The Program in Trauma was well represented at the 78th Annual Meeting of the American Association for the Surgery of Trauma & Clinical Congress of Acute Care Surgery, Dallas, Tex., September 18–22. Among the presenters were:

- Samuel Fisherman, MD, Professor, Department of Surgery, was among the presenters of “Expert on the Hot Seat: Top 10 Topics in Critical Care.”
- David Feliciano, MD, Clinical Professor, Department of Surgery, was among the presenters of “Ten Principles of Re-Operative Surgery.”
- Jonathan Morrison, MB, ChB, PhD, Assistant Professor, and Joseph Delgado, MD, Clinical Professor, both from the Department of Surgery, presented “Do Military Innovations Work and Can They be Studied in the Civilian World,” with Todd Rasmussen, MD, Visiting Professor, also from the Department of Surgery, serving as moderator.
- Rosemary Kozar, MD, PhD, Professor, Department of Surgery, was among the presenters of “Geriatric Trauma: Now the Good News,” served as a moderator for Session IXA: Papers 18–26; and a discussant on “Effect of Oral Anticoagulants on Outcomes Following Severe Trauma T-IC Brain Injury in the Elderly.”
- Joseph DuBois, MD, Clinical Professor, Department of Surgery, served as a moderator for “How to Maintain the Combat Trauma Readiness of Forward-deployed Caregivers: Residency, Fellowships, Partnerships, and More.”
- Todd Rasmussen, MD, Visiting Professor, Department of Surgery, was among the presenters for Session IX: Shock/Transfusions.
- Sharon Henry, MD, Professor, Department of Surgery, served as a recorder for Session XIVB: Papers 54-63.
- Mira Ghneim, MD, Assistant Professor, Department of Surgery, presented “Geriatric TBI: What We Know Now.”

The Department of Radiation Oncology was also well represented in presentations at the 2019 meeting of the Particle Therapy Cooperative Group—North America in Miami, Fla., October 14–16. The presentations focused on experience with proton therapy at the Maryland Proton Treatment Center. Presenters (each of whom represented multiple department co-authors) included:

- Anthony Koroulakis, MD, Resident, presented: “Early Results of Re-Irradiation for Rectal Cancer Using Pencil-Beam Scanning Proton Therapy are Promising.”
- Pouya Sabouri, PhD, Assistant Professor, presented: “The Impact of Dual-Energy CT Scan on TPS Calculated Dose Accuracies for Biological and Non-Biological Samples”
- James Snider, III, MD, Assistant Professor, presented: “Concurrent Pencil Beam Scanning Proton Therapy and Hyperthermia: Growing Experience with Promising Results.”
- Zeljko Vujaskovic, MD, PhD, Professor, delivered the invited lecture “Hyperthermia and Protons: Is This the Safe Way to Get the ‘Carbon Boost’?”
- Adeel Kaiser, MD, Assistant Professor, was a co-moderator of a “Head and Neck and Gastrointestinal” session.
- Gad Alon, PT, PhD, Professor Emeritus, Department of Physical Therapy and Rehabilitation Science, presented: “Ostertag Brachial Plexus Injury (OBPI): Is Functional Electrical Stimulation (FES) a Viable Intervention Option?” at the 13th Vienna International Workshop on Functional Electrical Stimulation (FE). The workshop was held from September 23–25.

The University of Maryland School of Medicine and the Department of Radiation Oncology hosted the first Thermal Oncology Practice School (TOPS), October 18–19. The course was directed by Zeljko Vujaskovic, MD, PhD, Professor; Dario Rodrigues, PhD, Assistant Professor; and Ajith Banerjee, PhD, Assistant Professor. In addition to the directors, course faculty included department members: Neelking Biswal, PhD, Assistant Professor; Mariana Guerrero, PhD, Clinical Associate Professor; Scott Hill, Radiation Therapist; Erika Maynor, Senior Director of Clinical Operations; Jason Molitoris, MD, PhD, Assistant Professor; and Sina Mossahebi, PhD, Assistant Professor. This educational program is the first of its kind to provide practice guidelines and practical training in thermal therapy as an adjunct in cancer treatment. The course drew physicians, physicists, nurses, and therapists from across the United States and from South Korea, Poland, and Japan. The TOPS course, held at the Maryland Proton Treatment Center and at the University of Maryland Medical Center, provided attendees with theoretical aspects of thermal therapy, case reviews, and small-group instruction in experimental phenomena. The course was sold out, and plans are underway for future TOPS offerings.
Events, Lectures & Workshops

Film PT, DPT, OCS, FAAMPT, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, also attended the annual AAOMPT conference and was a co-author on the poster: “Emphasizing Fascia in the Treatment of a Former Weightlifter with Low Back Pain after Five Years of Stalled Functional Progress: A Case Report.” Separately, Dr. Film presented a CEU course titled “With Feathers: Helping People with Chronic Pain,” on Thursday, October 10, at the University of Maryland, Baltimore. Dr. Film also presented the keynote address “Physical Therapy to Facilitate Non-Opioid Pain Management,” at the annual congress of the Society for Opioid-Free Anesthesia, which was held in Panama City, Fla.

France Carrier, PhD, Professor, Department of Radiation Oncology, presented “Role of Dual Oxygenase (DUOX2) in Mediating Gastric Cancer Cell Death and Macrophages Dynamic Response to Low-Dose Fractionated Radiation Therapy (LDFT),” at the annual meeting of the Radiation Research Society, held in San Diego, Calif, November 3–6. In addition, Isabel Jackson, PhD, Associate Professor, Department of Radiation Oncology, presented “Biological Basis of Sex Differences in Radiation Response and Consideration of Sex Differences in Normal Tissue Radiation Response During Drug Development.”

Svetlana Chapoval, MD, PhD, Assistant Professor, Department of Microbiology and Immunology, Center for Vascular and Inflammatory Diseases, delivered an invited presentation titled “Sema phosphin 4A as Immune Checkpoint and Regulator of Inflammation in Allergic Asthma,” at the World Immunotherapy Congress during Festival of Biologics, October 15–17, in Basel, Switzerland.

Yasmine Cisse, PhD, Postdoctoral Fellow, Department of Pharmacology, gave a lecture titled “Insights on Generational Health Consequences of the Perceived Stress of Racism: Maternal Preconception Stress Programs Female Offspring Stress Hyper-Reactivity,” at the Society for Neuroscience Tolerance Screen for the Child Passenger Safety and Occupant Healthcare Project at the Maryland Institute of Technology, held in Chicago, Ill., on October 19–23.

Natalie Davis, MD, MMSc, Assistant Professor, Department of Pediatrics, presented a webinar titled “An Update on the Car Seat JNanosymposium, held in Chicago, Ill., October 19–23. Offspring Stress Hyper-Reactivity,” at the Society for Neuroscience.

Allan Doctor, MD

Sharon Henry, MD

Eric Weintraub, MD

Howard Dubowitz, MB, ChB, MS, FAAP

Margaret McCarthy, PhD

Samantha Latore, MD

Differential Regression and Consideration of the Perceived Stress of Racism: Maternal Preconception Stress Programs Female Offspring Stress Hyper-Reactivity,” at the Society for Neuroscience.

Margaret McCarthy, PhD, the James and Carolyn Frenklein Dean’s Professor and Chair, Department of Pharmacology, presented a keynote lecture titled, “Immune Origins of Sex Differences in the Brain,” at the Mayo Clinic’s 3rd Annual Celebration of Women’s Health Research: “SexX as a Biological Variable,” held in Rochester, Minn., on October 4.

Eric Weintraub, MD, Associate Professor, Department of Psychiatry, recently spoke at the National Conference on Addiction Disorders, held August 15–18, in Baltimore, Md. Dr. Weintraub presented: “Prescribing Medication for Opioid Use Disorder Through Telepsychiatry: An Innovative Approach to Expand Treatment.”

New Faculty

We welcome our new faculty!

Allan Doctor, MD, joined the Department of Pediatrics, Division of Critical Care, as a Professor in June 2019. Dr. Doctor earned his Bachelor of Arts degree in Neurobiology (1984) and his Medical Degree (1989), both at the University of Virginia. Following residency in Emergency Medicine at the University of Pittsburgh, he went to Boston Children’s Hospital where he completed additional residency training in Pediatrics as well as fellowships in Pediatric Emergency Medicine and Critical Care.

Samantha Latore, MD joined the Department of Psychiatry as an Assistant Professor in November 2019.

Stephen Colin Rogers, PhD, MSc, joined the Department of Pediatrics, Division of Critical Care, as an Assistant Professor in June 2019. Dr. Roger received a BSc Exercise & Health Science degree from the University of Exeter, England, and a MSc degree in Exercise Physiology from Liverpool John Moores University, England. Dr. Rogers obtained his PhD from University of Cardiff, Wales, and completed a postdoctoral research fellowship at Washington University, St. Louis, Mo. His research focus is on signaling and interplay between RBCs and the vasculature; more specifically, the role of RBCs regulating regional blood flow.
Hats off to those who have been published!

Megan Anders, MD, Assistant Professor, and Samuel Galvagno, DO, PhD, Professor, both form the Department of Anesthesiology, and Samuel Tisherman, MD, Professor, Department of Surgery, were among the co-authors of “Improving Postoperative Handoff in a Surgical Intensive Care Unit,” which was published in the October 2019 issue of Critical Care Nurse.

Maureen Black, PhD, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, was a co-author of “SNAP Participation, Young Children’s Health and Development, and Family Food Security and Health Care Access,” which was published in the October 2019 issue of the American Journal of Preventive Medicine. In addition, Dr. Black, along with Chloe Drennen, MD, were among the authors of “Food Insecurity, Health and Development Among Children Under Age Four Years,” which was published in the October 2019 issue of Pediatrics. The article received media attention in multiple sources, including the US News and World Report 2019.

Stewart Becker, PhD, Assistant Professor; Pouya Sabouri, PhD, Assistant Professor; Shifeng Chen, PhD, Associate Professor; Elizabeth Nichols, MD, Associate Professor; and Byong Yong Yi, PhD, Professor; all from the Department of Radiation Oncology, were among the authors of “Commissioning and Acceptance Guide for the GammaPod,” which was published in Physics in Medicine and Biology on September 5, 2019.

Liron Boyman, PhD, Research Associate; Mariusz Karowski, PhD, Associate Professor; and Jonathan Lederer, MD, PhD, Professor, and Director, all from the Center for Biomedical Engineering and Technology, were among the co-authors of “Regulation of Mitochondrial ATP Production: Ca2+ Signaling and Quality Control,” which was published in the November 2019 issue of Trends in Molecular Medicine. This publication was also the Feature Review of the Special Issue: Mitochondria— from Diagnosis to Treatment in Cell Press Reviews.

Mary Beth Bollinger, DO, Professor, Department of Pediatrics, was among the co-authors of “Emolence of Uncertainty and Protective Parenting in Mothers of Children with Food Allergy,” which was published in Journal of Children’s Healthcare on August 25, 2019.

Joseph Cheer, PhD, Professor, and Sonia Aroni, PhD, Postdoctoral Fellow, in the lab of Dr. Joseph Cheer, both from the Department of Anatomy and Neurobiology, were among the co-authors of “Prenatal THC Exposure Produces a Hyperdopaminergic Phenotype Rescued by Pregnenolone,” which was published in Nature Neuroscience on October 14, 2019.

Rong Chen, PhD, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the last author of “Predicting Necrosis in Adnexal Torsion in Women of Reproductive Age Using Magnetic Resonance Imaging,” which was published in European Radiology on October 18, 2019. Dr. Chen was also a co-author of “Smnchr Derivatives in ‘Smnchr’-null Patients: Axonal Transport-dependent Lysosomal Function and Promotes Axonal Swellings and Gain of Toxicity in C9ALS/FTD Mouse Models,” which was published in Human Molecular Genetics on October 18, 2019.

Wengen Chen, BM, PhD, MSc, Professor, and Vasken Dilisizian, MD, Professor, both from the Department of Diagnostic Radiology & Nuclear Medicine, authored “Radioactive Iodine Treatment and Cancer Mortality in Hyperthyroid Patients: Questioning Standard Clinical Practice Requires Indisputable Scientific Data,” which was published in the Journal of Nuclear Medicine on November 1, 2019.

Barry Daly, MD, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Left Ventricular Hypertrophy in a Contemporary Cohort of Autosomal Dominant Polycystic Kidney Disease Patients,” which was published in the October 2019 issue of BMC Nephrology.

Derik Davis, MD, Associate Professor; Jaichen Zhao, PhD, Assistant Professor; Michael Mulligan, MD, Professor; Charles Resnik, MD, Professor; and Rao Gullapalli, PhD, MBA, Professor; all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Association of Patient Self-Reported Shoulder Scores to Quantitative and Semiquantitative MRI Measures of Rotator Cuff Intramuscular Fatty Infiltration: A Pilot Study,” which was published in the American Journal of Roentgenology on September 11, 2019. Dr. Davis was also first author of “Association of Rotator Cuff Tear Patterns and Intramuscular Fatty Infiltration on Magnetic Resonance Imaging,” which was published in the Journal of Clinical Imaging Science on August 2, 2019.

Cristina DeCesaris, MD, Medical Resident; Jenna Jatzczak, Dosimetrist; Mark Mishra, MD, Associate Professor; Sina Mossahebi, PhD, Assistant Professor; and Elizabeth Nichols, MD, Associate Professor; all from the Department of Radiation Oncology, were among the authors of “In Reply to Tommasino et al,” which was published in the International Journal of Radiation Oncology, Biology, Physics on November 1, 2019.

Howard Dubowitz, MB, ChB, MS, FAAP, Professor, Department of Pediatrics, was last author of “Psychometric Properties of a Self-Report Measure of Neglect During Mid-Adolescence,” which was published in the October 2019 issue of Child Indicators Research.

Matthew Ferris, MD, Assistant Professor, Department of Radiation Oncology, was among the authors of “Survival Outcomes in Patients with Gastric and Gastroesophageal Junction Adenocarcinomas Treated with Perioperative Chemotherapy with or without Preoperative Radiotherapy,” which was published in Cancer on September 18, 2019.

Rajender Gattu, MD, Assistant Professor; Yan Wang, BM, DrPH, Associate Professor; Richard Lichtenstein, MD, Professor; and Maureen Black, PhD, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, all from the Department of Pediatrics, were co-authors of “The 2-Item Hunger Vital Sign in Emergency Departments Identifies Children in Food Insecure Households with Increased Risk for Adverse Health Conditions,” which was published in the October 2019 issue of Children.

Rachel Gore, ScM, CGC, Instructor, Department of Pediatrics, was first author of “Challenges to Informed Consent for Exome Sequencing: A Best-Worst Scaling Experiment,” which was published in Journal of Genetic Counseling on September 25, 2019.
Publications

- Isabel Jackson, PhD, Associate Professor; Yannick Potier, PhD, Assistant Professor; Diana Newman, Lab Manager; and Željko Vujošković, MD, PhD, Professor; all from the Department of Radiation Oncology, were among the authors of “A New Zealand White Rabbit Model of Thrombocytopenia and Coagulopathy Following Total Body Irradiation Across the Dose Range to Induce the Hematopoietic Subsyndrome of Acute Radiation Syndrome,” which was published in the *International Journal of Radiation Biology* on September 17, 2019.

- Eldin Jasarevic, PhD, Research Associate, Department of Pharmacology, authored “Pharmacogenomic Polygenic and Transcriptional Pathways Influencing Human Serum Urate Levels,” which was published in *Nature Genetics* on October 12, 2019.

- Xiaofeng Jia, BM, PhD, Postdoctoral Fellow, and Leanne Young, MS and Ruxian Deng, MS, both Graduate Students; and Daniel Callow, Undergraduate Student, all from the Department of Neurosurgery, were authors of “Real-Time Quantitative Monitoring of Cerebral Blood Flow by Laser Speckle Contrast Imaging After Cardiac Arrest with Targeted Temperature Management,” which was published in the June 2019 issue of the *Journal of Cerebral Blood Flow & Metabolism.*

- Adel Kaiser, MD, Assistant Professor, Department of Radiation Oncology, was among the authors of “Lack of Efficacy of the Neutropenic Diet in Decreasing Infections Among Cancer Patients: A Systematic Review,” which was published in *Nutrition and Cancer* on October 12, 2019.

- Kimia Khalatbari Kani, MD, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was first author of “External Fixators: Looking Beyond the Hardware Maze,” which was published in *Skletal Radiology* on September 12, 2019.

- Victoria Halperin Kulms, PhD, Assistant Professor, and were among the co-authors of “Target Genes, Variants, Tissues and Transcriptional Pathways Influencing Human Serum Urate Levels,” which was published in *Nature Genetics* on October 2, 2019.

- Young Kwok, MD, Professor, Department of Radiation Oncology, was among the authors of “An Open Invitation to Join the Pediatric Proton/Photon Consortium Registry to Standardize Data Collection in Pediatric Radiation Oncology,” which was published in the *British Journal of Radiology* on October 10, 2019.

- Joshua Lewis, PhD, Associate Professor, Department of Medicine, was the first author of “Pharmacogenomic Polygenic Response Score Predicts Ischemic Events and Cardiovascular Mortality in Clopidogrel-Treated Patients,” which was published in the *European Heart Journal—Cardiovascular Pharmacotherapy* on September 3, 2019.

- Regina Macatangay, MD, Assistant Professor, Department of Pediatrics, was among the authors of “Warthin-Finkeldey-Like Cells in Lymph Node from a Child with Li-Fraumeni Syndrome,” which was published in the August 2019 issue of the *Journal of Hematopathology.*

- Javed Mahmood, PhD, Assistant Professor, and Feyruz Rassool, PhD, Associate Professor, both from the Department of Radiation Oncology, were among the authors of “DNA Methyltransferase Inhibitors Induce a Brca1-Deficient Phenotype That Sensitizes NSCLC to PARP Inhibitor and Ionizing Radiation,” which was published in the *Proceedings of the National Academy of Sciences USA* on October 7, 2019.

- Rachel McCarroll, PhD, Medical Physics Resident, Department of Radiation Oncology, was among the authors of “Automatic Detection of Contouring Errors Using Convolutional Neural Networks,” which was published in *Medical Physics* on September 10, 2019.

- Mary McKenna, PhD, Professor, and Jaylyn Waddell, PhD, Assistant Professor, both from the Department of Pediatrics, were among the authors of “Effect of Acetyl-l-carnitine Used for Protection of Neonatal Hypoxic-Ischemic Brain Injury on Acute Kidney Changes in Male and Female Rats,” which was published in the October 2019 issue of *Neurochemical Research.*

- Robert Miller, MD, MBA, Professor, Department of Radiation Oncology, was among the authors of “Google Search Trends in Oncology and the Impact of Celebrity Cancer Awareness,” which was published in *Cancers* on October 10, 2019. Separately, Dr. Miller was among the authors of “Reply to A.S. Garden,” which was published in the *Journal of Clinical Oncology* on September 26, 2019.

- Timothy Miller, MD, Associate Professor; Gaurav Jindal, MD, Associate Professor, and Dheeraj Gandhi, MBBS, Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the authors of “Utility of the Hijdra Sum Score in Predicting Risk of Aneurysm in Patients with Subarachnoid Hemorrhage: A Single-Center Experience with 550 Patients,” which was published in *Neurosurgery* on September 9, 2019.

- Mark Mishra, MD, Associate Professor, and Kasey Baker, MS, Director of Clinical Research Operations, both from the Department of Radiation Oncology, were among the co-authors of “Pragmatic Randomised Clinical Trial of Proton Versus Photon Therapy for Patients with Non-Metastatic Breast Cancer: The Radiotherapy Comparative Effectiveness (Radcomp) Consortium Trial Protocol,” which was published in *BMJ Open* on October 15, 2019. Separately, Dr. Mishra was among the authors of “Stereotactic Body Radiation Therapy for Prostate Cancer: Systematic Review and Meta-Analysis of Prospective Trials,” which was published in *Oncotarget* on September 24, 2019.

- Jessica Mong PhD, Professor, Department of Pharmacology, was among the co-authors of “Sex, Drugs, and the Medial Amygdala: A Model of Enhanced Sexual Motivation in the Female Rat,” which was published in *Frontiers in Neuroscience* on September 10, 2019.

- Kathleen Morrison, PhD, Postdoctoral Fellow, Department of Pharmacology, authored “Brexanolone for the Treatment of Patients with Postpartum Depression,” which was published in the September 2019 issue of *Drugs Today.*

- Vincent Njar, PhD, Professor, and Puranik Purushottamachar, PhD, Assistant Professor, both from the Department of Pharmacology, were among the co-authors of “Development of Benzimidazole Compounds for Cancer Therapy,” which was published in *IntechOpen* on June 10, 2019. Separately, Drs. Njar and...
and Purushottamachar were among the co-authors of “Galeterone and the Next Generation of Anti-Androgens,” which was published in *Cancers (Basel)* on October 24, 2019. Yun Qiu, PhD, Professor, Department of Pharmacology, Nicholas Ambulos, PhD, Professor, Department of Microbiology and Immunology, Jui Zhang, PhD, Associate Professor, Department of Epidemiology & Public Health, Arif Hussain, MD, Professor, Department of Medicine, David Weber, PhD, Professor, Department of Biochemistry and Molecular Biology, Weiliang Huang, PhD, Research Associate, and Maureen Kane, PhD, Associate Professor, both from the Department of Pharmaceutical Sciences, UMB School of Pharmacy, were also among the co-authors.

> **Erik O’Connor**, MD, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “*Of Association Between Cortical Lesions and Leptomeningeal Enhancement on 7-Tesla MRI in Multiple Sclerosis,*” which was published in the October 2019 issue of *Multiple Sclerosis*. In addition, Dr. O’Connor was first author of “*Is Treated HIV Infection Still Toxic to the Brain,*” which was published in *Progress in Molecular Biology and Translational Science* on June 8, 2019.

> **Yuko Ota**, PhD, Assistant Professor, Department of Microbiology and Immunology; **Martin Fajnik**, PhD, Professor, Department of Microbiology and Immunology; and **Timothy O’Conner**, PhD, Assistant Professor, Department of Medicine, Institute for Genome Sciences, were co-authors of “*Inferring the Primordial Immune Complex*: Origins of MHC Class I and Antigen Receptors Revealed by Comparative Genomics,” which was published in the *Journal of Immunology* on September 6, 2019.

> **Jeromy Polf**, PhD, Associate Professor, Department of Radiation Oncology, was among the authors of “*A Monte Carlo Model for Organ Dose Reconstruction of Patients in Pencil Beam Scanning (PBS) Proton Therapy for Epidemiologic Studies of Late Effects,*” which was published in the *Journal of Radiological Protection* on September 11, 2019.

> **Prashant Raghavan**, MBBS, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “*A Consistent, Reliable Landmark to Assist in Placement of Orbital Floor Reconstruction Plates after Blowout Fractures,*” which was published in the October 2019 issue of *Journal of Craniofacial Surgery*.

> **Horea Rus**, MD, PhD, Professor; Freidrich Anselmo, Medical Student; and Alexandra Tatomin MD, Postdoctoral Fellow, all from the Department of Neurology, were among the co-authors of “*JNK and Phosphorylated Bel-2 Predict Multiple Sclerosis Clinical Activity and Glatiramer Acetate Response,*” which was published in *Clinical Immunology* on November 5, 2019.

> **Pouya Sabouri**, PhD, Assistant Professor; **Sina Mossaheni**, PhD, Assistant Professor; **Giovanni Lazio**, PhD, Assistant Professor; and **Amit Sawant**, PhD, Associate Professor, all from the Department of Radiation Oncology, were among the authors of “*Development and Prospective In-Patient Proof-of-Concept of a Surface Photogrammetry + CT-based Volumetric Motion Model for Lung Radiotherapy,*” which was published in *Medical Physics* on September 13, 2019.

> **Eliot Siegel**, MD, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “*Interpreting Radiographs with Concomitantly Obtaining Patient Photographs,*” which was published in *Radiographics* in September-October 2019.

> **Jonathan Vanryzin**, PhD, Postdoctoral Fellow; Ashley Marquardi, PhD Candidate, Lindsay Pickett, PhD Candidate; and Margaret McCarthy, PhD, the James and Carolyn Frenkil Dean’s Professor and Chair, all from the Department of Pharmacology, authored “*Microglia and Sexual Differentiation of the Developing Brain: A Focus on Extrinsic Factors,*” which was published in *GLIA* on November 6, 2019.

> **Esther Vicente**, PhD, Postdoctoral Fellow; Arezoo Modiri, PhD, Assistant Professor; and Amit Sawant, PhD, Associate Professor; all from the Department of Radiation Oncology, were among the authors of “*Accounting for Respiratory Motion in Small Serial Structures During Radiotherapy Planning: Proof of Concept in Virtual Bronchoscopy-Guided Lung Functional Avoidance Radiotherapy,*” which was published in *Physics in Medicine and Biology* on October 30, 2019.

> **Erik von Rosenvinge**, MD, Associate Professor, Department of Medicine, and Jonathan PearI, MD, Associate Professor, Department of Surgery, were among the co-authors of “*Randomized Trial of Medical Versus Surgical Treatment for Refractory Heartburn,*” which was published in *The New England Journal of Medicine* on October 17, 2019.

> **Andrew Wescott**, PhD, Postdoctoral Fellow; Joseph Kao, PhD, Professor; Jonathan Lederer, MD, PhD, Professor and Director; and Liron Boyman, PhD, Research Associate; all from the Center for Biomedical Engineering and Technology, were among the co-authors of “*Voltage-Energized Calcium-Sensitive ATP Production by Mitochondria,*” which was published in the *Journal of Cardiovascular Imaging*.

> **Jill Whitall**, PhD, Professor Emerita, Department of Physical Therapy and Rehabilitation Science, was a co-author of “*Methods for an Investigation of Neurophysiological and Kinematic Predictors of Response to Upper Extremity Repetitive Task Practice in Chronic Stroke,*” which was published in *Archives of Rehabilitation Research and Clinical Translation* on September 10, 2019.

> **Charles White**, MD, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the last author of “*Potential of Calcium Scoring CT to Identify Subclinical Coronary Artery Disease in Patients with Prior Thoracic Irradiation,*” which was published in the October 2019 issue of *Journal of Cardiovascular Imaging*.

> **Junfang Wu**, BM, PhD, Associate Professor, Department of Anesthesiology, was the corresponding author of “*Inhibition of MicroRNA-711 Limits Ang-1 and Akt Changes, Tissue Damage, and Neurological Dysfunction After Conulsive Spinal Cord Injury in Mice,*” which was published in *Cell Death & Disease* on November 4, 2019.

> **Mingyao Zhu**, PhD, Assistant Professor, Department of Radiation Oncology, was among the authors of “*Technical Note: Quality Assurance of Proton Central Axis Pencil-Beam Spread-Out Bragg Peak Using Large-Diameter Multilayer Ionization Chambers,*” which was published in the October 2019 issue of *Medical Physics*.
Congratulations to our very productive faculty on their recent grants and contracts!

- Howard Dubowitz, MB, ChB, MS, FAAP, Professor, Department of Pediatrics, received a three-year, $556,383 supplemental grant from the National Institute for Child Health and Human Development for “Dissemination and Implementation of the Safe Environment for Every Kid (SEEK) Model for Preventing Child Abuse and Neglect.” Dr. Dubowitz also received a one-year, $694,942 grant from the Governor’s Office on Crime Control and Prevention for “Victims of Child Maltreatment.”

- Thomas Ernst, Dr rer nat, Professor, and Linda Chang, MD, MS, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were awarded a one-year, $154,500 grant from the National Institutes of Health (NIH) for “Brain MRS GABA Measures, Impulsivity and the Adolescent Brain.”

- Dheeraj Gandhi, MBBS, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded a three-year, $180,000 grant by MicroVention, Inc for “Sofia” Aspiration System as First Line Technique.” Dr. Gandhi will serve as the national Principal Investigator.

- James Gold, PhD, Professor, Department of Psychiatry, was awarded a five-year, $2.67 million R01 grant from the National Institute of Mental Health (NIH/NIMH), for “Cognitive Neurocomputational Task Reliability & Clinical Applications.”

- Rao Gullapalli, PhD, MBA, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded a 15-month, $101,700 grant from the Focused Ultrasound Foundation for “The Feasibility of Targeting Temporal Lobe Using Transcranial MRI-Guided Focused Ultrasound.”

- Miroslaw Janowski, MD, PhD, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded a two-year, $545,000 grant by the National Institute of Allergy and Infectious Diseases (NIAID) K08 Mentored Clinical Scientist Research Career Development Award. The grant is titled: “Human Cellular Immune Programming Against Invasive Salmonella”

- Dean E. Albert Reece, MD, PhD, MBA, and Peixin Yang, PhD, Professor, both from the Department of Obstetrics, Gynecology & Reproductive Sciences, were awarded a five-year, $2.5 million R01 renewal for “Molecular Signalling Pathways and Cellular Stress in Diabetic Embryopathy.”

- Mark Smith, PhD, Associate Professor, and Thomas Ernst, Dr rer nat, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were awarded a three-year, $105,000 grant by Siemens Medical Solutions, USA, Inc for “Brain PET Motion Correction on the Biograph mMR Using KinetiCor Camera Head Tracking Device.”

- Toshihiko Tanno, PhD, Research Associate, Institute of Human Virology, and Martin Devenport, PhD, OncoImmune, Inc., were awarded a one-year, $312,714 grant from the Office of the Director, National Institute of Health (NIH/OD) for “Evaluation of Therapeutic Efficacy and Safety of Novel Small RNA Target Delivery Platform in Vivo.”

- Britney Williams, MD, Assistant Professor, Department of Anesthesiology, was awarded the Mentored Research Training Grant (MRTG) by the Foundation for Anesthesia Education and Research (FAER) for her research project titled “Role of TLR7 in Platelet Activation and Dysfunction in Sepsis.” The award, $250,000 over two years, helps physician-scientists develop the skills, preliminary data for subsequent grant applications, and research publications needed to become independent investigators.
Appointments

- Omer Awan, MD, MPH, CIIP, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, has been appointed to the editorial board of RadioGraphics, the premier educational journal in radiology, effective immediately.

- Maureen Black, PhD, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, was invited to serve on the advisory board of the Lancet Commission on Global Hearing Impairment, organized by Duke University. Dr. Black was also invited to serve on the WHO Committee to establish Guidelines for Complementary Feeding. Both appointments are two-year terms, starting in November.

- Miriam Blitzer, PhD, Professor, Department of Pediatrics, has been appointed to the Sanford Children’s Genomic Medicine Consortium External Scientific Advisory Committee. Her three-year term began in August 2019.

- Joseph Cheer, PhD, Professor, and Mary Kay Lobo, PhD, Associate Professor, both from the Department of Anatomy and Neurobiology, were appointed in 2019 to the editorial board, as reviewing editors, of eLife, the leading peer-reviewed open access scientific journal for the biomedical and life sciences.

- Mariusz Karbowiak, PhD, Department of Biochemistry and Molecular Biology, has been promoted to Associate Professor with Tenure in the Center for Biomedical Engineering and Technology.

The Department of Psychiatry would like to announce the formal title of Professor Emeritus to John Talbott, MD, Department of Psychiatry. Dr. Talbott served as the former chair from 1985 to 1999, and the department extends its deepest gratitude to Dr. Talbott for his legacy and progressive leadership.

Community Service

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

- Students and faculty from the Department of Physical Therapy and Rehabilitation Science (DPTRS) assisted the University of Maryland School of Medicine’s Chapter of the Student National Medical Association (SNMA) during their 17th Annual Health Fair, CommUNITY Fest, on September 28, at the world-renowned Lexington Market. This event allowed for students from all professions to engage and assist community members by promoting healthy habits, providing health screenings, and connecting community members to medical, social, and legal resources. Physical Therapy Students Matt Delapaz, and Lindsey Mathis, performed 22 screening procedures during the event under the guidance of Vincent Couroy, PT, DScPT, Assistant Professor in DPTRS. Separately, the Doctor of Physical Therapy Class of 2021, participated in a balance screening at the Baltimore County Department of Aging’s Run/Walk at Essex Community College on September 22. Sixty-two participants were screened using the STEADI balance screening tools.

- Linda Horn, PT, DScPT, MHS, and Rachel Skolky, PT, MSPT, DPT, both from the DPTRS, served as faculty leads for the Governor’s Proclamation for Falls Prevention Week, September 23–29. The Doctor of Physical Therapy (DPT) Class of 2021 participants included: Melanie Garrison, Jake Cannon, Blake Wood, Ashley Eckhart, Emily Edwards, Patrick Elleston, Eddy Chen, Kevin Brown, Nikhil Patel, Nicole Viscuso, Anthony Fontaine, Kachi Ude, Laura Osborne, Emily Barton, and Abrinia Williams.

In the News

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

- Todd Gould, MD, Associate Professor, Department of Psychiatry, was highlighted in the National Institute of Mental Health (NIMH) Director’s blog for his pioneering work in ketamine research. A safer alternative to ketamine, used to treat treatment-resistant depression (TRD), was identified through a cross-institute collaboration between the University of Maryland School of Medicine, NIMH, National Institute on Aging, and the National Center for Advancing Translational Science. For more information, https://www.nimh.nih.gov/about/director/messages/2019/new-hope-for-treatment-resistant-depression-guessting-right-on-ketamine.shtml

- William Carpenter, MD, Professor, Department of Psychiatry, was interviewed by Dateline. The episode reports on recently uncovered pages from the diary of John Hinckley, Jr., written after his arrest for the attempted assassination of President Ronald Reagan. Dr. Carpenter served as the defense psychiatrist during Hinckley’s trial and interviewed Hinckley for more than 45 hours. Ultimately, Hinckley was found not guilty by reason of insanity, and Dr. Carpenter was credited with increasing public awareness about severe mental illness. For information or to watch the episode, https://www.nbc.com/dateline/video/hinckley/4017341

- Dheeraj Gandhi, MBBS, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was highlighted in U.S. News and World Report’s story of “Medical Marvels.” The piece spotlighted Dr. Gandhi’s role in the clinical trial of MRI-guided focused ultrasound to the brain to treat neuropathic pain.

- Jessica Lee, MD, Instructor, Department of Obstetrics, Gynecology and Reproductive Sciences, along with colleagues from the University of Maryland Women’s Health Center, launched a new Complex Contraception Clinic in October 2019. The Complex Contraception Clinic serves women with medical factors that complicate their contraception options. The Center provides all methods of contraception, including but not limited to, long-acting reversible contraception and sterilization. The Center also offers contraception to adolescents and adults, including multiparous patients, and post-partum contraceptive planning. Contact the University of Maryland Women’s Health Center at (410) 706-2500 to request an appointment.
Congratulations to the following who have received honors!

- Monique Bellefleur, MD, Clinical Assistant Professor; Mark Dimino, MD, Assistant Professor; Stephanie Kahnroff, MD, Assistant Professor; and Anne Savarese, MD, Assistant Professor, all from the Department of Anesthesiology, have been named Baltimore Magazine’s 2019 “Top Doctors.”

- Margaret McCarthy, PhD, the James and Carolyn Fenkl Dean’s Professor and Chair, Department of Pharmacology, was honored with the 2019 Gill Transformative Investigators Award from the Gill Center for Biomolecular Sciences on September 25.

- William Regine, MD, FACR, FACRO, the Sadove & Fannie Schneider Foxman Endowed Chair and Professor in Radiation Oncology, and Elizabeth Nichols, MD, Associate Professor, also from the Department of Radiation Oncology, were recognized as Top Doctors in the November 2019 issue of Baltimore Magazine.

- Daniel Weinreich PhD, Professor, Department of Pharmacology, was honored by the University of Maryland School of Medicine’s Graduate Program in Life Sciences (GPILS) with the “Teacher of the Year” Award in October.

- Eric Weintraub, MD, Associate Professor, Department of Psychiatry, was awarded the title of “State of Maryland 2019 Community Star,” by the National Organization of State Offices of Rural Health. The organization is a central network to support rural communities, health professionals, and clinics to improve the health of individuals in small towns across the nation.

- Natalie Zlebnik, PhD, Assistant Professor, Department of Anatomy and Neurobiology, was selected to receive a Travel Fellowship to attend the 2020 Winter Conference on Brain Research in Big Sky, Montana. As a Panel Travel Fellow Awardee, she will receive complimentary registration and a travel reimbursement award of up to $1,000.

- Multiple members from the Department of Anatomy and Neurobiology received awards at the annual Graduate Program in Life Sciences (GPILS) and Office of Postdoctoral Scholar (OPS) Awards Ceremony on October 28.
  - Donna Calu, PhD, Assistant Professor, won the Alumni of the Year Award.
  - Natalie Zlebnik, PhD, Assistant Professor, received the Postdoctoral Fellow Excellence in Mentorship Award.
  - Carleigh Jenne, Graduate Student in the Masters Program in Cellular and Molecular Biosciences (Lab of Aasaf Keller, PhD, Professor and Interim Chair), received the MS Scholar Award.
  - Sasha Baghdadi, Neuroscience Student at the University of Maryland, College Park, was awarded the Neuroscience is Rewarding Scholarship by the American Academy of Neurology (AAN). Ms. Baghdadi and Melissa Motta, MD, MPH, Assistant Professor of Neurology, will work together to integrate and evaluate The Neurocritical Care Family Centered Checklist into an electronic patient portal. This communication tool is intended to provide education and guidance to loved ones of patients in the Neurocritical Care Unit at the University of Maryland Medical Center.

- Melissa Motta, MD, MPH, Program in Biomedical Engineering and Technology (BioMet); Pamela Wright,—IHVs: Patricia Hannon, Northwestern University, and Linda Kesselring, University of Georgia.

- Center for Cancer Research (CCR): James T. Moore, University of Maryland; and Michael Kastan, Dana-Farber Cancer Institute.

- Institute of Human Virology (IHV): Kari Coogan, National Cancer Institute; and Jessica Schutz, National Institutes of Health.

- Center for Integrative Biomedical Resources (CIBR): Keith Ward, University of California, San Francisco; and Dan Landau, New York University.

- Center for Innovative Biomedical Resources (CIBMTR): Thomas McNiff, Johns Hopkins University; and Andrew Pendergrass, University of Texas Southwestern Medical Center.

- Center for Research in Aging: Hannah Andrews, Department of Neurology, University of Maryland; and Robert C. Montine, University of Washington.

- Program in Clinical & Translational Research (CCTR): Howard Gruen,—IHVs: Patricia Hannon, Northwestern University, and Linda Kesselring, University of Georgia.

- Institute of Human Virology (IHV): Kari Coogan, National Cancer Institute; and Jessica Schutz, National Institutes of Health.

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