

What's the Buzz?

AUGUST 2019 VOL.21 NO.7

SELF-REPORTED NEWS from the SCHOOL OF MEDICINE COMMUNITY



Andrea Meredith, PhD

In the Media

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

► **Andrea Meredith, PhD**, Associate Professor, Department of Physiology, was featured in the New York Times/Netflix documentary series "Diagnosis." The series follows Dr. Lisa Saunders, an associate professor of internal medicine and education at Yale School of Medicine, as she attempts to help patients with unique illnesses and searches for a cure using wisdom of the crowd methods. Dr. Meredith's was featured in Episode four "Looking For A Village," where she explains the function of the KCNMA1 ion channel. Filming in her lab shows the mice she's creating with transgenic modifications to the KCNMA1 gene and her research on the patient mutations in KCNMA1. Dr. Meredith and her research team in the Department of Physiology, **Hans Moldenhauer, PhD**, Postdoctoral Fellow, **Su Mi Park, PhD**, Postdoctoral Fellow, and First-Year Medical Student, **Mr. Cole Bailey**, compiled a companion comprehensive review naming the 'KCNMA1-Linked Channelopathy,' synchronized to the release of the



Netflix documentary. This review is a technical publication meant to be shared with physicians to quickly get them up to speed on the basic science and clinical phenotypes of the first patients known to have this disorder.

► **Daniel Morgan, MD**, Associate Professor, Department of Epidemiology & Public Health, was an author on a study that was featured in the *NY Times* article "10 Findings that Contradict Medical Wisdom. Doctors, Take Note."



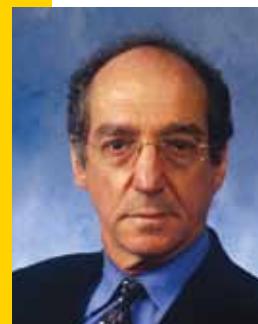
Daniel Morgan, MD, MS

Events, Lectures & Workshops

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

► The Department of Radiation Oncology was represented in multiple sessions at the 36th Annual Meeting of the Society for Thermal Medicine (STM), held April 28–May 2 in St. Pete Beach, Fla. Led by past-STM president **Zeljko Vujaskovic, MD, PhD**, Professor, presenters and session chairs from the Department of Radiation Oncology included Assistant Professors **Dario Rodrigues, PhD**, **J.W. Snider, MD**, and **Jason Molitoris, MD, PhD**; Residents **Christina DeCesaris, MD**, **Emily Kowalski, MD**, **Stephanie Rice, MD**, **Santanu Samanta, MD**, and **Osman Siddiqui, MD**; and **Erika Maynor**, Senior Director of Staff Operations. Dr. Kowalski also received an STM Scholar-in-Training Travel Award.

► More than a dozen physicists, physicians, and radiation biologists from the **Department of Radiation Oncology** attended the 2019 Particle Therapy Co-Operative Group (PTCOG) meeting, held June 10–15 in Manchester, UK. In addition to multiple podium and poster presentations, department members also served as moderators and as members of leadership and subject matter committees.



Gad Alon, PT, PhD

► **Gad Alon, PT, PhD**, Associate Professor Emeritus, Department of Physical Therapy and Rehabilitation Science, presented the Physical Medicine & Rehabilitation Distinguished Lectureship Series at the University of Texas, McGovern Medical School in Houston, Tex. on May 24. The title of his talk was "Functional Electrical Stimulation (FES): On the Road to Personalized Intervention." Additionally, Dr. Alon presented at RehabWeek 2019 which was held in Toronto, Canada from June 24–28. He presented a workshop titled, "Utility of Functional Electrical Stimulation (FES) in Rehabilitation Medicine's Continuum of Care."

Li-Qun Zhang, PhD, Professor, Department of Physical Therapy and Rehabilitation Science, also presented at RehabWeek 2019. Dr. Zhang was among the co-authors of three presentations: "Real-Time EMG Decoding of Continuous Wrist Movement Based on Machine Learning"; "Characteristics of Co-Activation & Co-Contraction at the Ankle in Children with CP"; and "Arm-Hand Rehabilitation Using a Wearable Exoskeleton with Haptic Feedback and Mixed Reality."

► **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, presented "What If We Miss the



Maureen Black, PhD

First 1000 Days, Implications for Childhood Development," at the annual meeting of the American Society of Nutrition in Baltimore, June 10.

► **James Borrelli, PhD**, Postdoctoral Fellow, Department of Physical Therapy and Rehabilitation Science, attended the 2019 World Congress of the International Society of Posture and Gait Research which was held in Edinburgh, Scotland, June 30–July 4. During the conference, Dr. Borrelli presented a poster titled, "Extending the Centre of Pressure to Include Handhold Forces" and presented a workshop on "Pursuing an Industry Position After Graduate School."

► **Svetlana Chapoval, MD, PhD**, Visiting Assistant Professor, Department of Microbiology and Immunology, presented "Targeting Neuroimmune Semaphorin 4A Signaling Pathways in Allergic Asthma" at the 12th International Frontiers in Immunology Research Conference in Vienna, Austria, July 1–4. During this conference, Dr. Chapoval participated in two round-table discussion session focused on recombinant proteins in modern medicine.



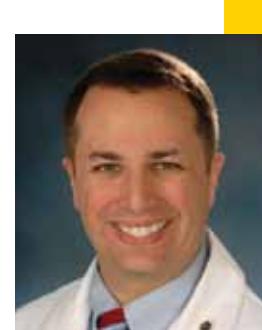
Vasken Dilsizian, MD

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, delivered two oral presentations: "Image-Guided Arrhythmia Management" and "Introduction of the Cardiovascular Council Hermann Blumgart Award Recipient" at the Society of Nuclear Medicine and Molecular Imaging 2019 Annual Scientific Sessions, which was held in Anaheim, Calif., June 22–25.



Svetlana Chapoval, MD, PhD

► **Samuel Galvagno, DO, PhD, FCCM**, Associate Professor, Department of Anesthesiology, was a featured



Samuel Galvagno, DO, PhD, FCCM

Events, Lectures & Workshops

Continued

international speaker for the 2019 Australia-New Zealand College of Intensive Care Medicine (CICM) annual scientific meeting in Cairns, Australia. The theme of the conference was "Trauma: A Crash Course." Dr. Galvagno gave five keynote talks on topics ranging from ECMO in trauma to management of coagulopathy and TBI. He also delivered the final closing talk for the conference and co-chaired a trainee symposium.



Marc Hochberg, MD, MPH, MACP, MACR

► **Marc Hochberg, MD, MPH, MACP, MACR**, Professor, Department of Medicine, hosted the semi-annual meeting of the Board of Directors of the U.S. Bone and Joint Initiative at the University of Maryland, Baltimore, June 6–7. Separately, he gave an invited lecture on the topic "Growth Factors and Cartilage" during the 2019 European League of Associations of Rheumatology (EULAR) annual meeting in Madrid, Spain on June 12.

► **Linda Horn, PT, DScPT, MHS, GCS, NCS**, Department of Physical Therapy and Rehabilitation Science, presented

"Developing Future Leaders of the Physical Therapy Profession" at the American Physical Therapy Association's NEXT Conference, June 12–15, in Chicago, Ill.

► **Brenda Hussey-Gardner, PhD, MPH**, Associate Professor, Department of Pediatrics, gave a keynote presentation "Developmental Interventions in the NICU," and an oral presentation "The Importance of Early Intervention for LBW Infants and Their Families" at the 3rd Global Summit on Pediatrics and Neonatology in London, England, June 17–18.



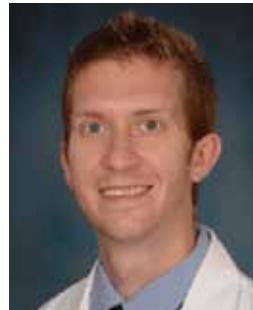
Linda Horn, PT, DScPT, MHS, GCS, NCS

► **Isabel Jackson, PhD**, Associate Professor, Department of Radiation Oncology, presented at the 23rd Nuclear Medical Defense Conference at the Bundeswehr Institute of Radiobiology in Munich, Germany on March 23, on the "Natural History of Disease Progression in a Rabbit Model of Acute Radiation Sickness Following Total Body Irradiation." Separately, Dr. Jackson presented "Transfusions as Medical Countermeasures," at a meeting of the Trauma Hemostasis and Oxygenation Research Network (THOR), June 23–26 in Bergen, Norway. In addition, Dr. Jackson presented "Translating Academic Research into Product Development: The Importance of Understanding GLPs at an Early Stage" on June 26 at the Drug Information Association's 2019 Global Meeting in San Diego, Calif. She was chair of the same session.



Isabel Jackson, PhD

► **Brian Johnson, OTR/L, PhD**, Postdoctoral Fellow, Department of Physical Therapy and Rehabilitation Science, gave an invited webinar talk on April 8, for The Canadian Partnership for Stroke Recovery, entitled "Use of Repetitive Acoustic Stimulation During Sleep to Enhance Non-Paretic Arm Performance in Individuals with Chronic Stroke."



Brian Johnson, OTR/L, PhD

► **Adeel Kaiser, MD**, Assistant Professor, Department of Radiation Oncology, was an invited speaker at the Miami Cancer Institute on June 28, addressing the topic "The Evolving Role of Integrative Strategies in Cancer Therapy."



John LaMattina, MD

► **John LaMattina, MD**, Associate Professor, Department of Surgery, presented his study, "Rat Liver Scaffolds Selectively Re-Endothelialized with Human Vascular Endothelial Cells Support Perfusion with Human Blood," at the 25th Annual Conference of the International Liver Transplantation Society in Toronto, Canada, May 15–18. The data demonstrated the ability to bioengineer livers compatible for human transplantation from organ scaffolds.



Thomas MacVittie, PhD

► **Thomas MacVittie, PhD**, Professor, Department of Radiation Oncology, presented two lectures at the Radiation Emergency Assistance Site/Training Center in Oak Ridge, Tenn., on April 30. The titles were "Linking the ARS and DEARE: Medical Countermeasures and Concurrent Multiple Organ Injury (MOI) in the Nonhuman Primate" and

"Neutron Radiobiology: Re-thinking the Prompt Radiation Exposure After an IND."



Pranshu Mohindra, MD, MBBS

► **Pranshu Mohindra, MD, MBBS**, Associate Professor, Department of Radiation Oncology, served as faculty in moderator at the annual meeting of the American Brachytherapy Society, in Miami, Fla, June 14–15.

► **Kristin Reavis, MD, MBBS**, Assistant Professor, and **Diana Carvajal, MD, MPH**, Assistant Professor, both from the Department of Family and Community Medicine, presented a workshop on "Achieving



Kristin Reavis, MD, MBBS

Equity in the Workforce: Exploring the Very Low and Declining Rates of Black Males in Medicine" at the Society of Teachers of Family Medicine Annual Spring Conference on April 27 in Toronto, Canada. Separately, Dr. Reavis presented a seminar on "US Work on Diversity & Allyship and Canadian Pursuit of Cultural Competence/Safety/Humility" at the same conference.



Dario Rodrigues, PhD

► **Dario Rodrigues, PhD**, Assistant Professor, Department of Radiation Oncology, presented "Zero-Order Mode Microwave Applicator for Hyperthermia Treatment of Cancer," at the European Microwave Conference in Central Europe (EuMCE) on May 14 in Prague, Czech Republic. Separately, Dr. Rodrigues and **Zeljko Vujaskovic, MD, PhD**, Professor, also from the Department of Radiation Oncology, were among the co-authors of

"MR Thermometry Validation and Modeling of a 915 Mhz Annular Phased-Array in Brain Phantoms" at the 33rd Annual Meeting of the European Society for Hyperthermic Oncology in Warszawa, Poland, May 22–24. In addition, Dr. Vujaskovic presented "Proton and Hyperthermia: Early Clinical Results" at the same conference.



Violeta Rus, MD, PhD

► **Violeta Rus, MD, PhD**, Associate Professor, Department of Medicine, presented "Response Gene to Complement-32 Exerts Proinflammatory and Profibrotic Effects in Immune Complex–Mediated Glomerulonephritis" at the American Association of Immunologists meeting held in San Diego, Calif., May 9–13. She also chaired the Block Symposium on "Novel Therapeutic Approaches in Lupus."

► **Nicole Shockcor, MD**, Postdoctoral Fellow, and **Rolf Barth, MD**, Professor, both from the Department of Surgery, presented multiple research and invited talks from their Vascularized Composite Allotransplantation Laboratory at the American Transplant Congress in Boston, Mass., June 1–5. Dr. Shockcor presented results from her two-year fellowship study with Uniformed Services University of the Health Sciences, "Adipose Stem Cells Promote Composite Tissue Engraftment."



Nevin Singh, PhD

► **Nevil Singh, PhD**, Assistant Professor, Department of Microbiology and Immunology, presented at the MOME Seminar, held at the University of Toledo College of Medicine & Life Sciences in Toledo, Ohio on April 14. The topic of his talk was "Necessary Evil: Why All Our T cells are Self-Reactive?"



Zeljko Vujaskovic, MD, PhD

► **Angela Trude, PhD**, Postdoctoral Fellow; **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics; and **Yan Wang, MD, DrPH**, Associate Professor; all from the Department of Pediatrics, presented "Maternal Anxiety Symptoms and Mother-Toddler Diet Quality Among WIC Participants," at the annual meeting of the American Society of Nutrition in Baltimore on June 8. Drs. Black and Wang also presented "Child Food Insecurity and Neighborhood Food Environment in Relation to Academic Performance and Behavior Problems Among a National Sample of Kindergarten Children" at the meeting.

► **Zeljko Vujaskovic, MD, PhD**, Professor, Department of Radiation Oncology, presented "New Available Technology" on June 5 at the Sociedad Espanola de Oncologia Radioterapica Congress/Sociedad Espanola de Oncologia Clinica Congress in Santiago de Compostela, Spain.

Honors & Awards

Congratulations to the following who have received honors!

► The **Department of Physical Therapy and Rehabilitation Science** was recently honored with the Legacy Partner Award from the Baltimore County Department of Aging. The Legacy Partner Award recognizes the campus' partnership to enhance the lives of older adults in Baltimore County.

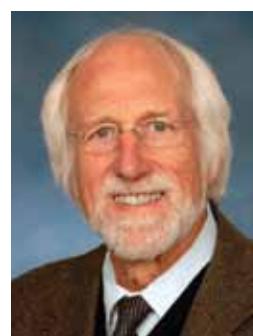


Donna Calu, PhD

► **Donna Calu, PhD**, Assistant Professor, Department of Anatomy and Neurobiology, was honored by President Trump as a recipient of the Presidential Early Career Awards for Scientists and Engineers (PECASE), the highest honor bestowed by the United States Government on science and engineering professionals in the early stages of their independent research careers.

► **William Carpenter, MD**, Professor, Department of Psychiatry, was recently named the 2019 SIRS Lifetime Achievement

Awardee from the Schizophrenia International Research Society (SIRS). Founded in 2005, SIRS aims to bring together scientists from around the world to exchange the latest advances in biological and psychosocial research in schizophrenia. The Lifetime Achievement Award honors a scientist who has made a significant contribution to the advancement of schizophrenia research.



William Carpenter, MD

► **Svetlana Chapoval, MD, PhD**, Visiting Assistant Professor, Department of Microbiology and Immunology, Center for Vascular and Inflammatory Diseases, presented her work titled "Plexin B1 Expression on Human Treg Cells is Required for Regulation of Their Phenotypic Stability by Semaphorin 4A," during the Immunology 2019 meeting in San Diego, Calif. in May. Dr. Chapoval received the Early Career Faculty travel award from the American Association of Immunologists to offset the cost of attending this meeting.



Dr. Gallo receiving his award at the ICAR conference in May.

► **Robert Gallo, MD**, the Homer & Martha Gudelsky Distinguished Professor in

Medicine, Director, Institute of Human Virology, received the International Society for Antiviral Research (ISAR) Award of Excellence and presented "Human Retroviruses (HTLV-1 and HIV): Current Therapy and Prevention," during the 32nd International Conference on Antiviral Research (ICAR) on May 13 in Baltimore.

► **Devang Gandhi, MBBS, MD, FRCPsych, DFASAM, DFAPA**, Clinical Associate Professor, Department of Psychiatry, was recently invited on behalf of the American College of Academic Medicine (ACAAM) and Office of National Drug Control Policy (ONDCP) to receive an Addiction Medicine (ADM) Champion Award. The honor was awarded on June 25 at the White House and during the event, "Building the Addiction Medicine Workforce; Giving Americans Access to the Care They Need." During the extension of the invitation, Dr. Gandhi was recognized by Dr. Kevin Kunz, Executive Vice President of the ACAAM, as a strong and inspirational force in fellowship development and as a dedicated and productive leader in the field.

► **Rebecca Henry, PhD**, Research Associate, Department of Anesthesiology, won the TEAM Award for her poster titled, "Micoglia Depletion and Repopulation During the Chronic Stages of Traumatic Brain Injury Improves Long-Term Neurological Recovery," at the National Neurotrauma Society Symposium held in Pittsburgh, Penn., June 29-July 3.



(L-R): The Honorable John Olszewski, County Executive for Baltimore County, Dr. Horn, and Laura Riley, Director of the Baltimore County Department for Aging

► **Linda Horn, PT, DScPT, MHS, GCS, NCS**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, received the

award on behalf of the University of Maryland, Baltimore, at the Annual Retired and Senior Volunteer Program (RSVP) Volunteer Recognition Luncheon. The luncheon was held at Martin's West on May 16. The award

was presented by the Honorable John Olszewski, County Executive for Baltimore County and Laura Riley, Director of the Baltimore County Department for Aging.

► **Stephanie Knight, MD**, Assistant Professor, Department Psychiatry, was awarded the Attending Physician Colleague Award at the Nurses Week Awards Ceremony on May 9. Dr. Knight was nominated by her nursing colleagues and peers, who personally recognized Dr. Knight's dedication to her role and level of personalized care for patients.



Stephanie Knight, MD

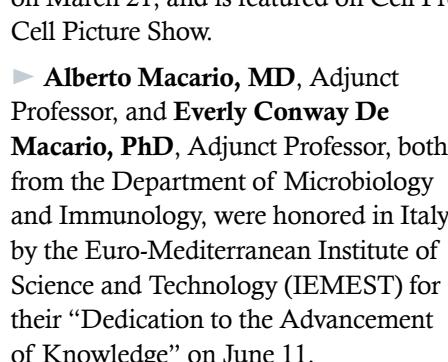
► **Margaret Lauerman, MD**, Assistant Professor, Department of Surgery, was awarded the Surgical Infection Society's Junior Faculty Clinical Research Fellowship Award. This award provides funding that will allow Dr. Lauerman to complete a project on long-term outcomes in patients with severe soft tissue infections.



Margaret Lauerman, MD

► **W. Jonathan Lederer, MD, PhD**, Professor, and **Carmen Mannella, PhD**, Visiting Professor, both from Department of Physiology and the Center for Biomedical

Engineering and Technology (BioMET), are among the creators of the image "Segmentation of Highly Convolved Mitochondrial Inner Membranes from Electron Microscopic Tomograms." The image was one of 11 finalists in the Art of Science Image Contest at the 63rd Annual Biophysical Society meeting, held in Baltimore, Md., on March 21, and is featured on Cell Press' Beauty in Biophysics 2019 Cell Picture Show.



Dr. Alberto Macario and Dr. Everly Conway De Macario receiving their awards

► **Alberto Macario, MD**, Adjunct Professor, and **Everly Conway De Macario, PhD**, Adjunct Professor, both from the Department of Microbiology and Immunology, were honored in Italy by the Euro-Mediterranean Institute of Science and Technology (IEMEST) for their "Dedication to the Advancement of Knowledge" on June 11.



Mary McKenna, PhD

► **Mary McKenna, PhD**, Professor, Department of Pediatrics, received the 4th annual J. Tyson Tildon Award for Excellence in Pediatric Research. The award was presented at the Department of Pediatrics Research Day on May 9. Dr. McKenna presented the awardee lecture "From Studies of Astrocytes and Neurons to the Goal of Protecting the Developing Brain: Challenges and Opportunities Along the Way."



Sandrine Niyongere, MD

► **Sandrine Niyongere, MD**, Assistant Professor, Department of Medicine, has been selected for the June 2019 class of the American Society of Hematology Clinical Research Training Institute, for her project "BCL-2 Inhibition in Chronic Myelomonocytic Leukemia."

► **Rekha Rapaka, MD, PhD**, Assistant Professor, Department of Medicine, received the Passano Physician Scientist award on May 6.



William Regine, MD, FACP, FACRO

► **William Regine, MD, FACP, FACRO**, the Isadore & Fannie Schneider Foxman Chair of the Department of Radiation Oncology, received a Lifetime Achievement Award as a 2019 Daily Record Health Care Hero.



Eric Weintraub, MD

► **Eric Weintraub, MD**, Associate Professor, Department of Psychiatry, was honored with the Board of Regents award for Excellence in Public Service, hosted by the University of Maryland, Baltimore, on April 19. Dr. Weintraub was recognized for his exceptional commitment to caring for opioid-addicted individuals by way of public health initiatives, including training Emergency Department (ED) physicians and expanding access to treatment methods.

Publications

Hats off to those who have been published!



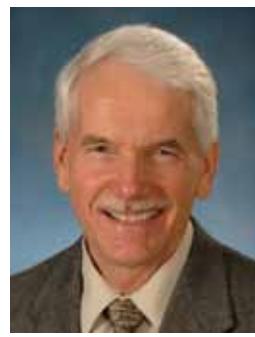
Odessa Addison, DPT, PhD

► **Odessa Addison, DPT, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was a co-author of "Mobility Improvements Are Found in Older Veterans After 6 Months of Gerofit Regardless of Body Mass Index Classification," which was published in the June 2019 issue of *Journal of Aging and Physical Activity*.

► **Bridget Armstrong, PhD**, Postdoctoral Fellow, and **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, both from the Department of Pediatrics, were among the co-authors of "Toddler Bedtime Routines and their Association with

Nighttime Sleep Duration, and Maternal and Household Factors," which was published in the *Journal of Clinical Sleep Medicine* on June 15, 2019.

► **Jeffery Babischkin, MS; Graham Aberdeen, PhD**, Associate Professor; and **Eugene Albrecht, PhD**, Professor; all from the Department of Obstetrics, Gynecology, and Reproductive Sciences, were among the authors of "Vascular Endothelial Growth Factor Delivery to Placental Basal Plate Promotes Uterine Artery Remodeling in the Primate," which was published in the June 2019 issue of *Endocrinology*.



Eugene Albrecht, PhD

► **Cynthia Bearer, MD, PhD, FAAP**, the Cobey Chair in Neonatology, Professor, Department of Pediatrics, was among the co-authors of "Insights in Pediatric Research," which was published in *Pediatric Research* on April 12, 2019.

► **Annabelle Belcher, PhD**, Assistant Professor; **Aaron Greenblatt, MD**, Assistant Professor; and **Eric Weintraub, MD**, Associate Professor; all from the Department of Psychiatry, were among the co-authors of "Opioid-Galanin Receptor Heteromers Mediate the Dopaminergic Effects of Opioids," which was published in *The Journal of Clinical Investigation* on March 26, 2019.



Annabelle Belcher, PhD

► **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, **Angela Trude, PhD**, and **Bridget Armstrong, PhD**, Postdoctoral Fellows, all from the Department of Pediatrics, published an invited commentary entitled "Prenatal WIC Participation: A Step Toward Human Capital Development," which was published in *JAMA Pediatrics* on July 1, 2019. Separately, Dr. Black, co-authored "Early Childhood Development: An Imperative for Action and Measurement at Scale," which was published in the May 2019 issue of *BMJ Global Health*; "The Global Scale for Early Development," in the

2019 edition of *Early Childhood Matters*; and "Long-term Associations Between Measles Vaccination and Child Growth, Cognitive, and Schooling Outcomes in Ethiopia, India, and Vietnam: A Cohort Analysis," in *Vaccine* on June 18, 2019. In addition, Drs. Black and Trude, published an invited commentary entitled, "Conceptualizations of Child Development Benefit From Inclusion of All Components of the Nurturing Care Framework," which was published in the August 2019 issue of *Journal of Nutrition*. Dr. Trude, was also the lead author, "The Impact of a Multilevel Childhood Obesity Prevention Intervention on Healthful Food Acquisition, Preparation, and Fruit and Vegetable Consumption on African-American Adult Caregivers," which was published in the *Journal of Public Health Nutrition* on May 22, 2019.

► **Mary Bollinger, DO**, Professor, Department of Pediatrics, was among the co-authors of "Fostering Effective Asthma Self-Management Transfer in High Risk Children: Gaps and Opportunities for Family Engagement," which was published in *Journal of Pediatric Health Care* on June 25, 2019.



Mary Bollinger, DO

► **James Borrelli, PhD**, Postdoctoral Fellow, Department of Physical Therapy and Rehabilitation Science, was a co-author of "Clinical Assessment of Reactive Balance Control in Acquired Brain Injury: A Comparison of Manual and Cable Release-From-Lean Assessment Methods," which was published in the June 2019 issue of *Physiotherapy Research International*.



Jonathan Bromberg, MD, PhD

► **Jonathan Bromberg, MD, PhD**, Professor, Department of Microbiology and Immunology, and **Wenji Piao, MD, PhD**, Research Associate, Department of Surgery, were among the co-authors of "CD4 T Cell Sphingosine 1-Phosphate Receptor (S1pr)1 and S1pr4 and Endothelial S1pr2 Regulate Afferent Lymphatic Migration," which was published in *Science Immunology* on March 15, 2019. In addition, Dr. Bromberg, along with **Richard Ugarte, MD, MHS**, Assistant Professor, Department of Medicine, and

Rolf Barth, MD, Professor, Department of Surgery, were among the co-authors of "Alemtuzumab Induction and Belatacept Maintenance in Marginal Pathology Renal Allografts," which was published in *Clinical Transplantation* on June 30, 2019.

► **Chris D'Adamo, PhD**, Associate Professor, Department of Family & Community Medicine, was a co-author of "Using Herbs and Spices to Increase Vegetable Intake Among Rural Adolescents," which was published in the *Journal of Nutrition Education and Behavior* on May 15, 2019.



Eduardo Davila, PhD

► **Eduardo Davila, PhD**, Professor; **Jonathan Bromberg, MD, PhD**, Professor; and **Stefanie Vogel, PhD**, Professor; all from the Department of Microbiology and Immunology; **Joseph Scalea, MD**, Assistant Professor; **Young Suk Lee, PhD**, Research Associate; and **Tianshu Zhang, PhD**; all from the Department of Surgery, were among the co-authors of "Myeloidderived Suppressor Cells Are Bound and Inhibited By Anti-Thymocyte

Globulin," which was published in the June 2019 issue of *Innate Immunity*.

► **Cristina DeCesaris, MD**, and **Stephanie Rice, MD**, Residents; **Mark Mishra, MD**, Associate Professor; and **Elizabeth Nichols, MD**, Assistant Professor; all from the Department of Radiation Oncology, were among the authors of "Quantification of Acute Skin Toxicities in Breast Cancer Patients Undergoing Adjuvant Proton vs Photon Radiation Therapy: A Single-Institution Survey," which was published in *International Journal of Radiation Oncology, Biology, Physics* on April 24, 2019.



Chris D'Adamo, PhD

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was a co-author of "Novel Myocardial PET/CT Receptor Imaging and Potential Therapeutic Targets," which was published in the April 2019 issue of *Current Cardiology Reports*. In addition, Dr. Dilsizian, was a co-author of "The Cardiorenal Axis: Myocardial Perfusion, Metabolism, and Innervation," which was published in the *Current Cardiology Reports* on May 20, 2019.



Mark Mishra, MD

► **Deanna Kelly, PharmD, BCPP**, Professor, Department of Psychiatry, recently presented the plenary address, "Schizophrenia and Gluten: A New Target and Precision Medicine" at the International Schizophrenia Research Society (SIRS) in Orlando, FL. The presentation results were published in the *Journal of Psychiatry Neuroscience* on March 27, 2019.

► **Nicole Klinedinst, PhD, MPH, MSN, RN, FAHA**, Associate Professor, University of Maryland School of Nursing; **Rosemary Schuh, PhD**, Adjunct Assistant Professor, Department of Neurology; **Steven Kittner, MD, MPH**, Professor, Department of Neurology;



Deanna Kelly, PharmD, BCPP

Publications

Continued

William Regenold, MDCM, Associate Professor, Department of Psychiatry; **Glenn Kehs, MD**, Assistant Professor, Department of Neurology; and **Gary Fiskum, PhD**, the Matjasko Professorship for Research in Anesthesiology and Vice Chair, Professor, Department of Anesthesiology, were among the co-authors of “Post-Stroke Fatigue As an Indicator of Underlying Bioenergetics Alterations,” which published in the *Journal of Bioenergetics and Biomembranes* on January 7, 2019.



Glenn Kehs, MD

► **Karen Kotloff, MD**, Professor, Department of Pediatrics; **Dilruba Nasrin, MBBS, PhD**, Assistant Professor, Department of Medicine; **William Blackwelder, PhD**, Adjunct Professor, Department of Epidemiology & Public Health; **Samba Sow, MD, MS**, Adjunct Professor, Department of Medicine; **Sharon Tennant, PhD**, Associate Professor, Department of Medicine; and **Myron M. Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor of Medicine and Associate Dean for Global Health, Vaccinology and Infectious Disease, were among the authors of “The Incidence, Aetiology, and Adverse Clinical Consequences of Less Severe Diarrhoeal Episodes Among Infants and Children Residing in Low-Income and Middle-Income Countries: A 12-Month Case-Control Study As a Follow-On to the Global Enteric Multicenter Study (GEMS),” which was published in *Lancet Global Health* on May 7, 2019.



Karen Kotloff, MD

► **Marta Lipinski, MD**, Associate Professor, and **Chinmoy Sarkar, PhD**, Research Associate, both from the Department of Anesthesiology, were among the co-authors of “The PARK10 Gene USP24 Is a Negative Regulator of Autophagy and ULK1 Protein Stability,” which was published in *Autophagy* on April 7, 2019.



Marta Lipinski, PhD

► **Mary McKenna, PhD**, Professor, Department of Pediatrics, was among the co-editors of a special issue “The 13th International Conference on Brain Energy Metabolism,” which was published as the August 2019 issue of *Journal of Neuroscience Research*.



Mary McKenna, PhD

► **Robert Miller, MD**, Professor, Department of Radiation Oncology, was among the authors of “Cost of Acute and Follow-Up Care in Patients with Pre-Existing Psychiatric Diagnoses Undergoing Radiation Therapy,” which was published in the *International Journal of Radiation Oncology, Biology, Physics* on March 21, 2019. In addition, Dr. Miller was among the authors of “Effect of Doxepin Mouthwash or Diphenhydramine-Lidocaine-Antacid Mouthwash vs Placebo on Radiotherapy-Related Oral Mucositis Pain: The Alliance A221304 Randomized Clinical Trial,” which was published in *JAMA* on April 6, 2019.



Robert Miller, MD

► **Arezoo Modiri, PhD**, Assistant Professor; **Stephanie Rice, MD**, Resident; and **Amit Sawant, PhD**, Associate Professor; all from the Department of Radiation Oncology, were among the authors of “Inverse Radiotherapy Planning Based on Bioeffect Modelling for Locally Advanced Left-Sided Breast Cancer,” which was published in *Radiotherapy and Oncology* on April 3, 2019.



Arezoo Modiri, PhD

► **Pranshu Mohindra, MD, MBBS**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Chemotherapy Versus Supportive Care for Unresected Malignant Pleural Mesothelioma,” which was published in *Clinical Lung Cancer* on March 26, 2019.



Pranshu Mohindra, MD, MBBS

► **Teodor Postolache, MD**, Professor, Department of Psychiatry, was among the

authors of “Longitudinal Homogenization of the Microbiome Between Both Occupants and the Built Environment in a Cohort of United States Air Force Cadets,” which was published in *Microbiome* in May 2019. Separately, Dr. Postolache was among the authors of “Infections, Anti-Infective Agents, and Risk of Deliberate Self-harm and Suicide in a Young Cohort: A Nationwide Study,” which was published in *Biological Psychiatry* on May 1, 2019.



Teodor Postolache, MD

► **Julie Proctor**, Lab Supervisor, Department of Anesthesiology; **Robert Rosenthal, MD**, Professor, Department of Emergency Medicine; and **Gary Fiskum, PhD**, the Matjasko Professorship for Research in Anesthesiology and Vice Chair, Professor, Department of Anesthesiology, were among the co-authors of “Oximetry-Guided Normoxic Resuscitation Following Canine Cardiac Arrest Reduces Cerebellar Purkinje Neuronal Damage,” which was published in *Resuscitation Journal* on May 4, 2019.



Julie Proctor

► **Feyruz Rassool, PhD**, Associate Professor, Department of Radiation Oncology, was among the authors of “Partnering with PARP Inhibitors in Acute Myeloid Leukemia with FL3-ITD,” which was published in *Cancer Letters* on April 3, 2019.



Feyruz Rassool, PhD

► **Jacques Ravel, PhD**, Professor, Department of Microbiology and Immunology, was among the co-authors on “Natural History, Dynamics, and Ecology of Human Papillomaviruses in Genital Infections of Young Women: Protocol of the PAPCLEAR Cohort Study,” which was published in *BMJ Open* on June 11, 2019.



Jacques Ravel, PhD

► **Violeta Rus, MD, PhD**, Associate Professor, Department of Internal Medicine, and **Horea Rus, MD, PhD**, Professor, Department of Neurology, were among the co-authors of “Role of C5b-9 and RGC-32 in Cancer,” which was published in *Frontiers in Immunology* on May 9, 2019.



Violeta Rus, MD, PhD

► **Douglas Savin, PT, PhD**, Assistant Professor; **Robert Creath, PhD**, Assistant Professor; and **Mark Rogers, PT, PhD, FAPTA**, Volunteer Adjunct Professor; all from the Department of Physical Therapy and Rehabilitation Science, were among the co-authors of “Aging Effects of Motor Prediction on Protective Balance and Startle Responses to Sudden Drop Perturbations,” which was published in the June 2019 issue of *Journal of Biomechanics*.



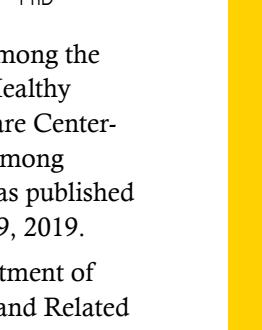
Douglas Savin, PT, PhD

► **Zeljko Vujaskovic, MD, PhD**, Professor, Department of Radiation Oncology, was among the authors of “Cellular Senescence and Radiation-Induced Pulmonary Fibrosis,” which was published in *Translational Research* on March 27, 2019.



Zeljko Vujaskovic, MD, PhD

► **Yan Wang, MD, DrPH**, Associate Professor; **Erin Hager, PhD**, Associate 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 among the authors of “Building Blocks for Healthy Children: Evaluation of a Childcare Center-Based Obesity Prevention Pilot Among Low-Income Children,” which was published in the *Journal of Nutrition Education and Behavior* on June 19, 2019.



Yan Wang, MD, DrPH

► **Lisa Wieland, PhD, MPH**, Assistant Professor, Department of Family & Community Medicine, authored “Acupuncture and Related Interventions for the Treatment of Symptoms Associated with Carpal Tunnel Syndrome: Summary of a Cochrane Review,” which was

published in the May 2019 issue of *Explore (NY)*.



Brittney Williams, MD

► **Brittney Williams, MD**, Assistant Professor; **Jessica Neder**, Research Specialist; **Ping Cui, MD**, Research Fellow; **Andrew Suen, MD**, Research Fellow; **Kenichi Tanaka, MD, MSc**, Professor; **Lin Zou, MD, PhD**, Assistant Professor; and **Wei Chao, MD, PhD, FAHA**, Anesthesiology Endowed Professor in Translational Research, Director, Translational Research Program, Vice-Chair for Translational Research, Associate Director, Center for Shock, Trauma and Anesthesiology Research; all from the Department of Anesthesiology and the Center for Shock, Trauma and Anesthesiology Research (STAR),

were among the co-authors of “Toll-Like Receptor 2 and 7 Mediate Coagulation Activation and Coagulopathy in Murine Sepsis,” which was published in the *Journal of Thrombosis and Haemostasis* on June 18, 2019.

► **Yanbao Xiong, PhD**, and **Wenji Piao, MD, PhD**, Research Associates, Department of Surgery, and **Jonathan Bromberg, MD, PhD**, Professor, Department of Microbiology and Immunology, were among the co-authors of “Lysolipid Receptor Cross-Talk Regulates Lymphatic Endothelial Junctions in Lymph Nodes,” which was published in *The Journal of Experimental Medicine* on July 1, 2019.



Jonathan Bromberg, MD, PhD

Appointments

We applaud our colleagues on their recent appointments!



France Carrier, PhD

► **France Carrier, PhD**, Professor, Department of Radiation Oncology, has been named as the co-leader of the Molecular and Structural Biology research program in the Marlene and Stewart Greenebaum Comprehensive Cancer Center (UMGCCC). She is the Director of Tumor Biology in the Division of Translational Sciences in Radiation Oncology, a Veteran’s Administration (VA) investigator, and a senior member of the UMGCCC. She has been continually funded by the National Institutes of Health and the VA for a significant part of her career. Dr. Carrier is well-known expert in basic and translational cancer research, with specific training and expertise in genotoxic stress response and cancer progression. Her basic cancer research studies include activation of stress-responsive RNA binding proteins and their specific involvement in regulating protein translation in cancer cells and her translational efforts focus on drug development and low dose fractionated radiation therapy.

► **Matthew Charles Terzi, VMD**, Assistant Professor, Department of Pathology, and a member of the Program of Comparative Medicine, received a promotion from Research Associate to Assistant Professor. Dr. Terzi has been a valued member of the School of Medicine since 2016.

► **Seemant Chaturvedi, MD**, the Stewart J. Greenebaum Endowed Professor in Stroke Neurology, and **Steven Kittner, MD, MPH**, Professor, both from the Department of Neurology, have been appointed to the American Heart Association/American Stroke Association (AHA/ASA) guidelines writing committee for secondary prevention of stroke. The AHA/ASA guidelines will update a previous 2014 scientific statement and will provide guidance for clinicians on optimal methods for stroke prevention.



to improve the overall efficiency of medical operations and medical readiness for over 70,000 Reservists. Using “lean” methodologies and other state-of-the art business practices, Colonel Galvagno spearheaded a “medical readiness campaign” to reduce case backlog and improve case processing for Reserve members with medical problems. His efforts resulted in a reduction of backlogged cases from over 2000 to less than 400 with an increase in case turnaround by over 88 percent. Colonel Galvagno continues his United States Air Force Reserve duties as a mobilization augmentee for the Surgeon General’s Chair at the Air War College, Maxwell, Ala.



Marcela Pasetti, PhD

► **Marcela Pasetti, PhD**, Professor of Pediatrics, Center for Vaccine Development and Global Health, will serve as Chair of the Immunity and Host Defense Study Section, Center for Scientific Review at the National Institutes of Health for a term beginning in July and ending June 2021.

► **Mary Rodgers, PT, PhD, FAPTA, FASB, FISB**, Professor Emeritus, Department of Physical Therapy and

Rehabilitation Science, is on the advisory committee for the K12 program, Rehabilitation Research Career Development Program, funded by the National Center for Medical Rehabilitation Research (NCMRR). She was recently at the University of Florida for the NCMRR annual meeting.



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

► **Geoffrey Rosenthal, MD, PhD**, Professor, Department of Pediatrics, was appointed to be on the Committee on Federal Government Affairs (COFGA). This appointment was effective on July 1, 2019 and will serve for a six-year term, contingent on Board re-appointment every 2 years.

► **John Talbott, MD, FACPpsych**, Clinical Professor, Department of Psychiatry, formally retired in June. Dr. Talbott

served as the fourth Chair of Psychiatry from 1985 to 1999. He served as a nationally prominent advocate for better treatment for persons with severe mental illness. Additionally, his widely popular book, *The Death of the Asylum*, was a landmark publication that championed the compassionate treatment of patients during a time when those in need faced stigmas and rapid deinstitutionalization from hospitals. Equally as important, Dr. Talbott mentored a new generation of young psychiatrists to focus on treating individuals with the most disabling mental disorders. Dr. Talbott recruited faculty within the Department, as well as expanded upon research and training programs—all while focusing on community and public psychiatry. He has contributed to the field of mental health by providing service to the American Psychiatric Association (APA), dating back to 1974. Dr. Talbott has served on a wide spectrum of state and national task forces, and has written 144 refereed articles, 60 books and 123 book chapters, and more. The Department of Psychiatry and School of Medicine would like to thank Dr. Talbott for his many years of service and wish him well on his retirement!



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

► **Roy Film, PT, MPT, DPT, OCS, FAAOMPT**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, has been appointed to serve on the American Academy of Orthopaedic Manual Physical Therapists (AAOMPT) three-person committee to prepare and present the United States’ bid to host the 2024 International Federation of Orthopaedic Manipulative Physical Therapists (IFOMPT) Conference. As a part of this three-person committee, Dr. Film will help to coordinate the presentation of the US bid during the IFOMPT 2020 Conference in Melbourne, Australia. The proposed US bid city has not yet been named.



Samuel Galvagno, DO, PhD, FCCM

► **Samuel Galvagno, DO, PhD, FCCM**, Professor, Department of Anesthesiology, was called to active duty earlier this past year to serve as the Surgeon General for Medical Operations (SGO) in the Office of the Command Surgeon, Robins Air Force Base, Atlanta, Ga. During this tour, Colonel Galvagno led Air Reserve Component efforts



John Talbott, MD, FACPpsych

New Faculty

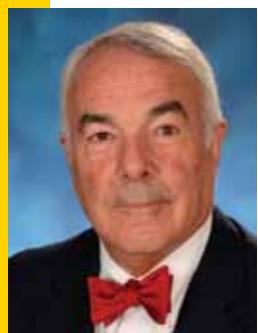
We welcome our new faculty!

► **Teklu Legesse, MD**, joined the Department of Pathology as an Assistant Professor in July 2019. Dr. Legesse received his MD from Gondor College of Medical Sciences, Gondor, Ethiopia, followed by a pathology residency at Addis Ababa University Medical Faculty, Addis Ababa, Ethiopia. Dr. Legesse completed his residency in Anatomic and Clinical Pathology as well as his fellowship with the Division of Cytopathology at the University of Maryland School of Medicine. He followed this with a fellowship with the Division of Genitourinary Pathology at Johns Hopkins Hospital, School of Medicine

► **Robert Rowland, PT, DPT**, joined the Department of Physical Therapy and Rehabilitation Science as an Assistant Professor in June 2019. Dr. Rowland also has a secondary appointment in the Department of Orthopaedics. Dr. Rowland comes to Maryland from EXOS, a human performance company headquartered in Phoenix, where he was a Tactical Physical Therapist to active duty soldiers with neuromusculoskeletal complaints.

Grants & Contracts

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



Alan Cross, MD
► **Alan Cross, MD**, Professor, Department of Medicine, received an extension of \$413,000 and a three-month extension for his Astellas grant now totaling \$7.2 million for “*E. coli* Epidemiology and PSL Study.”



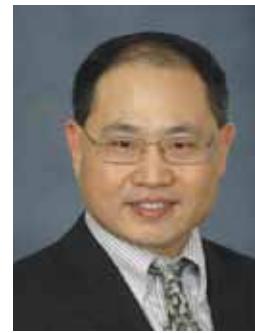
Alan Faden, MD

► **Alan Faden, MD**, the David S. Brown Professor in Trauma; **Bogdan Stoica, MD**, Associate Professor; and **David Loane, PhD**, Adjunct Associate Professor; all from the Department of Anesthesiology,

received a five-year, \$2,254,990 grant from the National Institute of Neurological Disorders and Stroke (NIH/NINDS) for “Reprogramming Microglial Epigenetic Pathways to Promote Cognitive Recovery After Brain Trauma.”



Christopher Jewell, PhD
► **Christopher Jewell, PhD**, Associate Professor, Department of Microbiology and Immunology, received a four-year, \$1,602,366 grant from National Institute of Allergy and Infectious Disease (NIH/NIAID) to use biomaterials to improve compliance in patients receiving immunotherapy.



Feng Jiang, MD, PhD

► **Feng Jiang, MD, PhD**, Professor, Department of Pathology, received a three-year, \$369,642 grant from the National

Cancer Institute for “A Diagnostic Model for Malignant Pulmonary Nodules.”



Marcela Pasetti, PhD
► **Marcela Pasetti, PhD**, Professor of Pediatrics, Center for Vaccine Development and Global Health, was awarded \$114,000 from Vaxart for “Analysis of Immune Responses to Norwalk Vaccine.”



Charlene Quinn, PhD, RN, FAAN

► **Charlene Quinn, PhD, RN, FAAN**, Associate Professor, Department of Epidemiology & Public Health, received a four-

month, \$50,000 award from the Maryland Department of Aging for “No Wrong Door Business Case Development—Hospital Transitions Project.”



Gloria Reeves, MD

► **Gloria Reeves, MD**, Associate Professor; **Sarah Edwards, DO**, Assistant Professor; **Teodor Postolache, MD**, Professor; **Heidi Wehring, PharmD**, Assistant Professor; and **Kathleen Connors, MSW, LCSW-C**, Instructor; all from the Department of Psychiatry, were recently awarded the 2019–2020 Accelerated Translational Incubator Pilot (ATIP) Award by the Institute for Clinical and Translational Research (ICTR). The cross-collaborative initiative includes the

Department of Pediatrics and Veteran Affairs Neurology, as well as the University of Maryland School of Pharmacy, and University of Maryland, Baltimore County Department of Psychology, with special thanks to **Robert Buchanan, MD**, Professor, Director of the Maryland Psychiatric Research Center (MPRC) and Dr. Postolache for their senior research mentorship. The grant focuses on pain issues among parents of youth with serious mental illness, and pilot data will be collected and used for the development of a parent pain intervention and NIDA grant. Additionally, the initiative will help to develop parallel clinical and training deliverables on this topic.

► **Shabnam Salimi, MD, MS**, Research Associate, Department of Epidemiology & Public Health, received a five-year, \$611,091 career award from the National Institutes of Health (NIH) for “Epigenetic Markers of Multimorbidity Assessment (EMMA) in Humans and Mice.”



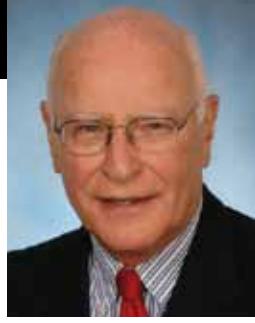
Marcelo Sztein, MD

► **Marcelo Sztein, MD**, Professor of Pediatrics, Center for Vaccine Development and Global Health, was awarded a five-year, \$2.84 million R01 grant from the National Institute of Allergy and Infectious Diseases (NIH/NIAID) for “Immune Mechanisms of Protection in *S. Typhi* infection.”

► **Natalie Zlebnik, PhD**, Postdoctoral Fellow, Department of Anatomy and Neurobiology, was awarded a \$1,061,248 K99/R00 Pathway to Independence Grant from the National Institute on Drug Abuse (NIDA/NIH) for “Effects of Exercise on Dopaminergic Mechanisms of Cocaine Relapse.”

Patents

We applaud the innovators among us!



Colin Mackenzie, MB, CHB, MD

► **Colin Mackenzie, MB, CHB, MD**, Professor Emeritus; **Peter Hu, PhD**, Associate Professor; **Shiming Yang, PhD**, Assistant Professor; all from the Department of Anesthesiology; and **Hegang Chen, PhD**, Professor, Department of Epidemiology & Public Health, are co-inventors for U.S. patent #10258292 "Method and Apparatus for Predicting a Need for a Blood Transfusion," effective April 16.

Community Impact

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



Mom Power team leaders from left to right: Mercedes Hightower, LCSW-C; Bri Fellows, LCSW-C; Lisa Andrews, LCSW-C; and Lauren Carpenter, LCSW-C, all from the Department of Psychiatry

or times of stress. In February, clinicians from each Division traveled to Michigan for training purposes. The first group meeting was held on April 10, 2019 and will continue to meet weekly with a core group of moms and their children. Each week, the group starts with a family breakfast, and then the children move to the Play Center while the moms have group time that is centered around parenting and self-care. The group closes with a circle time, a shared moment during which moms sing songs and read with their children.

► **The Department of Psychiatry** recently launched Mom Power, a collaboration among the Division of Consultation Liaison's Women's Mental Health Program, the Division of Child and Adolescent's Center for Infant Study, and the Division of Addiction Research and Treatment's OATS Program. Mom Power is a unique parenting education and attachment-based program developed by Maria Muzik, MD, at the University of Michigan, and supports families that may be facing adversity

To learn more about the Mom Power intervention, visit:
<https://medicine.umich.edu/dept/psychiatry/programs/zero-thrive/clinical-service/mom-power>

► Sixty-five students from the **DPT Class of 2021**, from the Department of Physical Therapy and Rehabilitation Science, participated at the 2019 UMB Wellness Fair held on April 2, 2019 at the SMC Campus Center. Their participation resulted in 59 volunteers being consented, totaling 128 volunteer visits at our 3 screening stations for a grand total of 288 screening procedures being performed. These procedures included Blood Pressure, Posture, and Upper and Lower Extremity Extensibility screenings. The students were engaging and represented the department well. The students were mentored by **Vincent Conroy, PT, DScPT**, Assistant Professor, and **Karen Gordes, PhD, PT, DScPT**, Assistant Professor, both from the Department of Physical Therapy and Rehabilitation Science.



DPT Students with Dr. Vincent Conroy

HOW TO SUBMIT INFORMATION TO THE *Buzz*

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

OR

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

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Research Communications Network

Many thanks to the following who serve as your liaison for the information you see in What's the Buzz?

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- **Center for Innovative Biomedical Resources (CIBR):** Thomas McHugh | tmchugh@som.umd.edu
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- **Program in Oncology:** Kelli Carroll | kcarroll@umm.edu

- **Program in Trauma:** Betsy Burcham | bburcham@umm.edu

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