



# What's the Buzz?

JULY 2018 VOL. 20 NO. 7

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!*

► Members of the Department of Radiation Oncology were among the presenters and session chairs at the annual meeting of the Society for Thermal Medicine, May 7–10, in Tucson, AZ. Residents **Cristina DeCesaris, MD, Stephanie Rice, MD, and Jill Remick, MD**, and graduate student **Sandrine Soman** received New Investigator Awards of \$500 each to support travel to the meeting. **Zeljko Vujaskovic, MD, PhD**, Professor, co-chaired a session on Clinical/Therapeutics 1: Trials, Experiences, Retrospectives, that included presentations from the following University of Maryland Medical Center residents: **Jason Molitoris, MD, PhD; Emily Kowalski, MD; Cristina DeCesaris, MD; Jill Remick, MD; Stephanie Rice, MD; Sandrine Soman; and James Snider, III, MD.**



Vasken Dilsizian, MD

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, delivered an oral presentation titled “Imaging Inflammation for Evaluation of Device and Valve Infections,” and moderated a session titled “Opportunities for Collaboration Between SNMMI and ASNC” at the Society of Nuclear Medicine and Molecular Imaging Annual Scientific Sessions, which was held in Philadelphia, June 22–26.

► **Roy Film, PT, DPT, OCS, FAAOMPT**, Assistant Professor, Department of Physical Therapy and Rehabilitation of Science, taught a continuing education course to the physicians of the Western Maryland Health System in Cumberland, MD on May 22, titled “Non-Pharmacological Options for Chronic Pain Management.”



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



Gary Fiskum, PhD

► **Gary Fiskum, PhD**, the M. Jane Matjasko Professor for Research and Vice Chair, Department of Anesthesiology, presented three lectures at the Aerospace Medical Association meeting in Dallas in May. The titles of these lectures were “Air Evacuation-Relevant Hypobaric Following Traumatic Brain Injury Plus Hemorrhagic Shock Increases Lung Injury and Mortality”, “Effect of Aeromedical Evacuation-Relevant Hypobaric and Hyperoxia During Sepsis on Survival a Systemic Inflammation in Rats”, and “MRI and Neurophysiologic Measurements During Exposure to Hypobaric after Experimental Traumatic Brain Injury.”

► **Robert Gallo, MD**, the Homer & Martha Gudelsky Distinguished Professor in Medicine, Director, Institute of Human Virology, presented the keynote lecture, “A Career in Virology as it Relates to Lymphocytes, Cancer, and Immune Deficiency,” at the 2018 ZIBI Summer Symposium: Infection Biology for the 21st Century: Today's Giants Meet Tomorrow's Leaders, held at the Humboldt Graduate School in Berlin, Germany on June 27.



Robert Gallo, MD



Gaurav Jindal, MD

► **Gaurav Jindal, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine and **Marcella Wozniak, MD, PhD**, Associate Professor, Department of Neurology, were featured in an article in *The Baltimore Sun* on June 3 detailing “New Guidelines for Treating Stroke Victims.”

► **Judy LaKind, PhD**, Adjunct Associate Professor, Department of Epidemiology & Public Health, was invited to present “How to Assess and Interpret Biomonitoring Data Once You Have it,” at the Workshop on the Feasibility of Addressing Environmental Exposure Questions Using Department of



Judy LaKind, PhD

Defense Biorepositories, at The National Academies of Sciences, Engineering and Medicine, in Washington, DC on June 15. In addition, Dr. LaKind presented “Evidence-Based Environmental Decision-Making: Problems and Progress,” at Bundesinstitut für Risikobewertung, in Berlin, Germany, on May 24.

► **Sina Mossahebi, PhD**, Assistant Professor, Department of Radiation Oncology, presented “Testing Dose Calculations with Stopping Power Ratio Images Constructed from Dual-Energy CT in a Commercial Treatment Planning System” on May 26 at the 57th Annual Conference of the Particle Therapy Co-Operative Group in Cincinnati. Dr. Mossahebi also presented two posters at the meeting: “Importance of Secondary Particles Produced in a Clam-Shell for Proton Therapy,” and “Evaluating the Accuracy of Stopping Power Ratio Images Derived from Dual-Energy CT for Proton Dose Calculation.”



Charlene Quinn, PhD, RN, FAAN

► **Charlene Quinn, PhD, RN, FAAN**, Associate Professor, Department of Epidemiology & Public Health, was an invited presenter and a Panel Moderator for a session on “Research End Points” at the Digital Diabetes Congress, May 22–23 in San Francisco.

► **Horea Rus, MD, PhD**, Professor and **Alexandru Tatomir, MD**, Postdoctoral Fellow, both from the Department of Neurology; and medical student **Jonathan Ciriello**, presented “Phosphorylated SIRT1 as a Biomarker of Relapse and Response to Treatment with Glatiramer Acetate in Multiple Sclerosis” at the Consortium of Multiple Sclerosis Centers Meeting in Nashville, held May 20–June 2. Mr. Ciriello was also a recipient of a Medical Student Research Scholarship Award from the Foundation of the Consortium of Multiple Sclerosis Centers.



Horea Rus, MD, PhD

► **Karen Sack**, Administrator for the Department of Physical Therapy and Rehabilitation Science, was a co-speaker for the Society of Research Administrators (SRA) International Spring Intensive Training Programs. The two-day workshop, titled “Change Leadership: Pathways to Collaboration” was held in New Orleans, May 7–8. The workshop was attended by national and international research and department managers and leaders.

► **Sharon Saunders, MD**, Adjunct Assistant Professor, Department of Medicine, abstract “Analysis of the 2016 University of Maryland School of Medicine’s Mini-Med School Program” was accepted for the 2018 American Public Health Association annual meeting poster competition. The meeting will take place from November 10–14, 2018 in San Diego.

► In April, Uniformed Services University and Walter Reed National Military Medical Center hosted the 2018 Trauma Symposium, “Building a Unified Civilian-Military Trauma System in the National Capital Region.” The University of Maryland School of Medicine was represented by speakers on two panels. **Thomas Scalea, MD**, the Honorable Francis X. Kelly Distinguished Professor of Trauma Surgery, Director, Program in Trauma; and **R. Sean Benoit, MD, MBA**, Assistant Professor, Department of Surgery, presented “Perspectives from NCR Trauma Center Leadership.” **Roger Stone, MD, MS**, Clinical Assistant Professor, Department of Emergency Medicine, and **Andrew Pollak, MD**, the James Lawrence Kernan Professor, Chair, Department of Orthopaedics, presented “Perspectives from NCR Trauma System Leadership.”



Thomas Scalea, MD

► **Charles Simone II, MD**, Associate Professor, Department of Radiation Oncology, presented “Radical/Salvage Approaches” on May 4 at the International Conference of the International Mesothelioma Interest Group in Ottawa, Canada. On May 5, Dr. Simone presented a talk at the 100th Annual Meeting of the American Radium Society in Orlando. In addition, Dr. Simone presented “Early Evidence



## Events, Lectures & Workshops *continued from page 1*

for Improving Outcomes with SBRT in Lung Cancer Using IMPT” and “Reirradiation” at the 57th Annual Conference of the Particle Therapy Co-Operative Group on May 23 in Cincinnati. On May 30, Dr. Simone presented Grand Rounds in Radiation Oncology at the Memorial Sloan Kettering Cancer Center in New York, on “Evidence-Based Proton Therapy for Thoracic Malignancies.”



Charles Simone, II, MD

► **Roger Stone, MD, MS, FACEP, FAAEM, FAEMS**, Clinical Assistant Professor, and **Jennifer Guyther, MD**, Assistant Professor, both from the Department of Emergency Medicine, presented lectures at Maryland EMS Care 2018 in Ocean City, MD, in April. This annual event is designed as a continuing education opportunity for emergency medical services providers, nurses, and fire/rescue personnel. Dr. Stone presented “Attitudes and Culture in Our Fire-Based EMS Systems” and co-led a course on management of the difficult airway; and Dr. Guyther presented “Pediatric Seizures: Subtle versus Status.” Separately, Dr. Stone was a speaker at the 23rd Annual Emergency Medical Services (EMS) Medical Directors’ Symposium, hosted by the Maryland Institute for Emergency Medical Services Systems in Sykesville, MD, on April 11. Dr. Stone spoke during the session on EMS board certification updates for physicians. The title of his presentation was “Your EMS Grandfather Status and the Fountain of Youth: ABEM Made it Easier to Sit for the Exam!”

► On June 3, **Kelly Westlake, PhD, MSc, PT**, Assistant Professor and **Brian Johnson, OTR/L, PhD** Candidate and Graduate Research Assistant, both from the Department of Physical Therapy and Rehabilitation Science, presented a poster they co-authored titled “The Effects of Targeted Memory Reactivation During a Daytime Nap on Sensorimotor Skill Performance in Healthy Young Adults” at SLEEP—the annual meeting of the Associated Professional Sleep Societies which was held in Baltimore. The Associated Professional Sleep Societies, LLC, is a joint partnership of the American Academy of Sleep Medicine and the Sleep Research Society. The SLEEP meeting is an annual meeting of the leading researchers and clinicians in the field of sleep medicine.

► **Mingyao Zhu, PhD**, Assistant Professor, and **Peng Wang, PhD**, Assistant Professor, both from Department of Radiation Oncology, presented posters at the 57th Annual Conference of the Particle Therapy Co-Operative Group in Cincinnati, titled “Can Robust Optimization Reduce Adaptive Planning Requirements Due to Anatomical Changes for Head and Neck IMPT Treatments?” and “Feedback Based Voluntary Moderate Breath Hold Proton Pencil Beam Scanning Treatment” respectively.



Mingyao Zhu, PhD



Charles White, MD

► The Department of Diagnostic Radiology and Nuclear Medicine held its annual Research Day featuring the Sixth Annual John M. Dennis, MD Lecture on June 6. The featured speaker was Martin Pomper, MD, PhD from Johns Hopkins University who spoke on “Precision Medicine.” The 2018 Bruce Roberts Line Prize Awardee was **Charles White, MD**, Professor and Vice Chairman for Clinical Affairs, Department of Diagnostic Radiology and Nuclear Medicine. The 2018 RSNA Resident Research Awardee was **Vikash Gupta, MD**, Department of Diagnostic Radiology and Nuclear Medicine.

► **Albukalam Shamsuddin, MBBS, PhD**, Professor, Department of Pathology, organized an international symposium “Health Benefits and Other Applications of IP6 & Inositol” in Xi’an, China in October 2017, in which he was also the keynote speaker.



► The Center for Integrative Medicine was well represented at the International Congress on Integrative Medicine and Health that was held in Baltimore from May 8–11. Among the presenters were:

**Brian Berman, MD**, Professor, Department of Family & Community Medicine and Director; **Kelli Bethel, PT, C-IAYT, E-RYT 500**, Yoga Therapist and Director of Yoga Programs; **Delia Chiaramonte, MD**, Assistant Professor, Department of Family & Community Medicine, and Associate Director and Director of Education; **Chris D’Adamo, PhD**, Assistant Professor, Department of Family & Community Medicine and Director of Research; **Termeh Feinberg, PhD, MPH**, Postdoctoral Research Fellow, Department of Family & Community Medicine; **Lolly Forsythe-Chisolm, BA**, Mind-Body Specialist; **E. Blaine Guelde, CRNP**, Inpatient Integrative Medicine Nurse Practitioner; **Elizabeth Parker, PhD, RD**, Assistant Professor, Department of Family & Community Medicine, and Registered Dietitian; **Lisa Susan Wieland, PhD, MPH**, Assistant Professor, Department of Family & Community Medicine; **Ruixin Zhang, PhD**, Assistant Professor, Department of Family & Community Medicine.

Additionally, faculty from other departments included:

**Adeel Kaiser, MD**, Assistant Professor; **Charles Simone, II, MD**, Associate Professor; **William Regine, MD**, Professor, the Isadore & Fannie Schneider Foxman Chair, all from the Department of Radiation Oncology; and **Kamal Moudgil, MD, PhD**, Professor, Department of Microbiology and Immunology.

The following University of Maryland School of Medicine students and residents presented as well:

**Anil Bajnath, MD**, Resident; **Brenna Beck**, MD Candidate; **Tina Roy, BS**; and **Zofia Kozak**, MD Candidate.

## Appointments

*We applaud our colleagues on their recent appointments!*



France Carrier, PhD

► **France Carrier, PhD**, Associate Professor, Department of Radiation Oncology, has been elected as a standing member of the Drug Discovery and Molecular Pharmacology NIH R01 Study Section for a 4-year term starting July 1.

► **J. Isabelle Choi, MD**, Assistant Professor, Department of Radiation Oncology, was appointed on May 1 to a 3-year term on the Board of Directors of the National Association for Proton Therapy.

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, has assumed office as 2018-19 President-Elect of the Society of Nuclear Medicine and Molecular Imaging (SNMMI). SNMMI is an international scientific and medical organization with more than 17,000 members and its mission is to improve human health by advancing nuclear medicine, molecular imaging and radionuclide therapy.

► **Adam Puche, PhD**, Professor, Department of Anatomy & Neurobiology, was appointed Chair of the Maryland State Anatomy

Board, effective May 25, 2018. The State Anatomy Board is an arm of the Maryland Department of Health and serves as the governing body for the statewide anatomic donor program.



Mary Rodgers, PT, PhD, FAPTA, FASB, FISB

► **Mary Rodgers, PT, PhD, FAPTA, FASB, FISB**, Professor *Emeritus*, has been elected to the Nominating Committee for the Research-Intensive Programs in Physical Therapy Consortium of the American Council of Academic Physical Therapy.

► **Giovannino Silvestri, PhD**, was appointed on July 1 as Research Associate, Program in Oncology, after five years as a Postdoctoral Fellow in the lab of **Professor Danilo Perrotti, MD, PhD**, in the Greenebaum Cancer Center.



Giovannino Silvestri, PhD



# Publications

*Hats off to those who have been published!*

► **Manuj Agarwal, MD**, Assistant Professor, Department of Radiation Oncology, was a co-author on “Cancer, Lung, Small Cell (Oat Cell),” published in the January 2018 issue of *StatPearls*.



Paul Antony, MD

► **Paul Antony, MD**, Assistant Professor, Department of Pathology, was a co-author on “PD-L1-Independent Mechanisms Control the Resistance of Melanoma to CD4+ T Cell Adoptive Immunotherapy,” published in the *Journal of Immunology* on May 30, 2018.

► **Akbar Anvari, PhD**, Postdoctoral Fellow; **Yannick Poirier, PhD**, Assistant Professor; and **Amit Sawant, PhD**, Associate Professor, all from the Department of Radiation Oncology, authored “Development and Implementation of EPID-Based Quality Assurance Tests for the Small Animal Radiation Research Platform (SARRP),” e-published in *Medical Physics* on April 28, 2018.

► **Brian Berman, MD**, Professor, Department of Family & Community Medicine, and Director, Center for Integrative Medicine, and **L. Susan Wieland, PhD, MPH**, Assistant Professor, also from Department of Family & Community Medicine and the Center for Integrative Medicine, were among the co-authors of “Acupuncture for Hip Osteoarthritis,” published in the *Cochrane Library* on May 5, 2018.



Brian Berman, MD

► **Firas El Chaer, MD**, Medical Oncology and Hematology Fellow; **Zeba Singh, MBBS**, Associate Professor; and **Ying Zou, MD, PhD**, Associate Professor, both

from Department of Pathology; **Pranshu Mohindra, MD**, Assistant Professor, Department of Radiation Oncology; **Maria Baer, MD**, Professor, and **Jennie Law, MD**, Assistant Professor, both from the Department of Medicine, were the authors of “Acute Onset Unilateral Proptosis,” e-published in the *American Journal of Medicine* on April 13, 2018.

► **J. Isabelle Choi, MD**, Assistant Professor, and **Charles Simone, II, MD**, Associate Professor, both from the Department of Radiation Oncology, were among the authors of “Utilization of Intensity-Modulated Radiation Therapy for Malignant Pleural Mesothelioma in the United States,” e-published in *Clinical Lung Cancer* on May 5, 2018.

► **Daniel Covey, PhD**, Postdoctoral Fellow in the lab of **Joseph Cheer, PhD**, Professor, both from the Department of Anatomy and Neurobiology, were first and senior authors respectively on “Inhibition of Endocannabinoid Degradation Rectifies Motivational and Dopaminergic Deficits in the Q175 Mouse Model of Huntington’s Disease,” published in the *Journal of Neuropsychopharmacology* on June 1, 2018.

► **Melissa Culligan, RN, MS**, Adjunct Instructor, and **Joseph Friedberg, MD**, the Charles Reid Edwards, MD Professor in Surgery and Division Head, both from the Department of Surgery; and **Charles Simone, II, MD**, Associate Professor, Department of Radiation Oncology, were among the authors of “A Preclinical Model to Investigate the Role of Surgically-Induced Inflammation in Tumor Responses to Intraoperative Photodynamic Therapy,” e-published in *Lasers in Surgery and Medicine* on May 25, 2018. Drs. Culligan, Friedberg, and Simone were also among the authors of “Facility Volume and Postoperative Outcomes for Malignant Pleural Mesothelioma: A National Cancer Data Base Analysis,” published in the June 2018 issue of *Lung Cancer*.



Ying Zou, MD, PhD



Joseph Friedberg, MD

► **Derik Davis, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Fatty Infiltration is a Prognostic Marker of Muscle Function After Rotator Cuff Tear,” published in the *American Journal of Sports Medicine* in May, 2018.



Derik Davis, MD

► **David Eisenman, MD**, Associate Professor, and **Ronna Hertzano, MD, PhD**, Associate Professor, both from the



David Eisenman, MD

Department of Otorhinolaryngology and **Prashant Raghavan, MD**, Associate Professor, and **Robert Morales, MD**, Assistant Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were the authors of “Evaluation and Treatment of Pulsatile Tinnitus Associated with Sigmoid Sinus Wall Anomalies,” published in *Laryngoscope* on May 14, 2018.

► **Gary Fiskum, PhD**, the M. Jane Matjasko Professor for Research and Vice Chair, Department of Anesthesiology, and **Robert Rosenthal, MD**, Professor, Department of Emergency Medicine, were co-authors of “Calcium Uptake and Cytochrome C Release from Normal and Ischemic Brain Mitochondria,” published in the July 2018 issue of *Neurochemistry International*.

► **Termeh Feinberg, PhD, MPH**, Postdoctoral Research Fellow, Center for Integrative Medicine, Department of Family & Community Medicine, was lead author of “The Complementary Health Approaches for Pain Survey (CHAPS): Validity Testing and Characteristics of a Rural Population with Pain,” published in *PloS One* on May 2, 2018

► **Robert Gallo, MD**, the Homer & Martha Gudelsky Distinguished Professor in Medicine, Director, Institute of Human Virology, and **Yutaka Tagaya, PhD**, Assistant Professor of Medicine, Institute of Human Virology, authored “Time to Eradicate HTLV-1: An Open Letter to WHO,” published in *The Lancet* on May 12, 2018.

► **Edward Herskovits, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Science to Practice: IT Solutions to Drive Standardized Report Recommendations for Abdominal Aortic Aneurysm Surveillance,” published in the *Journal of the American College of Radiology* on June 15, 2018.



Edward Herskovits, MD

► **Tami Kingsbury, PhD**, Assistant Professor of Physiology, Center for Stem Cell Biology, was last author of “Calcineurin Regulatory Subunit Calcium-Binding Domains Differentially Contribute to Calcineurin Signaling in *Saccharomyces cerevisiae*,” published in *Genetics* on May 7, 2018.

► **Melissa Konopko, PhD**, **Allison Densmore**, Laboratory Research Technician, and **Bruce Krueger, PhD**, Professor, all from the Department of Physiology, co-authored “Sexually Dimorphic Epigenetic Regulation of Brain-Derived Neurotrophic Factor in Fetal Brain in the Valproic Acid Model of Autism Spectrum Disorder,” published in *Developmental Neuroscience* on October 27, 2017.

► **Judy LaKind, PhD**, Adjunct Associate Professor, Department of Epidemiology & Public Health, was among the co-authors of “Urinary Metabolites of Volatile Organic Compounds of Infants in the Neonatal Intensive Care Unit,” published in *Pediatric Research* on May 16, 2018.



Narottam Lamichhane, PhD

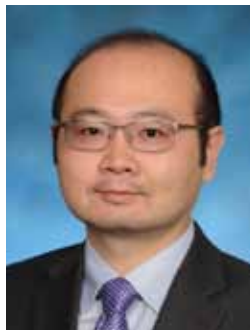
► **Narottam Lamichhane, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Dosimetric Analysis of Stereotactic Body Radiation Therapy for Pancreatic Cancer Using MR-Guided Tri-<sup>60</sup>Co Unit, MR-Guided LINAC, and Conventional LINAC-Based Plans,” e-published in *Practical Radiation Oncology* on March 1, 2018.

► **Miriam Laufer, MD**, Professor of Pediatrics and Associate Director of Malaria Research, Center for Vaccine Development and Global Health (CVD), and **Lauren Cohee, MD**, Instructor, Department of Pediatrics, CVD, wrote a commentary “Tackling Malaria Transmission in Sub-Saharan Africa,” published in *The Lancet* on April 13, 2018.



Miriam Laufer, MD

► **Guang Li, PhD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Comparison of Functional Localization Accuracy with Different Co-registration Strategies in Presurgical fMRI for Brain Tumor Patients,” published in *Medical Physics* on May 25, 2018.



Guang Li, PhD

► **Wan-Wen Liao, OT, MSc**, PhD Student, **Jill Whitall, PhD**, Professor, and **Sandy**



**Publications** *continued from page 3*

**McCombe Waller, PT, PhD, MS, NCS**, Associate Professor, all from the Department of Physical and Rehabilitation Science, along with **Joseph Barton, PhD, PE**, Assistant Professor, Department of Neurology, authored “Neural Motor Control Differs Between Bimanual Common-Goal vs. Bimanual Dual-Goal Tasks,” published in the June 2018 issue of *Experimental Brain Research*.



Sandy McCombe Waller, PT, PhD, MS, NCS

► **Jay Magaziner, PhD, MSHyg**, Professor and Chair, Department of Epidemiology & Public Health, was among the co-authors of “Identifying Research Priorities Around Psycho-Cognitive and Social Factors for Recovery from Hip Fractures: An International Decision-Making Process,” published in *Injury* on April 20, 2018.



Jay Magaziner, PhD, MSHyg

► **Andrew Malinow, MD**, Professor; **Gary Fiskum, PhD**, the M. Jane Matjasko Professor for Research and Vice Chair;



Andrew Malinow, MD

**Brian Polster, PhD**, Associate Professor; **Omar Alyamani, MD**, Instructor; **Shobana Bharadwaj, MBBS**, Assistant Professor; **Jess Gale, MD**, Assistant Professor; **Rosemary Schuh, PhD**, Research Assistant; and **Joseph Kim**, Visiting Medical Student, all from the Department of Anesthesiology; and **Sarah Crimmins, DO**, Assistant Professor, Department of Obstetrics, Gynecology and Reproductive Sciences, were co-authors of “Platelets in Preeclamptic Pregnancies Fail to Exhibit the Decrease in Mitochondrial Oxygen Consumption Rate Seen in Normal Pregnancies,” published in *Bioscience Reports* on May 8, 2018.

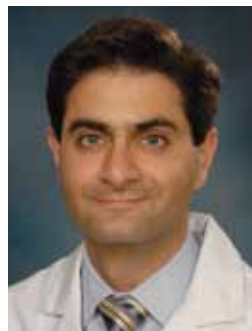
► **Maggie Matern, BSc, PhD** candidate (first author); **Yoko Ogawa, PhD**, Postdoctoral Fellow; **Nikhil Paladugu**; and **Ronna Hertzano, MD, PhD**, Associate Professor, all from the Department of Otorhinolaryngology Head and Neck Surgery, and **Yang Song, PhD**, Bioinformatician, Institute for Genome Sciences, were among the co-authors of “Transcriptomic Profiling of Zebrafish Hair Cells Using RiboTag,” published in *Frontiers in Cell and Developmental Biology* on May 1, 2018.

► **Amal Mattu, MD**, Professor, and **Michael Winters, MD**, Associate Professor, both from the Department of Emergency, were editors on the second edition of *Avoiding Common Errors in the Emergency Department*, which was published in Spanish in May 2018 by Lippincott Williams & Wilkins.



Amal Mattu, MD

► **Siamak Moayed, MD**, Assistant Professor, and **Michael Witting, MD, MS**, Associate Professor, both from the Department of Emergency Medicine, were authors of “No Radiographic Safe Margin Found in the ‘Easy IJ’ Internal Jugular Vein Procedure” in the July 2018 issue of *The Journal of Emergency Medicine*.



Siamak Moayed, MD

► **Emmanuel Mongodin, PhD**, Assistant Professor of Microbiology & Immunology, Institute for Genome Sciences, was among the co-authors of “Conventional Wastewater Treatment and Reuse Site Practices Modify Bacterial Community Structure But do Not Eliminate Some Opportunistic Pathogens in Reclaimed Water,” e-published in *Science of the Total Environment* on May 26, 2018.



Emmanuel Mongodin, PhD

► **Michael Mulligan, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the author of “How to Diagnose Enchondroma, Bone Infarct, and Chondrosarcoma,” published in *Current Problems in Diagnostic Radiology* on April 6, 2018.



Kathleen Neuzil, MD, MPH, FIDSA

► **Kathleen Neuzil, MD, MPH, FIDSA**, Professor of Medicine and Pediatrics and Director of the Center for Vaccine Development and Global Health (CVD), and **Wilbur Chen,**

**MD, MS**, Professor of Medicine, CVD, were among the co-authors of “Effective Immunization of Older Adults Against Seasonal Influenza,” e-published in the *American Journal of Medicine* on March 12, 2018. In addition, Dr. Chen, **Marcelo Szein, MD**, Professor of Medicine and Associate Director for Basic and Translational Research, CVD; and **Myron Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor of Medicine and Associate Dean for Global Health, Vaccinology, and Infectious Diseases, were among the co-authors of “Lipopolysaccharide-Specific Memory B Cell Responses to an Attenuated Live Cholera Vaccine are Associated with Protection Against *Vibrio cholerae* Infection,” published in *Vaccine* on May 11, 2018. Drs. Chen and Levine were also among the co-authors of “Anti-O-specific Polysaccharide (OSP) Immune Responses Following Vaccination with Oral Cholera Vaccine CVD 103-HgR Correlate with Protection Against Cholera After Infection with Wild-Type *Vibrio cholerae* O1 El Tor Inaba in North American Volunteers,” published in *Plos Neglected Tropical Diseases* on April 6, 2018.



Danilo Perrotti, MD, PhD

► **Danilo Perrotti, MD, PhD**, Professor, Department of Medicine, was among the co-authors of “Bone Marrow Niche Trafficking of miR-126 Controls the Self-Renewal of Leukemia Stem Cells in Chronic Myelogenous Leukemia,” published in *Nature Medicine* on March 5, 2018.

► **Jianfei Qi, PhD**, Assistant Professor, Department of Biochemistry and Molecular Biology; **Lingling Fan, PhD**, Postdoctoral Fellow; and **Songhui Xu, Dsc**, Postdoctoral Fellow, both from the Program in Oncology;

**Arif Hussain, MD**, Professor, Department of Medicine, were among the co-authors of “Histone Demethylase JMJD1A Promotes Alternative Splicing of AR Variant 7 (AR-V7) in Prostate Cancer Cells,” published in *Processing of the National Academy of Sciences of the United States of America* on April 30, 2018.



Feyruz Rassool, PhD

► **Feyruz Rassool, PhD**, Associate Professor, Department of Radiation Oncology, was among the authors of “An Effective Epigenetic-PARP Inhibitor Combination Therapy for Breast and Ovarian Cancers Independent of BRCA-Mutations,” e-published in *Clinical Cancer Research* on April 3, 2018.

► **Mohammad Sajadi, MD**, Associate Professor of Medicine, Institute of Human Virology, published an Editorial Comment in a multi-

disciplinary collaboration with **Vasken Dilsizian, MD**, Professor, and **Wengen Chen, MD, PhD**, Associate Professor, both from the Department of Diagnostic Radiology & Nuclear Medicine, titled “Targeted Bacteria-Specific 18F-Fluoro-Maltohexaose but Not FDG PET Distinguishes Infection from Inflammation,” published in the *Journal of the American College of Cardiology: Cardiovascular Imaging* on April 13, 2018.

► **Shabnam Salimi, MD, MSc**, Research Associate; **Michelle Shardell, PhD**, Adjunct Associate Professor; **Ram Miller, MDCM**, Adjunct Assistant Professor; **Ann Gruber-Baldini, PhD**, Professor; **Denise Orwig, PhD**, Associate Professor; **Jack Guralnik, MD, PhD, MPH**, and Professor; **Jay Magaziner, PhD, MSHyg**, Professor and Chair; all from the Department of Epidemiology and Public Health; and **Marc Hochberg, MD, MPH**, Professor, Department of Medicine, were among co-authors of “Soluble Tumor Necrosis Factor Alpha Receptor1, Bone Resorption and Bone Mineral Density in the Year Following Hip Fractures, the Baltimore Hip Studies,” published in *Journal of Bone Mineral Research* on May 7, 2018.

► **Charles Simone, II, MD**, Associate Professor, Department of Radiation Oncology, was among the authors of “Radiologic Pseudoprogression During Anti-PD1 Therapy for Advanced Non-Small Cell Lung Cancer,” e-published in the *Journal of Thoracic Oncology* on May 5, 2018. In addition, Dr. Simone authored “Public Health Approaches to Palliative Care” and “Symptom Control, Treatment-Induced Nausea Prophylaxis, and Palliative Radiation Therapy,” both e-published in the April 2018 issue of *Annals of Palliative Medicine*. Dr. Simone was also among the authors of “Malignant Peritoneal Mesothelioma: National Practice Patterns, Outcomes, and Predictors of Survival,” published in the July 2018 issue of *Annals of Surgical Oncology*.

► **James Snider, MD**, Assistant Professor, and **Robert Malyapa, MD, PhD**, Professor, both from the Department of Radiation Oncology, were among the authors of “Long-Term Outcomes and Prognostic



Mohammad Sajadi, MD



**Publications** *continued from page 4*

Factors After Pencil-Beam Scanning Proton Radiation Therapy for Spinal Chordomas: A Large, Single-Institution Cohort,” published in the *International Journal of Radiation Oncology, Biology, Physics* on May 1, 2018.



Flaubert Tchanchou, PhD

► **Flaubert Tchanchou, PhD**, Assistant Professor and **Gary Fiskum, PhD**, the M. Jane Matjasko Professor for Research and Vice Chair, both from the Department of Anesthesiology; **Adam Puche, PhD**, Professor, Department of Anatomy and Neurobiology; and **Thomas Blanpied, PhD**, Associate Professor, Department of Physiology, were co-authors of “Rat Model of Brain Injury to Occupants of Vehicles Targeted by Land Mines: Mitigation by Elastomeric Frame Designs” in the May 2018 issue of the *Journal of Neurotrauma*.



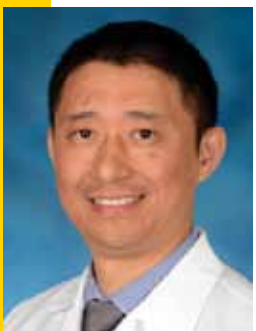
Robert Malyapa, MD, PhD

► **Michael Terrin, MDCM, MPH**, Professor, Department of Epidemiology & Public Health, was among the co-authors of “Validated UHPLC-MS/MS Method for Quantification of Doxycycline in Abdominal Aortic Aneurysm Patients,” published in *Bioanalysis* on April 10, 2018.



Michael Terrin, MDCM, MPH

► **Peng Wang, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Clinical Examination of Proton Pencil Beam Scanning on a Moving Anthropomorphic Lung Phantom,” e-published in *Medical Dosimetry* on May 11, 2018.



Peng Wang, PhD

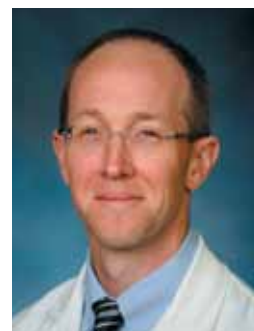
► **Thomas Weart, MD**, Medical Oncology and Hematology Fellow; **Kenneth Miller, MD**, Clinical

Associate Professor, Department of Medicine; and **Charles Simone, II, MD**, Associate Professor, Department of Radiation Oncology, were authors of “Spotlight on Dabrafenib/Trametinib in the Treatment of Non-Small-Cell Lung Cancer: Place in Therapy,” published in the *Cancer Management and Research* on April 3, 2018.

► **Kelly Westlake, PhD, MSc, PT**, Assistant Professor, and **Jill Whitall, PhD**, Professor *Emeritus*, both from the Department of Physical Therapy and Rehabilitation Science, were among the co-authors of “Handedness Results from Complementary Hemispheric Dominance, Not Global Hemispheric Dominance: Evidence from Mechanically Coupled Bilateral Movements,” published in the *Journal of Neurophysiology* on May 9, 2018.



Kelly Westlake, PhD, MSc, PT



Michael Winters, MD

► **Michael Winters, MD**, Associate Professor, Department of Emergency Medicine was a co-author of “What is The Role of Reversal Agents in the Management of Emergency Department Patients with Dabigatran-Associated Hemorrhage?” published in the April 2018 issue of *The Journal of Emergency Medicine*.

► **Hao Zhang, PhD**, Assistant Professor, and **Warren D’Souza, PhD, MBA, FAAPM**, Professor, both from the Department of Radiation Oncology, were authors of “A Treatment Planning Method for Better Management of Radiation-Induced Oral Mucositis in Locally Advanced Head and Neck Cancer,” in the March issue of the *Journal of Medical Physics*.

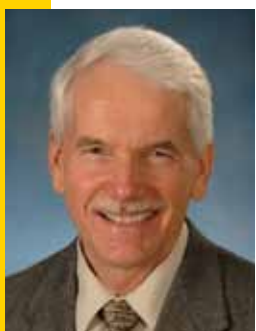


Hao Zhang, PhD

► **Jiachen Zhuo, PhD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Laplace-based Modeling of Fiber Orientation in the Tongue,” published in *Biomechanics and Modeling in Mechanobiology* on April 19, 2018.

## Grants & Contracts

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



Eugene Albrecht, PhD

► **Eugene Albrecht, PhD**, Professor, Department of Obstetrics, Gynecology and Reproductive Sciences, received a five-year \$3,152,686 grant from the National Institute of Health for “Regulation of Uterine Spiral Artery Remodeling during Primate Pregnancy.”

► **Muthukumar Gunasekaran, PhD**, Postdoctoral Fellow, Center for Vascular and Inflammatory Diseases, received a two-year, \$130,000 Postdoctoral Fellowship Grant from Maryland Stem Cell Research Fund. Dr. Gunasekaran’s study, “Donor Derived Exosomes as Non-Invasive Serum Biomarker for Immune Rejection Following Human Neonatal Cardiac Progenitor Cell Transplantation” focuses on donor derived exosomes as non-invasive serum biomarkers for immune rejection following human neonatal cardiac progenitor cell transplantation.

► **Gary Fiskum, PhD**, the M. Jane Matjasko Professor for Research and Vice Chair, Department of Anesthesiology, **Adam Puche, PhD**, Professor, Department of Anatomy and Neurobiology, and **Rao Gullapalli, PhD, MBA**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, were awarded a two-year, \$755,283 grant from the US Air Force for “MRI and Neurophysiologic Measurements during Exposure to Hypobaric after Experimental TBI.”

► **Tami Kingsbury, PhD**, Assistant Professor of Physiology, Center for Stem Cell Biology & Regenerative Medicine, received an 18-month Momentum Fellowship in the amount of \$75,000 from The Mark Foundation for Cancer Research for “Molecular Interactions of PSEDN Members in Cancer.”

► **Lauren Jackson, PhD**, Assistant Professor, Department of Radiation Oncology, was awarded a one-year subcontract for \$1,300,590 with Humanetics Corporation under National Institute of Allergy and Infectious Diseases for “An NHP Efficacy Study of BIO 300 for the Mitigation of DEARE-induced Pneumonitis and Pulmonary Fibrosis.”

► **Min Jung Kim, PhD**, Research Associate of Pediatrics, Center for Stem Cell Biology & Regenerative Medicine, received a two-year \$300,000 Discovery Grant from the Maryland Stem Cell Research Fund, TEDCO for “Reducing RAB GTPase14 to Drive *In vitro* Human Erythropoiesis.”

► **Thomas MacVittie, PhD**, Professor, Department of Radiation Oncology, through a seven-month subcontract with SRI on the National Institute of Allergy and Infectious Diseases Medical Countermeasures Against Radiological Threats contract, was awarded \$3,771,098 to “Assess the Efficacy of Filgrastim (Neupogen®) or Peg-Filgrastim (Neulasta®) on Mitigating Co-Morbidities and Mortality of Multi-Organ Injury (MOI) Associated with Concurrent GI-ARS, Prolonged GI Injury and Delayed Effects to Lung and Kidney Characteristic of the DEARE in NHP Exposed to 10 Gy Using the PBI/BM 2.5 Protocol.”

► **Rachana Mishra, PhD**, Research Associate, Department of Surgery, Center for Vascular and Inflammatory Diseases, received a two-year, \$345,000 grant from Maryland Stem Cell Research Fund 2018 Discovery Program. Dr. Mishra’s study, “Mesenchymal Stem Cells Preserve Right Ventricular Myocardium” is to interrogate molecular mechanism triggered by mesenchymal stem cells transplantation to promote reverse remodeling of the dysfunctional RV myocardium.



Matthew Trudeau, PhD

► **Matthew Trudeau, PhD**, Associate Professor and **Andrea Meredith, PhD**, Associate Professor, both from the Department of Physiology, received a five-year, \$1,044,840 competing renewal T32 training grant from the National Institute of General Medical Sciences. This inter-departmental training grant will continue support for the Training Program in Integrative Membrane Biology, inception in 1987 and now in its 31st year of continuous funding. The grant provides support for pre-doctoral training in the biophysics, biochemistry, structure, cell and molecular biology, and physiology of biological membranes, through the Graduate Program in Life Sciences.



Thomas MacVittie, PhD



Rachana Mishra, PhD



## Honors & Awards

*Congratulations to the following who have received honors!*

► **Sally Cheston, MD**, Assistant Professor, Department of Radiation Oncology, received a special Governor's Citation from Maryland Governor Larry Hogan on May 10. The award was presented to

Dr. Cheston at Central Maryland Radiation Oncology (CMRO) by Robert R. Neall, Secretary of the Maryland Department of Health, in recognition of her long-term and outstanding work in creating and sustaining a joint UM SOM/Johns Hopkins program in radiation oncology at Howard County General Hospital.

► **Adam Puche, PhD**, Professor, Department of Anatomy & Neurobiology, received the Student Council Award for Best Pre-Clinical Faculty from the University of Maryland School of Medicine Class of 2018, presented at



Adam Puche, PhD

the University of Maryland School of Medicine graduation ceremony at the Hippodrome Theatre on May 17. Dr. Puche also received the 2018 Pass and Susel Medical Education Tool Chest Award from the Pass and Susel Academy of Educational Excellence, presented at the twelfth annual Student Awards Ceremony and Dinner on May 16.

► **Shabnam Salimi, MD, MSc**, Research Associate, Department of Epidemiology & Public Health, was awarded Best Poster at the national Claude D. Pepper Older Americans Independence Center for his poster: "Soluble Tumor Necrosis Factor Alpha Receptor 1, Bone Resorption and Bone Mineral Density in the Year Following Hip Fractures: The Baltimore Hip Studies." The meeting was held in Arlington, VA in May 2018.

## New Faculty

*We welcome our new faculty!*

► **Heather Ames, MD, PhD**, joined the Department of Anatomy and Neurobiology as an Assistant Professor in May 2018. Dr. Ames was previously with Johns Hopkins School of Medicine, where she completed her R25 Research Fellowship with the National Institute of Neurological Disorders and Stroke. Dr. Ames expertise is in the evaluation of glioblastoma tumor heterogeneity, particularly as it applies to white matter invasion and unique patterns of differentiation.

► **Meredith McHugh, PhD, MSW**, joined the Department of Anatomy and Neurobiology as an Assistant Professor in May 2018. Dr. McHugh received her PhD in Psychology from Griffith University, Australia in 2010. Later that year she moved to Baltimore where she completed a postdoctoral fellowship at the National Institute on Drug Abuse, Intramural Research Program (NIDA-IRP). During her time at NIDA-IRP Dr. McHugh identified several neural circuits and large-scale brain networks involved in relapse to drug use following treatment. Dr. McHugh returned to Australia in 2015 to pursue a

Masters in Social Work. In her current appointment Dr. McHugh will support and develop an ongoing research program addressing the prevention and management of Opioid Use Disorders.

► **Fuwen Zhou, BM, MM, Dr. rer. nat.**, joined the Department of Anatomy and Neurobiology as an Assistant Professor in May 2018. Dr. Zhou received his Dr. rer.nat. in Cell Biology from the University of Rostock, Germany and was a postdoctoral fellow and research associate at the University of Tennessee. Dr. Zhou studies basal ganglia, cortex and olfactory bulb neural circuits mainly using patch clamp electrophysiological, optogenetic, chemogenetic, immunohistological, and stereotaxic techniques to investigate the neuroelectrophysiology of different neuronal types in different brain regions, and the pathophysiology of these neurons in neurological disorders.

### 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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