



## SELF-REPORTED NEWS from the SCHOOL OF MEDICINE COMMUNITY

### Events, Lectures & Workshops

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



Idris Amin, MD

► **Idris Amin, MD**, Assistant Professor, Department of Orthopaedics, presented at the Annual Conference of the American Academy of Physiatry in Puerto Rico in February 2019. The title of his talk was “Guiding Interventions for Spasticity: Ultrasound.”

► **Dayanand Bagdure, MBBS, MPH, FAAP**, Assistant Professor, along with his co-authors **Cortney Foster, DO**, Assistant Professor; **Nan Garber, MD**, Assistant Professor; **Adrian Holloway, MD**, Assistant Professor; **Jason Custer, MD**, Associate Professor; **Adnan Bhutta, MBBS, FAAP, FCCM**, Professor, all from the Department of Pediatrics, were invited to present “The Burden of Gun Violence in Pediatric Intensive Care Units in United States” at the 2019 Annual Congress of the Society of Critical Care Medicine, held in San Diego, Calif., in February. Drs. Bagdure, Holloway, Foster, and Custer also presented “Use of BabyBIG for Infantile Botulism in the PICU in the United States,” at the conference.



Dayanand Bagdure, MBBS, MPH, FAAP

College of Surgeons, the ACS Committee on Trauma, the Defense Health Agency, the DoD, the Hartford Consensus, and other major entities. In addition, Dr. Park, **Thomas Scalea, MD**, the Honorable Francis X. Kelly Distinguished Professor of Trauma Surgery and Director of the Program in Trauma at the School of Medicine, and Physician-in-Chief at the R Adams Cowley Shock Trauma Center, along with Shock Trauma Center instructors, taught Stop the Bleed to the US Marshalls at the Federal Courthouse in Downtown Baltimore. As of February 2019, Shock Trauma Center instructors have conducted 26 training sessions and trained nearly 700 students.

► **Roger Stone, MD, MS**, Clinical Assistant Professor, Department of Emergency Medicine, along with his colleague Alan Butsch, MA, NRP, Battalion Chief of the Montgomery County Fire and Rescue Services (MCFRS), presented “Alternative Transport Destinations for Your Lowest Acuity Patients” at EMS Today 2019 in February. EMS Today is an annual educational conference sponsored by the *Journal of Emergency Medical Services (JEMS)*, which attracts more nearly 5000 emergency medical services personnel from around the world.



Isabel Jackson, PhD

► **Isabel Jackson, PhD**, Associate Professor, Department of Radiation Oncology, gave a presentation on “Hematological Effects of Non-Homogenous Ionizing Radiation Exposure in a Non-Human Primate Model” to a working group in the Center for Devices and Radiological Health at the U.S. Food and Drug Administration on February 28 in White Oak, Md. Separately, Dr. Jackson presented “Mouse Models of Radiation Pneumonitis/Fibrosis for Medical Countermeasure Development in the Context of the FDA Animal Rule” at the Trans-Agency Workshop on the Pathophysiology of Radiation-Induced Lung Injury, sponsored by the National Institute of Allergy and Infectious Diseases (NIAID) on March 20 in Rockville, Md. Dr. Jackson also spoke on “Radiation/Nuclear Attacks or Accidents and Their Aftermath” at a Science and Entertainment Exchange Event sponsored by the National Academies of Sciences on March 26 in New York, N.Y. This conference brings together entertainment and media writers, directors, and producers to meet with scientists.

► **Judy LaKind, PhD**, Adjunct Associate Professor, Department of Epidemiology & Public Health, presented the webinar, “Evidence-Based Environmental Decisions: Bridging the Gap Between Epidemiology and Risk Assessment,” on February 13 for the Society of Toxicology RASS/ISES. In addition, Dr. LaKind was invited to present at the Honors College of Florida Atlantic University on March 20. Her presentation was titled “Conflicts of Interest and Environmental Research.”



Judy LaKind, PhD

► **Habeeba Park, MD**, Assistant Professor, Department of Surgery, was a member of the National Stop the Bleed Research Consensus Conference in Boston, Mass., in February, representing the Shock Trauma Center, along with national collaborators such as the American



Habeeba Park, MD



Vicki Gray, MPT, PhD

► The University of Maryland Center for Research on Aging held a symposium on March 4. Poster presentations from the Department of Physical Therapy and Rehabilitation Science included: **James Borrelli, PhD**, Postdoctoral Fellow, who was a co-author on “Center of Mass Control Differentiates Single and Multistep Lateral Protective Stepping Reactions in Older Adults;” and **Vicki Gray, MPT, PhD**, Assistant Professor, who was a co-author on “Asymptomatic Carotid Stenosis is Associated with Mobility and Cognitive Dysfunction and Heightened Fall Rates in Older Adults.”

► Department of Anesthesiology-sponsored research interns in the lab of **Gary Fiskum, PhD**, the M. Jane Matjasko Professor for Research, Department of Anesthesiology, won top prizes at the seventh Annual Baltimore City Community College (BCCC) Symposium on November 8, 2018. This symposium was a part of the Maryland STEM Festival and included an audience of over 500 students from BCCC and several Baltimore city schools. External judges chose the best posters from among 50+ entries. The research interns earned the top awards in the competitive poster presentation.



• **Himsheela Karki**, a native of Kathmandu, Nepal, was awarded the President’s Award for the Best Overall Science Project, which focused on strategic use of oxygen following resuscitation from cardiac arrest. Karki graduated with her AAS in December 2018 and is currently completing pre-requisite coursework for pharmacy school

• **Brianna Holmes**, a life-long Baltimorean, won the Vice-President’s Award for Best External Research Project, which concentrated on effects of hypobaric on traumatic brain injury. Holmes continues working in the Fiskum lab and plans to pursue a BS degree on a pre-medicine track.



# Publications

*Hats off to those who have been published!*



Ngozi Akabudike, MD

► **Ngozi Akabudike, MD**, Assistant Professor, Department of Orthopaedics, was the senior author of “Base of the Thumb Fractures” and “Thumb Collateral Ligament Injury,” which were published in *Orthopaedic Hand Trauma* on January 25, 2019.

► **Nabeel Akhter, MBBS**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was last author of “Radioembolization with Yttrium-90 Microspheres for the Treatment of Liver Metastases of Pancreatic Adenocarcinoma: A Multicenter Analysis,” which was published in the *Journal of Vascular and Interventional Radiology* on March 30, 2019.



Nabeel Akhter, MBBS



Sania Amr, MD, MS

► **Sania Amr, MD, MS**, Professor Emerita; **J. Beverly Wolpert, PhD, MS**, Visiting Assistant Professor; and **Diane Marie St. George, PhD**, Associate Professor, all from the Department of Epidemiology & Public Health, were among the co-authors of “Body Mass Index Modifies Bladder Cancer Risk Associated with Low Estrogen Exposure Among Egyptian Women After Menopause,” which was published in *Cancer Causes Control* on January 21, 2019.

► **Dayanand Bagdure, MBBS, MPH, FAAP**, Assistant Professor, Department of Pediatrics, was among the co-authors of “Short Term Adverse Outcomes Associated with Hypoglycemia in Critically Ill Children,” which was published in *Critical Care Medicine* on February 14, 2019.

► **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, and **Doris Yimgang, MPH**, Doctoral Candidate, Department of Epidemiology & Public Health, authored “Mechanisms Linking Height to Early Child Development Among Infants and Preschoolers in Rural India,” which was published in the February 2019 issue of *Developmental Science*.



Maureen Black, PhD

► **Thomas Blanchard, PhD**, Associate Professor, and **Steven Czinn, MD**, Professor, both from the Department of Pediatrics; **Andrea Bafford, MD**, Assistant Professor, Department of Surgery; and **Antonino Passaniti, PhD**, Professor, Department of Pathology, were among the co-authors on “Identification of Cross Talk Between Foxm1 and RASSF1A as a Therapeutic Target of Colon Cancer,” which was published in the February 2019 issue of *Cancers*.



Mordecai Blaustein, MD

► **Mordecai Blaustein, MD**, Professor, Department of Physiology, was a co-author of “Evolution of Our Understanding of Cell Volume Regulation by the Pump-Leak Mechanism,” which was published in the *Journal of General Physiology* on February 19, 2019.

► **Mary Beth Bollinger, DO**, Professor, Department of Pediatrics, co-authored “Children with Poorly Controlled Asthma: Randomized Controlled Trial of a Home-Based Environmental Control Intervention,” which was published in *Pediatric Pulmonology* on January 9, 2019.



Mary Beth Bollinger, DO

► **Michael Bond, MD**, Associate Professor, Department of Emergency Medicine, was among the authors of “Standardized Video Interviews Do Not Correlate to United States Medical Licensing Examination Step 1 and Step 2 Scores,” which was published in the January 2019 issue of *Western Journal of Emergency Medicine*.



Michael Bond, MD

► **Laura Bontempo, MD, MEd**, Assistant Professor, Department of Emergency Medicine, and **Nubia Seyoum, MD**, Attending Physician at the UM Upper Chesapeake Medical Center, authored “Dyspnea in a Patient with Melanoma,” which was published in the January 2019 issue of *Clinical Practice and Cases in Emergency Medicine*.

► **Svetlana Chapoval, MD, PhD**, Visiting Assistant Professor, and **Achsah Keegan, PhD**, Professor, both from Department of Microbiology and Immunology, Center for Vascular and Inflammatory Diseases; and **Amit Golding, MD**, Assistant Professor, Department of Medicine, co-authored “Semaphorin 4A Stabilizes Human Regulatory T Cell Phenotype via Plexin B1,” which was published in *ImmunoHorizons* on February 1, 2019.



Svetlana Chapoval, MD, PhD

► **Robert Creath, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was a co-author on “Perturbation-Evoked Lateral Steps in Older Adults: Why Take Two Steps When One Will Do?,” which was published in *Clinical Biomechanics* on February 23, 2019. Dr. Creath was also a co-author on “Impaired Posture, Movement Preparation, and Execution During Both Paretic and Nonparetic Reaching Following Stroke,” which was published in the *Journal of Neurophysiology* on April 4, 2019.

► **Barry Daly, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Joint European Society of Paediatric Radiology (ESPR) and International Society for Forensic Radiology and Imaging (ISFRI) Guidelines: Paediatric Postmortem Computed Tomography Imaging Protocol,” which was published in *Pediatric Radiology* on February 28, 2019.

► **Timm Dickfeld, MD, PhD**, Professor; **Alejandro Jimenez, MD**, Assistant Professor; **Vincent See, MD**, Assistant Professor; **Stephen Shorofsky, MD, PhD**, Professor, all from the Department of Medicine; **Vasken Dilsizian, MD**, Professor; **Wengen Chen, MD**, Associate Professor; **Mark Smith, PhD**, Associate Professor; **Jean Jeudy, MD**, Associate Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were all among the co-authors on “Ventricular Tachycardia (VT) Substrate Characteristics: Insights from Multimodality Structural and Functional Imaging of the VT Substrate Using Cardiac MRI Scar, 123I-Metaiodobenzylguanidine SPECT Innervation, and Bipolar Voltage,” which was published in the January 2019 issue of the *Journal of Nuclear Medicine*. Separately, Dr. Dickfeld was among the co-authors of “ACC/AATS/AHA/ASE/ASNC/HRS/SCAI/SCCT/SCMR/STS 2019 Appropriate Use Criteria for Multimodality Imaging in the Assessment of Cardiac Structure and Function in Nonvalvular Heart Disease: A Report of the American College of Cardiology Appropriate Use Criteria Task Force, American Association for Thoracic Surgery, American Heart Association, American Society of Echocardiography, American Society of Nuclear Cardiology, Heart Rhythm Society, Society for Cardiovascular Angiography and Interventions, Society of Cardiovascular Computed Tomography, Society for Cardiovascular Magnetic Resonance, and the Society of Thoracic Surgeons,” which was published in the *Journal of the American College of Cardiology* on February 5, 2019.



Vincent See, MD



Cara Felter, PT, DPT, MPH

► **Cara Felter, PT, DPT, MPH**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was among the co-authors of “Interdisciplinary, Intensive, Activity-Based Treatment for Uterine Spinal Cord Infarct: A Case Report,” which was published in the Winter 2019 issue of *Topics in Spinal Cord Injury*.

► **Claire Fraser, PhD**, the Dean’s Endowed Professor in the School of Medicine, Professor of Medicine, Microbiology and Immunology, and Director, Institute for Genome Sciences, was among the co-authors of “Metaproteomics Reveals Persistent and Phylum-Redundant Metabolic Functional Stability in Adult Human Gut Microbiomes of Crohn’s Remission Patients Despite Temporal Variations in Microbial Taxa, Genomes, and Proteomes,” which was published in *Microbiome* on February 11, 2019.



Claire Fraser, PhD

► **Dheeraj Gandhi, MBBS**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was a co-author of “Efficacy and Safety of Minimally Invasive Surgery with Thrombolysis in



Intracerebral Haemorrhage Evacuation (MISTIE III): a Randomised, Controlled, Open-label, Blinded Endpoint Phase 3 Trial,” which was published in *Lancet* on February 6, 2019. Dr. Gandhi was also a co-author of “Angiography Screening and Surveillance for Intracranial Aneurysms in Autosomal Dominant Polycystic Kidney Disease: A Cost-Effectiveness Analysis,” which was published in *Radiology* on February 19, 2019.



Dheeraj Gandhi, MBBS

► **Mohit Gilotra, MD**, Assistant Professor, Department of Orthopaedics, was the lead author of “Risk Factors for Cerebral Desaturation Events During Shoulder Surgery in the Beach Chair Position,” which was published in *Arthroscopy* on February 4, 2019.



Mohit Gilotra, MD

► **Ann Gruber-Baldini, PhD**, Professor, Department of Epidemiology & Public Health, and **Lisa Shulman, MD**, Professor, Department of Neurology, were among the co-authors of “Multidimensionality of the PROMIS Self-Efficacy Measure for Managing Chronic Conditions,” which was published in *Quality of Life Research* on February 26, 2019.



Ann Gruber-Baldini, PhD

► **Isabel Jackson, PhD**, Associate Professor, and **Elisabeth Vicente, MS**, Program Manager for Biomarkers, both from the Department of Radiation Oncology, were among the authors of “Agglutination Testing for Human Erythrocyte Product in the Rhesus Macaque,” which was e-published in *Transfusion* on February 7, 2019

► **Xiaofeng Jia, MD, PhD**, Associate Professor, corresponding author along with co-author **Huanwen Chen**, Medical Student, both from the Department of Neurosurgery, were authors of “Long-term Feasibility and Biocompatibility of Directly Microsurgically Implanted Intrafascicular Electrodes in Free Roaming Rabbits,” which was published in the February 2019 issue of the *Journal of Biomedical Materials Research Part B: Applied Biomaterials*.



Xiaofeng Jia, MD, PhD

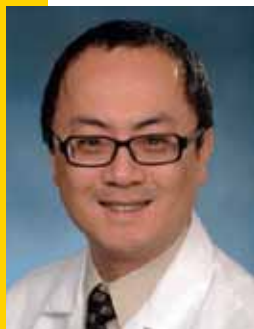
► **Gaurav Jindal, MD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Impact of Balloon Guide Catheter Use on Clinical and Angiographic Outcomes in the STRATIS Stroke Thrombectomy Registry,” which was published in the March 2019 issue of *Stroke*.



Gaurav Jindal, MD

► **Pratap Karki, DSci**, Assistant Professor, and **Anna Birukova, MD**, Professor, both from Department of Medicine, were among the co-authors of “Microtubule Destabilization Caused by Particulate Matter Contributes to Lung Endothelial Barrier Dysfunction and Inflammation,” which was published in the January 2019 issue of *Cellular Signaling*. Drs. Karki and Birukova were also among the co-authors on “*Staphylococcus aureus*-induced Endothelial Permeability and Inflammation are Mediated by Microtubule Destabilization,” which was published in the *Journal of Biological Chemistry* on January 8, 2019. In addition, Drs. Karki and Birukova, along with **Yunbo Ke, PhD**, Assistant Professor, and **Konstantin Birukov, MD, PhD**, Professor, both from the Department of Anesthesiology, were among the co-authors of “Mechanosensitive Rap1 Activation Promotes Barrier Function of Lung Vascular Endothelium Under Cyclic Stretch,” which was published in the *Molecular Biology of the Cell* on February 6, 2019.

► **Kimia Khalatbari Kani, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was first author of “The Floating Shoulder,” which was published in *Emergency Radiology* on February 23, 2019.



Young Kwok, MD

► **Dongwon Kim, PhD**, Visiting Postdoctoral Fellow, Department of Physical Therapy and Rehabilitation Science, authored “A Computational Scheme for Internal Models Not Requiring Precise System Parameters,” which was published in *PLoS One* on February 27, 2019.

► **Young Kwok, MD**, Associate Professor; **William D’Souza, PhD**, Professor; **William Regine, MD**, the

Isadore & Fannie Schneider Foxman Chair, all from the Department of Radiation Oncology, were among the authors of “The Feasibility of Integrating Resting-State fMRI Networks into Radiotherapy Treatment Planning,” which was published in the March 2019 issue of the *Journal of Medical Imaging and Radiation Sciences*.

► **Hannah Lane, PhD**, Postdoctoral Fellow, **Yan Wang, MD, DrPH**, Associate Professor, and **Erin Hager, PhD**, Associate Professor; all from the Department of Pediatrics, were authors of “Wellness Committee Status and Local Wellness Policy Implementation Over Time,” which was published in the March 2019 issue of the *American Journal of Preventive Medicine*.



Yan Wang, MD, DrPH



Paige Halter Luneburg, MD

► **Paige Halter Luneburg, MD**, Instructor, Department of Internal Medicine, was author of “Permanent Ink,” which was published in *Journal of the American Medical Association* on February 12, 2019.

► **Thomas MacVittie, PhD**, Professor, Department of Radiation Oncology, was among the authors of “Lifelong Residual Bone Marrow Damage in Murine Survivors of the Hematopoietic Acute Radiation Syndrome (H-ARS): A Compilation of Studies Comprising the Indiana University Experience,” which was published in the April 2019 issue of *Health Physics*.



Thomas MacVittie, PhD



Jay Magaziner, PhD, MSHyg

► **Jay Magaziner, PhD, MSHyg**, Professor and Chair, Department of Epidemiology & Public Health, was among the co-authors of “Rehabilitation After Hip Fracture for Nursing Home Residents: A Controlled Feasibility Trial,” which was published in *The Journals of Gerontology, Series A: Biological Sciences and Medical Sciences* on February 9, 2019.

► **Amal Mattu, MD**, Professor, Department of Emergency Medicine, is the editor-in-chief of the second edition of *Electrocardiography in Emergency, Acute, and Critical Care*. His co-editors are Jeffrey A. Tabas, MD, of San Francisco General Hospital, and William J. Brady, MD, at the University of Virginia School of Medicine. Their 18-chapter book was published by the American College of Emergency Physicians in January. The three editors wrote the opening chapter, “The ECG and Clinical Decision-Making in the Emergency Department.” Two other chapters were contributed by emergency medicine faculty members: **Semhar Tewelde, MD**, Assistant Professor, and **Maite Anna Huis in’t Veld, MD**, Assistant Professor, wrote “ACS Mimics Part I: Non-ACS Causes of ST-Segment Elevation,” and **Michael Bond, MD**, Associate Professor, and **Leen Alblaihed, MBBS**, Clinical Instructor and Faculty Development Fellow, contributed “Pericarditis, Myocarditis, and Pericardial Effusions.” The book was copyedited by **Linda Kesselring, MS, ELS**, who is the Department’s Technical Editor & Writer.



Amal Mattu, MD



Maureen McCunn, MD, MIPP, FCCM

► **Maureen McCunn, MD, MIPP, FCCM**, Professor, Department of Anesthesiology, served as the lead editor for the March 2019 issue of *Anesthesiology Clinics*, the topic of which was “Cutting-Edge Trauma and Emergency Care.” Several articles in this issue were contributed by faculty members at the University of Maryland School of Medicine. **Kinjal Sethuraman, MD, MPH**, Assistant Professor, Department of Emergency Medicine, and **Jennifer Albrecht, PhD**, Assistant Professor, Department of Epidemiology & Public Health, co-authored the article titled “Gender Disparities in Trauma Care: How Sex Determines Treatment, Behavior, and Outcome.” **Samuel Galvagno, Jr., DO, PhD**, Associate Professor, Department of Anesthesiology, was the lead author of “Advanced Trauma Life Support® Update 2019: Management and Applications for Adults and Special Populations.” **Bianca Conti, MD**, Assistant Professor, Department of Anesthesiology, and **Ravi Chauhan, FRCA**, Trauma Anesthesiology Fellow, contributed to “Novel Methods for Hemorrhage Control: Resuscitative Endovascular



Balloon Occlusion of the Aorta and Emergency Preservation and Resuscitation.”



Pranshu Mohindra, MD, MBBS

► **Pranshu Mohindra, MD, MBBS**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Clinical Outcomes of Patients with Recurrent Lung Cancer Reirradiated with Proton Therapy on the Proton Collaborative Group and University of Florida Proton Therapy Institute Prospective Registry Studies,” which was published in *Practical Radiation Oncology* on February 22, 2019. In addition, Dr. Mohindra, was among the authors of “Empiric Radiotherapy for Lung Cancer Collaborative Group Multi-Institutional Evidence-Based Guidelines for the Use of Empiric Stereotactic Body Radiation Therapy for Non-Small Cell Lung Cancer Without Pathologic Confirmation,” which was published in the February 2019 issue of *Translational Lung Cancer Research*.

► **Jason Molitoris, MD, PhD**, Assistant Professor; **J.W. Snider, III, MD**, Assistant Professor; **Sina Mossahebi, PhD**, Assistant Professor; **Santanu Samanta, MD, MBBS**, Resident; **Nasarachi Onyeuku, MD**, Resident; and **Pranshu Mohindra, MD**, Assistant Professor, all from the Department of Radiation Oncology, were among the authors of “Optimizing Immobilization, Margins, and Imaging for Lung Stereotactic Body Radiation Therapy,” which was published in the February 2019 issue of *Translational Lung Cancer Research*.



Jason Molitoris, MD, PhD

► **Emmanuel Mongodin, PhD**, Associate Professor, Microbiology & Immunology, Institute for Genome Sciences, was among the co-authors of “Association of Systemic Antibiotic Treatment of Acne with Skin Microbiota Characteristics,” which was published in *JAMA Dermatology* on February 13, 2019.



Emmanuel Mongodin, PhD

► **Elizabeth Nichols, MD**, Assistant Professor; **Shafiq Rahman, IT Director**; and **Byong Yong Yi, PhD**, Professor, all from the Department of Radiation Oncology, authored “The Impact of Cybersecurity in Radiation Oncology: Logistics and Challenges,” which was published in the December 2018 issue of *Applied Radiation Oncology*.

► **Stephanie Rice, MD**, Resident, **Jason Molitoris, MD, PhD**, Assistant Professor, and **Elizabeth Nichols, MD**, Assistant Professor, all from the Department of Radiation Oncology, were among the authors of “Trends in Utilization of Hypofractionated Whole Breast Irradiation (HF-WBI) in Triple Negative Breast Cancer (TNBC): A National Cancer Database (NCDB) Analysis,” which was published in *Breast Cancer Research and Treatment* on February 22, 2019.

► **Amit Sawant, PhD**, Associate Professor; **Narottam Lamichhane, PhD**, Assistant Professor; and **Pranshu Mohindra, MD**, Assistant Professor, all from the Department



Amit Sawant, PhD

of Radiation Oncology, were among the authors of “Three Discipline Collaborative Radiation Therapy (3DCRT) Special Debate: I Would Treat All Early-Stage NSCLC Patients with SBRT,” which was published in the *Journal of Applied Clinical Medical Physics* on February 22, 2019.

► **Diane Marie St. George, PhD**, Associate Professor, Department of Epidemiology & Public Health, was a co-author on “Health Savings Account Ownership and Financial Barriers to Health Care: What Social Workers Should Know,” which was published in *Social Work Public Health* on February 15, 2019.

► **Nikki Tirada, MD**, Assistant Professor; **Guang Li, PhD**, Assistant Professor; **David Dreizin, MD**, Assistant Professor; **Gauri Khorjekar, MBBS**, Assistant Professor; and **Thomas Ernst, Dr rer nat**, Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were co-authors of “Digital Breast Tomosynthesis: Physics, Artifacts, and Quality Control Considerations,” which was published in *Radiographics* on February 15, 2019.



Nikki Tirada, MD



Yan Wang, MD, DrPH

► **Yan Wang, MD, DrPH**, Associate Professor; **Erin Hager, PhD**, Associate Professor; and **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, all from the Department of Pediatrics; **Larry Magder, PhD**, Professor, Department of Epidemiology & Public Health; and **Raquel Arbaiza, MA**, Project Coordinator, Department of Pediatrics, were authors of “A Dyadic Analysis on Source Discrepancy and a Mediation Analysis via Self-Efficacy in the Parental Support and Physical Activity Relation Among Black Girls,” which was published in the February 2019 issue of *Childhood Obesity*.

► **L. Susan Wieland, PHD, MPH**, Assistant Professor, Family & Community Medicine, and Field Coordinator of Cochrane CAM, Center for Integrative Medicine, was lead author of “Yoga for Treating Urinary Incontinence in Women,” which was published in the *Cochrane Database Systematic Review* on February 28, 2019.



Su Xu, PhD

► **Su Xu, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Altered Forebrain Functional Connectivity and Neurotransmission in a Kinase-Inactive Met Mouse Model of Autism,” which was published in *Molecular Imaging* on January 4, 2019.

► **Li-Qun Zhang, PhD**, Professor, Department of Physical Therapy and Rehabilitation Science, was a co-author on the following conference papers published for the Orthopaedic Research Society 2019 Annual Meeting which was held in Austin, Tex., February 2–5. “Real-Time Estimation of Knee Adduction Moment in Knee Osteoarthritis for Biodynamic Evaluation and Training” and “Subject-Specific Multi-Axis Leg Neuromuscular Training for Traumatic Knee Injuries and Osteoarthritis.”



Li-Qun Zhang, PhD

## In the News

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



Richard Lichenstein, MD

► **Richard Lichenstein, MD**, Professor, Department of Pediatrics, co-authored “Gun Storage Saves Children’s Lives,” which was published in *The Baltimore Sun* on February 24, 2019.

► Fox 45 News featured a segment on the Stop the Bleed training program. The program was led by **Habeeba Park, MD**, Trauma Surgeon and Assistant Professor, Department of Surgery, on March 16 at the 2019 B’more Health Expo.

► **Geoffrey Rosenthal, MD, PhD**, Professor, Department of Pediatrics, and **Scott Jerome, DO, FACC, FASNC, FSCCT**, Assistant Professor, Department of Medicine, were interviewed live on Maryland Public Television’s Direct Connection “Your Health” Program about sports cardiology on February 25, 2019. Separately, Dr. Rosenthal was quoted in a Reuters Health report on new research suggesting climate change could raise the risk of congenital heart defects. The article was titled “Climate Change Could Raise Risk of Congenital Heart Defects.”



Geoffrey Rosenthal, MD, PhD



# Honors & Awards

*Congratulations to the following who have received honors!*

► The UMSOM's **Department of Radiation Oncology** was named among the top ten accruing sites by NRG Oncology, an NCI-sponsored national cooperative trial group. The Department was ranked fourth nationally and sixth worldwide among member sites accruing patients to NRG clinical trials in 2018.

► Many UMSOM faculty presented and received awards at the 2019 Annual Congress of the Society of Critical Care Medicine, held in San Diego, Calif., in February.



Dayanand Bagdure, MBBS, MPH, FAAP

• **Dayanand Bagdure, MBBS, MPH, FAAP**, Assistant Professor, Department of Pediatrics received the Star Research Achievement Award along with his co-author for "Economic Impact of Hospitalized Children with Botulism that Receive Human Botulinum Immune Globulin." In addition, Dr. Bagdure won the Research Snapshot Bronze Award along with his co-authors for the abstract "Short Term Adverse Outcomes Associated with Hypoglycemia in Critically Ill Children."

• **Quincy Tran, MD, PhD**, Assistant Professor, Emergency Medicine, and his multidisciplinary research group won the Silver Snapshot Abstract Award. The winning abstract was titled "Resuscitation Unit Transferred More While Providing Similar Outcomes for Patients with Stroke from Large Vessel Occlusion." Dr. Tran's collaborators in this research are **Karen Yarbrough, DNP, CRNP**, Nurse Practitioner, Department of Neurology; **Wan-Tsu Chang, MD**, Assistant Professor, Department of Emergency Medicine; **Jay Menaker, MD**, Professor, Department of Surgery; **Michael Phipps, MD**, Assistant Professor, Department of Neurology; and students Paul Capobianco, Amir Medic, Asim Shafique, Isabella Swafford, and Timothy Traynor, who were at the University of Maryland, College Park, at the time of the study.



Quincy Tran, MD, PhD

• **Linda Kyle Walker, MD**, Assistant Professor; **Adnan Bhutta, MBBS, FAAP, FCCM**, Professor; and **Dayanand Bagdure, MBBS, MPH, FAAP**, Assistant Professor, all from the Department of Pediatrics, were selected to present "ECMO Support for Aspiration Pneumonia."



Linda Kyle Walker, MD

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was the recipient of the 2019 "Lifetime Achievement Award" at the World Federation of Cardiac Imaging and Clinical Cardiology meeting, for his significant scientific contributions and outstanding achievements in the field of cardiac imaging. The meeting was held in Mumbai, India, February 22–24, 2019.



Vasken Dilsizian, MD

► **Cara Felter, PT, DPT, MPH**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was named an Elite Reviewer by the journal *Archives of Physical Medicine & Rehabilitation* for 2018.



Cara Felter, PT, DPT, MPH

► **Cheng-Ying Ho, MD, PhD**, Assistant Professor, Department of Pathology, received the 2019 American Society for Clinical Investigation (ASCI) Young Physician-Scientist Award. The ASCI Young Physician-Scientist Award recognizes physician-scientists who are early in their first faculty appointment and have made notable achievements in their research. Dr. Ho presented her research at the Annual Joint Meeting of AAP/ASCI/APSA, April 5–7, 2019.



Cheng-Ying Ho, MD, PhD

► **The Gold Humanism Honor Society Induction Ceremony** took place on March 7. The Gold Humanism Honor Society (GHHS) recognizes students, residents and faculty who

are exemplars of compassionate patient care and who serve as role models, mentors, and leaders in medicine. GHHS members are peer nominated and are the ones that others say they want taking care of their own family. The Society currently has over 25,000 members in training and practice.

## Gold Humanism Honor Society (GHHS) Junior Inductees:

Chelsea Alvarado	Zofia Kozak
David Ambinder	Jacqueline Krevitz
Claudia Avalos	James Martinson
Brenna Beck	Gabriella Miller
Jasmine Blake	Michelle Moore
MaryBrooke Burval	Rutvij Pandya
Helen Cheung	Karishma Patel
Cara Dooley	Zahur Sallman
Harris Feldman	Amit Sharma
Meredith Grover	Nana Simpson
Chinezimuzo Ihenatu	Breanna Tracey
Sophie Jin	Lisa Younk
Janet Karanja	

## House Staff Inductees:

Max Emmerling, MD, DDS  
 Chelsea Goodier, MD  
 David Gottlieb, MD  
 Jeanine Reyes, MD  
 Mark Sutherland, MD  
 Ashley Wade-Vuturo, MD

## Faculty Leonard Tow Award Recipient:

**David Gens, MD**, Attending Surgeon, Program in Trauma, and Professor, Department of Surgery

## Art Cohen Award Recipient:

Wendy Hackshaw

► **The Alpha Omega Alpha Honor Medicine Society Induction Ceremony** took place on April 2, 2019. Election to Alpha Omega Alpha is an honor signifying a lasting commitment to scholarship, leadership, professionalism, and service.

## Alpha Omega Alpha Honor Society 2019 Inductees:

### Spring 2019 AOA Student Inductees:

Breanna Tracey  
 Ashley La Lisa  
 Younk Cristian Salgado  
 Justin Brilliant  
 Emily Min Ilaria  
 Caturegli Aymen Alqazzaz  
 Kavita Bhatnagar  
 Alexandra Laps  
 Latasha Easter  
 Karishma Patel  
 Vivien Xie

### 2019 Resident Inductees:

Clare Coda, MD  
 Manoj Racherla, MD  
 Allison Shannon, MD  
 Adam Zviman, MD

### 2019 Faculty Inductees:

**Elizabeth Lamos, MD**, Assistant Professor, Department of Medicine  
**Ana Sanchez, MD**, Assistant Professor, Department of Neurology  
**Minhaj Siddiqui, MD, MS**, Associate Professor, Department of Surgery



Elizabeth Lamos, MD

### 2019 Community Physician Inductee:

**Cyrus Hamidi, MD, MPH**, Adjunct Instructor, Department of Family & Community Medicine

### 2019 Alumnus Inductee:

**Stacy Garrett-Ray, MD, MPH, MBA**, Vice President and Medical Director of the University of Maryland Medical System's Population Health Services Organization



Ana Sanchez, MD



## Community Service:

*Thanks to those who selflessly donate their time, talent and resources. Your goodwill does not go unappreciated.*

► First and second year students of the Department of Physical Therapy and Rehabilitation Science's DPT Program participated in PT/PTA Advocacy Day on February 13 in Annapolis, Md. The American Physical Therapy Association (APTA) of Maryland organized licensed physical therapists and physical therapist assistants to lead student groups to meet with Maryland Delegates and Senators to advocate for the profession of Physical Therapy and the patients it serves. Department of Physical Therapy and Rehabilitation Science faculty who participated as group leaders included: **Cara Felter, PT, DPT, MPH**, Assistant Professor; **Roy Film, PT, MPT, DPT, OCS, FAAOMPT**, Assistant Professor; **Linda Horn, PT, DScPT, MHS**, Assistant Professor; **Rachel Skolky, PT, MSPT, DPT**, Instructor; and **Brian Johnson, OTR/L, PhD** Candidate, Graduate Research Assistant.

► On February 23, students and faculty from the Department of Physical Therapy and Rehabilitation Sciences, assisted with education

sessions organized by Health Alliance, at the University of Maryland, Baltimore Community Engagement Center. Participating from the Department of Physical Therapy and Rehabilitation Science were students **Patricia Hays**, and Co-President of the Health Alliance; **Cassandra Lippy**; **Krysten Menks**; and **Linda Horn, PT, DScPT, MHS**, Assistant Professor.



## Grants & Contracts

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



Robert Bloch, PhD

► **Robert Bloch, PhD**, Professor, Department of Physiology, received a one-year, \$200,000 grant from the Jain Foundation for "The Role of Dysferlin in Skeletal Muscle In Vitro and In Vivo." Dr. Bloch also received a two-year, \$200,000 subcontract grant from FSHD Global and the University of Nevada, Reno School of Medicine for "Pre-clinical Testing for FSHD CRISPR-inhibition Therapy."

► **Joseph Cheer, PhD**, Professor, Department of Anatomy and Neurobiology, was awarded a five-year, \$1,738,125 grant from the National Institute on Drug Abuse (NIDA/NIH) for "Cannabinoid Receptor Control of a DRN to VTA Pathway and its Role in Affective States." Also, within Cheer's lab, **Dan Covey, PhD**, Assistant Professor, was awarded a \$1,051,544 K99/R00 award from the NIDA/NIH for "Neural Circuit Control of Mesolimbic Dopamine and Reward."



Joseph Cheer, PhD

► **Vicki Gray, MPT, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, received a \$2,833,578 grant from the National



Vicki Gray, MPT, PhD

Institutes of Health (NIH) for "Hip Muscle Power, Lateral Balance Function, and Falls in Aging." Dr. Gray also received a \$424,875 grant from the NIH for "Neuromuscular and Biomechanical Control of Lower Limb Loading in Individuals with Chronic Stroke."

► **Elizabeth Nichols, MD**, Assistant Professor, Department of Radiation Oncology, received a \$105,000 award from Xcision Medical Systems, LLC, for "The Management and Provision of Complex Clinical Support for the Gammapod Program Clinical Trials."

► **J.W. Snider, III, MD**, Assistant Professor, Department of Radiation Oncology, received a \$10,000 sub-agreement with the University of Texas, MD Anderson Cancer Center on a corporate trial from Hitachi for "Phase II/III Randomized Trial of Intensity-Modulated Proton Beam Therapy (IMPT) Versus Intensity-Modulated Photon Therapy (IMRT) for the Treatment of Oropharyngeal Cancer of the Head and Neck."



Li Zhang, PhD

► **Li Zhang, PhD**, Associate Professor, Department of Physiology, Center for Vascular and Inflammatory Diseases, received a four-year, \$1,868,061 grant from the National Heart, Lung, and Blood Institute (NHLBI/NIH) for "Targeting the Proinflammatory Activity of Integrin Mac-1 for Treatment of Atherosclerosis."

## New Faculty

*We welcome our new faculty!*



Nrusingh Biswal, PhD

► **Nrusingh Biswal, PhD**, joined the Department of Radiation Oncology as an Assistant Professor in March 2019. Dr. Biswal also will be working at the Maryland Proton Treatment Center. Dr. Biswal completed his PhD in electrical and biomedical engineering at the University of Connecticut, followed by medical physics residency at Rush University Medical Center, and was most recently an assistant professor in radiation oncology physics at Rutgers University.

► **Bryon Jackson, MD, MHA**, joined the Department of Pathology as an Assistant Professor in April 2019. Dr. Jackson has been appointed as Director for Blood Management and Associate Director of Transfusion Medicine. Dr. Jackson, a Baltimore native, came to UMSOM from Emory University School of Medicine where he was assistant professor in pathology & laboratory medicine. He received his medical degree from the University of Pennsylvania and completed his residency at Thomas Jefferson University. He then completed a fellowship in Transfusion Medicine at the University of Pittsburgh School of Medicine.



Robert Miller, MD

► **Robert Miller, MD**, joined the Department of Radiation Oncology as a professor and also assumed the role of Medical Director of the Maryland Proton Treatment Center in April 2019. Dr. Miller, who served at the Mayo Clinic for 25 years, has conducted extensive clinical research on the use of compounds to mitigate the risk of normal tissue injury in patients undergoing radiation therapy. He has served as the national PI/study chair for five NIH-funded national phase III cooperative group clinical trials using such agents. In addition, he served as Vice Chair of the National Mayo Clinic Cancer Center Practice Committee, overseeing cancer care delivery at all of Mayo's national sites, and as Medical Director for Particle Therapy at Mayo Clinic Florida. He previously served as Vice Chair of the Board of Trustees of the Albert and Lea Austin Mayo Clinic Health System. He is the author of more than 170 peer-reviewed papers and the founding editor-in-chief of *Advances in Radiation Oncology*.



# Appointments

*We applaud our colleagues on their recent appointments!*



Brian Browne, MD

► Three professors in the Department of Emergency Medicine have been promoted to vice chairmanship positions, joining **Brian Browne, MD**, Professor and Chairman, in the department's administrative leadership:

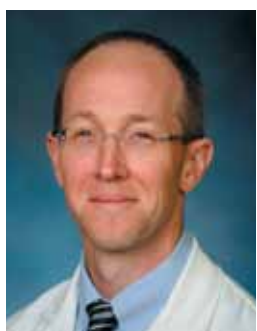
- **Amal Mattu, MD**, Professor, is the new Vice Chair of Academic Affairs, focusing on faculty development and

promotions. His duties include the mentoring of faculty members in their academic pursuits; enhancing the department's education programs for fellows, residents, and medical students; and participating in the recruitment of new faculty members. Dr. Mattu has been the Vice Chair of the department since 2011.



Amal Mattu, MD

- As Vice Chair of Clinical and Administrative Affairs, **Michael Winters, MD, MBA**, Professor, is responsible for the business and administrative aspects of the department. He will negotiate contracts for clinical services, participate in the recruitment of new emergency care providers, and oversee compliance with billing practices. With this appointment, Dr. Winters leaves his position as the clinical director of UMMC's adult emergency department, a post he held for the past 10 years. The ED's new clinical director is **Angela Smedley, MD**, Assistant Professor.



Michael Winters, MD, MBA

- As Vice Chair of Patient Safety and Quality Assurance, **Brent King, MD**, Professor, will develop innovative programs to educate clinical personnel about best practices, identify areas of potential risk

and implement mitigation strategies to address them, and ensure the department's compliance with practice regulations.



Xiaofeng Jia, MD, PhD

► **Xiaofeng Jia, MD, PhD**, Associate Professor, Department of Neurosurgery, has been elected into the Society of Critical Care Medicine (SCCM) Research Section Board as a Secretary/Treasurer after being the member at large for three years. SCCM is a large multidiscipline community with 16,000 members in more than 100 countries. This will be a one-year appointment, with transition to chair-elect for one year, chair for one year, and immediate past chair for one year.

► **Habeeba**

**Park, MD**, Assistant Professor of Surgery, was named Vice Chair of the Maryland Committee on Trauma and became the Maryland Chapter of the American College of Surgeons representative to the statewide Emergency Medical Services (EMS) Council.



Habeeba Park, MD

► **Paul Welling, MD**, Professor, Department of Physiology, was elected into the



Paul Welling, MD

Association of American Physicians (AAP) in March 2019. The AAP, established October 10, 1885, is an honorific, elected society of America's leading physician-scientists. The Association is composed of members who are leading senior physician-scientists and are competitively selected. The AAP seeks to

inspire the full breadth of physician-led research across all fields, and to build a community of physician-scientists in support of the principle that objective science and evidence are essential foundations for improving patient care and the health of Americans.

## 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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