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

- Members of the Department of Radiation Oncology were among the presenters and session chairs at the annual meeting of the Society for Thermal Therapy on May 17–19 in Phoenix, AZ. Residents Cristina DeCesaris, MD, Stephanie Rice, MD, and Jill Remick, MD, and graduate student Sandrine Soman received New Investigator Awards of $500 each to support travel to the meeting. Zeljko Vujkaskovci, MD, PhD, Professor, co-chaired a session on Clinical/Therapeutics I: Trials, Experiences, Retrospectives, that included presentations from the following University of Maryland Medical Center residents: Jason Molitoris, MD, PhD; Emily Kowalski, MD; Cristina DeCesaris, MD; Jill Remick, MD; Stephanie Rice, MD; Sandrine Soman; and James Snider, III, MD.

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

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

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

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

- Gaurav Jindal, MD, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine and Marcella Wozniak, MD, PhD, Associate Professor, Department of Neurology, were featured in an article in The Baltimore Sun on June 5 detailing “New Guidelines for Treating Stroke Victims.”

- Judy LaKind, PhD, Adjunct Associate Professor, Department of Epidemiology & Public Health, was invited to present “How to Assess and Interpret Biomonitoring Data Once You Have it,” at the Workshop on the Feasibility of Addressing Environmental Exposure Questions Using Department of Defense Biorepositories, at The National Academies of Sciences, Engineering and Medicine, in Washington, DC on June 15. In addition, Dr. LaKind presented “Incident-Based Environmental Decision-Making: Problems and Progress,” at Bundesinstitut für Risikobewertung, in Berlin, Germany, on May 24.

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

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

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

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

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

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

- Charles Simone II, MD, Associate Professor, Department of Radiation Oncology, presented “Radical/Salvage Approaches” on May 4 at the International Conference of the International Meso-thelioma Interest Group in Ottawa, Canada. On May 5, Dr. Simone presented a talk at the 100th Annual Meeting of the American Radium Society in Orlando. In addition, Dr. Simone presented “Early Evidence
We applaud our colleagues on their recent appointments!

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

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

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

Adam Puche, PhD, Professor, Department of Anatomy & Neurobiology, was appointed Chair of the Maryland State Anatomy Board, effective May 25, 2018. The State Anatomy Board is an arm of the Maryland Department of Health and serves as the governing body for the statewide anatomical donor program.

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

Giovannino Silvestri, PhD, was appointed on July 1 as Research Associate, Program in Oncology, after five years as a Postdoctoral Fellow in the lab of Professor Danilo Perrotti, MD, PhD, in the Greenebaum Cancer Center.
Hats off to those who have been published!

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

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

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

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

- **Firas El Chaer**, MD, Medical Oncology and Hematology Fellow; **MBBS**, Associate Professor; and **Ying Zou**, MD, PhD, Associate Professor, both from Department of Pathology; **Pranshu Mohindra**, MD, Assistant Professor, Department of Radiation Oncology; **Maria Baer**, MD, Professor, and **Jennie Law**, MD, Assistant Professor, both from the Department of Medicine, were the authors of “Acute Onset Unilateral Proptosis,” e-published in the *American Journal of Medicine* on April 13, 2018.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- **Guang Li**, PhD, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Calcium Uptake and Cytochrome C Release from Normal and Ischemic Brain Mitochondria,” published in the July 2018 issue of *Neurochemistry International*.

- **Wan-Wen Liao**, OT, MSc, PhD Student, Edward Herskovits, MD, Assistant Professor of Medicine, and **Jill Whitall**, PhD, Professor, and **Sandy Hertzano**, MD, PhD, Assistant Professor, all from the Department of Radiation Oncology; **Maria Mohindra**, MD, Assistant Professor, and **Hats off to those who have been published!**

- **Miriam Lauber**, MD, Professor of Pediatrics and Associate Director of Malaria Research, Center for Vaccine Development and Global Health (CVD), and **Lauren Cohee**, MD, Instructor, Department of Pediatrics, CVD, wrote a commentary “Tackling Malaria Transmission in Sub-Saharan Africa,” published in *The Lancet* on April 13, 2018.
McCombe Waller, PT, PhD, MS, NCS, Associate Professor, all from the Department of Physical and Rehabilitation Science, along with Joseph Barton, PhD, PE, Assistant Professor, Department of Neurology, authored “Neural Motor Control Differences Between Bilateral Cerebral Cortex Lesion vs. Bilateral Dual-Goal Tasks,” published in the June 2018 issue of Experimental Brain Research.

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

Andrew Malinow, MD, Professor; Gary Fiskum, PhD, the M. Jane Matjasko Professor for Research and Vice Chair; Brian Polster, PhD, Associate Professor; Omar Alyamani, MD, Instructor; Shobana Bhadraei, MBBS, Assistant Professor; Jess Galey, MD, Assistant Professor; Rosemary Schuh, PhD, Research Assistant; and Joseph Kim, Visiting Medical Student, all from the Department of Anesthesiology; and Sarah Crimmins, DO, Assistant Professor, Department of Obstetrics, Gynecology and Reproductive Sciences, were co-authors of “Platelets in Preeclamptic Pregnancies Fail to Recover in Response to Lipopolysaccharidechallenge: The Role of Endothelial Cell Response to an Attenuated Live Cholera Vaccine Are Associated with Protection Against Vibrio cholerae Infection,” published in PNAS on May 11, 2018. Drs. Chen and Levine were also among the co-authors of “Anti-O-specific Polyaccharide (OSP) Immune Responses Following Vaccination with Oral Cholera Vaccine CVD 103-HGr Correlate with Protection Against Cholera After Infection with Wild-Type Vibrio cholerae O1 El Tor Inaba in North American Volunteers,” published in Ploas Neglected Tropical Diseases on April 6, 2018.

Danilo Ferroatti, MD, PhD, Professor, Department of Medicine, was among the co-authors of “Bone Marrow Niche Trafficking of miR-126 Controls the Self-Renewal of Leukemia Stem Cells in Chronic Myelogenous Leukemia,” published in Nature Medicine on May 3, 2018.

Jianfei Qi, PhD, Assistant Professor, Department of Biochemistry and Molecular Biology; Lingling Fan, PhD, Postdoctoral Fellow; and Songhui Xu, Dsc, Postdoctoral Fellow, both from the Program in Oncology; the Department of Medicine, and the Department of Microbiology, were among the co-authors of “Histone Demethylase JMJD1A Promotes Alternative Splicing of AR Variant 7 (AR-V7) in Prostate Cancer Cells,” published in the Journal of the National Academy of Sciences of the United States of America on April 30, 2018.

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

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

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

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

James Snider, MD, Assistant Professor, and Robert Malaya, MD, PhD, Professor, both from the Department of Radiation Oncology, were among the authors of “Long-Term Outcomes and Prognostic
Congratulations to our very productive faculty on their recent grants and contracts!

**Grants & Contracts**

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

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

- Gary Fiskum, PhD, the M. Jane Matjasko Professor for Research and Vice Chair, Department of Anesthesiology, Adam Puche, PhD, Professor, Department of Anatomy and Neurobiology, and Rao Gullapalli, PhD, MBA, Professor, Department of Diagnostic Radiology and Nuclear Medicine, were awarded a two-year, $354,000 grant from Maryland Stem Cell Research Fund 2018 Discovery Program. Dr. Mishra’s study, “Mesenchymal Stem Cells Preserve Right Ventricular Myocardium” is to interrogate molecular mechanism triggered by mesenchymal stem cell transplantation to promote reverse remodeling of the dysfunctional RV myocardium.

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

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

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

- Matthew Trudel, PhD, Associate Professor and Andrea Meredith, PhD, Associate Professor, both from the Department of Physiology, received a five-year, $1,944,840 competing renewal T32 training grant from the National Institute of General Medical Sciences. This inter-departmental training grant will continue support for the Training Program in Integrative Membrane Biology, inceptioned in 1967 and now in its 31st year of continuous funding. The grant provides support for pre-doctoral training in the biophysics, biochemistry, structure, cell and molecular biology, and physiology of biological membranes, through the Graduate Program in Life Sciences.
We welcome our new faculty!

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

- **Meredith McHugh, PhD, MSW.** joined the Department of Anatomy and Neurobiology as an Assistant Professor in May 2018. Dr. McHugh received her PhD in Psychology from Griffith University, Australia in 2010. Later that year she moved to Baltimore where she completed a postdoctoral fellowship at the National Institute on Drug Abuse, Intramural Research Program (NIDA-IRP). During her time at NIDA-IRP Dr. McHugh identified several neural circuits and large-scale brain networks involved in relapse to drug use following treatment. Dr McHugh returned to Australia in 2015 to pursue a Masters in Social Work. In her current appointment Dr. McHugh will support and develop an ongoing research program addressing the prevention and management of Opioid Use Disorders.

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

More information about our new faculty can be found on our website at [https://umbforms.wufoo.com/forms/z150ub5x10bz167/](https://umbforms.wufoo.com/forms/z150ub5x10bz167/).