



## 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!*



Zubair Ahmed, PhD

► **Zubair Ahmed, PhD**, Professor, Department of Otorhinolaryngology Head and Neck Surgery, was an invited speaker in the Usher 1F Workshop, organized by Usher1F foundation, on May 12, where he presented “Development and Initial Phenotyping of Pcdh15 Knockin Mice, a Mammalian Model to Validate Therapies for Hearing and Vision Loss.”

► **Kenneth Butler, DO**, Associate Professor, Department of Emergency Medicine, presented the Grand Rounds lecture for the emergency medicine residency at Baylor College of Medicine in Houston on May 10. The title of his talk was “Ketamine Sequence Intubation.”

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, delivered two oral presentations “Detection of Device Infection and Endocarditis” and “New Tracers and Applications: Myocardial Remodeling” at the Society of Nuclear Medicine and Molecular Imaging annual scientific sessions, was held in Denver, CO, June 10–11.



Vasken Dilsizian, MD

► **Ricardo Feldman, PhD**, Associate Professor, Department of Microbiology and Immunology, gave an invited talk on “Impaired Dopaminergic Development in an iPSC Model of Gaucher Disease” at the “Recent Advances in Rare Diseases—Gaucher Disease as a Model (RARD 2017)” meeting, held in Moscow May 18–20.



Ricardo Feldman, PhD

► **Roy Film, PT, DPT, OCS, FAAOMPT**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, delivered a keynote presentation entitled “Paradigm Shifts in Orthopedic Rehabilitation” at the 2017 annual conference of the Maryland Joint Task Force on Injured Workers’ Rehabilitation in Baltimore. The talk was designed to challenge the status quo as it relates to patient management within the Workers’ Compensation system.



Roy Film, MPT, DPT, OCS, FAAOMPT

► **Matthew Frieman, PhD**, Associate Professor, Department of Microbiology and Immunology, presented “Identification and Characterization of ABL Kinase Inhibitors as Potent Inhibitors of SARS-CoV and MERS-CoV Fusion” at the Keystone Conference on Plus Strand RNA Viruses, held in May in Austin, TX.



Matthew Frieman, PhD

► **Erin Hager, PhD**, Associate Professor, Department of Pediatrics and Department of Epidemiology and Public Health, presented “Government-Academic Partnership to Enhance Wellness Policy Implementation in Maryland Schools” as part of a workshop at the 9th Biennial Childhood Obesity Conference in San Diego, CA on May 30 entitled “HEADLINE! New and Improved Wellness Policies Sweep the Nation.”



Erin Hager, PhD

► **Olga Ioffe, MD**, Professor, Department of Pathology, served as faculty for the five-day CME course “Gynecologic Pathology from A to Z,” presented by the American Society of Clinical Pathology in Seattle, WA. The 150 attendees included pathologists from around the world, including Australia, New Zealand, South America and Europe.



Olga Ioffe, MD

► **Leo Kenefic, PhD, M (ASCP) SM**, Assistant Professor, Department of Pathology, has recently become involved with the training of Infectious Disease Fellows by being a recurring contributor to bi-weekly Plate Rounds in the Microbiology Department in the University of Maryland Medical System. His lecture and hands-on training material is centered on Laboratory Medicine and pathogen identification.



Niharika Khanna, MBBS, MD, DGO

► **Niharika Khanna, MBBS, MD, DGO**, Associate Professor, Department of Family & Community Medicine, presented in a Plenary Session on Human Papillomavirus (HPV) Vaccination at the 17th Annual School Health Interdisciplinary Program (SHIP), held August 3–4 in Timonium, MD.

► **Karen Kotloff, MD**, Professor, Department of Medicine, presented “Pathogen-specific Incidence and Attributable Fractions of Etiological Agents: GEMS and VIDA by Routine Methods, by Site and Age”; “Etiology of MSD by Clinical Syndrome”; and “Impact of Vaccine Introduction on Specific Outcomes: Persistent Diarrhea (> 14 days); Growth Faltering (negative ΔHAZ); Stunting; Mortality” at the third Annual VIDA Investigator’s Meeting in Kisumu, Kenya on May 24.



Karen Kotloff, MD

► **Emmanuel Mongodin, PhD**, Assistant Professor of Microbiology & Immunology, and **Lynn Schriml, PhD**, Associate Professor of Epidemiology & Public Health, both from the Institute for Genome Sciences, led the research project “City Sampling Day Event” on June 21, as part of Global City Sampling Day. Part of the MetaSUB ([www.metasub.org](http://www.metasub.org)) international consortium sampling microbes across transit systems from 75 cities, 40 countries and 7 continents, the goal of this project is to establish a worldwide “genetic map” of microbiomes and metagenomes (all species DNA) in mass-transit systems, cities, and urban areas in order to: 1) create a global map of AMR markers in cities across the globe; 2) identify novel biosynthetic gene clusters (BCGs) that can aid drug discovery; and 3) catalog the geospatial density of microbes and organisms living on the surfaces in human cities and urban environments. Catherine E. Pugh, Mayor of Baltimore, joined them, along with post docs & staff members of IGS, including **Lauren Hittle; Silvia Beurmann, PhD; Eli McComb; Courtney Robinson; Jacob Friedman; Kalyn Ali; and Bilal Iqbal.**



► **Laurie Neely, PT, DPT, NCS**, Assistant Professor; **Linda Horn, PT, DScPT, MHS, GCS, NCS**, Assistant Professor; **Sandy McCombe Waller, PT, PhD, MS, NCS**, Associate Professor; and **Karen Gordes, PhD, DScPT, PT**, Assistant Professor; all from the Department of Physical Therapy and Rehabilitation Science, presented “Innovative Integrated Clinical Experiences: Hot Ideas for ICE” on June 22 at the annual American Physical Therapy Association’s NEXT Conference in Boston.



Laurie Neely, PT, DPT, NCS



Kathleen Neuzil, MD, MPH

► **Kathleen Neuzil, MD, MPH**, Professor of Medicine and Director, Center for Vaccine Development, was an invited speaker on “Hot Topics in Vaccinology” at ASM Microbe 2017 in New Orleans on June 4. In addition, Dr. Neuzil presented “Rotavirus Vaccine Effectiveness” and “Pan-site Analyses: Etiology and Outcomes” at the third Annual VIDA Investigator’s Meeting in Kisumu, Kenya on May 24. On May 16, Dr. Neuzil presented “Influenza

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

Biology, New Vaccination Strategies for Different Age Groups” at the Advanced Courses on Vaccinology, in Annecy, France. She was a facilitator for “Decision-making for the Evaluation and Impact Assessment of New Vaccines Introduced in Selected Countries: Safety and Effectiveness” at that same meeting.



John Papadimitriou, MD, PhD

► **John Papadimitriou, MD, PhD**, Professor, Department of Pathology, presented “New Data on Refractory Pancreas Allograft Rejection and Graft Loss” at the 2017 Banff Conference on Allograft Pathology, held March 27–31 in Barcelona, Spain. At the same session, **Stephen Bartlett, MD**, the Peter J. Angelos Professor and Chair, Department of Surgery, presented new findings regarding outcomes of pancreas transplantation with portal venous drainage vs. systemic venous drainage. This biennial conference provides the most worldwide accepted guidelines for the diagnosis and treatment of allograft pathology related issues.

► **Marcela Pasetti, PhD**, Professor, Department of Pediatrics, presented “New Methods to Monitor Immunity to Vaccine Preventable Diseases,” at the ASM Microbe 2017 meeting in New Orleans on May 4. **Myron Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor and Associate Dean for Global Health, presented “Control Strategies: Treatment as Control, Vaccines and WASH Strategies” at the same meeting. Also presenting here were **Nasrin Dilruba, MBBS, PhD**, Assistant Professor, Department of



Marcela Pasetti, PhD

Medicine, who moderated the panel “Site Presentations: DSS, HUCS, Case-control Study, VA, 60-day Follow-up”; **Irene Kasumba, PhD**, Postdoctoral Fellow, who presented “Quality Improvement Indicators/Results”; **Anna Roose, MPH**, Senior Research Project Coordinator, who presented “Rotavirus Vaccine Coverage Among Age-Eligible Children: HUCS/DSS, Cases, Controls”; **William Blackwelder PhD**, Professor, Department of Medicine, who presented “Estimates of Vaccine Effectiveness”; **Diana Lam, PhD**, Postdoctoral Fellow, who presented “New Approach to TNC Analysis; and **Ian Woods**, Senior Research Project Coordinator, who presented “Regulatory Affairs and QM.”



Jean-Pierre Raufman, MD

► **Jean-Pierre Raufman, MD**, Professor, Department of Medicine, presented the plenary lecture “Targeting M3 Muscarinic Receptors for Colon Cancer Therapy” at the

VA Research Week Symposium “Emerging Technologies Advancing Veterans’ Health Care,” held in Tampa, FL on May 23.

► **Rigoberto Sanchez, PhD, RQAP-GLP**, Assistant Professor, Department of Pathology, provided a lecture to staff/faculty from University of Maryland School of Medicine, the Johns Hopkins Hospital, and Sonavex Inc. on the US Code of Federal Regulations. The lecture addressed the specific requirements necessary to submit a formal application for the marketing approval of investigational medical devices to the FDA.



Samba Sow, MD, MS

► **Samba Sow, MD, MS**, Adjunct Professor, Department of Medicine, was on the Scientific Organizing Committee for the 11th African Rotavirus Symposium in Lilongwe, May 28–30. He also moderated a roundtable discussion on challenges as well as a plenary session during this event.

► **Roger Stone, MD, MS**, Clinical Assistant Professor, Department of Emergency Medicine, and Medical Director, Montgomery County Fire and Rescue Service, was an invited speaker for Maryland EMSCare 2017, the annual educational conference sponsored by Maryland’s Regional EMS Advisory Councils and the Maryland Institute for Emergency Medical Services Systems. The event was held in Ocean City in late April. Dr. Stone co-presented the lecture “What About ‘Reverse Specialty Centers?’: Alternative Transport Destinations That Can Receive Some of Our Lower Acuity EMS Patients.” He also was an instructor for a two-hour airway management module for paramedics, which included a surgical airway lab and hands-on training in video laryngoscopy.



Chris Wells, PhD, PT, CCS, ATC

► **Chris Wells, PhD, PT, CCS, ATC**, Associate Professor, Department of Physical Therapy and Rehabilitation Science, was a guest speaker at the Maryland Association of Ventricular Assist & Extracorporeal Symposium on May 13 in Baltimore. Her presentation was entitled, “What Have we Learned? Early Rehabilitation for Patient During ECMO Support.” She also presented “The Feasibility and Safety of Providing Early Rehabilitation and Ambulation to Adults on Percutaneous Venous to Arterial Extracorporeal Membrane Oxygenation Support” and “The Role of Rehabilitation Leadership in a Multidisciplinary Intensive Care Lung Rescue Unit: Our Experience at the University of Maryland Medical Center” at the American Thoracic Society on May 21, 2017 in Washington, DC.

## Honors & Awards

*Congratulations to the following who have received honors!*



Ashkan Emadi, MD, PhD

► **Ashkan Emadi, MD, PhD**, Associate Professor, Department of Medicine, was honored in June with the 2017 Faculty Teacher of the Year Award from the University of Maryland School of Medicine.

► **Marc Hochberg, MD, MPH, MACP, MACR**, Professor & Vice Chair, Department of Medicine, has been inducted as

President of the U.S. Bone and Joint Initiative and will serve from June 2017 through June 2019. The United States Bone and Joint Initiative (USBJI) is the U.S. National Action Network of the Global Bone and Joint Decade, a multi-disciplinary initiative targeting the care of people with musculoskeletal conditions. Its focus is on improving the quality of life of people as well as advancing the understanding and treatment of those conditions through research, prevention and education. The USBJI advocates and promotes multidisciplinary, coordinated and patient-centered care to improve the prevention, diagnosis and treatment of musculoskeletal conditions. The goals of the Initiative are to advance care and reduce the burden of disease for individuals with all forms of arthritis, spinal conditions,



Marc Hochberg, MD, MPH, MACP, MACR

impaired bone health, osteoporosis, trauma and injury, spinal deformity, pediatric musculoskeletal conditions, and rare musculoskeletal diseases.



Miriam Laufer, MD, MPH

► **Miriam Laufer, MD, MPH**, Associate Professor of Pediatrics and Director of the Division of Malaria Research, has been awarded the 2017 J. Tyson Tildon Award for Excellence in Pediatric Research.

► **Ellen Marciniak, MD**, Assistant Professor, Department of Medicine, was honored in June with the 2016–2017 Faculty Teaching Award from the University of Maryland Midtown Campus.



Ellen Marciniak, MD

► **Devang Patel, MD**, Assistant Professor, Department of Medicine, was honored with the 2017 Theodore E. Woodward Faculty Prize in Medicine in recognition of Exemplary Teaching and Patient Care.



Devang Patel, MD

# Publications

*Hats off to those who have been published!*



Gad Alon, PT, PhD

► **Gad Alon, PT, PhD**, Associate Professor Emeritus, Department of Physical Therapy and Rehabilitation Science was a co-author on “Functional Electrical Stimulation Improves Quality of Life by Reducing Intermittent Claudication” in *International Journal of Cardiology*, 2017 Sep 15;243:454-459.

► **Shahed Badiyan, MD**, Assistant Professor; **Jason Molitoris, MD, PhD**, Resident; **William Regine, MD**, Professor and the Isadore & Fannie Schneider Foxman Chair; and **Adeel Kaiser, MD**, Assistant Professor, all from the Department of Radiation Oncology, were among the co-authors on “The Role of Radiation Therapy for Pancreatic Cancer in the Adjuvant and Neoadjuvant Settings” in *Surgical Oncology Clinics of North America*, 2017 Jul;26:431-453.



Shahed Badiyan, MD



Ashraf Badros, MD

► **Ashraf Badros, MD**, Professor; **Aaron Rapoport, MD**, Professor; and **Mehmet Kocoglu, MD**, Assistant Professor, all from the Department of Medicine, along with **Olgo Goloubeva, PhD, MSc**, Professor, Department of Epidemiology & Public Health, and **Zeba Singh, MBBS**, Associate Professor, Department of Pathology, were among the co-authors on “Pembrolizumab, Pomalidomide and Low Dose Dexamethasone for Relapsed/Refractory Multiple Myeloma” in *Blood*, 2017 May 1 [Epub ahead of print].

► **Søren Bentzen, PhD, DMSc**, Professor, Department of Epidemiology and Public Health, and **Pranshu Mohindra, MD**, Assistant Professor; **Elizabeth Nichols, MD**, Assistant Professor; **Melissa Vyfhuis, MD, PhD**, Resident; and **Neha Bhooshan, MD, PhD**, Resident, all from the Department of Radiation Oncology, were among the co-authors on “Neutrophil-Lymphocyte Ratio is a Prognostic Marker in Patients with Locally Advanced (Stage IIIA and IIIB) Non-Small Cell Lung Cancer Treated with Combined Modality Therapy” in *The Oncologist*, 2017 Jun;22(6):737-742.



Søren Bentzen, PhD, DMSc



Maureen Black, PhD

► **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, Departments of Pediatrics and Epidemiology & Public Health, and **Bridget Armstrong, PhD**, Postdoctoral Fellow, Department of Pediatrics were among the co-authors on “Building Healthy Development and Behavior Among WIC Participants” in *Journal of Developmental and Behavioral Pediatrics*, 2017;8(5):347-348.

► **Stacy Buckingham-Howes, PhD**, Research Associate, Department of Neurology; **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics; and **Yan Wang, MD, DrPH**, Assistant Professor, Department of Pediatrics, were among the co-authors on “Early Maternal Depressive Symptom Trajectories: Associations with 7-year Maternal Depressive Symptoms And Child Behavior” in *Journal of Family Psychology*, 2017;31(4):387-397.

► **Marguerite Buzza, PhD**, Research Associate, Department of Physiology; **Subhradip Mukhopadhyay, PhD**, Fellow, Center for Vascular and Inflammatory Diseases; **Terez Shea-Donohue, PhD**, Professor, Department of Radiation Oncology, and **Toni Antalís, PhD**, Professor, Department of Physiology, were among the co-authors on “Inflammatory Cytokines Down-Regulate The Barrier Protective Prostate-Matriptase Proteolytic Cascade Early in Experimental Colitis” in *Journal of Biological Chemistry*, 2017 Jun 30;292(26):10801-10812.



Terez Shea-Donohue, PhD

► **Wilbur Chen, MD, MS**, Associate Professor, Department of Medicine, was among the co-authors on “Immune Plasma for the Treatment of Severe Influenza:



Wilbur Chen, MD, MS

An Open-label, Multicentre, Phase 2 Randomised Study” in *Lancet Respiratory Medicine*, 2017 Jun;5(6):500-511.

► **Natalie Davis, MD, MMSc**, Assistant Professor, Department of Pediatrics, was among the co-authors on “Assessment of Anthropometric Measurements as Predictors of Car Seat Screening Failure” in *American Journal of Perinatology*, 2017 May 22 [Epub ahead of print].

► **Steve Devience, PhD**, Postdoctoral Fellow; **Xin Lu, MS**, Research Specialist; **Elias Melhem, MD, PhD**, Professor & the Dean John M. Dennis Chairman; **Rao Gullapalli, PhD, MBA**, Professor; and **Dirk Mayer, Dr rer nat**, Associate Professor, all from the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Metabolic Imaging of Energy Metabolism in Traumatic Brain Injury Using Hyperpolarized [1-13C] Pyruvate” in *Scientific Reports*, 2017 May 15;7(1):1907.

► **Tejan Diwanji, MD**, Resident; **Pranshu Mohindra, MD**, Assistant Professor; **Melissa Vyfhuis, MD, PhD**, Resident; **James Snider, III, MD**, Resident; **Chaitanya Kalavagunta, PhD**, Assistant Professor; **Sina Mossahebi, PhD**, Physics Resident; **Jen Yu, PhD**, Assistant Professor; and **Shahed Badiyan, MD**, Assistant Professor, all from the Department of Radiation Oncology, were among the co-authors on “Advances in Radiotherapy Techniques and Delivery for Non-Small Cell Lung Cancer: Benefits of Intensity-Modulated Radiation Therapy, Proton Therapy, and Stereotactic Body Radiation Therapy” in *Translational Lung Cancer Research*, 2017 Apr;6:131-147.

► **Richard Ehrlichman, MD**, a 2016 graduate of UMMC’s emergency medicine residency; **Zachary Dezman, MD**, Assistant Professor, and **Daniel Lemkin, MD**, Assistant Professor, both from Department of Emergency Medicine, and **Jean Jeudy, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors on “Quarterly Reporting of Computed Tomography Ordering History Reduces the Use of Imaging in an Emergency Department” in *Journal of Emergency Medicine*, 2017;52[5]:684-9.

► **Termeh Feinberg, PhD, MPH**, Postdoctoral Fellow, Department of Family & Community Medicine, and Researcher, Center for Integrative Medicine, was lead author on “Potential Mediators Between Fibromyalgia and C-Reactive Protein: Results from a Large US Community Survey” in *BMC Musculoskeletal Disorders*, 2017 Jul 7;18:294.

► **Ricardo Feldman, PhD**, Associate Professor, Department of Microbiology and Immunology, and **Leelamma Panicker**, Research Associate, were among the co-authors on “Human iPSC-Derived Osteoblasts and Osteoclasts Together Promote Bone Regeneration in 3D Biomaterials” in *Scientific Reports*, 2017 May 26;6:26761.



Cara Felter, PT, DPT, MPH

► **Cara Felter, PT, DPT, MPH**, Assistant Professor, Department of Physical Therapy & Rehabilitation Science, was among the co-authors on “Characteristics of Individuals Seeking Activity-Based Restorative Therapy Following Spinal Cord Injury: A Focus On Hope” in *Neurorehabilitation*, 2017;41(1):237-240.

► **Magali Fontaine, MD, PhD**, Associate Professor, and **Lynnette Parker, MD**, Pathology Resident, were co-authors on a multi-center study entitled “The Safety of the Use of Group A Plasma in Trauma—The STAT Study” in *Transfusion*, 2017 Aug;57(8):1879-1884.

► **Aletta Frazier, MD**, Clinical Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the author of “Primary Retroperitoneal Sarcomas” in *Radiographics*, 2017 May-Jun;37(3):796.

► **Arnaud Giese, PhD**, Postdoctoral Fellow (first author); **Saima Riazuddin, PhD**, Professor; and **Zubair Ahmed, PhD**, Professor (senior author), all from the

Saima Riazuddin, PhD



Elias Melhem, MD, PhD



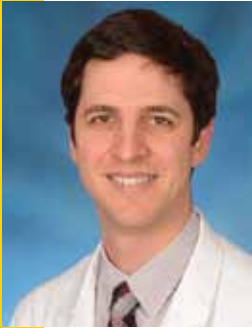
Pranshu Mohindra, MD



Magali Fontaine, MD, PhD

**Publications** *continued from page 3*

Department of Otorhinolaryngology Head and Neck Surgery, were among the co-authors on “CIB2 Interacts with TMC1 and TMC2 and is Essential for Mechanotransduction in Auditory Hair Cells” in *Nature Communication*, 2017 June 28;8:43.



Daniel Gingold, MD, MPH

► **Daniel Gingold, MD, MPH**, Clinical Instructor, Department of Emergency Medicine, was among the co-authors on “Impact of the Affordable Care Act Medicaid Expansion on Emergency Department High Utilizers with Ambulatory Care Sensitive Conditions: A Cross-Sectional Study” in *American Journal of Emergency Medicine*, 2017 May;35[5]:737-742. After ACA implementation, they found a decrease in the proportion of ED users who were high utilizers, although the number of visits by high utilizers for ambulatory care sensitive conditions remained stable.

► **Ana Lia Graciano, MD, FAAP, FCCM**, Associate Professor, Department of Pediatrics, co-authored the new *Clinical Practice Guidelines for Hemodynamic Support for Pediatric and Neonatal Septic Shock*, published by the American College of Critical Care Medicine. She also authored the book chapter “Myocardial Failure, Extracorporeal Life Support and Ventricular Assist Devices” in the new edition of Fuhrman and Zimmerman’s *Textbook of Pediatric Critical Care*.



Erin Hager, PhD

► **Erin Hager, PhD**, Associate Professor; **Hannah Lane, PhD**, Postdoctoral Fellow; and **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, all from the Department of Pediatrics, were among the co-authors on “School Wellness Team Best Practices to Promote Wellness Policy Implementation” in *Preventive Medicine*, 2017;101:34-37.

► **Cheng-Ying Ho, MD, PhD**, Assistant Professor, Department of Pathology, was first and corresponding author on “Differential Neuronal Susceptibility and Apoptosis in Congenital ZIKV Infection” in *Annals of Neurology*, 2017 Jul;82(1):121-127.

► **Michael Grasso, MD, PhD**, Assistant Professor; **Zachary Dezman, MD, MS**, Assistant Professor; and **David Jerrard, MD**, Associate Professor, all from the Department of Emergency Medicine, were among the co-authors on “Opioid Pain Medication Prescriptions Obtained Through Emergency Medical Visits in the Veterans Health Administration” in *Journal of Opioid Management*, 2017 Apr/May;13[2]:77-84.



Michael Grasso, MD, PhD

► **Brenda Hussey-Gardner, PhD, MPH**, Associate Professor, Department of Pediatrics, co-authored “Developmental Interventions in the Neonatal Intensive Care Unit: Clinical Implications” in *Recent Advances in Pediatrics*, 2017 March, 28: 85-94.



Brenda Hussey-Gardner, PhD, MPH

► **Olga Ioffe, MD**, Professor, Department of Pathology, was among the co-authors on “Nonsteroidal Anti-inflammatory Drugs and Endometrial Carcinoma Mortality and Recurrence” in *Journal of the National Cancer Institute*, 2017 Mar 1;109(3):1-10.

► **Brian Johnson, OTR/L**, Postdoctoral Fellow, and **Kelly Westlake, PhD, MSc, PT**, Assistant Professor, both from the Department of Physical Therapy & Rehabilitation Science, along with **Steven Scharf, MD, PhD**, Clinical Professor, Department of Medicine, were among the co-authors on “Targeted Memory Reactivation During Sleep, but Not Wake, Enhances Sensorimotor Skill Performance: A Pilot Study” in *The Journal of Motor Behavior*, 2017 Jun 23:1-8.



Kelly Westlake, PhD, MSc, PT

► **Niharika Khanna, MBBS, MD, DGO**, Associate Professor Family and Community Medicine, leads The Maryland Learning Collaborative’s work on Hypertension Control in community based primary care practices in Maryland. Their work was highlighted by the CDC and published in the CDC Division for Heart Disease and Stroke Prevention, Evaluation Spotlights and Strategies Field Notes in June.



Niharika Khanna, MBBS, MD, DGO

► **Karen Kotloff, MD**, Professor, Department of Pediatrics, co-authored several papers in conjunction with

the Pneumonia Etiology Research for Child Health (PERCH) study that was initiated in 2012. Other University of Maryland School of Medicine co-authors included **Samba Sow, MD, MS**, and **Milagritos Tapia, MD**. The papers were published in *Lancet Infectious Diseases* on June 2 and *Clinical Infectious Diseases* on May 27 and May 29.



Young Kwok, MD

► **Young Kwok, MD**, Associate Professor, Department of Radiation Oncology, was among the co-authors on “Duration of Androgen Deprivation in Locally Advanced Prostate Cancer: Long-Term Update of NRG Oncology RTOG 9202” in *International Journal of Radiation Oncology Biology Physics*, 2017 Jun;98:296-303.



Milagritos Tapia, MD

► **Naru Lamichhane, PhD**, Assistant Professor, Department of Radiation Oncology, was the lead author on “[18F]-fluorinated Carboplatin and [111In]-Liposome for Image-Guided Drug Delivery” in *International Journal of Molecular Sciences*, 2017 May;18:18.

► **Miriam Laufer, MD, MPH**, Associate Professor of Pediatrics and Director, Division of Malaria Research in the Institute for Global Health, was the co-author on “The Malaria TaqMan Array Card Includes 87 Assays for *Plasmodium falciparum* Drug Resistance, Identification of Species, and Genotyping in a Single Reaction” in *Antimicrobial Agents and Chemotherapy*, 2017 Apr 24;61(5).



Sung-Woo Lee, PhD

► **Sung-Woo Lee, PhD**, Assistant Professor, Department of Radiation Oncology, was among the co-authors on “Insight Gained From Responses to Surveys on Reference Dosimetry Practices” in *Journal of Applied Clinical Medical Physics*, 2017 May;18:182-190.

► **David Marcozzi, MD**, Associate Professor and Director of Population Health, Department of Emergency Medicine, and Co-Director, Program in Health Disparities and Population Health, University of Maryland School of Medicine, was among the co-authors on “Value-Based Approaches for Emergency Care in a New Era” in *Annals of Emergency Medicine*, 2017 Jun;69[6]:675-83.



David Marcozzi, MD

► **Monica McArthur, MD, PhD**, Assistant Professor, Department of Pediatrics, and **Marcela Pasetti, PhD**, Professor, Department of Medicine, were among the co-authors on “Human Immune Responses Against *Shigella* and Enterotoxigenic *E. coli*: Current Advances and the Path Forward” in *Vaccine*, 2017 May 27 [Epub ahead of print].



Monica McArthur, MD, PhD

► **Joshua McClain, MD**, a 2016 graduate of UMMC’s Emergency Medicine residency, and **Zachary Dezman, MD**, Assistant Professor, Department of Emergency Medicine, published the case report “Japanese Immigrant with Abdominal Pain” in *Journal of Emergency Medicine*, 2017 Jun;53[6]:e249-50, in which the patient had an interesting incidental finding.

► **Kathleen Neuzil, MD, MPH**, Professor of Medicine and Director, Center for Vaccine Development, co-authored “Efficacy of Maternal Influenza Vaccination Against All-cause Lower Respiratory Tract Infection Hospitalizations in Young Infants: Results from a Randomized Controlled Trial” in *Clinical Infectious Diseases*, 2017 May 29 [Epub ahead of print].

► **Jennifer O’Brien, MD, PhD**, Assistant Professor, and **Magali Fontaine, MD, PhD**, Associate Professor, both from the Department of Pathology, were among the co-authors on “Cases of Transfusion-Transmitted *Babesiosis* Occurring in Nonendemic Areas: A Diagnostic Dilemma” in *Transfusion*, 2017 Aug 7 [Epub ahead of print].



Elizabeth Parker, PhD, RD

► **Elizabeth Parker, PhD, RD**, Assistant Professor of Family & Community Medicine; **Chris D’Adamo, PhD**, Assistant Professor of Family & Community Medicine and Director of Research; and **L. Susan Wieland, PhD, MPH**, Assistant Professor of Family

**Publications** *continued from page 4*

& Community Medicine and Cochrane CAM Field Coordinator, all from the Center for Integrative Medicine, were among the co-authors on “Probiotics and Gastrointestinal Conditions: An Overview of Evidence from the Cochrane Collaboration” in *Nutrition*, 2017 Jul 6[Epub ahead of print].



Yannick Poirier, PhD

► **Yannick Poirier, PhD**, Assistant Professor, Department of Radiation Oncology, was among the co-authors on “Multi-Institutional MicroCT Image Comparison of Image-Guided Small Animal Irradiators” in *Physics in Medicine and Biology*, 2017 Jun 26;62(14):5760-5776.

► **Feyruz Rassool, PhD**, Associate Professor, Department of Radiation Oncology, was among the co-authors on “CHD4 has Oncogenic Functions in Initiating and Maintaining Epigenetic Suppression of Multiple Tumor Suppressor Genes” in *Cancer Cell*, 2017 May 8;31:653-668.



Feyruz Rassool, PhD

► **Amit Sawant, PhD**, Associate Professor, Department of Radiation Oncology, was among the co-authors on “Dose Warping Performance in Deformable Image Registration in Lung” in *Physics in Medicine*, 2017 May;37:16-23.



Amit Sawant, PhD

► **Alan Shuldiner, MD**, the John L. Whitehurst Professor of Medicine and Director of the Program for Pharmacogenomics and Genomic Medicine, and **Braxton Mitchell, PhD**, Professor, Department of Epidemiology and Public Health, were among the co-authors on “Heritability of Plasma Neopterin Levels in the Old Order Amish” in *Journal of Neuroimmunology*, 2017 Jun 15;307:37-41. Dr. Mitchell was also among the co-authors on “Aneurysms with Persistent Patency After Treatment with the Pipeline Embolization Device” in *Journal of Neurosurgery*, 2017 Jun;126(6):1894-1898.



Alan Shuldiner, MD

► **Eliot Siegel, MD**, Professor, from the Department of Diagnostic Radiology and Nuclear Medicine, was the co-author of “Storing Medical Images in the Digital Age: The Need for Universal and Technologically Appropriate Guidelines” in *Journal of the American College of Radiology*, 2017 Jun;14(6):752-754.



Eliot Siegel, MD

► **Charles Simone, II, MD**, Associate Professor, Department of Radiation Oncology, was among the co-authors on “Immunotherapy and Radiation Therapy for Malignant Pleural Mesothelioma,” in *Translational Lung Cancer Research*, 2017 Apr;6:212-219. In the same issue, he was also among the co-authors on “Harnessing the Potential Synergy of Combining Radiation Therapy and Immunotherapy for Thoracic Malignancies” (2017 Apr;6:109-112) and on “Integrating Immunotherapy Into Chemoradiation Regimens for Medically Inoperable Locally Advanced Non-Small Cell Lung Cancer” (2017;6:113-118). He was also the co-author on “Stereotactic Body Radiation Therapy for Metastases to the Kidney in Patients with Non-Small Cell Lung Cancer: A New Treatment Paradigm for Durable Palliation” in *Annals of Palliative Medicine*, 2017 Apr;6:96-103, and the author of “Reply to J.P. Gross et al.” in *Journal of Clinical Oncology*, 2017 May 8 [Epub ahead of print].



Charles Simone, II, MD

► **Vicki Tepper, PhD**, Associate Professor, Department of Pediatrics; **Stefanie Zaner, MS-II**; and **Patrick Ryscavage, MD**, Assistant Professor, Department of Medicine, co-authored “HIV Healthcare Transition Outcomes Among Youth in North America and Europe: A Review” in *Journal of the International AIDS Society*, 2017 May 16;20(Suppl 3):60-70.

► **Vassiliy Tsytysarev, PhD**, Postdoctoral Fellow, and **Reha Erzurumlu, PhD**, Professor, both from the Department of Anatomy and Neurobiology, were among the co-authors on “Quantum Dot-Peptide-Fullerene Bioconjugates for Visualization of in Vitro and in Vivo Cellular Membrane Potential” in *ACS Nano*, 2017 Jun 27;11(6):5598-5613. This paper was featured on the cover. Both

faculty members were also among the co-authors on “Behavioral Consequences of a Bifacial Map in the Mouse Somatosensory Cortex” in *Journal of Neuroscience*, 2017 Jul 26;37(30):7209-7218.

► **Li-Qun Zhang, PhD**, Professor, Department of Physical Therapy & Rehabilitation Science, was a co-author on “Improvement in Offaxis Neuromuscular Control Under Slippery Conditions Following 6-Week Pivoting Neuromuscular Training” in *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 2017 May 18 [Epub ahead of print].

► **Amal Mattu, MD**, Professor, Department of Emergency, is the editor-in-chief of the second edition of *Avoiding Common Errors in the Emergency Department*, a 365-chapter book published by Wolters Kluwer in April. He was joined in this project by many other members of the Emergency Medicine faculty. **Michael Winters, MD**, Associate Professor, served as one of the cover editors. The associate editors included **Joseph Martinez, MD**, Associate Professor; **Semhar Tewelde, MD**, Assistant Professor; **R. Gentry Wilkerson, MD**, Assistant Professor; and **George Willis, MD**, Associate Professor.



Amal Mattu, MD

Chapter contributors and their topics are listed below:

- **Rory Spiegel, MD**, Clinical Instructor: Rapidly Reverse Life-Threatening Hemorrhage in the Patient Taking an Oral Anticoagulant Medication, chapter 46.
- **Maite Anna Huis in 't Veld, MD**, Cardiovascular Emergencies Fellow, and **Semhar Tewelde, MD**, Assistant Professor: One and Done: Rapid Rule-Out Protocols, chapter 63.
- **Christina Tupe, MD**, Clinical Instructor: When Good VADs Go Bad, chapter 65, and Don't Stress the Stress Test in Suspected ACS, chapter 66.
- **Carmen Avendano, MD**, Emergency Medicine/Pediatrics Resident, and **Semhar Tewelde, MD**, Assistant Professor: Remember to Obtain a Right-Sided Electrocardiogram in a Patient with an Inferior Myocardial Infarction, chapter 67, and Pearls in Syncope ECG Interpretation, chapter 75.
- **Stephen Lee, MD**, Assistant Professor: Pitfalls in Hypertensive Emergencies, chapter 68.
- **Kathleen Stephanos, MD**, Emergency Medicine Resident (Class of 2016), and **Semhar Tewelde, MD**, Assistant Professor: Know the Differential for ST-Segment Elevation: It's More Than Just Acute Coronary Syndrome, chapter 69, and Do Not Rely on a Single ECG to Evaluate Chest Pain in the ED, chapter 70.
- **Anthony Roggio, MD**, Emergency Medicine Resident (Class of 2015): Know How to Diagnose Acute MI in Patients with an LBBB or Pacemaker, chapter 71.
- **Semhar Tewelde, MD**, Assistant Professor: Getting Ahead of Cardiogenic Pulmonary Edema: Aggressive Nitroglycerin Usage, chapter 72.
- **Omoyemi Adebayo, MD**, Emergency Medicine Resident (Class of 2015): Know How to Differentiate Cardiac versus Noncardiac Causes of Syncope, chapter 74.
- **Nicole Cimino-Fiallos, MD**, Emergency Medicine Resident, and **Wan-Tsu Wendy Chang, MD**, Assistant Professor: Do Not Over Treat Hypo- or Hypernatremia, chapter 115.
- **Kimberly Boswell, MD**, Assistant Professor: Know the Indications for Bicarbonate Therapy, chapter 120.
- **Kami Hu, MD**, Instructor, and **Joseph Martinez, MD**, Associate Professor: Avoid Relying on the Presence of SIRS to Diagnose Sepsis, chapter 159.
- **Adeolu Ogundodede, MD**, Emergency Medicine/Internal Medicine Resident, and **Joseph Martinez, MD**, Associate Professor: The Don't Miss Diagnosis: Acute Retroviral Syndrome, chapter 162.
- **Stephen Shaheen, MD**, Emergency Medicine Resident (Class of 2016), and **Jon Mark Hirshon, MD, MPH, PhD**, Professor: Recognize the Presentation of Bioterrorism Agents, chapter 164.
- **Sarah Dubbs, MD**, Clinical Assistant Professor: Staphylococcal Toxic Shock Syndrome: Do Not Hesitate—Resuscitate, chapter 165.
- **Priya Kuppusamy, MD**, Clinical Assistant Professor: Predict the Unpredictable: Preterm Labor, chapter 203, and Stable is the New Abnormal: Beware the Normal Vital Signs in Pregnancy, chapter 205.
- **Michelle Callahan, MD**, Clinical Instructor: Do Not Forget to Administer Steroids in Patients with Acute Asthma Exacerbations, chapter 231.
- **Terrence Mulligan, DO, MPH**, Professor: ACS the Geriatric Patient: Atypical is Typical Treatment Differences in ACS in the Geriatric Patient, chapter 331.
- **Danya Khouja, MBBS**, Assistant Professor: A Normal Physical Exam Does Not Exclude Infections in the Geriatric Patient, chapter 337.
- **R. Gentry Wilkerson, MD**, Assistant Professor: Plantar Puncture Wound Perils and Pitfalls, chapter 345.
- **Feras Khan, MD**, Clinical Assistant Professor: Do Not Believe the Adage That Epinephrine Cannot Be Used for Digital Blocks, chapter 346.

## Grants & Contracts

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



Toni Antalis, PhD

► **Toni Antalis, PhD**, Professor of Physiology, Center for Vascular and Inflammatory Diseases, received a five-year, \$1,767,095 new R01 grant from the National Institute of Health (NIH)/National Cancer Institute (NCI). Dr. Antalis' study, "Protease Activated Receptor-2 (PAR-2) Signaling and Metastatic Ovarian Cancer," will elucidate a newly discovered proteolytic pathway that regulates ovarian tumor angiogenesis. It is anticipated that data generated from this study will bring better understanding of which could provide new strategies for controlling this devastating disease.

► **Zubair Ahmed, PhD**, Professor, Department of Otorhinolaryngology Head and Neck Surgery, received a \$125,000 research award from the Usher 1F foundation for his work on Pcdh15 animal models.



Zubair Ahmed, PhD

► **Eileen Barry PhD**, Professor of Medicine, Center for Vaccine Development (CVD), and **Wilbur Chen, MD, MS**, Associate Professor of Medicine, CVD, received a three-year, \$2.5 million grant from the National Institute of Allergy and Infectious Diseases for "Good Manufacturing Practices Master Cell and Working Cell Banks and GMP Pilot Lot of Prototype *Shigella flexneri* 2a Live Vector Expressing Enterotoxigenic *E. coli* Antigens."



Eileen Barry, PhD

► **Robert Christenson, PhD**, Professor, Department of Pathology, received a one-year, \$225,738 grant from Siemens Healthcare Diagnostics, Inc. for "Specimen Collection in the Emergency Department for the Assessment of Clinical Performance of Troponin Assays."

► **Ricardo Feldman, PhD**, Associate Professor, Department of Microbiology and Immunology, is the recipient of a \$100,000 Research Grant from the Children's Gaucher Research Fund for "A Novel Ipsc-Based System to Elucidate the Molecular Mechanisms Leading to Neuronopathic Gaucher Disease."

► **Sharon Hoover, PhD**, Associate Professor, Department of Psychiatry, received a four-year award from Kaiser Permanente in the amount of \$793,738 to conduct a national evaluation of their Thriving Schools, Trauma-Informed Schools Initiative.

► **Miriam Laufer, MD, MPH**, Associate Professor of Pediatrics and Director of the Division of Malaria Research, and **Christiana Cairo, PhD**, Associate Professor of Medicine, Institute for Human for Virology, were awarded a five-year, \$2 million UO1 grant from the Eunice Kennedy Shriver National Institute of Child Health and Human Development for "The Impact of In Utero HIV Exposure on Infant T and B Cell Responses in Malawi."

► **Iris Lindberg, PhD**, Professor, Department of Anatomy and Neurobiology, received a five-year, \$2.1 million R01 grant from the National Institute on Drug Abuse (NIDA) for "Opioid Peptide Synthesizing Enzymes."



Iris Lindberg, PhD



Henry Silverman, MD, MA

► **Henry Silverman, MD, MA**, Professor, Department of Medicine, received a five-year, \$1,242,000 grant from the Fogarty International Center of the National Institute of Health for "Developing a Master's Degree Program in Myanmar." **Myaing Nyunt, MD, MPH, PhD**, Assistant Professor of Medicine and Director of Institute for Global Health-Myanmar, is a PI on this grant.

## Appointments

*We applaud our colleagues on their recent appointments!*

► **Robert Christenson, PhD**, Professor, Department of Pathology, was named Editor in Chief for the *Journal of Applied Laboratory Medicine*, a peer-review publication of the American Association for Clinical Chemistry (AACC). Dr. Christenson was also named to Chair the Workgroup for Cardiac Troponin I Standardization, by the International Federation for Clinical Chemistry and Laboratory Medicine. This workgroup will interact with NIST in the USA, the IRMM in Europe, and other international metrology groups toward producing and validating a reference material that will be used to standardize and harmonize cardiac troponin I values reported worldwide.

► **Olga Ioffe MD**, Professor, Department of Pathology, has been appointed Editor-In-Chief of the *American Journal of Surgical Pathology: Reviews and Reports Journal*.

► **Leo Kenefic, PhD, M (ASCP) SM**, Assistant Professor, Department of Pathology, has been appointed to serve on the Advisory Board for the Baltimore City Community College's Life Science Institute.



Olga Ioffe, MD

## Research Communications Network

*Many thanks to the following people who serve as your liaisons for the information you see in What's the Buzz? Please send information (within the realm of the categories listed here) that you would like to see in the Buzz to the appropriate person within your department, program, center or office.*

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**Attention all SOM Medical, Allied Health and Graduate Students!**

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A hyperlink is available on the School of Medicine Website for you to submit information to the *Buzz* to acknowledge honors, prizes, presentations, leadership positions and other noteworthy accomplishments. Go to: [http://medschool.umaryland.edu/Public\\_Affairs/buzz.asp](http://medschool.umaryland.edu/Public_Affairs/buzz.asp)