



# What's the Buzz?

JANUARY 2021 VOL.23 NO.1

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!*



James Borrelli, PhD

► **James Borrelli, PhD**, Postdoctoral Fellow, Department of Physical Therapy and Rehabilitation Science, gave a talk at Westmont University on November 4, 2020. His talk was entitled “The Functional Roles of the Legs and Arms in Recovering Balance and Protecting the Body from Injury.”

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, delivered an oral presentation at the 7th Annual Role of Cardiac Imaging in Female Patients Virtual Meeting entitled “Value of Cardiac PET in Infective Endocarditis,” held at the Deborah Heart and Lung Center & Cardiovascular Institute of Philadelphia on December 7, 2020.



Vasken Dilsizian, MD



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

► **Roy Film PT, MPT, DPT, OCS, FAAOMPT**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was the featured keynote speaker at a virtual conference held on December 1, 2020, by the University of Connecticut's DPT program where he presented “Connecticut's Opioid Crisis and How PT's Can Make a Difference.” Dr. Film also recently participated in the Maintenance of Specialist Certification Virtual Item-Writing Workshop, as part of continued service to the ABPTS Specialty Academy of Content Experts. The topic was “Key Points for Developing High-Quality Multiple-Choice Questions” in support of writing exam items for specialist certification examinations.

► **Sam Galvagno, DO, PhD**, Professor, Department of Anesthesiology and Program in Trauma, participated in an international COVID-19 webinar for the Society of Critical Care Medicine in September 2020. He spoke about prone positioning for COVID-19. Dr. Galvagno also was a speaker for the Endovascular Resuscitation and Trauma Management conferences on new developments in bleeding control, cardiac arrest, and



Samuel Galvagno, DO, PhD

shock. Dr. Galvagno's talk was entitled “ECMO May Have a Role in Trauma.”



Michael Grasso, MD, PhD

► **Michael Grasso, MD, PhD**, Assistant Professor, Department of Emergency Medicine, chaired the monthly meeting of the American Medical Informatics Association's Clinical Decision Support Working Group on the topic, “Enabling Digital Consultations with Recommender Algorithms” on December 8, 2020.

► **Isabel Jackson, PhD**, Associate Professor, Department of Radiation Oncology, presented at the annual meeting of the Radiation Research Society, which was held virtually on October 21, 2020. Her talk was entitled “Animal Models in Radiation Research: Limitations and Pitfalls.”



Isabel Jackson, PhD

► **Marcel Lanza, PhD**, Postdoctoral Fellow, Department of Physical Therapy and Rehabilitation Science, recently gave a talk at the Brazilian symposium, XV ENCIPEF/2020, entitled “Biomechanical, Muscle Physiology and Neuromuscular Factors Related to Falls in Older Adults.”



Chunyang Zhang, MD

► **Chunyang Zhang, MD**, Postdoctoral Fellow, and **Meizhen Huang, PhD**, Postdoctoral Fellow, both from the Department of Physical Therapy and Rehabilitation Science, co-presented at the joint European Stroke Organization–World Stroke Organization conference, which was held virtually, November 7–9, 2020. Their poster was entitled “Intensive Sensorimotor Rehabilitation of Acute Stroke Survivors with Severe Hemiplegia Using a Wearable Ankle Robot.”

► **Richard Zhao, PhD**, Professor and Division Head of Molecular Pathology, Department of Pathology, was invited to present a seminar at Virginia Commonwealth University on February 26, 2020. His presentation was entitled “From Fission Yeast to Mammalian Cells: An Integrated Approach to Study Human Viruses.”



Richard Zhao, PhD

## Honors & Awards

*Congratulations to the following who have received honors!*

► **Sam Galvagno, DO, PhD**, Professor, Department of Anesthesiology and Program in Trauma, was elected one of the first 10 inaugural fellows of the Aerospace Medicine Physician Association (AMPA). Fellowship is awarded based on extraordinary contributions to the association and the specialty of air and critical care transport medicine.



Erin Hager, PhD

► **Erin Hager, PhD**, Associate Professor, Department of Pediatrics and Department of Epidemiology & Public Health, was awarded the “Distinguished Advocate for Healthful Living” from SHAPE Maryland on November 14, 2020. SHAPE Maryland helps health and physical education educators promote wellness in K-12 schools.



## Grants & Contracts

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



Niel Constantine, PhD

► **Niel Constantine, PhD**, Professor of Pathology, Institute of Human Virology, has been awarded \$319,933 for one year from Family Health International 360 (FHI 360) for the USAID Global Health Supply Chain Quality Assurance Program. This award supports the continuation of Dr. Constantine's work to evaluate HIV, hepatitis, syphilis, 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.

► **Anthony Harris, MD, MPH**, Professor, Department of Epidemiology & Public Health, received a four-year \$1,193,601 Veterans Administration Merit award for his work entitled "Targeted Contact Precaution to Prevent MRSA Transmission."



Anthony Harris, MD, MPH



Surbhi Leekha, MBBS, MPH

► **Surbhi Leekha, MBBS, MPH**, Associate Professor, Department of Epidemiology & Public Health, received a one-year \$3,253,155 Maryland Department of Health contract for her work entitled "Epidemiology and Laboratory Capacity for Infectious Disease Cooperative (ELC) for Covid-Related Activities." This is a flow through award to the Maryland Department of Health from the Center for Disease Control.

► **Jacek Mamczarz, PhD**, Assistant Professor, Department of Epidemiology & Public Health, received a two-year \$424,875 National Institutes of Health (NIH) R21 exploratory grant for his work entitled "Effect of Prenatal Exposure to Acetaminophen During Critical Period of Brain Growth Spurt on Exploratory and Cognitive Behavior: Guinea Pig Model."



Jacek Mamczarz, PhD



Dean Mann, MD

► **Dean Mann, MD**, Professor, Department of Pathology, was awarded a five-year \$8,061,386 contract from the National Institutes of Health/National Cancer Institute (NCI/NIH) for "Collection and Evaluation of Human Tissues and Cells from Donors with an Epidemiologic Profile."

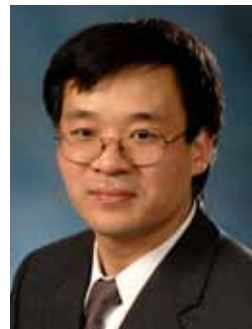
► **Lyndsay O'Hara, PhD, MPH**, Assistant Professor, Department of Epidemiology & Public Health, received a one-year \$123,181 PDI

Healthcare contract for her work entitled "Effectiveness of a Continuously Active Disinfection Wipe on Environmental Bioburden in the Intensive Care Unit: A Blinded, Randomized Controlled Study."

► **Hem Shukla PhD**, (PI), Assistant Professor, Department of Radiation Oncology, received a one-year \$140,204 grant from the William and Ella Owens Medical Research Foundation for "Targeted Hyperthermia Through Focused Ultrasound to Enhance Immunotherapy and Radiotherapy Effects in Treating Pancreatic Carcinoma."



Lyndsay O'Hara, PhD, MPH



Peixin Yang, PhD

► **Peixin Yang, PhD**, Professor, Department of Obstetrics, Gynecology & Reproductive Sciences, was awarded a four-year, \$2.41 million R01 grant entitled "Cellular Stress-Induced Gene Dysregulation in Heart Defects Formation of Diabetic Pregnancy." Separately, Dr. Yang, **E. Albert Reece, MD, PhD, MBA**, Professor; and **Wei-Bin Shen, PhD**, Assistant Professor; all from the Department of Obstetrics, Gynecology & Reproductive Sciences, were awarded a five-year, \$2,934,475 R01 grant entitled "Epitranscriptomic Alteration and Planar Cell Polarity Signaling in Diabetic Embryopathy."

## Appointments

*We applaud our colleagues on their recent appointments!*



Jason Falvey, PT, DPT, PhD

► **Jason Falvey, PT, DPT, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, will be serving on the National Quality Forum Patient Safety Committee. His nomination, by the American Physical Therapy Association, was recently accepted and he will work with physicians and other policy makers to provide PT input on measures often adopted by Medicare and Medicaid at a national level.

► **Rishi Kundi, MD**, Assistant Professor of Surgery, Program in Trauma was appointed to the Diversity, Equity and Inclusion Committee for the Society of Vascular Surgery.

► **Rhamin Ligon, MD**, Clinical Assistant Professor, Department of Emergency Medicine, was appointed Executive Director of the Maryland Emergency Medicine Network on December 1, 2020. Dr. Ligon assumed her new position on January 3, 2021.



Rishi Kundi, MD



Mukta Srivastava, MD, FACC

► **Mukta Srivastava, MD, FACC**, was accepted into the Women as One CLIMB program, which is an online training course for women interventionalists that is proctored by leaders in the field. Goals are to provide specialized training in four specific areas or tracks and to advance careers through networking and opportunities to engage in collaborative projects. (Dr. Srivastava's selected track is hemodynamic shock and support.)

► **Kathleen To, MD, FACS, FCCM**, Assistant Professor of Surgery, Program in Trauma, and Chief for the Section of Surgical Critical Care at the Baltimore VAMC, is completing her three-year term as Chair of the Surgery Section Patient Safety Committee for the Society of Critical Care Medicine (SCCM). She has recently received acceptance as a Fellow of the Academy of Critical Care Medicine. At the December 7, 2020 business meeting, it was announced that Dr. To will be moving up in leadership as the next Secretary-Treasurer for the Surgery Section of the Society of Critical Care Medicine.

## 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 for “Coronavirus Pandemic: New York City Public Schools Set to Reopen for In-Person Learning” on *CNN* November 29, 2020.



Elizabeth Clayborne, MD, MA

► **David Marcozzi, MD**, Associate Professor, Department of Emergency Medicine, was interviewed, featured, or mentioned in:

- “The Daily Dose: Maryland Confronts COVID-19” on *WYPR 88.1* on November 4, 2020.
- “Dr. Marcozzi on the Pandemic Taking a Personal Toll” on the *Baltimore Sun* website on November 5, 2020.
- “Gov. Hogan Urges Marylanders to ‘Wear the Damn Mask’ as State’s Coronavirus Cases Spike” in the *Washington Informer* on November 5, 2020.

- “Governor Wants More Enforcements of COVID, Warns against Travel, Parties” in the *Star Democrat* on November 5, 2020.
- “Hogan Advisor: ‘Let’s Make Sure We Support Each Other’” on *WBAL NewsRadio 1090* November 5, 2020.
- “Hogan Urges Marylanders to Remain Vigilant as COVID Cases Rise” on *MarylandReporter.com* on November 5, 2020.
- “Hogan: Maryland Enters Red Zone for Coronavirus Case Rates; Avoid Travel” on *WBAL TV 11* on November 5, 2020.
- “Impacts of the Pandemic Haven’t Just Affected Us Physically, They’ve Terrorized Our Mental Health” on *WMAR ABC 2 Baltimore* on November 5, 2020.
- “‘Just Wear the Damn Masks’: Gov. Hogan Issues Warning as Coronavirus Cases on Upswing” on *WBAL NewsRadio 1090* on November 5, 2020.
- “Maryland Governor Warns of Major Surge in Coronavirus Cases” on the *Associated Press Wire Service* on November 5, 2020.
- “MD Coronavirus ‘Warning Lights are Starting to Flash,’ Hogan Says” on *Patch* on November 5, 2020.
- “Positivity Rates Climbs to 4.21%” on *WBFF FOX 45* on November 5, 2020.
- “‘Wear the Damn Masks,’ Hogan Beseeches Marylanders” on *Maryland Matters* on November 5, 2020.



David Marcozzi, MD

- “‘Wear the Damn Masks’: Maryland Gov. Hogan Sounds Alarm as COVID-19 Metrics Rise, Stops Short of New Restrictions” in the *Baltimore Sun* on November 5, 2020.
- “Knowing the Virus’s Emotional Toll Firsthand, UMMS’ COVID-19 Incident Commander Urges Marylanders to Take Care of Themselves” in the *Baltimore Sun* on November 6, 2020.
- “Coronavirus Pandemic” on *WJZ 13* on November 6, 2020.
- “Warning to Marylanders” on *FOX 45 News* on November 6, 2020.
- “Hogan Warns: ‘Wear the Damn Masks’ ” on *WYPR 88.1FM* on November 6, 2020.
- “Coronavirus Cases Soar across Region as Public Health Experts Warn against Pandemic Fatigue” on *DCist* on November 9, 2020.
- “The Story Behind an Emotional Warning from One of Maryland’s Top Coronavirus Advisers” in the *Baltimore Sun* on November 9, 2020.
- “State Roundup: Pols See Biden Presidency as Benefiting Maryland, While Some Wonder If He Can Unify Country” on *MarylandReporter.com* on November 10, 2020.
- “‘The Trends Are Concerning’: Task Force Doctor Addresses Disturbing COVID Trends in MD” on *WJLA ABC 7* on November 10, 2020.
- “Coronavirus: The Path Forward” on *WBFF Fox 45 News at 10* on November 10, 2020.
- “Greater Baltimore Hospitals Ready for Another COVID Surge, Armed with Lessons from Spring” in the *Baltimore Business Journal* on November 10, 2020.
- “COVID Fatigue and How to Fight It” on *WBFF Fox 45 News* on November 12, 2020.
- On morning broadcast of *WBAL Newsradio* on November 12, 2020.
- “In His Own Words: Why a Maryland COVID Task Force Member Broke Down at a News Conference” on *WJLA ABC 7* on November 13, 2020.
- “Dr. David Marcozzi on Staying Safe around the Holidays” on the *Press Pool with Julie Mason* on November 18, 2020.
- “CDC Warns of 2 Risks This Thanksgiving 2020” on *WBAL TV NBC 11* on November 19, 2020.
- “‘A Much More Cohesive Approach’: Maryland Hospitals Gearing Up for New Wave of COVID-19 Patients” on *WJZ 13 CBS Baltimore* on December 2, 2020.

## New Faculty

*We welcome our new faculty!*

► **Carmel Bogle, MD, FAAP**, joined the Department of Pediatrics and the Division of Cardiology as an Assistant Professor on August 17, 2020. Dr. Bogle obtained her Medical Degree from Medicine Howard University College of Medicine in 2013. She was a Resident in Pediatrics at Lucile Packard Children’s Hospital at Stanford/Stanford University from 2013 to 2016. She completed a Fellowship in Pediatric Cardiology at Ann & Robert H Lurie Children’s Hospital/Northwestern University from 2016 to 2019. She followed this with a Fellowship in Heart failure/transplant (PM: Blume) Boston Children’s Hospital/Harvard University from 2019 to 2020.

► **Nisha Divakaruni, MD**, joined the Department of Pediatrics and the General Pediatrics Division as an Assistant Professor on July 6, 2020. Dr. Divakaruni obtained her Medical Degree from University of Maryland School of Medicine in 2016. She was a Resident in Pediatrics at University of Maryland School of Medicine from 2016 to 2020.

► **Mary Claire Perry, CRNP**, joined the Department of Pediatrics Division of Pediatric Pulmonology/Allergy and Sleep Medicine on November 9, 2020. Perry obtained her Pediatric Nurse Practitioner’s License in 2020 after attending The Catholic University of America. She worked as a NICU Registered Nurse II at Children’s National Medical Center in Washington, DC from 2014 to 2020.

► **Vandana Racherla, MD**, joined the Department of Pediatrics and the General Pediatrics Division as an Assistant Professor on July 6, 2020. Dr. Racherla obtained her Medical Degree from Drexel University College of Medicine, Philadelphia, PA in 2016. She did an Internship and Residency in Pediatrics at the University of Maryland School of Medicine from 2016 to 2020.



# Publications

*Hats off to those who have been published!*

► **Michael Abraham, MD**, Adjunct Assistant Professor, Department of Emergency Medicine, was guest co-editor of the February 2021 issue of *Emergency Medicine Clinics of North America*, which focused on Neurologic Emergencies, and he co-authored the preface “Neurologic Emergencies: 2020 Update,” which was published on November 4, 2020.

► **Sally Adebamowo, MBBS, MSc, ScD**, Assistant Professor, Department of Epidemiology & Public Health, co-authored “High Depth African Genomes Inform Human Migration and Health,” which was published in *Nature* on October 28, 2020.



Jennifer Albrecht, PhD

► **Jennifer Albrecht, PhD**, Associate Professor, Department of Epidemiology & Public Health, co-authored “Healthcare Utilization Following Traumatic Brain Injury in a Large National Sample,” which was published in the *Journal of Head Trauma Rehabilitation* on November 13, 2020.

► **Omer Awan, MD, MPH**, Associate Professor; **Charles Resnik, MD**, Professor; and **Rydhwana Hossain, MD**, Assistant Professor; all from the Department of Diagnostic Radiology and Nuclear



Charles Resnik, MD

Medicine, were among the co-authors of “Potential Impact of a Pass or Fail United States Medical Licensing Exam Step 1 Scoring System on Radiology Residency Applications,” which was published in *Academic Radiology* on November 5, 2020. Separately, Dr. Awan was first author of “Adopting the Mamba Mentality in Radiology,” also published in the November 2020 issue of *Academic Radiology*, and last author of “A Radiology Trainee’s Guide to Unique Opportunities Offered by the Radiological Society of North America,” which was published in the November-December 2020 issue of *Radiographics*. Dr. Awan was also last author of “To Engage or Not to Engage: A New Era for Medical Student Education in Radiology,” which was published in that same issue of *Radiographics*.



Maureen Black, PhD

► **Maureen Black, PhD**, Professor, Department of Pediatrics, was a co-author of “Severe Housing Insecurity During Pregnancy: Association with Adverse Birth and Infant Outcomes,” which was published in the *International Journal of Environmental Research and Public Health* on November 21, 2020.

► **James Borrelli, PhD**, Postdoctoral Fellow; **Vicki Gray, MPT, PhD**, Assistant Professor; and **Mark Rogers, PhD, PT**, Adjunct Professor; all from the Department of Physical Therapy



James Borrelli, PhD

and Rehabilitation Science, were co-authors of “Untangling Biomechanical Differences in Perturbation-Induced Stepping Strategies for Lateral Balance Stability in Older Individuals,” which was published in the *Journal of Biomechanics*.



Brandon Bruns, MD

► **Brandon Bruns, MD**, Assistant Professor of Surgery, Program in Trauma, and **Brittany Aicher, MD**, Fourth Year Resident, Department of Surgery, are among the authors of “Colorectal Resection in Emergency General Surgery: An EAST Multicenter Trial,” which was published in the December 2020 issue of the *Journal of Trauma Acute Care Surgery*.

► **Linda Chang, MD, MS**, Professor, Department of Diagnostic Radiology and Nuclear Medicine,



Linda Chang, MD, MS

was last author of “Unraveling NeuroHIV in the Presence of Substance Use Disorders,” which was published in the December 2020 issue of the *Journal of Neuroimmune Pharmacology*.



Rong Chen, PhD

► **Rong Chen, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Xiaoai Jiedu Recipe Suppresses Hepatocellular Carcinogenesis Through the miR-200b-3p/Notch1 Axis,” which was published in the November 2020 issue of *Cancer Management and Research*.

► **Wengen Chen, MD, PhD**, Professor, and **Vasken Dilsizian, MD**, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were authors of

“Diagnosis and Image-Guided Therapy of Cardiac Left Ventricular Assist Device Infections,” which was published in the December 2020 issue of *Seminars of Nuclear Medicine*.

► **Derik Davis, MD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Physical Performance Measures in Older Women with Urinary Incontinence: Pelvic Floor Disorder or Geriatric Syndrome?,” which was published in *International Urogynecology Journal* on November 17, 2020.



Derik Davis, MD

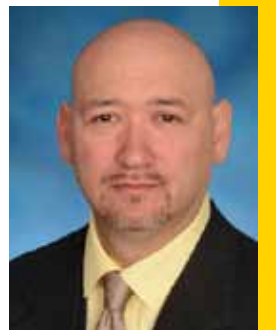


Timm-Michael Dickfeld, MD, PhD, FACC, FHRS

► **Timm-Michael Dickfeld, MD, PhD, FACC, FHRS**, Professor, Department of Medicine, and **Rama Vunnam, MD**, Postdoctoral Fellow, were co-authors of “Chronic Ablation Lesions on CMR: Is Black a Red Herring?,” which was published in *JACC: Cardiovascular Imaging* on November 25, 2020.

► **Roy Film, PT, MPT, DPT, OCS, FAAOMPT**, Assistant Professor, Department of Physical Therapy and

Rehabilitation Science, was the sole author on the Viewpoint published in the December 2020 issue of the *Journal of Orthopaedic & Sports Physical Therapy* entitled: “Chasing the Dragon: Driving the Paradigm Shift to Move Beyond Opioids.” Under the mentorship of **Jennifer Albrecht, PhD**, Associate Professor, Department of Epidemiology & Public Health, Film also authored “Chasing the Dragon: Driving the Paradigm Shift to Move Beyond Opioids,” which was published in the December 2020 issue of *Journal of Orthopaedic & Sports Physical Therapy*.



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



Jeffrey Galvin, MD

► **Jeffrey Galvin, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Complex Obstructive Lung Disease—A Diagnostic and Management Conundrum,” which was published in the November 2020 issue of *Respiratory Medicine Case Reports*.

► **Stephen Gottlieb, MD**, authored “Ahmed T. Perfection is the Enemy of Good: Consider Everything When Prescribing Sacubitril/Valsartan,” which was published in *JACC* on September 1, 2020.

► **Vicki Gray, MPT, PhD**, Assistant Professor; **James Borrelli, PhD**, Postdoctoral Fellow; and **Mark Rogers, PhD, PT**, Adjunct Professor; all from the Department of Physical Therapy and Rehabilitation Science, are co-authors of “Biomechanical Control of Paretic Lower Limb During Imposed Weight Transfer in Individuals



Vicki Gray, MPT, PhD



Post-Stroke,” which was published in the *Journal of NeuroEngineering and Rehabilitation*.

► **Rydhwana Hossain, MD**, Assistant Professor; **Rong Chen, PhD**, Associate 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 “Preprocedure CT Findings of Right Heart Failure as a Predictor of Mortality After Transcatheter Aortic Valve Replacement,” which was published in the November 2020 issue of *AJR American Journal of Roentgenology*. Separately, Dr. White was last author of “High Prevalence of a Linear Valve-like Structure on CT at the Pulmonary Artery Terminus of Patent Ductus Arteriosus in Adult Patients, Mimicking Endarteritis,” which was published in *Surgical and Radiologic Anatomy* on November 21, 2020.



Charles White, MD

► **Danya Khoujah, MBBS**, Adjunct Assistant Professor, and **Megan Cobb, MD, DPT**, Adjunct Instructor, both from the Department of Emergency Medicine, were sole authors of “Neurologic Emergencies at the Extremes of Age,” which was published in *Emergency Medicine Clinics of North America* on November 17, 2020.

► **Dongwon Kim, PhD**, Postdoctoral Fellow, Department of Physical Therapy and Rehabilitation Science, was a co-author of “Robust Control of a System with a Pneumatic Spring,” which was published in the *Journal of Franklin Institute*.

► **Brent King, MD, MMM**, Professor, Department of Emergency Medicine, was among the authors of “Is E-Learning Education Effective in Increasing the Ability of Non-Physician Medical Flight Crew Members to Accurately Interpret Point-of-Care Lung and Cardiac Ultrasound Exams?,” which was accepted for publication in *Air Medical Journal* in November 2020.

► **Marcel Lanza, PhD**, Postdoctoral Fellow; **Vicki Gray, MPT, PhD**, Assistant Professor; and **Odessa Addison, DPT, PhD**, Assistant Professor; all from the Department of Physical Therapy and Rehabilitation Science, were co-authors of “Intramuscular Fat Influences Neuromuscular Activation of the Gluteus Medius in Older Adults,” which was published in *Frontiers in Physiology*.



Odessa Addison, DPT, PhD

► **Amal Mattu, MD**, Professor, Department of Emergency Medicine, in his role as consulting editor of the journal, was sole author of the foreword to the February 2021 issue of *Emergency Medicine Clinics of North America*, which focused on Neurologic Emergencies.

► **Robert Miller, MD**, Professor, Department of Radiation Oncology, was a co-author of “The Year 2020 in Review at ASTRO’s Advances,” which was e-published in *Advances in Radiation Oncology* on December 3, 2020.



Robert Miller, MD

► **Mark Mishra, MD**, Associate Professor, Department of Radiation Oncology, was among the authors of “Treatment Interruptions Affect Biochemical Failure Rates in Prostate Cancer Patients Treated with Proton Beam Therapy: Report from the Multi-Institutional Proton Collaborative Group Registry,” which was published in *Clinical and Translational Radiation Oncology* on October 22, 2020.

► **Robert Morales, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear

Medicine, was among the co-authors of “Improving Radiology Trainees’ Perception Using Where’s Waldo?,” which was e-published in *Academic Radiology* on November 7, 2020.

► **Sina Mossahebi, PhD**, Assistant Professor; **Paul Maggi, PhD**, Postdoctoral Fellow; and **Jerimy Polf, PhD**, Associate Professor; all from the Department of Radiation Oncology, were among the authors of “Initial Validation of Proton Dose Calculations on SPR Images from DECT in Treatment Planning System,” which was published in the *International Journal of Particle Therapy* on November 23, 2020. Separately, Dr. Mossahebi, **Amit Sawant, PhD**, Associate Professor; **Pranshu Mohindra, MD**, Associate Professor; and **Giovanni Lasio, PhD**, Associate Professor; all from the Department of Radiation Oncology, were among the authors of “Validation of a CT-Based Motion Model with In-Situ Fluoroscopy for Lung Surface Deformation Estimation,” which was e-published in *Physics in Medicine and Biology* on November 18, 2020.



Jerimy Polf, PhD

► **Michael Mulligan, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the last author of “Incidental Long Bone Cartilage Lesions: Is Any Further Imaging Workup Needed?,” which was e-published in the November 2020 issue of *Skeletal Radiology*.

► **Jordan Parker, MD**, Resident; **Sharleen Yuan, MD, PhD, MA**, Resident; **Megan Donohue, MD**, Resident; **Robert Brown, MD**, Resident; **Mark Sutherland, MD**, Assistant Professor; **Hannah Goldberg, MD**, Resident; and **Aki Honasoge, MD**, Resident, Department of Emergency Medicine, were authors of “Do Adjunctive Therapies beyond Infection Control and Appropriate Fluid Resuscitation Change Outcomes in Sepsis and Septic Shock?,” which was published in the September/October 2020 issue of the *American Academy of Emergency Medicine’s Common Sense*.

► **Doug Pizac**, Senior Research Analyst; **Douglas Savin, PT, MPT, PhD**, Assistant Professor; **Vincent Conroy, PT, DScPT**, Assistant Professor; and **Mark Rogers, PhD, PT**, Adjunct Professor; all from the Department of Physical Therapy and Rehabilitation Science, were co-authors of “Neurocognitive Measures Predict Voluntary Stepping Performance in Older Adults Post-Hip Fracture,” which was published in *Clinical Biomechanics*.



Douglas Savin, PT, MPT, PhD

► **Zaker Rana, MD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Biochemical Control and Toxicity Outcomes of SBRT vs LDR Brachytherapy in the Treatment of Low and Intermediate Risk Prostate Cancer,” which was e-published in the *International Journal of Radiation Oncology, Biology, Physics* on November 7, 2020. Dr. Rana was also among the authors of “Stereotactic Body Radiotherapy as Primary Treatment for Elderly and Medically Inoperable Patients with Head and Neck Cancer,” which was published in the October 2020 issue of *Head & Neck*.

► **Rebecca Rubenstein, MD**, Resident; **Leen Alblaihed, MBBS, MHA**, Adjunct Instructor; **Zachary Dezman, MD, MS, MS**, Assistant Professor; and **Laura Bontempo, MD, MEd**, Associate Professor; all from the Department of Emergency Medicine, were authors of “40-Year-Old Male with a Headache and Altered Mental Status,” which was published in *Clinical Practice and Cases in Emergency Medicine* on October 20, 2020.



Amit Sawant, PhD

► **Amit Sawant, PhD**, Associate Professor, Department of Radiation Oncology, was among the authors of “AAPM Task Group 264: The Safe Clinical Implementation of MLC Tracking in Radiotherapy,” which was e-published in *Medical Physics* on December 1, 2020.

► **Thomas Scalea, MD**, the Honorable Francis X. Kelly Distinguished Professor of Trauma Surgery; **William Teeter, MD**, Assistant Professor, Department of



Amal Mattu, MD



Mark Mishra, MD





Thomas Scalea, MD

Emergency Medicine; **Samuel Galvagno, MD**, Professor, Department of Anesthesiology; **Sarah Murthi, MD**, Associate Professor, Department of Surgery; **Daniel Haase, MD**, Assistant Professor, Department of Emergency Medicine, Program in Trauma; and **Fu (Peter) Hu, PhD**, Associate Professor, Department of Anesthesiology, were co-authors on the following publications:

- Spiegel R, **Teeter W**, Sullivan S, Tupchong K, Mohammed N, Sutherland M, Leibner E, Rola P, **Galvagno S**, **Murthi S** co-published "The Use of Venous Doppler to Predict Adverse Kidney Events in a General ICU Cohort." *Crit Care*. 2020 Oct 19;24(1):615.
- **Teeter W**, **Haase D**. "Updates in Traumatic Cardiac Arrest." *Emerg Med Clin North Am*. 2020 Nov;38(4):891-901.
- Aligholizadeh, E, **Teeter W**, Patel R, **Hu P**, Fatima S, Yang S, Ramani G, Safadi S, Olivieri P, **Scalea T**, Murthi S. *Cardiovasc Ultrasound*. 2020 Aug 20;18(1):37.

► **Marc Simard, MD, PhD**, the Dr. Bizhan Aarabi Professor in Neurotrauma, Department of Neurosurgery, authored "Low-Dose Intravenous Heparin Infusion after Aneurysmal Subarachnoid Hemorrhage is Associated with Decreased Risk of Delayed Neurological Deficit and Cerebral Infarction," which was published in *Neurosurgery* on December 2, 2020. Subsequently, R. Loch Macdonald, MD, PhD, Clinical Professor, Department of Neurological Surgery at University of California San Francisco-Fresno, followed up the study with positive reviews and authored "Commentary: Low-Dose Intravenous Heparin Infusion after Aneurysmal Subarachnoid Hemorrhage is Associated with Decreased Risk of Delayed Neurological Deficit and Cerebral Infarction," which was published in *Neurosurgery* on December 8, 2020.



Marc Simard, MD, PhD

► **Lucas Sjeklocha, MD**, Assistant Instructor, and **David Gatz, MD**, Assistant Professor, Department of Emergency Medicine, were the authors of "Traumatic Injuries to the Spinal Cord and Peripheral Nervous System," which was published in *Emergency Medicine Clinics of North America* on November 17, 2020.

► **Anthony Slaton, BS**, Medical Student; **Alysse Kowalski, PhD**, Postdoctoral Fellow; **Amy Zemanick, BA**, Graduate Student, **Ann Pulling Kuhn, PhD**, Postdoctoral Fellow; **Erin Hager, PhD**, Associate Professor; and **Maureen Black, PhD**, Professor; all from the Department of Pediatrics, were co-authors of "Motor Competence and Attainment of Global Physical Activity Guidelines Among a Statewide Sample of Preschoolers," which was published in the *International Journal of Environmental Research and Public Health* on November 18, 2020.



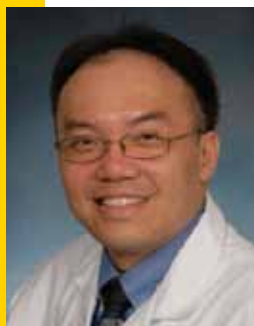
Erin Hager, PhD

► **Shiyu Tang, PhD**, Postdoctoral Fellow; **Li Jiang, PhD**, Research Associate; and **Su Xu, PhD**, Professor; all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of "Choline Plus Working Memory Training Improves Prenatal Alcohol-Induced Deficits in Cognitive Flexibility and Functional Connectivity in Adulthood in Rats," which was published in *Nutrients* on November 14, 2020.



Su Xu, PhD

► **Quincy Tran, MD**, Assistant Professor (first author), and **Diane Kuhn, MD, PhD**, Assistant Instructor, both from the Department of Emergency Medicine, were among the authors of "Emergency Blood Pressure Variability and Spontaneous Intracranial Hemorrhage



Quincy Tran, MD

Patients' Outcomes," which was accepted for publication in *Western Journal of Emergency Medicine* in July 2020.

► **Angela Trude, PhD**, Postdoctoral Fellow, and **Maureen Black, PhD**, Professor, both from the Department of Pediatrics, were co-authors of "Bedtime Consistency and Weight Gain among Toddlers in Low-Income Families," which was published in the *Annals of Behavioral Medicine* on November 16, 2020.



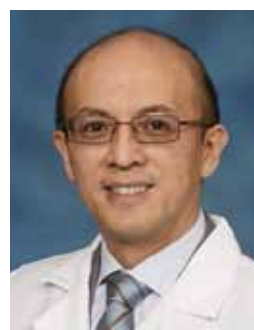
Maureen Black, PhD

► **Vassiliy Tsytsarev, PhD**, General Associate, and **Reha Erzurumlu, PhD**, Professor, both from the Department of Anatomy and Neurobiology, were among the co-authors of "In Vivo Voltage-Sensitive Dye Imaging of Mouse Cortical Activity with Mesoscopic Optical Tomography," which was e-published in *Neurophotonics* on December 2, 2020. Dr. Tsytsarev was co-lead author and Dr. Erzurumlu was the second to last author.



Reha Erzurumlu, PhD

► **Sastry Vedam, PhD**, Associate Professor, Department of Radiation Oncology, was among the authors of "Automatic Contouring System for Cervical Cancer Using Convolutional Neural Networks," which was published in the November 2020 issue of *Medical Physics*.



Ze Wang, PhD

► **Ze Wang, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was last author of "Accelerating GluCEST Imaging Using Deep Learning for B0 correction," which was published in the October 2020 issue of *Magnetic Resonance in Medicine*. In addition, Dr. Wang, along with **Lei Zhang, PhD**, Research Associate, Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of "Denoising Arterial Spin Labeling Perfusion MRI with Deep Machine Learning," which was published in the May 2020 issue of *Magnetic Resonance Imaging*.



Michael Winters, MD

► **Michael Winters, MD**, Professor, Department of Emergency Medicine, was among the discussants in the twice-monthly podcast, Critical Care Perspectives in Emergency Medicine, episode "2020 AHA Guidelines for Cardiopulmonary Resuscitation," published November 23, 2020.

► **Jade Wong-You-Cheong, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of "ACR Appropriateness Criteria® Indeterminate Renal Mass," which was published in the November 2020 issue of the *Journal of the American College of Radiology*.

► **Richard Zhao, PhD**, Professor, Department of Pathology, authored "HIV-1 Vpr-induced Proinflammatory Response and Apoptosis are Mediated Through the Sur1-Trpm4 Channel in Astrocytes" which was published in *mBio* on December 8, 2020. **Ge Li**, a former Research Specialist and **Jiantao Zhang, PhD**, Research Associate from the Zhao Lab were co-authors. This research was in collaboration with **Volodymyr Gerzanich, MD, PhD**, Associate Professor, and **Marc Simard, MD, PhD**, the Dr. Bizhan Aarabi Professor in Neurotrauma, (co-corresponding author), both from the Department of Neurosurgery. Dr. Zhao also authored "A Novel Class of Plant and Animal Viral Proteins That Disrupt Mitosis by Directly Interrupting the Mitotic Entry Switch Wee1-Cdc25-Cdk1," which was published in *Science Advances* on May 13, 2020. This research was in collaboration with the laboratory of Professor Daowen Wang, PhD (co-corresponding author), Chinese Academy of Sciences, Beijing, China.



Richard Zhao, PhD

HOW TO SUBMIT INFORMATION TO THE **Buzz**

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

OR

You may submit your *Buzz* items online:  
<https://umbforms.wufoo.com/forms/z150ub5x10bz167/>

Research Communications Network

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

DEPARTMENTS

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

INSTITUTES

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

RESEARCH CENTERS

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

RESEARCH PROGRAMS

- **Program in Comparative Medicine:** Deborah Sanchez | [dsanchez@umaryland.edu](mailto:dsanchez@umaryland.edu)

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

ACADEMIC PROGRAMS

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

ADMINISTRATIVE UNITS

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