Charles White, MD**, Professor, and **Jeffrey Galvin, MD**, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were the authors of “Pulmonary Fibrosis: A Guide for the Perplexed,” which was published in the February 2021 issue of *Radiology: Cardiothoracic Imaging*. Separately, Dr. Galvin was among the co-authors of “A Comprehensive Assessment of Environmental Exposures and the Medical History Guides Multidisciplinary Discussion in Interstitial Lung Disease,” which was published in the April 2021 issue of *Respiratory Medicine*.

► **Lin Zou, MD, PhD**, Assistant Professor; **Brittney Williams, MD**, Assistant Professor; and **Wei Chao, MD, PhD, FAHA**, Anesthesiology Endowed Professor in Translational Research, all from the Department of Anesthesiology, were among the co-authors of “Targeting Toll-Like Receptors in Sepsis—From Bench to Clinical Trials,” which was published in *Antioxidants & Redox Signaling* on February 15, 2021.



Lin Zou, MD, PhD

Appointments

We applaud our colleagues on their recent appointments!



Steven Czinn, MD

► **Steven Czinn, MD**, the Drs. Rouben and Violet Jiji Endowed Professor of Pediatrics and Chair, Department of Pediatrics, was appointed to the Trauma Informed Care Task Force. The task force is charged with guiding the implementation of legislation and providing oversight, guidance, and consultation to help Baltimore become a trauma-responsive city. Members serve for four years. The task force was legislated through the Elijah Cummings Healing City Act, which was sponsored by council member Zeke Cohen and mandated the training of Baltimore's agency leadership and employees in trauma-informed practices. The task force will create a multi-year strategy to inform city policies and procedures to align with best practices of trauma-informed care.

► **Charles Hong, MD, PhD**, the Melvin Sharoky, MD Professor in Medicine, was elected to the Board of Directors at Sarnoff Foundation for Cardiovascular Research.

► **David Marcozzi, MD, MHS-CL, FACEP**, Professor, Department of Emergency Medicine, was appointed to the senior leadership team as Chief Clinical Officer (CCO) for the University of Maryland Medical Center on March 15, 2021. **Nicole Baehr, MHA, PMP**, previously Population Health Project Supervisor, Department of Emergency Medicine, will join him as Manager of Operations within the CCO office.



David Marcozzi, MD, MHS-CL, FACEP

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 interviewed on:

- *NBC News Now* on March 15, 2021, commenting on ongoing COVID-19 vaccination efforts
- *CNN* on March 28, 2021, commenting on results of a study finding that the Pfizer and Moderna COVID-19 vaccines protect pregnant and breastfeeding women and their newborns



Elizabeth Clayborne, MD, MA

► **Aloke Finn, MD**, Clinical Associate Professor, Department of Medicine, Division of Cardiovascular Medicine, discussed Microthrombi as a Major Cause of Cardiac Injury in COVID-19

with numerous outlets including *Medscape Medical News*, *Cardiac Interventions Today*, *CardioTube* and *TctMD*.

► **Charles Hong, MD, PhD**, the Melvin Sharoky, MD Professor in Medicine, discussed low baseline HDL cholesterol levels as a risk factor for COVID-19 with *Times of India* and *Hindustan Times*. He also discussed his recent election as Fellow of American Association for Advancement of Science (AAAS) with *Korea Daily, DC Edition*.



Kathleen Neuzil, MD, MPH, FIDSA

► **Kathleen Neuzil, MD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH Professor in Vaccinology and Director, Center for Vaccine Development and Global Health, was interviewed on *NPR In the Bubble Podcast* on the topic of COVID-19 Vaccines. <http://smarturl.it/inthebubble> on March 15, 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?

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