



What's the Buzz?

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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!



► Faculty from the Division of Translational Radiation Sciences (DTRS) in the Department of Radiation Oncology hosted visiting colleagues from the Taipei Medical University Hospital and Cancer Center, and the Taipei Veterans General Hospital

in Taiwan, November 18–20, 2018. **Zeljko Vujaskovic, MD, PhD**, Professor, and **Isabel Jackson, PhD**, Associate Professor, led the nine visiting scientists and physicians in discussions about the clinical and translation research programs in radiation sciences at Maryland. The group toured the DTRS labs as well as the Maryland Proton Treatment Center, with a special focus on the new clinical hyperthermia program.



Gad Alon, PT, PhD

► **Gadi Alon, PT, PhD**, Associate Professor Emeritus, Department of Physical Therapy and Rehabilitation Science, attended the 22nd Annual Conference of the International Functional Electrical Stimulation Society (IFESS), August 28–31, 2018, where he presented a workshop titled, “FES in Pediatrics.”

► **Nariman Balenga, PhD**, Assistant Professor, Department of Surgery, was invited to give a talk at the ninth Adhesion GPCR Workshop in Portland, Ore. His presentation was titled, “Signaling and Trafficking of GPR64/ADGRG2 are Regulated by Its N-Terminal Fragment and Tethered Peptide.”



Nariman Balenga, PhD

► **James Borrelli, PhD**, Postdoctoral Fellow, Department of Physical Therapy and Rehabilitation Science, presented a poster titled, “Perturbation-Evoked Lateral Steps in Older Adults: Why Take Two Steps When One Will Do?” at the American Society of Biomechanics (ASB) Conference in Rochester, Minn., August 8–12, 2018. **Mary Rodgers, PT, PhD, FAPTA, FASB, FISB**, Professor Emeritus, also from the Department of Physical Therapy and Rehabilitation Science, and an ASB Fellow, was a Women in Science session chair, and co-authored the poster: “Mechanical Demand Imposed on the Shoulder During Propulsion in the Community” at the conference.



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

► **Peter Bowman, PT, DPT, FAAOMPT**, Assistant Professor, and **Alisa Pravdo, PT, DPT, FAAOMPT**, Assistant Professor, both from the Department of Physical Therapy and Rehabilitation Science, were co-authors on a poster presentation titled, “A Multimodal Treatment Approach Applying Manual Therapy and Strengthening Following Cerebrovascular Accident: A Case Report” at the American Academy of Orthopaedic Manual Physical Therapists Annual Conference, which was held in Reno, Nev., November 7–11, 2018.



Peter Bowman, PT, DPT, FAAOMPT

► **Vincent Conroy, PT, DScPT**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, presented a talk on November 7, 2018, to Sinai Hospital’s PM&R residents titled, “Anatomical Review of the Lower Extremity: Clinical Implications?” The event was coordinated by Sinai PM&R Chief Resident, Dr. Paige Harrison.



Vincent Conroy, PT, DScPT

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



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

Therapy and Rehabilitation Science, was an invited speaker and content expert at the second annual National Opioid Crisis Community Summit at the Aberdeen Proving Ground in Maryland on December 11, 2018. He presented a short talk titled, “Nonpharmacological Pain Management: Transforming Care to Combat the Opioid Crisis” and led a workshop to find actionable solutions to the opioid crisis on the local, state, and national levels. In attendance at the Summit were US Surgeon General Jerome Adams, Lt. Gov. Boyd Rutherford, and a group of over 300 health care professionals, policymakers, military leaders, state politicians, and community leaders.

► **Robert Gallo, MD**, the Homer & Martha Gudelsky Distinguished Professor in Medicine, Co-Founder and Director, Institute of Human Virology, presented the keynote lecture on January 28, 2019, titled “HIV/AIDS: Lessons from the Past; Prospects for the Future,” at the Feodor Lynen Lecture and receive the Feodor Lynen Medal during the Miami Winter Symposium 2019 Evolving Concepts in HIV and Emerging Viral Infections hosted by the University of Miami. The prestigious lecture has been given by 28 then or future Nobel Laureates.



Robert Gallo, MD

► The Department of Physical Therapy and Rehabilitation Science was well represented at the 2018 Annual Conference of the American Physical Therapy Association (APTA) of DC and Maryland, held on November 3, 2018. **Linda Horn, PT, DScPT, MHS, GCS, NCS**, Assistant Professor, presented “Balance Interventions for Older Adults.” **Victoria Marchese, PT, PhD**, Associate Professor, presented a poster titled, “Exploring Lower Extremity Force Modulation While Jumping with Childhood Leukemia Cancer Survivors.” **Sandra McCombe Waller, PT, PhD, MS, NCS**, Associate Professor, a co-author on a poster presentation, was awarded 1st Place for, “Sequencing Bilateral Proximal and Unilateral Task Oriented Arm Training Improved Arm and Hand Function in Patients with Moderate Severity Chronic Hemiparesis.”



Linda Horn, PT, DScPT, MHS, GCS, NCS



Isabel Jackson, PhD

► **Isabel Jackson, PhD**, Associate Professor, Department of Radiation Oncology, was an invited speaker at the Nuclear Security Summit at Georgetown 2018, held at the Georgetown Medical School in Washington, D.C. on December 11, 2018. Dr. Jackson presented “Neurocognitive Effects of Radiation Exposure Amongst First Responders and Long-Term Survivors in a Radiological or Nuclear Disaster.”

► **Brian Johnson, OTR/L**, Occupational Therapist, Graduate Research Assistant, Department of Physical Therapy and Rehabilitation Science, attended The American Society of Neurorehabilitation Annual Meeting in San Diego, Calif., October 31–November 2, 2018, where he presented a poster titled, “Acoustic Stimulation During a Daytime Nap to Enhance Sensorimotor Skill Performance in Older Adults with and without a History of Stroke.”



Pranshu Mohindra, MD, MBBS

► **Kelly Westlake, PhD, MSC, PT**, Assistant Professor, also from the Department of Physical Therapy and Rehabilitation Science, was a co-author.

► **Pranshu Mohindra, MD, MBBS**, Assistant Professor, Department of Radiation Oncology, was a speaker at the Particle Therapy Co-Operative Group North America Seminar Series on Advanced Clinical Particle Therapy

Events, Lectures & Workshops *continued from page 1*

on November 30 and December 1, 2018 at the Winship Cancer Institute at Emory University, Atlanta, Ga. His presentation focused on “Mediastinal Lymphoma: Immobilization, Motion Management & Treatment Planning from Passive Scatter to Multifield Optimization with PBS.”



Christa Nelson, PT, DPT, PhD

► **Christa Nelson, PT, DPT, PhD**, Assistant Professor; **Peter Bowman, PT, DPT, FAAOMPT**, Assistant Professor; and **Odessa Addison, DPT, PhD**, Assistant Professor; all from the Department of Physical Therapy and Rehabilitation Science, were co-authors on a poster presentation titled, “Multi-Modal Physical Therapy Management of an Ultra-Runner Athlete Post-Meniscectomy: A Case Report” at the American Academy of Orthopaedic Manual Physical Therapists Annual Conference which was held in Reno, Nev., November 7–11, 2018. Also at that conference, **Alisa Pravdo, PT, DPT, FAAOMPT**, Assistant Professor, and **Roy Film, PT, DPT, OCS, FAAOMPT**, Assistant Professor, both from the Department of Physical Therapy and Rehabilitation Science, were co-authors on a poster presentation titled, “Lumbar Rotation-Extension Syndrome: Correction of Faulty Movement Patterns in a 24-Year-Old Patient with Low Back Pain.”

► **Lynn Schriml, PhD**, Associate Professor of Epidemiology & Public Health, Institute for Genome Sciences, was an invited keynote speaker for the 11th Hellenic Bioinformatics Conference: Genome



Lynn Schriml, PhD

Informatics Precision Medicine & Clinical Omics—in a World of Data Economies, held November 15–18, 2018, in Thessaloniki, Greece. Dr. Schriml’s presentation was titled, “International Microbiome Data Coordination and Consortium Studies.”

► At the American College of Radiation Oncology Proton Therapy Symposium, held December 1–2, 2018 at the Miami Cancer Institute, Miami, Fla., **Charles Simone, II, MD**, Associate Professor, Department of

Radiation Oncology, presented “Evidence Based Proton Therapy: Current Data, Enrolling Trials, and Future Directions;” “Clinical Outcomes and Treatment Planning for Proton Reirradiation: A New Chance of Cure;” and “The Importance of Clinical Research in Proton Therapy: Update from the Proton Collaborative Group.” **Mark Mishra, MD**, Associate Professor, also from the Department of Radiation Oncology, presented “Patient Selection and Cost-Effective Utilization of Proton Therapy,” at the same meeting.

► **Ivana Vucenik, PhD**, Associate Professor, Department of Medical and Research Technology, presented a keynote lecture titled, “Anticancer Action of Inositol and Inositol Hexaphosphate,” at the third International Symposium on Rice Science in Global Health, in Kyoto, Japan, from November 29–30, 2018.



Ivana Vucenik, PhD

Publications

Hats off to those who have been published!

► **Gadi Alon, PT, PhD**, Associate Professor Emeritus, Department of Physical Therapy and Rehabilitation Science, authored “Functional Electrical Stimulation (FES): Clinical Successes and Failures to Date,” which was published in the November 2018 issue of the *Journal of Novel Physiotherapy and Rehabilitation*.



Neha Amin, MD

► **Neha Amin, MD**, Assistant Professor; **Manuj Agarwal, MD**, Assistant Professor; and **Narottam Lamichhane, PhD**, Assistant Professor; all from the Department of Radiation Oncology, authored “Checkpoint Inhibition: Will Combination with Radiotherapy and Nanoparticle-Mediated Delivery Improve Efficacy?” which was e-published in *Medicines (Basel)* on October 23, 2018.

► **Uttam Bodanapally, MBBS**, Assistant Professor; **David Dreizin, MD**, Assistant Professor; **Kathirkama Shanmuganathan, MBBS**, Professor; **Guang Li, PhD**, Assistant Professor; and **Thorsten Fleiter, MD**, Associate Professor; all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Dual-Energy CT Imaging of Head: Virtual High Energy Monochromatic (190keV) Images are More Reliable Than Standard 120 kV Images for Detecting Traumatic Intracranial Hemorrhages,” which was published in the *Journal of Neurotrauma* on October 17, 2018.

► **Mary Bollinger, DO**, Professor, Department of Pediatrics, was among the co-authors of “Association Between Second Hand Smoke (SHS) Exposure and Caregiver Stress in Children with Poorly Controlled Asthma,” which was published in *Journal of Asthma* on October 11, 2018.



Mary Bollinger, DO

► **Svetlana Chapoval, MD, PhD**, Visiting Assistant Professor, Department of Microbiology and Immunology, Center for Vascular and Inflammatory Diseases, served as a scientific editor for *Dendritic Cells*. The book was published by InTechOpen on November 5, 2018. Dr. Chapoval also was the author of an introductory chapter in this book.



Svetlana Chapoval, MD, PhD

► **Rong Chen, PhD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Oridonin-Loaded and GPC1-



Rong Chen, PhD

Targeted Gold Nanoparticles for Multimodal Imaging and Therapy in Pancreatic Cancer,” which was published in the *International Journal of Nanomedicine* on October 24, 2018.



Wengen Chen, MD, PhD

► **Wengen Chen, MD, PhD**, Associate Professor, and **Vasken Dilsizian, MD**, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, published a state-of-the-art review article in a multi-disciplinary collaboration with **Mohammad Sajadi, MD**, Associate Professor of Medicine, Institute of Human Virology, titled “Merits of FDG PET/CT and Functional Molecular Imaging Over Echocardiography and CT Angiography for the Diagnosis of Cardiac Device Infections,”

which was published in the November 2018 issue of the *Journal of the American College of Cardiology: Cardiovascular Imaging* 2018.

► **Robert Creath, PhD**, Assistant Professor, and **Mark Rogers, PT, PhD, FAPTA**, the George R. Hepburn Dynasplint Professor, both from the Department of Physical Therapy and Rehabilitation Science, were co-authors of “Effects of Aging on Hip Abductor-Adductor Neuromuscular and Mechanical Performance During the Weight Transfer Phase of Lateral Protective Stepping,” which was published in the *Journal of Biomechanics* on January 3, 2019.

► **Zachary Dezman, MD, MS**, Assistant Professor, Department of Emergency Medicine; **Gordon Smith, MB, ChB, MPH**, Adjunct Professor, Department of Epidemiology & Public Health; **Peter Hu, MS, PhD**, Associate Professor, Department of Anesthesiology; **Colin Mackenzie, MB, ChB**, Professor Emeritus, Department of Anesthesiology; **Thomas Scalea, MD**, The Honorable Francis X. Kelly Distinguished Professor in Trauma Surgery; and **Jon Mark Hirshon, MD, PhD, MHS**, Professor, Department of Emergency Medicine, authored “Repeat Lactate Level Predicts Mortality Better Than Rate of Clearance,” which was published in the November 2018 issue of the *American Journal of Emergency Medicine*. The statistician for this project was **Angela Comer, MS**, formerly affiliated with the National Study Center for Trauma and Emergency Medical Systems.

► **Vasken Dilsizian, MD**, Professor, and **Eliot Siegel, MD**, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were co-authors of “Machine Meets Biology: A Primer on Artificial Intelligence in Cardiology and Cardiac Imaging,” which was published in the October 2018 issue of *Current Cardiology Reports*. Dr. Siegel was also a co-author of



Vasken Dilsizian, MD

Publications *continued from page 2*

“Will Machine Learning End the Viability of Radiology as a Thriving Medical Specialty?” which was published in the November 2018 issue of the *British Journal of Radiology*.



John Eley, PhD

▶ **John Eley, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Spatially Fractionated Proton Minibeams,” which was e-published in the *British Journal of Radiology* on October 25, 2018.

▶ **Thomas Ernst, Dr rer nat**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Propensity for Intra-Abdominal and Hepatic Adiposity Varies Among Ethnic Groups,” which was published in *Gastroenterology* on November 13, 2018.

▶ **Cara Felter, PT, DPT, MPH**, Assistant Professor, and **Kelly Westlake, PhD, MSc, PT**, Assistant Professor, both from the Department of Physical Therapy and Rehabilitation Science, were co-authors on “Use of a Patient-Educator to Train Doctor of Physical Therapy Students Regarding Sexuality and Disability,” which was published in the November 2018 issue of the *Journal of Humanities in Rehabilitation*.



Kelly Westlake, PhD, MSc, PT

▶ **Jeffrey Galvin, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Interstitial Lung Disease and Pulmonary Fibrosis: A Practical Approach for General Medicine Physicians with Focus on the Medical History,” which was published in the *Journal of Clinical Medicine* on November 24, 2018.



Jeffrey Galvin, MD

▶ **Rao Gullapalli, PhD, MBA**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Lifetime Discrimination Burden, Racial Discrimination, and Subclinical Cerebrovascular Disease Among African Americans,” which was published in *Health Psychology* on November 26, 2018.



Rao Gullapalli, PhD, MBA

▶ **Brenda Hanna-Pladdy, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Audiovisual Lexical Retrieval Deficits Following Left Hemisphere Stroke,” which was published in *Brain Sciences* on November 28, 2018.



Brenda Hanna-Pladdy, PhD

▶ **Rupal Jain, MD**, Third-Year Resident, and **Wan-Tsu Chang, MD**, Assistant Professor, both from the Department of Emergency Medicine, were among the authors of “Emergency Department Approach to the Patient with Suspected Central Nervous System Infection,” which was published in the November 2018 issue of *Emergency Medicine Clinics of North America*.

▶ **Chris Johnstone, PhD**, Medical Research Physicist, Department of Radiation Oncology, was the lead author of “Characterization of a Plastic Scintillating Detector for the Small Animal Radiation Research Platform (SARRP),” which was published in *Medical Physics* on November 12, 2018.

▶ **Dongwon Kim, PhD**, Visiting Research Fellow, Department of Physical Therapy and Rehabilitation Science, was a co-author of “The Center of Pressure and Ankle Muscle Co-Contraction in Response to Anterior-Posterior Perturbations,” which was published in *PLOS One* on November 29, 2018.

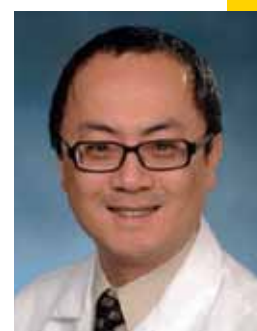


Jane Kim, MD

▶ **Jane Kim, MD**, Assistant Professor, and **Jennifer Son, MD**, Assistant Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Identification of Clinical Parameters to Increase the Diagnostic Yield of the Non-emergent Upper Gastrointestinal Series in Pediatric Outpatients,” which was published in *Pediatric Radiology* on October 24, 2018.

▶ **Kyung Koh, PhD**, Postdoctoral Fellow, Department of Physical Therapy and Rehabilitation Science, was the first author of “Intra-Auditory Integration Between Pitch and Loudness in Humans: Evidence of Super-Optimal Integration at Moderate Uncertainty in Auditory Signals,” which was published in *Scientific Reports* on September 12, 2018.

▶ **Young Kwok, MD**, Associate Professor, Department of Radiation Oncology, was among the authors of “Patterns of Proton Therapy Use in Pediatric Cancer Management in 2016: An International Survey,” which was published in *Radiotherapy and Oncology* on November 2018. Dr. Kwok was also among the authors of “Using the Patient-Reported Outcomes Measurement Information System (PROMIS) to Measure Symptom Burden Reported by Patients with Brain Tumors,” which was e-published in *Pediatric Blood and Cancer* on November 14, 2018.



Young Kwok, MD

▶ **Megan Lange, DNP, ACNP-BC**, Acute Care Nurse Practitioner, Neurocritical Care Unit, University of Maryland Medical Center; **Neeraj Badjatia, MD, MS**, Professor, Department of Neurology; and **Wan-Tsu Chang, MD**, Assistant Professor, Department of Emergency Medicine, were among the authors of “Implementation of a Clinical Pathway to Reduce Rates of Postextubation Stridor,” which was published in the October 2018 issue of *Critical Care Nurse*.



Miriam Laufer, MD

▶ **Miriam Laufer, MD**, Associate Professor of Pediatrics and Associate Director for Malaria Research, Center for Vaccine Development and Global Health, is the corresponding author of “A Randomized, Controlled Clinical Trial of Chloroquine as Chemoprophylaxis or Intermittent Preventive Therapy to Prevent Malaria in Pregnancy in Malawi,” which was accepted for publication in the *Lancet*.

▶ **Javed Mahmood, PhD**, Assistant Professor; **Sandrine Soman**, Laboratory Research Specialist; **Santanu Samanta, MD, MBBS**, Resident; **Ali Saeed, MD**, Resident; **Neha Amin, MD**, Assistant Professor; and **Zeljko Vujaskovic, MD, PhD**, Professor; all from the Department of Radiation Oncology, were among the authors of “Immunotherapy, Radiotherapy, and Hyperthermia: A Combined Therapeutic Approach in Pancreatic Cancer Treatment,” which was published in *Cancers* on November 28, 2018.



Javed Mahmood, PhD



Dirk Mayer, Dr rer nat

▶ **Dirk Mayer, Dr rer nat**, Associate Professor, and **Amelia Wnorowski, MD**, Assistant Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Hyperpolarized ¹³C Magnetic Resonance Imaging, Using Metabolic Imaging to Improve the Detection and Management of Prostate, Bladder, and Kidney Urologic Malignancies,” which was published in the October 2018 issue of *Translational Andrology and Urology*.

▶ **Amal Mattu, MD**, Professor, Department of Emergency Medicine, was a co-author of the case report “Elderly Man with Chest Pressure,” which was published in the November 2018 issue of *Annals of Emergency Medicine*.

▶ **Sarah McAvoy, MD**, Assistant Professor, Department of Radiation Oncology, was a co-author of “Reply to: Insufficient Number of Examined Lymph Nodes May Offset the Survival Benefit from Neoadjuvant Therapy in Esophageal Squamous Cell Carcinoma,” which was e-published in *Surgery* on November 19, 2018.



Amal Mattu, MD

▶ **Rachel McCarroll, PhD**, Physics Resident, Department of Radiation Oncology, was among the authors of “Auto-Delineation of Oropharyngeal Clinical Target Volumes Using 3D Convolutional Neural Networks,” which was published in *Physics in Medicine and Biology* on November 7, 2018.

▶ **Timothy Miller, MD**, Assistant Professor; **Gaurav Jindal, MD**, Associate Professor; and **Dheeraj Gandhi, MBBS**, Professor; all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Pipeline Diameter Significantly Impacts the Long-Term Fate of Jailed Side Branches During Treatment of Intracranial Aneurysms,” which was published in *American Journal of Neuroradiology* on November 1, 2018.

▶ **Mark Mishra, MD**, Associate Professor, Department of Radiation Oncology, was among the authors of “Evaluating the Cost-Effectiveness of Hydrogel Rectal Spacer in Prostate Cancer Radiotherapy,” which was e-published in *Practical Radiation Oncology* on October 17, 2018.



Mark Mishra, MD

Publications *continued from page 3*



Siamak Moayedi, MD

► **Siamak Moayedi, MD**, Assistant Professor, and **Mercedes Torres, MD**, Clinical Assistant Professor, both from the Department of Emergency Medicine, authored “Management of Human Immunodeficiency Virus in the Emergency Department,” which was published in the November 2018 issue of *Emergency Medicine Clinics of North America*. **Amal Mattu, MD**, Professor, also from the Department of Emergency Medicine, continues as the consulting editor for this quarterly journal and contributed the foreword for this issue.

► **Pranshu Mohindra, MD, MBBS**, Assistant Professor, Department of Radiation Oncology, was among the authors of “The American Society for Radiation Oncology 2017 Radiation Oncologist Workforce Study,” which was e-published in the *International Journal of Radiation Oncology, Biology, Physics* on October 24, 2018.

► **Jason Molitoris, MD, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Estimating Survival for Renal Cell Carcinoma Patients with Brain Metastases: An Update of the Renal Graded Prognostic Assessment Tool,” which was published in *Neuro-Oncology* on November 12, 2018. Dr. Molitoris and **Charles Simone, II, MD**, were also among the authors of “Utility of Bladder-Sparing Therapy vs Radical Cystectomy for Muscle-Invasive Bladder Cancer,” which was e-published in *JAMA Surgery* on November 21, 2018.



Jason Molitoris, MD, PhD

► **Christa Nelson, PT, DPT, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was a co-author of “Motor Impairment-Related Alterations in Biceps and Triceps Brachii Fascicle Lengths in Chronic Hemiparetic Stroke,” which was e-published in the August 2018 issue of the *Journal of Neurorehabilitation Neural Repair*.



Erin O'Connor, MD

► **Erin O'Connor, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Mechanisms of Neuropathogenesis in HIV and HCV: Similarities, Differences, and Unknowns,” which was published in the *Journal of Neurovirology* on October 5, 2018.

► **Jerimy Polf, PhD**, Associate Professor, Department of Radiation Oncology, was a co-author of “In Vivo Range Verification in Particle Therapy,” which was published in the November 2018 issue of *Medical Physics*.



Jerimy Polf, PhD

► **Alexandros Pouloupoulos, PhD**, Assistant Professor, Department of Pharmacology, was the first author of “Subcellular Transcriptomes and Proteomes of Developing Axon Projections in the Cerebral Cortex,” which was published in *Nature* on January 17, 2019. Separately, Dr. Pouloupoulos, **Brian Mathur, PhD**, Assistant Professor, also from the Department of Pharmacology, and **Houman Qadir**, Neuroscience Graduate Student, authored “Structural Connectivity of the Anterior Cingulate Cortex, Claustrum, and the Anterior Insula of the Mouse,” which was published in the November 2018 issue of *Frontiers in Neuroanatomy*.



Alexandros Pouloupoulos, PhD

► **Thomas Ptak, MD, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “ACR Appropriateness Criteria® Suspected Lower Extremity Deep Vein Thrombosis,” which was published in the *Journal of the American College of Radiology* on November 15, 2018.

► **Stephanie Rice, MD**, Resident, and **Charles Simone, II, MD**, Associate Professor, both from the Department of Radiation Oncology, were among the authors of “A Novel Prospective Study Assessing the Combination of Photodynamic Therapy and Proton Radiation Therapy: Safety and Outcomes When Treating Malignant Pleural Mesothelioma,” which was e-published in *Photochemistry and Photobiology* on November 28, 2018.



Dario Rodrigues, PhD

► **Dario Rodrigues, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Thermal Therapy Applications of

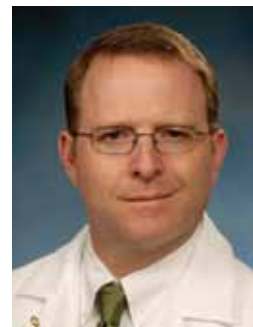
Electromagnetic Energy,” which appeared in chapter 9 of *Handbook of Biological Effects of Electromagnetic Fields* (4th ed., Vol. 2). The book was published on November 16, 2018.

► **Charles Simone, II, MD**, Associate Professor, Department of Radiation Oncology, was among the authors of:

- “ASO Author Reflections: Management of Malignant Peritoneal Mesothelioma,” which was e-published in *Annals of Surgical Oncology* on November 12, 2018.
- “Early Changes in Cardiovascular Biomarkers with Contemporary Thoracic Radiation Therapy for Breast Cancer, Lung Cancer and Lymphoma,” which was e-published in the *International Journal of Radiation Oncology, Biology, Physics* on November 14, 2018.
- “Effect of Pregabalin on Radiotherapy-Related Neuropathic Pain in Patients with Head and Neck Cancer: A Randomized Controlled Trial,” which was e-published in the *Journal of Clinical Oncology* on November 20, 2018.
- “Modeling Epidermal Growth Factor Inhibitor-Mediated Enhancement of Photodynamic Therapy Efficacy Using 3D Mesothelioma Cell Culture,” which was published in *Photochemistry and Photobiology* on November 29, 2018.
- “Automated Data Extraction and Ensemble Methods for Predictive Modeling of Breast Cancer Outcomes After Radiation Therapy,” which was e-published in *Medical Physics* on November 30, 2018.
- “A Systematic Review of the Cost and Cost-Effectiveness Studies of Immune Checkpoint Inhibitors,” which was published in the *Journal for ImmunoTherapy and Cancer* on November 23, 2018.



Charles Simone, II, MD



Clint Sliker, MD

► **Clint Sliker, MD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Influence of Luminal Stenosis in Aneurysmal and Non-Aneurysmal Blunt Cerebrovascular Injury,” which was published in *Injury* on November 3, 2018.

► **Mark Smith, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the author of “New Hardware, New Software, Different Results: The Estimation of Left Ventricular Volumes and Ejection Fractions with Gated Myocardial Perfusion SPECT,” which was published in the *Journal of Nuclear Cardiology* on November 16, 2018.



Mark Smith, PhD



Kathleen Tracy, PhD

► **Kathleen Tracy, PhD**, Associate Professor, and **Jennifer Swanberg, PhD**, Professor, both from the Department of Epidemiology & Public Health, were among the co-authors of “Working Poor and Working Non-Poor Cancer Survivors: Work-Related and Employment Disparities,” which was published in *Cancer Reports* on September 18, 2018. Separately, Drs. Tracy and Swanberg were among the co-authors of “Occupational Exposures and

Associated Risk Factors Among U.S. Casino Workers: A Narrative Review,” which was published in the January 2018 issue of *AIMS Public Health*. In addition, Dr. Tracy and **Lauren Levy, JD, MPH**, Research Associate, also from the Department of Epidemiology & Public Health, were co-authors of “Gambling Disorder in Veterans: A Review of the Literature and Implications for Future Research,” which was published in the December 2018 issue of the *Journal of Gambling Studies*.

► **Stefanie Vogel, PhD**, Professor, Department of Microbiology and Immunology, was among the authors of “Autocrine-Paracrine Prostaglandin E2 Signaling Restricts TLR4 Internalization and TRIF Signaling,” which was published in the December 2018 issue of *Nature Immunology*.

► **Melissa Liriano Vyfhuys, MD, PhD**, Resident; **Elizabeth Nichols, MD**, Assistant Professor; **Mohan Suntharalingam, MD**, the Marlene & Stewart Greenebaum Professor in Radiation Oncology; and **Pranshu Mohindra, MD**, Assistant Professor; all from the Department of Radiation Oncology, were among the authors of “Marriage Predicts for Survival in Patients with Stage III Non-Small Cell Lung Cancer,” which was published in the October 2018 issue of the *Journal of Community and Supportive Oncology*.



Stefanie Vogel, PhD

Publications *continued from page 4*

► **Jade Wong-You-Cheong, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “ACR Appropriateness Criteria® Acute Pyelonephritis,” which was published in the *Journal of the American College of Radiology* on November 15, 2018.

► **Su Xu, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors



Su Xu, PhD

of “A 19F Magnetic Resonance Imaging-based Diagnostic Test for Bile Acid Diarrhea,” which was published in *Magnetic Resonance Materials in Physics, Biology and Medicine* on November 1, 2018.

► **Li-Qun Zhang, PhD**, Professor, Department of Physical Therapy and Rehabilitation Science, was among the co-authors of “Position as Well as Velocity Dependence of Spasticity-Four-Dimensional Characterizations of Catch Angle,” which was published in *Frontiers in Neurology* on October 26, 2018. Separately, Dr. Zhang was among the co-authors of “Tibiofemoral Contact Mechanics with Horizontal Cleavage Tears and Resection of the Lateral Meniscus in the Human Knee,” which was published in the November 2018 issue of *Clinical Orthopaedics and Related Research*.

Honors & Awards

Congratulations to the following who have received honors!



Cara Felter, PT, DPT, MPH

► **Cara Felter, PT, DPT, MPH**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, received the Henry O. and Florence P. Kendall Award at the 2018 Annual Conference of the American Physical Therapy Association (APTA) of DC and Maryland, held on November 3, 2018. The Kendall Award was established as a way for the APTA of Maryland to honor its members for outstanding contributions to the field of physical therapy. Nominees are physical therapists or physical therapist assistants who have demonstrated outstanding service to the profession of physical therapy in the area(s) of patient care, supervision, administration, education, and/or research; and physical therapists or physical therapist assistants who have participated and been a dominant force in activities that have significantly affected chapter or professional growth and development.

► **Shyamasundaran Kottlilil, MBBS, PhD, FACP**, Professor of Medicine, Director, Division of Clinical Care and Research, Institute of



Shyamasundaran Kottlilil, MBBS, PhD, FACP

Human Virology, was awarded the American College of Physicians (ACP) Richard and Hinda Rosenthal Award #1 from the Rosenthal Family Foundation. The award will be presented at ACP's Convocation Ceremony on April 11, 2019, at the Pennsylvania Convention Center in Philadelphia. The award is given to a “physician-scientist, clinician, or scientific group whose recent innovative work is making a notable contribution to improve clinical care in the field of internal medicine.”

► The Department of Pediatrics, Division of General Pediatrics' practice, **Pediatrics at Midtown**, has been awarded the Gold award for being Breastfeeding Friendly for the Healthcare Provider awards. This is awarded to healthcare offices that promote and support breastfeeding through the combination of an office environment and education of healthcare professionals, office staff and families.

New Faculty

We welcome our new faculty!



Sarah McAvoy, MD

► **Sarah McAvoy, MD**, joined the Department of Radiation Oncology as an Assistant Professor in November 2018. She is based at the Tate Cancer Center at the Baltimore Washington Medical Center, with additional time at the University of Maryland Medical Center and the Maryland Proton Treatment Center. She received her medical degree from the University of Minnesota and completed an internship at Hennepin County Medical Center in Minneapolis, Minn. She then completed a radiation oncology residency at the University of Texas MD Anderson Cancer Center, Houston, Tex. She came to Maryland from Mercy Medical Center, Des Moines, Iowa.

Appointments

We applaud our colleagues on their recent appointments!

► **Carissa Baker-Smith, MD, MPH, MS, FAAP, FAHA**, Assistant Professor, Department of Pediatrics, has been selected as the Vice Chair of the American Heart Association Cardiovascular Disease of the Young (CVDY), and Atherosclerosis, Hypertension and Obesity in the Young (AHOY) subcommittee.



Carissa Baker-Smith, MD, MS, MPH, FAAP, FAHA

► **Rebecca Carter, MD**, Assistant Professor, Department of Pediatrics, has been competitively selected as a member of the Educational Scholars Program through the Academic Pediatric Association. This esteemed program targets faculty in academic pediatrics to build their skills in educational scholarship. **Erin Giudice, MD**, Assistant Professor, Department of Pediatrics and **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, will serve as mentors for Dr. Carter during this three-year program.



Rebecca Carter, MD

► **Natalie Davis, MD, MMSc**, Assistant Professor; **Suma Hoffman,**

MD, Assistant Professor; and **Colleen Hughes Driscoll, MD**, Assistant Professor; all from the Department of Pediatrics, were inducted as members of the Society for Pediatric Research. The mission of the Society for Pediatric Research is to create a network of multi-disciplinary researchers to improve child health. The Society provides programming for research meetings, career opportunities, and advocacy on the medical systems issues that affect members' ability to do research.

► **Shannan Dixon, MS, CGC**, Assistant Professor, Department of Pediatrics, was elected to serve as the Vice President of the Association of Genetic Counseling Program Directors. Her term will begin January 2019 and end December 2020.



Brian Mathur, PhD

► **Brian Mathur, PhD**, Assistant Professor, Department of Pharmacology, was accepted as Associate Member of the American College of Neuropsychopharmacology (ACNP).



Shannan Dixon, MS, CGC

Grants & Contracts

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



Jennifer Albrecht, PhD

► **Jennifer Albrecht, PhD**, Assistant Professor, Department of Epidemiology & Public Health, received the American Academy of Sleep Medicine's 2018 Strategic Research Award for "Impact of High PAP Adherence on Cardiovascular Outcomes Among Medicare Beneficiaries with Obstructive Sleep Apnea, 2006–2013." This is a three-year grant in the amount of \$249,721.

► **Uttam Bodanapally, MBBS**, Assistant Professor, and **Thorsten Fleiter, MD**, Associate Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were awarded a one-year \$85,000 grant from Siemens Medical Solutions for "Artificial Intelligence (AI) Pipeline in Detection of Traumatic Intracranial Bleeds on Head CT."

► **Poorna Dharmasri**, Neuroscience PhD Student, Department of Physiology, received an Individual National Research Service Award in the amount of \$125,403 for "Glutamate Receptor-Mediated Organization of Synaptic Nanostructure."



Uttam Bodanapally, MBBS



Jay Magaziner, PhD, MSHyg

► **Jay Magaziner, PhD, MSHyg**, Professor and Chair, and **Kathleen Tracy, PhD**, Associate Professor, both from the Department of Epidemiology & Public Health, received a three-year, \$410,000 research agreement from the R. Adams Cowley Shock Trauma Center for "Strategic Academic Partnership Between the Department of Epidemiology & Public Health and the Center for Injury Prevention and Policy (CIPP)."

► **Gibran Shaikh, MD, MS**, a PGY-2 Resident, Department of Dermatology, received a one-year \$5000 grant from the Maryland Dermatologic Society for his project, "Skin-to-Skin.Org: An Online Community for New Mothers." Dr. Shaikh's goal is to create a resource for community dermatologists, pediatricians, and obstetricians to refer their patients for comprehensive, unbiased information concerning skin care and skin disorders in pregnancy and in the neonatal period. His mentors are **Marcia Driscoll, MD, PharmD**, Associate Professor, and **Brian Green, DO**, Assistant Professor, both from the Department of Dermatology.



Gibran Shaikh, MD, MS

In the News

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



Claire Fraser, PhD

► **Claire Fraser, PhD**, Dean's Endowed Professor, Department of Medicine, and Director of the Institute for Genome Sciences, was featured in multiple episodes of the nine-part television/video series "Interconnected: The Power to Heal from Within," focusing on the microbiome.

► **Herve Tettelin, PhD**, Associate Professor of Microbiology and Immunology, Institute for Genome Sciences, was quoted in the Baltimore *Sun*. The article features the work of University of Maryland School of Medicine researchers, which explores how some bacterial infections contribute to the development of cancer.



Hervé Tettelin, PhD

HOW TO SUBMIT INFORMATION TO THE **Buzz**

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

OR

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

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Research Communications Network

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