



SELF-REPORTED NEWS from the SCHOOL OF MEDICINE COMMUNITY

Presentations, Events, Lectures & Workshops

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



Odessa Addison, DPT, PhD

► **Odessa Addison, DPT, PhD**, Assistant Professor, and **Marcel Lanza, PhD**, Postdoctoral Fellow, both from the Department of Physical Therapy and Rehabilitation Science, participated in the annual scientific meeting of the Gerontological Society of America, which was held virtually November 4–7, 2020. Dr. Addison presented: “Older Veterans with Chronic Pain Who Persist in Group Exercise Show Improved Mobility” and Dr. Lanza presented the poster presentation entitled: “Role of Intramuscular Fat and Lean Muscle in Surface Electromyography Amplitude of the Gluteus Medius in Older Adults.”

► **Afrah Abdul Wahid Ali, MBBS**, Instructor, Department of Emergency Medicine, was invited to speak on the topic, “What’s in a Name? A Discussion on Name-Based Microaggressions” at the FemInEM (Females Working in Emergency Medicine) Idea Exchange on July 17, 2020.

► **Kriti Chaplot, PhD**, Postdoctoral Fellow in the laboratory of **Iris Lindberg, PhD**, Professor, both in the Department of Anatomy and Neurobiology, gave an invited short talk at the Cold Spring Harbor Proteostasis meeting in November 2020 (Virtual), entitled “The Neural Chaperone proSAAS Phase-Separates into Cytoplasmic Spheres Which Efficiently Sequester TDP43.”

► **Jason Falvey, PT, DPT, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, gave a virtual talk on Thursday, October 29, 2020, for Marquette University as one of the four VCI-Marquette challenge lectures entitled, “Flattening the Disability Curve after Acute Hospitalization: Rehabilitation and Recovery in the Time of Coronavirus.”



Jason Falvey, PT, DPT, PhD

► **Roy Film, PT, MPT, DPT, OCS, FAAOMPT**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was an invited participant in a White House Virtual Round Table through the Office of National Drug Control Policy to discuss US opioid crisis mitigation. The event was held October 29, 2020.



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

► **Ronna Hertzano, MD, PhD**, Associate Professor, Department of Otorhinolaryngology-Head & Neck Surgery, organized—in collaboration with the Center for Comparative and Evolutional Biology of Hearing, University of Maryland, College Park—the 6th Annual Auditory and Vestibular Translational Research Day, which was focused on Genetic Hearing Loss and Gene Therapy. This year, as the day was virtual, there was record attendance with more than 305 participants from 20 countries.



Ronna Hertzano, MD, PhD

► **Sharon Hoover, PhD**, Professor, Department of Psychiatry, presented to the National Conference of State Legislatures on “Helping Students Access School Mental Health Services.” Held October 21, Dr. Hoover presented to state legislators from across the U.S. an overview of core components of a comprehensive school mental health system and examples of state legislative actions related to school mental health in 2020.



Sharon Hoover, PhD



Nancy Lever, PhD

► **Nancy Lever, PhD**, Associate Professor, Department of Psychiatry, was one of the featured presenters for a national webinar, “Student Mental Health During COVID-19: How to Prepare as Schools Reopen,” on September 4, 2020. The webinar was geared toward emergency managers, public health professionals (state and local health departments), and school administrators who are working together to create school reopening and response plans. The webinar was sponsored by the Mid-America Mental Health Technology Transfer Center (MHTTC) in collaboration with the MHTTC Network Coordinating Office, National Center for School Mental Health, U.S. Department of Health and Human Services, Office of the Assistant Secretary for Preparedness and Response (ASPR), and Office of the Assistant Secretary for Health (OASH).



Victoria Marchese, PhD, PT

► **Victoria Marchese, PT, PhD**, Associate Professor and Chair, Department of Physical Therapy and Rehabilitation Science, presented: “Neuromuscular Mechanisms that Contribute to Gross Motor Performance in Survivors of Childhood Acute Lymphoblastic Leukemia” at the University of Maryland Marlene and Stewart Greenebaum Comprehensive Cancer Center (UMGCC) Population Science 2020 Virtual Retreat on Friday, October 23, 2020.

► **Amal Mattu, MD**, Professor, Department of Emergency Medicine, was invited to deliver the following presentations:

- “Modern Management of Cardiogenic Pulmonary Edema,” “Cardiogenic Shock,” and “Pericarditis and Myocarditis” for University of California San Francisco/San Francisco General Hospital Emergency Medicine Grand Rounds on July 2, 2020
- “SubtleTs of Cardiac Ischemia” for University of KwaZulu-Natal Emergency Medicine Grand Rounds on July 17, 2020
- “Cardio-COVID” for Dr. Sulaiman Al Habib Medical Academy on July 28, 2020
- “Why We Miss Acute Coronary Syndrome” for Maimonides Medical Center Emergency Medicine Grand Rounds on July 29, 2020
- “High Risk Arrhythmias” and “Cardio-COVID” for George Washington University—India Emergency Medicine Master’s Degree Program’s Emergency Medicine Grand Rounds on August 6, 2020
- “Why We Miss Acute Coronary Syndrome” and “Wide-Complex Tachycardias: Myths and Pitfalls” for Charles E. Schmidt College of Medicine-Florida Atlantic University Emergency Medicine Grand Rounds on August 18, 2020
- “Why We Miss Acute Coronary Syndrome” for University of North Carolina Department of Emergency Medicine Grand Rounds on August 19, 2020
- “Cardiovascular Disorders, Parts I–IV: Valvular Heart Disease, Infective Endocarditis, Inflammatory Heart Disorders; Aortic Emergencies, Hypertension, Deep Venous Thrombosis, Peripheral Vascular Disease; Acute Coronary Syndrome, Complications of Acute Myocardial Infarction; and Congestive Heart Failure, Dysrhythmias, Syncope,” “ECG Review for the Board Exam,”



Amal Mattu, MD

“Cardiac Arrest Update,” and “Emergencies in the Elderly Patient” for the Ohio Chapter of the American College of Emergency Physicians’ Emergency Medicine Review Course on August 20 and 21, 2020

- “Influenza, COVID-19, and Matters of the Heart” for the European Society of Cardiology Annual Congress’s Symposium on Influenza, COVID-19, and Cardiovascular Disease on August 28, 2020
- “Cardiovascular Manifestations of COVID-19” for the SCP Health Medical Leadership Conference on September 2, 2020
- “Cardiac Ischemia ECG Workshop: Subtle ECG Manifestations of Ischemia” and “Classic, Confusing, and Confounding Cases in Emergency Cardiology” for the EMS World Expo on September 14 and 16, 2020
- “High Risk Arrhythmias” for Icahn School of Medicine at Mount Sinai Emergency Medicine Grand Rounds on September 23, 2020
- “Electrocardiography of Syncope” (keynote speech) for the EmbattLED: 23rd Annual Symposium on October 1, 2020
- “Emergency Electrocardiography Workshop” and “Emergency Cardiology Literature Update” for the 3rd International Red Sea Emergency Medicine Conference on October 10 and 11, 2020
- “Top Cardiology Articles of 2020” and “Cardiology Panel Discussion” for the American College of Osteopathic Emergency Physicians’ Scientific Assembly on October 13, 2020



Alisa Pravdo, PT, DPT, OCS, FAAOMPT

► **Alisa Pravdo, PT, DPT, OCS, FAAOMPT**, Assistant Professor, and **Peter Bowman, PT, DPT, FAAOMPT**, Assistant Professor, both from the Department of Physical Therapy and Rehabilitation Science, presented: “A Case Report on the Rehabilitation of a 12-year-old Ballet Dancer with Posterior Tibial Tendinopathy” at the American Academy of Orthopaedic Manual Physical Therapists (AAOMPT) Annual Conference, held virtually November 5–8, 2020.

► **Kelly Westlake, PhD, MSc, PT**, Associate Professor, and **Brian Johnson, OTR/L, PhD**, Instructor, NIH Postdoctoral

Fellow; Department of Physical Therapy and Rehabilitation Science, presented a virtual CEU course entitled: “Motor Learning in Rehabilitation: From Brain to Behavior” on October 22, 2020, as part of PT Month recognition at the Department of Physical Therapy and Rehabilitation Science.

► **Michael Winters, MD**, Professor, Department of Emergency Medicine, delivered the following presentations:

- “Abdominal and Gastrointestinal Disorders,” “Endocrine and Metabolic Disorders,” “Musculoskeletal Disorders,” “Neurology and Neurotrauma,” and “Written Board Review Quick Pearls” for the American Academy of Emergency Medicine’s Written Board Review course in July 2020
- “Clinical Pearls from the Recent Literature,” “Current Concepts and Controversies in COVID-19,” “Identifying Chest Pain Emergencies in the Outpatient Setting,” and “Managing Dangerous Allergies and Anaphylaxis” for MCE Conferences’ Emergencies in Primary Care continuing medical education conference in August 2020
- “Cruising the Literature: Top Articles in Critical Care,” “Peri-Arrest Pearls for a New Decade,” and “Undifferentiated Shock...Making a Difference” for the American College of Emergency Physicians’ Annual Scientific Assembly in October 2020

► The **National Center for School Mental Health (NCSMH)**, in partnership with the School-Based Health Alliance (the Alliance), kicked off the third year of the National Quality Initiative on School Health Services. The NCSMH and the Alliance hosted state leaders in health, behavioral health, and education from 12 states (Arizona, California, Illinois, Massachusetts, Minnesota, Missouri, Nevada,



Kelly Westlake, PhD, MSc, PT



Michael Winters, MD

New York, North Carolina, Ohio, Pennsylvania, South Carolina). These states will participate in a 12-month intensive learning collaborative, called a Collaborative Improvement and Innovation Network, to improve health in school-based health centers and comprehensive school mental health systems.

Also, The National Center for School Mental Health (NCSMH) completed the 20th year of the School Health Interdisciplinary Program (SHIP) Conference. There were 28 pre-recorded sessions and one live webinar between July 15–September 15. The conference was spearheaded by **Nancy Lever, PhD**, Associate Professor, and **Sylvia McCree-Huntley, EdD**, both from the Department of Psychiatry, and was attended by approximately 500 school professionals, counselors, health educators, nurses, psychologists, and other school administrators. The SHIP Conference is a multi-faceted approach to continuing education that provides comprehensive training on coordinated school health. This year’s theme was “Addressing the Needs of the Whole Child: What Works in School Health and Wellness.” The Conference focuses on topics vital to school professionals and is committed to advancing quality and sustainability in school health.

► The 79th annual meeting of the American Association for the Surgery of Trauma (AAST) and Clinical Congress of Acute Care Surgery was held virtually over a two-week period in September 2020. The **Program in Trauma** had an impressive number of presenters/moderators:

- **William Chiu, MD**, Associate Professor of Surgery, Program in Trauma, was one of five with a poster presentation in “Outcomes/Guidelines”
- **Joseph DuBose, MD**, Clinical Professor of Surgery, Program in Trauma, was among six presenters on “Challenges and Opportunities for Conducting Research Studies in the Deployed Setting”
- **Joseph DuBose, MD**, Clinical Professor of Surgery, Program in Trauma, presented “Clamshell Thoracotomy Better Facilitates Thoracic Life-saving Procedures Without Increased Complications Compared to Anterolateral Approach to Resuscitative Thoracotomy: Results from the AAST Aorta Registry”
- **Joseph DuBose, MD**, Clinical Professor of Surgery, Program in Trauma, presented “Do Patients with Minimal Blunt Thoracic Aortic Injury (BTAI) Require Tevar?”
- **David Feliciano, MD**, Clinical Professor of Surgery, Program in Trauma, and **Joseph DuBose, MD**, Clinical Professor of Surgery, Program in Trauma, were among 16 participating speakers in a short-course session “Trends, Updates and Controversies in Acute Care Surgery.” The session featured six “controversial” and current topics in trauma. Their topic “Technology and Vascular Trauma: Friends or Foes?”
- **David Feliciano, MD**, Clinical Professor of Surgery, Program in Trauma, served as Moderator, and **Joseph DuBose, MD**, Clinical Professor of Surgery, Program in Trauma, presented “Open vs Endovascular Approaches to Vascular Trauma—Complementary, not Competitive”
- **Sharon Henry, MD**, Professor of Surgery, Program in Trauma, was one of five presenters on “Achieving and Maintaining a Diverse Workforce: Lofty Goals and Strategic Plans Are Not Enough!” Each speaker discussed what has been most successful in their experience
- **Sharon Henry, MD**, Professor of Surgery; **Jose Diaz, MD**, Professor of Surgery; **David Feliciano, MD**, Clinical Professor of Surgery; and **David Efron, MD**, Professor of Surgery, all from the Program in Trauma, were among 13 speakers for a two-day Emergency Surgery Course
- **Rosemary Kozar, MD, PhD**, Professor of Surgery, Program in Trauma, was one of seven presenters on “Cutting Edge Case Management in Trauma, ICU, and Emergency Surgery”
- **Peter Hu, PhD**, Associate Professor, Department of Anesthesiology, presented “Comparison of Massive and Emergency Transfusion Prediction Scoring



Sharon Henry, MD



Rosemary Kozar, MD, PhD

Systems after Trauma with a New Bleeding Risk Index Score Applied In-flight”

- **Sydney Radding, MD**, Visiting Instructor, Department of Surgery, presented “A Pseudo-Dilemma: Are We Over-Treating Traumatic Splenic Intraparenchymal Pseudoaneurysms?”

Poster Presentations

- **Rogette Esteve**, Surgical Research Associate, Department of Surgery, (Faculty Mentor: **Jose Diaz, MD**), “Does Pre-Operative Resuscitation in Septic Emergency General Surgery (EGS) Patients Decrease Mortality?”
- **Grahya Guntur, ’21** (Faculty Mentor: **Joseph DuBose, MD**) presented “Contemporary Management of Axillosubclavian Artery Injuries: Data from the AAST PROOVIT Registry.”
- **William Teeter, MD**, Assistant Professor, Department of Emergency Medicine, “Machine Learning Improves Echocardiographic Assessment of Stroke Volume and Cardiac Output When Compared to Pulmonary Artery Catheter.”

- **Mira Ghneim, MD**, Assistant Professor, Department of Surgery, “Factors Influencing Change in Residence in Geriatric Patients with Mild Traumatic Brain Injury.”

Moderator

- **David Feliciano, MD**, Clinical Professor of Surgery, Program in Trauma, served as Moderator of “Open vs Endovascular Approaches to Vascular Trauma—Complementary, not Competitive”
- **Sharon Henry, MD**, Professor of Surgery, Program in Trauma, served as Moderator of eight paper presentations
- **Rosemary Kozar, MD, PhD**, Professor of Surgery, Program in Trauma, served as Moderator of four paper presentations

Feature Event

- **Sharon Henry, MD**, Professor of Surgery, Program in Trauma, participated in “Sip and Chat with Dr. Sharon Henry” session

Appointments

We applaud our colleagues on their recent appointments!



Maureen Black, PhD

► **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, has been appointed Associate Editor for *Pediatric Obesity*.

► **Laura Bontempo, MD, MEd**, Associate Professor, and **George Willis, MD**, Assistant Professor, both from the Department of Emergency Medicine, were named co-chairs of the American Academy of Emergency Medicine’s Scientific Assembly Planning Committee on October 1, 2020.

► **Jose Diaz, MD**, Professor, Department of Surgery, has been appointed the University of Maryland Medical Center (UMMC) Surgical Quality Officer (SQO). A relatively new role promoted by the American College of Surgeons, the “SQO leads efforts to establish and maintain the infrastructure and standards necessary to ensure that the surgical care provided within an institution is optimal and that all team members have the resources, tools, training, and competencies needed to provide safe, high-quality, cost-effective, and reliable care.” As SQO, Dr. Diaz will be responsible for building a surgical culture at UMMC focused on quality, safety, evidence-based and patient-centric care, and high-reliability organization principles across all surgical services lines. He will identify and implement targeted, data-driven, multidisciplinary initiatives aimed at improving patient care, efficiency, and the surgical patient experience and will serve as a key liaison to UMMC hospital administration, the Maryland Medicine Comprehensive Insurance Program (MMCIP), the Medical Executive Committee, SOM leadership and the UMMC Board of Directors. As SQO, Dr. Diaz will report directly to **Mangla**



Jose Diaz, MD

Gulati, MD, CPPS, FACP, SFHM, Chief Quality Officer, Associate Chief Medical Officer, and Vice President, Patient Safety and Clinical Effectiveness. Dr. Diaz holds a secondary appointment in the Department of Epidemiology & Public Health and is currently the President of the Maryland Chapter of the American College of Surgeons.



David Mallott, MD

► **David Mallott, MD**, formerly the Associate Dean of Medical Education and currently Adjunct Associate Professor, Department of Psychiatry, has been appointed Deputy Editor of the *Journal of Nervous and Mental Disease*, the world’s oldest independent scientific monthly in the field of human behavior which is housed in the Department of Psychiatry. Dr. Mallott is responsible for monthly podcasts with authors on hot topics and digital content of the journal.

► The Division of Consultation Liaison is currently expanding with its Integrated Care Initiative (ICI). **Madeline Marks, PhD**, Faculty Member, Department of Psychiatry, is the first member of the Shock Trauma ICI team in place. She is currently reviewing clinical records and organizing a needs assessment to assess the project’s scope and priorities more thoroughly. Together, Dr. Marks and a consulting psychiatrist will develop a collaborative, proactive intervention system to improve behavioral management. The goal is to improve Shock Trauma’s effectiveness in identifying and addressing behavioral problems before they develop into crisis.

► **Rachel Skolky, PT, DPT, GCS**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, will be serving as Vice President of the Mid-Atlantic Consortium of Clinical Education for the term November 2020–November 2021.

New Faculty

We welcome our new faculty!

► **Francesca Okolie, DO, MPH**, joined the Department of Pediatrics and the Division Neonatology on July 20, 2020. Dr. Okolie obtained her Doctor of Osteopathic Medicine from Nova Southeastern University College of Osteopathic Medicine in Davie, Fla., in 2014. Dr. Okolie received a Master of Public Health from Mailman School of Public Health, Columbia University, New York, N.Y., in 2010. She did a Pediatrics Residency at University of Pittsburgh Medical Center Children’s Hospital of Pittsburgh, Pittsburgh, Pa., from 2014 to 2017, during which she was a Chief Resident PALS Tracks from 2016 to 2017. She followed this with a Neonatal-Perinatal Medicine Fellowship at Columbia University Medical Center/NY Presbyterian Hospital, New York, N.Y., during which she was a Chief Fellow in 2019 with an anticipated graduation in 2020.

Honors & Awards

Congratulations to the following who have received honors!

► **Omer Awan, MD, MPH, CIIP**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, received the American Roentgen Ray Society's 2021 Melvin M. Figley Fellowship in Radiology Journalism. Recipients of this award are given the opportunity to learn the fundamentals of medical writing, manuscript preparation and editing, peer review, the ethics of scientific journalism, and journal publication and printing through hands-on experience with the *American Journal of Roentgenology* Editor-in-Chief and production staff.



Sonia Bansal, PhD

► **Sonia Bansal, PhD**, Instructor, Department of Psychiatry, was recently awarded a 2020 Young Investigators Grant by the Brain & Behavior Research Foundation (BBRF). The Young Investigators awards note those pursuing neurobiological and psychiatric research and is inclusive of basic, translational, and clinical researchers. The Foundation focuses on methods of treatments, cures, and preventative measures to promote overall mental wellbeing and productivity. Dr. Bansal's project will focus on the development of information regarding the contributions of disruptions in corollary discharge to psychosis symptoms, a neural mechanism.

Dr. Bansal will use a behavioral assessment in combination with evaluations of positive psychotic symptom and electrophysiology across two sensory modalities in hopes of verifying that corollary discharge disruptions are associated with quantified abnormalities in agency-related symptoms.



Robert Gallo, MD

► **Robert Gallo, MD**, The Homer & Martha Gudelsky Distinguished Professor in Medicine, Director, Institute of Human Virology, received the Gertrude Elion Distinguished Lecturer Award at the HIV DART & Emerging Viruses event, which was held December 6-8, 2020. The next day, Dr. Gallo also was honored with the International Magna Graecia Prize, presented by the Magna Grecia Foundation during its International Meeting held on December 9, 2020. The Italian Prize, created in 1997 "has been bestowed to the most influential people who contributed to the promotion of Italianate in the world, to those who, through their own

activities, have been committed to take Italian culture out of our national borders: Italians and Italians of origin who have embodied and symbolized, in the most diverse sectors, the best qualities of our country." Previous honorees include the President of the Argentine Republic Mauricio Macri, the Governor of the State of New York George Pataki, the Minister of Foreign Trade of Canada Sergio Marchi, and the Argentine Minister of Tourism Francisco Mayorga, among others.

► **Davene Hinton**, Department of Psychiatry, was recently awarded the 2020 Unsung Hero Award at the 32nd Annual Tuerk Conference on Mental Health & Addiction Treatment on September 10 by the Maryland Center of Excellence on Problem Gambling. Davene was recognized for her role as Program Assistant in working with Center staff and Maryland's organizations and residents to connect them to the Center's resources they need for problem gambling awareness, prevention, treatment, and recovery.



Richard Lichenstein, MD

► **Richard Lichenstein, MD**, Professor, Department of Pediatrics, was awarded the 2020 Maryland Emergency Medical Services (EMS) for Children Award. The award is given to an adult or program that has demonstrated ongoing dedication and commitment to improving the care for children and for promoting family centered care in a Maryland EMS program or hospital.

► **Brian Mathur, PhD**, Associate Professor, Department of Pharmacology, and Director of Graduate Education for the Program in Neuroscience, was awarded the 2020 Dr. Mark E. Shirtliff PhD Student Mentor Award from the UMSOM Graduate Program in Life Sciences.



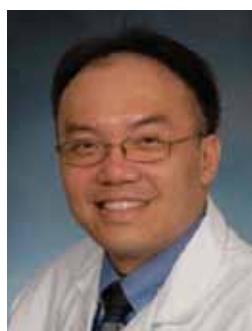
Brian Mathur, PhD

► **Andrea Meredith, PhD**, Professor, Department of Physiology, received the 2021 Biophysical Society Award in the Biophysics of Health and Disease, for her work on the new neuromuscular disorder, KCNMA1 Channelopathy. This award honors a Biophysical Society member who has made a significant contribution to understanding the fundamental cause or pathogenesis of disease, enabling the treatment or prevention. The award will be presented at the upcoming 2021 annual meeting of the Biophysical Society in February.



Andrea Meredith, PhD

► **Sydney Radding, MD**, Visiting Instructor of Surgery, Program in Trauma, was awarded the Associate Member Oral and Paper Award for her abstract "A Pseudo-Dilemma: Are We Over-Diagnosing and Over-Treating Traumatic Splenic Intraparenchymal Pseudoaneurysms?" at the 79th annual meeting of the American Association for the Surgery of Trauma (AAST) and Clinical Congress of Acute Care Surgery in September 2020.



Quincy Tran, MD

► **Quincy Tran, MD**, Assistant Professor, Department of Emergency Medicine, was named a Distinguished Reviewer of the Year by the *Western Journal of Emergency Medicine* on October 29, 2020, in recognition of his outstanding dedication and excellent service to the journal.

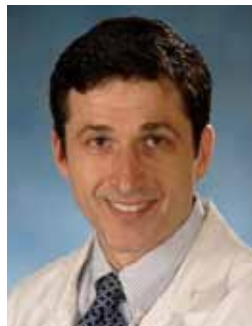
► **Alexandra Vlk**, an MD/PhD student in Dr. Stefanie Vogel's Lab, was named as a Society for Leukocyte Biology Video Abstract Merit Finalist for her slide presentation, followed by a Q&A session, at their most recent society meeting.

► The American Association for the Surgery of Trauma held a Diversity & Inclusion Scholarship Essay Competition. Congratulations to the following:

- **Bethany Strong, MD**, Visiting Instructor of Surgery, Program in Trauma, was awarded second prize for her essay "Equity and Inclusion in Acute Care Surgery: A Multifaceted Approach." Her essay addressed diversity, equity and inclusion in surgical training, patient care provided and surgical leadership.
- **Pranaya Terse**, Medical Student, received first prize for her essay "Rethinking Diversity, Equity, and Inclusion in an Acute Care Surgery Setting." Her essay addressed shifts in the global population and the growing underrepresented minority (URM) community in America, which has increased the number of culturally diverse patients entering acute care surgery wards. As a result, new policy goals were proposed to properly treat the rising number of URM patients at a standard equal to that of non-URM patients.

► The following Department of Emergency Medicine faculty members were named Top Doctors in *Baltimore* magazine's November 2020 issue:

- **Michael Abraham, MD**, Adjunct Assistant Professor, in the Emergency Medicine category
- **Amitabh Chandra, MD**, Assistant Professor, in the Emergency Medicine category



Brian Corwell, MD

• **Brian Corwell, MD**, Assistant Professor, in the Emergency Medicine, Pediatric Sports Medicine, and Sports Medicine (Non-Surgical) categories

• **Jaron Santelli, MD**, Assistant Professor, in the Emergency Medicine—Trauma and Sports Medicine (Non-Surgical) categories

• **Stephen Schenkel, MD, MPP**, Associate Professor, in the Emergency Medicine category

- **Michael Winters, MD**, Professor, in the Emergency Medicine—Trauma category



Amitabh Chandra, MD



Jaron Santelli, MD

► Each year the Surgical Critical Care Program Directors Society (SCCPDS) awards a Surgical Critical Care fellow with its Excellence in Research Award. The Program in Trauma is proud to announce that the 2020 recipient is **Howard Pryor, MD**, for his abstract titled “Ending the Pain: A Function and Comfort Trauma Scored (FACTS) as an Alternative to the Numeric Pain Score.” Dr. Pryor was awarded \$2,000 plus reimbursement to attend the virtual 2020 American College of Surgeons Clinical Congress. Three additional fellows were awarded an Honorable Mention and each awarded \$1,000. They

include **Sydney Radding, MD**, for her abstract titled “A Pseudo-Dilemma: Are We Over-Diagnosing and Over-Treating Traumatic Splenic Intraparenchymal Pseudoaneurysms?”, **Sagar Dave, MD**, for his abstract titled “Augmented Reality Display for Fiberoptic Intubation is Feasible, and **Emily Esposito, DO**, for her abstract titled “Incidence of Healthcare-Associated Infections in Patients with Fever During the First 48 hours After Decannulation.” The Program in Trauma would also like to recognize and thank the faculty collaborators.

Grants & Contracts

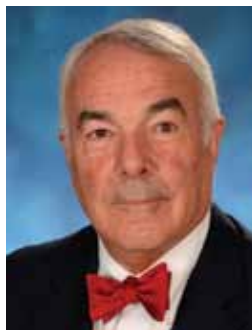
Congratulations to our very productive faculty on their recent grants and contracts!

► The National Center for School Mental Health (NCSMH) received the grant, “COVID-19 Response: Mental Health in Schools from the American Academy of Pediatrics” as a sub-award of their funded grant from the Centers for Disease Control & Prevention (CDC). The grant to DCAP/NCSMH is \$200,000 per year. **Jill Bohnenkamp, PhD**, Clinical Assistant Professor, is the Principal Investigator, with **Sharon Hoover, PhD**, Professor, **Nancy Lever, PhD**, Associate Professor, and **Cindy Schaeffer, PhD**, Associate Professor, all from the Department of Psychiatry, as additional investigators. The project aims to expand the Training, Education, Assistance, Mentoring, and Support (TEAMS) model, a CDC-funded successful learning collaborative model, which supports school districts to overcome barriers by engaging in a systematic, planned process to improve health services. Participating school district teams will be guided through a process to engage stakeholders and foster partnerships to support improvements in comprehensive school mental health services. The NCSMH team will also conduct the evaluation of the project.



Jill Bohnenkamp, PhD

► **Alan Cross, MD**, Professor, Department of Medicine, was awarded \$2.1 million on September 24, 2020 from Nosocomial Vaccine Corporation, for “Development of a Multivalent Vaccine to Prevent Invasive-Mod 5&6.”



Alan Cross, MD

► **Matthew Frieman, PhD**, Associate Professor, Department of Microbiology & Immunology has been awarded two new grants. 1) Department of Homeland Security/National Biodefense Analysis and Countermeasures Center (DHS/NBACC): “Engineering and Validation of Reporter Cell Lines for SARS-CoV-2” 2) Emergent Biosolutions: “Evaluation of COVID-Human Immunoglobulin Dose Ranging Efficacy in Mouse Model of SARS-CoV-2.”



Matthew Frieman, PhD

► **Isabel Jackson, PhD**, Associate Professor, Department of Radiation Oncology, was awarded a one-year \$30,035 subcontract to National Institute of Allergy and Infectious Diseases (NIAID) HHSN272201800012C grant from Innovation Pathways LLC for “Acute Radiation-Induced Lung Injury in the Rhesus Macaque and its Treatment by IPW-5371, a Small Molecule Inhibitor of TGFβ Receptor-1 Kinase” (\$30,035, one-year). She also received a one-year \$297,637 award from Eagle Pharmaceuticals for “A Pilot Study to Assess Therapeutic Efficacy for Ryanodex to Improve 30-day Survival Versus the Vehicle Control in Total Body Irradiated Mice (C57BL6), Non-GLP.”



Isabel Jackson, PhD

► **Karen Kotloff, MD**, Professor, Department of Pediatrics, was awarded \$5.4 million from the National Institute of Allergy and

Infectious Diseases (NIAID) for “Moderna-VTEU/IDCR-Phase III Vaccine Trial-Modification.”

► **Robert McCann, PhD**, Postdoctoral Fellow, Department of Pediatrics, was awarded \$668,103.00 on September 15, 2020 from the National Institutes of Health (NIH) for “K01 Fogarty Impact of Malaria Vector Diversity on Intervention Strategies.”

► **Michelle Shardell, PhD**, Professor, and **Rebecca Miller Brotman, PhD, MPH**, Professor, Department of Epidemiology & Public Health, received a one-year \$569,876 NIH R56 grant for “Methods to Test Lifestyle, Vaginal Microenvironment and Genitourinary Symptoms Across Menopause Transition.” The goal of this project is to develop and apply statistical methods to assess the longitudinal association between lifestyle, the vaginal microenvironment, and genitourinary symptoms across menopause transition.



Karen Kotloff, MD



Rebecca Miller Brotman, PhD, MPH



Marc Simard, MD, PhD

► **Marc Simard, MD, PhD**, the Dr. Bizhan Aarabi Professor in Neurotrauma, Department of Neurosurgery, was awarded a \$100,000 grant from the Kahlert Foundation to study “Glyburide as a Novel Treatment for COVID-Positive Patients with Severe Inflammatory Lung Disease.” The Kahlert Foundation also funds ongoing research for Dr. Simard related to neuropathic pain.

► **Samuel Tisherman, MD**, Professor of Surgery, Program in Trauma, and **Adam Puche, PhD**, Professor, Department of Anatomy and Neurobiology, are Co-PI’s on a \$998,132 grant awarded by the Department of Defense (DOD) for “Medic Surgical Technical Assistance Tool (mSTAT) Development and Testing.”



Samuel Tisherman, MD



R. Gentry Wilkerson, MD

► **R. Gentry Wilkerson, MD**, Associate Professor, Department of Emergency Medicine, received approval in early October 2020 to begin enrolling subjects in a new clinical trial assessing Regeneron’s monoclonal antibody cocktail for the treatment and prophylaxis of COVID-19. He has partnered with **Joel Chua, MD**, Assistant Professor, Department of Emergency Medicine, and **Shivakumar Narayanan, MBBS, MD**, Assistant Professor, Department of Medicine, as principal investigators of three clinical trials assessing Regeneron’s monoclonal antibody cocktail for the treatment of COVID-19 in hospitalized and ambulatory patients as well as for prophylaxis to prevent infection in people exposed to COVID. The studies were approved to enroll as of the beginning of October.

In the News

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



Elizabeth Clayborne, MD, MA

► **Elizabeth Clayborne, MD, MA**, Adjunct Assistant Professor, Department of Emergency Medicine:

- Delivered a TedX talk, “How to Protect Your Body and Your Doctor’s Soul During COVID-19,” on October 27, 2020.
- Reached the finals of the Ignite Healthcare Network’s pitch competition as the People’s Choice winner on October 29, 2020. Dr. Clayborne was pitching a novel epistaxis device, Bleed Freeze, and representing her medical device startup company, Emergency Medical Innovation, LLC.

► **Dana Cunningham, PhD**, Adjunct Assistant Professor, Department of Psychiatry, was featured in the Maryland Community Health Resources Commission’s newsletter in an article entitled “Prince George’s School Mental Health Initiative Receives a CHRC COVID-19 Emergency Relief Grant to Expand Telemental Health Services to Students in Prince George’s County.” In the article, Dr. Cunningham discusses the purchase and distribution of emergency provisions while schools are shut down.



Dana Cunningham, PhD

► On August 24, **Sharon Hoover, PhD**, Professor, Co-Director, National Center for School Mental Health (NCSMH), and Director, NCTSN Center for Safe Supportive Schools, along with **Ashley Woods, LCSW-C**, Senior Clinician at the UMSOM School Mental Health Program, both from the Department of Psychiatry, were interviewed for *WYPR’s On the Record*. Sheilah Kast, the show’s host, asked about the unique mental health challenges facing students today in the contexts of COVID-19, racism, and virtual learning. Dr. Hoover and Ms. Woods shared expertise from research and professional experiences on how students both nationally and in Baltimore are handling the current stressors.



Sharon Hoover, PhD

► **David Marcozzi, MD**, Associate Professor, Department of Emergency Medicine, was interviewed and quoted in the following news items:

- A discussion of possible therapies for President Trump’s case of COVID-19 on Baltimore’s *Fox 45 News* October 2, 2020
- A story on the increase in coronavirus cases in the region since the end of September on DC’s *WAMU 88.5* on October 12, 2020
- “Coronavirus Cases in DC and Maryland Have Been on the Rise Since Late September” on *DCist* October 12, 2020
- “Maryland Medical Experts Challenged by Public Skepticism of COVID-19 Vaccine” on *Maryland Matters* on October 29, 2020
- “State Leaders Grapple with COVID-19 Vaccine Challenges, Even before Vaccine Exists” on Baltimore’s *WYPR 88.1* on October 29, 2020
- “State Roundup: Record Early Voting Continues; Leaders Grapple with Vaccine Distribution to a Skeptical Public” on *MarylandReporter.com* October 29, 2020



David Marcozzi, MD

- “Maryland Hospitals Hope to Avoid Surge” in the *Baltimore Sun* on October 30, 2020
- “Maryland Once Again Renews State of Emergency during Pandemic” on DC’s *WTOP 103.5* on October 30, 2020
- “As Third Wave of COVID-19 Hits U.S., Maryland Hospitals Prepare for Potential Spike in Patients” on Baltimore’s *WYPR 88.1* on November 2, 2020

► **Amal Mattu, MD**, Professor, Department of Emergency Medicine, was a featured speaker or invited discussant with:

- *Emergency Medicine: Reviews and Perspectives (EM:RAP)* continuing medical education audio program on “Cardiology Corner: Hypertensive Emergencies” in July 2020, “Cardiology Corner: Pericarditis” in September 2020, and “Cardiology Corner: Clinical Decision Instruments (for Chest Pain)” in October 2020
- Eagles COVID-19 webinar on “Post-Recovery Cardiac Dysfunction Associated with COVID-19” on August 4, 2020
- *iCubed* monthly videocast on “Severe Chest Pain and the HEART Score” in October 2020



Amal Mattu, MD



Kathleen Neuzil, MD, MPH, FIDSA

► **Kathleen Neuzil, MD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH Professor in Vaccinology and Director, Center for Vaccine Development and Global Health; **Wilbur Chen, MD, MS**, Professor; and **Kristen Lyke, MD**, Professor, both from the Department of Medicine, were mentioned in a *Rolling Stone* article on inside the race to end the COVID-19 pandemic on October 1, 2020.

► **Gloria Reeves, MD**, Associate Professor, Department of Psychiatry, was interviewed for the article, “Mobilizing the Troops: University of Maryland Research Teams Respond to COVID19 Pandemic.” Dr. Reeves was featured for her work with Co-PI **Aniket Bera, PhD**, Assistant Research Professor, University of Maryland Institute for Advanced Computer Studies (UMIACS), on their grant that involves the study of artificial intelligence strategies to help child behavioral health providers improve caregiver engagement, particularly in rural Maryland communities. Drs. Reeves and Bera will collect data, including speech patterns and facial expressions, to help better engage patients.



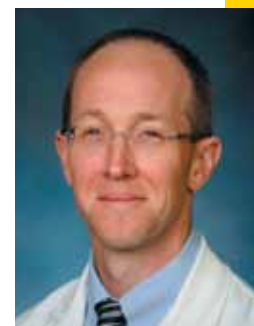
Gloria Reeves, MD



J Kathleen Tracy, PhD

► **J Kathleen Tracy, PhD**, Professor, Department of Epidemiology & Public Health, was featured in an article entitled “Higher Education Should Lead the Efforts to Reverse Structural Racism: Colleges and Universities Have a Special Role to Play in Making Sure America’s Prosperity is Accessible to All,” in *The Atlantic* on October 24, 2020.

► **Michael Winters, MD**, Professor, Department of Emergency Medicine, was among the discussants in the twice-monthly podcast, *Critical Care Perspectives in Emergency Medicine*, episode “Electrical Storm,” which was published October 20, 2020.



Michael Winters, MD

Publications

Hats off to those who have been published!



Clement Adebamowo, BM, ChB, ScD, FWACS, FACS

► **Clement Adebamowo, BM, ChB, ScD, FWACS, FACS**, Professor of Epidemiology & Public Health, Division of Epidemiology and Prevention and Associate Director of Population Science, the Marlene and Stewart Greenebaum Comprehensive Cancer Center, is an author of “High Depth African Genomes Inform Human Migration and Health,” which was published in *Nature* on October 29, 2020.

► **Sally Adebamowo, MBBS, MSc, ScD**, Assistant Professor, Department of Epidemiology & Public Health, was a co-author of “High-Depth African Genomes Inform Human Migration and Health,” which was published in the October 2020 issue of *Nature*. She was also co-author of “Vaginal Microbiota Diversity and Paucity of *Lactobacillus* Species Are Associated with Persistent hrHPV Infection in HIV Negative But Not in HIV Positive Women,” which was published in *Scientific Reports* on November 5, 2020.

► **Jennifer Albrecht, PhD**, Associate Professor, Department of Epidemiology & Public Health, was co-author of “CPAP Adherence Reduces Cardiovascular Risk Among Older Adults with Obstructive Sleep Apnea,” which was published in *Sleep Breath* on November 3, 2020.

► **Omer Awan, MD, MPH**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “The Role of Imaging Biomarkers Derived from Advanced Imaging and Radiomics in the Management of Brain Tumors,” which was published in *Frontiers in Oncology* on September 23, 2020. Separately, Dr. Awan, along with **Casey McRoy, MD; Lakir Patel, MD; Durga Sivacharan Gaddam, MD; Steven Rothenberg, MD; Allison Herring, MD; Jacob Hamm, MD; Lydia Chelala, MD; Joseph Weinstein, MD**, and **Elana Smith, MD**, all residents from the Department of Diagnostic Radiology and Nuclear Medicine, at the time of writing, were the authors of “Radiology Education in the Time of COVID-19: A Novel Distance Learning Workstation Experience for Residents,” which was published in *Academic Radiology* on October 27, 2020.



Jennifer Albrecht, PhD



Tracy Bale, PhD

► **Tracy Bale PhD**, Professor, Department of Pharmacology and Director, Center for Epigenetic Research in Child Health and Brain Development (CERCH), and **Christopher Morgan PhD**, Associate Director of Epigenetic Research, CERCH, in collaboration with **Amol Shetty, PhD**, and **Seth Ament, PhD**, both from the Institute for Genome Sciences, authored “Repeated Sampling Facilitates Within- and Between-Subject Modeling of the Human Sperm Transcriptome to Identify Dynamic and Stress-Responsive snRNAs,” which was published in *Scientific Reports* on October 15, 2020.

► **Kathryn Barry, PhD, MPH**, Assistant Professor, Department of Epidemiology & Public Health, was a co-author of “Prostate Cancer Cohort Consortium (PC3) Working Group. Recommended Definitions of Aggressive Prostate Cancer for Etiologic Epidemiologic Research,” which was published in the *Journal of the National Cancer Institute* on October 3, 2020.

► **Maureen Black, PhD**, the **John A. Scholl, MD** and **Mary Louise Scholl, MD** Professor in Pediatrics; **Erin Hager, PhD**, Associate Professor; and **Yan Wang MBBS, DrPH**, Associate Professor, all from the Department of Pediatrics, were co-authors of “Toddler Obesity Prevention: A Two-Generation



Kathryn Hughes Barry, PhD, MPH



Maureen Black, PhD

Randomized Attention-Controlled Trial,” which was published in *Maternal & Child Nutrition* on September 14, 2020. Separately, Dr. Black and **Angela Trude, PhD**, Postdoctoral Fellow, Department of Pediatrics, were co-authors of “All Children Thrive: Integration of Nutrition and Early Childhood Development,” which was published in the *Annual Review of Nutrition* on September 23, 2020.



Brandon Bruns, MD

► **Brandon Bruns, MD**, Associate Professor of Surgery and Chief of Trauma at UM Prince George’s Hospital Center, was among the co-authors of “Perceptions of Equity and Inclusion in Acute Care Surgery: From the #EAST4ALL Survey,” which was published in *The Journal of Trauma and Acute Care Surgery* on October 15, 2020.

► **Donna Calu, PhD**, Assistant Professor, and **Daniel Kochli, PhD**, former Postdoctoral Fellow, now Visiting Professor at Washington College, along with **Sara Keefer, PhD**, Postdoctoral Fellow, and **Utsav Gyawali**, Graduate Student, all from the Department of Anatomy and Neurobiology, were senior, lead, and co-authors, respectively, of “Basolateral Amygdala to Nucleus Accumbens Communication Differentially Mediates Devaluation Sensitivity of Sign- and Goal-Tracking Rats,” which was published in *Frontiers in Behavioral Neuroscience* on November 5, 2020.



Donna Calu, PhD



James Campbell, MD, MS

► **James Campbell, MD, MS; Anderson EJ, Campbell JD, Creech CB**, et al. Warp Speed for COVID-19 Vaccines: Why are Children Stuck in Neutral? [published online ahead of print, 2020 Sep 18]. *Clin Infect Dis*. 2020; ciaa1425. doi:10.1093/cid/ciaa1425

► **Qi Cao, BM, PhD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Hypothalamic-Pituitary-Adrenal Axis Mediates Ambient PM2.5 Exposure-Induced Pulmonary Inflammation,” which was published in *Ecotoxicology and Environmental Safety* on October 16, 2020.



Qi Cao, BM, PhD



Linda Chang, MD, MS

► **Linda Chang, MD, MS**, (first author) Professor, Department of Diagnostic Radiology and Nuclear Medicine, and **Hua Jun Liang, MBBS, PhD**, Postdoctoral Fellow, were among the authors of “Independent and Combined Effects of Nicotine or Chronic Tobacco Smoking and HIV on the Brain: A Review of Preclinical and Clinical Studies,” which was published in the *Journal of Neuroimmune Pharmacology* on October 27, 2020.

► **Rong Chen, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Evaluation of Contrast-Enhanced Computed Tomography for the Differential Diagnosis of Hypovascular Pancreatic Neuroendocrine Tumors from Chronic Mass-forming Pancreatitis,” which was published in the October 2020 issue of *European Journal of Radiology*.



Rong Chen, PhD

► **Cristina DeCesaris, MD**, Resident; **Ariel Pollock, MD**, Resident; **Baoshe Zhang, PhD**, Assistant Professor; **Yannick Poirier, PhD**, Assistant Professor; **Emily Kowalski, MD**, Assistant Professor; **Mark Mishra, MD**, Associate Professor; and **Elizabeth Nichols, MD**, Associate Professor, all from the Department of Radiation Oncology, were among the

authors of “Assessing the Need for Adjusted Organ-at-Risk Planning Goals for Patients Undergoing Adjuvant Radiation Therapy for Locally Advanced Breast Cancer with Proton Radiation,” which was published in *Practical Radiation Oncology* on October 15, 2020.

► **Everly Conway de Macario, PhD**, and **Alberto Macario, PhD**, both Adjunct Professors, Department of Microbiology and Immunology, co-authored “A Novel CCT5 Missense Variant Associated with Early Onset Motor Neuropathy,” which was published in the *International Journal of Molecular Science*.

► **Eric Friedman, MD**, 2020 Residency Graduate; **Garrett Cavaliere, DO**, Resident; and **Diane Kuhn, MD, PhD**, Assistant Instructor, Department of Emergency Medicine, were the authors of “SAEM [Society of Academic Emergency Medicine] Clinical Image Series: Knee Pain,” which was published on the *Academic Life in Emergency Medicine Blog* on October 19, 2020.



Alberto Macario, MD

► **Matthew Frieman, PhD**, Associate Professor, Department of Microbiology and Immunology, co-authored “NVX-CoV2373 Vaccine Protects Cynomolgus Macaque Upper and Lower Airways Against SARS-CoV-2 Challenge,” which was published in *Vaccine*.

► **Dheeraj Gandhi, MBBS**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Cost-Effectiveness of Endovascular

Thrombectomy in Patients with Acute Stroke and M2 Occlusion,” which was published in the *Journal of NeuroInterventional Surgery* on October 19, 2020.

► **Aaron Greenblatt, MD**, Assistant Professor; **Annabelle Belcher, PhD**, Assistant Professor; **Devang Gandhi, MBBS, MD**, Adjunct Professor; and **Eric Weintraub, MD**, Associate Professor, all from the Department of Psychiatry, along with **Jessica Magidson, PhD**, Assistant Professor, Department of Psychology, were the authors of “Overdue for an Overhaul: How Opioid Programs Can Learn from COVID-19,” which was published in *Mayo Clinic Proceedings*.

► **Daniel Haase, MD**, Assistant Professor; **Kimberly Boswell, MD**, Assistant Professor; and **Quincy Tran, MD**, Assistant Professor, all from the Department of Emergency Medicine, were among the authors of “Care Intensity of Spontaneous Intracranial Hemorrhage: Effectiveness of the Critical Care Resuscitation Unit,” which was published in the *American Journal of Emergency Medicine* on October 28, 2020.

► **Samar Hajj, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the first author of “Potential Use of Rubidium-82 PET to Differentiate Neoplasms from Inflammatory Lesion: Case Report,” which was published in the *Journal of Nuclear Cardiology* on October 19, 2020.

► **Kim Hankey, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Successful Transfer of Anti-SARS-CoV-2 Immunity Using Convalescent Plasma in an MM Patient with Hypogammaglobulinemia and COVID-19,” which was published in the October 2020 issue of *Blood Advances*. She was also among the authors of “Chimeric Antigen Receptor T-cell Therapy after Allogeneic Stem Cell Transplant for Relapsed/Refractory Large B-Cell Lymphoma,” which was published in the *British Journal of Haematology* on November 10, 2020.



Matthew Frieman, PhD



Dheeraj Gandhi, MBBS



Annabelle Belcher, PhD



Kimberly Boswell, MD

► **Robert Haupt**, Graduate Student; **James Logue**, Graduate Student; **Marisa McGrath**, Graduate Student; **Stuart Weston, PhD**, Postdoctoral Fellow; and **Matthew Frieman, PhD**, Associate Professor, Department of Microbiology and Immunology, were co-authors of “First-in-Human Trial of a SARS-CoV-2 Recombinant Spike Protein Nanoparticle Vaccine,” which was published in the *New England Journal of Medicine*. Additionally, the graduate students, along with Dr. Frieman, co-authored “Comparative Host-Coronavirus Protein Interaction Networks Reveal Pan-Viral Disease Mechanisms,” and “Studies in Humanized Mice and Convalescent Humans Yield a SARS-CoV-2 Antibody Cocktail,” both of which were published in *Science*.

► **Jon Hirshon, MD, MPH, PhD**, Professor, Department of Emergency Medicine, was among the authors of:

- “Analysis of Emergency Department Disposition and Odds of Secondary Transport for Pediatric Patients Transported by Emergency Medical Services,” which was published in *Pediatrics* on July 1, 2020
- “Emergency Medicine in Egypt,” which was published in the *Journal of Emergency Medicine* on August 1, 2020
- “Tracking the Rise of Geriatric Emergency Departments in the United States,” which was published in the *Journal of Applied Gerontology* on August 1, 2020
- “Non-Operative Management of Blunt Abdominal Solid Organ Trauma in Adult Patients,” which was published in the September 2020 issue of the *African Journal of Emergency Medicine*
- “Clinical Policy: Critical Issues Related to Opioids in Adult Patients Presenting to the Emergency Department,” which was published in the *Annals of Emergency Medicine* on September 1, 2020
- “EDSC³: Working to Improve Emergency Department Care of Individuals with Sickle Cell Disease,” which was published in the *Annals of Emergency Medicine* on September 1, 2020
- “Alcohol Availability, Cost, Age of First Drink and Association with At-Risk Alcohol Use in Moshi, Tanzania,” which was published in *Alcoholism: Clinical and Experimental Research* on September 17, 2020



Jon Hirshon, MD, MPH, PhD



Miroslaw Janowski, MD, PhD

► **Miroslaw Janowski, MD, PhD**, Associate Professor, and **Piotr Walczak, MD, PhD**, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Endovascular Model of Ischemic Stroke in Swine Guided by Real-Time MRI,” which was published in the October 2020 issue of *Scientific Reports*.

► **Gregory Jasani, MD**, Resident; **Reem Alfalasi, MB, ChB**, Resident; **Garrett Cavaliere, DO**, Resident; and **Benjamin Lawner, DO, EMT-P**, Assistant Professor, all from the Department of Emergency Medicine, were among the authors of “Terrorists Use of Ambulances for Terror Attacks: A Review,” which was published in *Prehospital and Disaster Medicine* on October 28, 2020.



Pratap Karki, DSci

► **Pratap Karki, DSci**, Assistant Professor, **Anna Birukova, MD**, Professor, both from Department of Medicine, and **Konstantin Birukov, MD, PhD**, Professor, Department of Anesthesiology, were among the co-authors of “Extracellular Histones in Lung Dysfunction: A New Biomarker and Therapeutic Target?” which was published in *Pulmonary Circulation* on October 13, 2020.

► **Deanna Kelly, PharmD, BCPP**, Professor; **Max Spaderna, MD**, Assistant Professor; **Vedrana Hodzic**,



Benjamin Lawner, DO, EMT-P



Deanna Kelly, PharmD, BCPP

MD, Assistant Professor; **Fang Liu, MS**; and **Shuo Chen, PhD**, Associate Professor, all from the Department of Psychiatry, along with **Anne Werkheiser, BA**, were authors of “Blinded Clinical Ratings of Social Media Data are Correlated with In-Person Clinical Ratings in Participants Diagnosed with Either Depression, Schizophrenia, or Healthy Controls,” which was published in *Psychiatry Research*.

► **Antony Koroulakis, MD**, and **Cristina DeCesaris, MD**, both Residents from the Department of Radiation Oncology, were among the authors of “Long-term Outcomes of a Prospective Randomized Trial of ¹³¹Cs/¹²⁵I Permanent Prostate Brachytherapy,” which was published in *Brachytherapy* on October 12, 2020. Separately, Dr. Koroulakis, along with **Amit Sawant, PhD**, Associate Professor, and **Pranshu Mohindra, MD**, Associate Professor, all from the Department of Radiation Oncology, were among the authors of “Proton Therapy for Thoracic Malignancies: A Review of Oncologic Outcomes,” which was published in *Expert Reviews in Anticancer Therapy* on October 29, 2020.



Amit Sawant, PhD

► **Emily Kowalski, MD**, Assistant Professor; **Kai Sun**, Statistician; **Gregory Alexander, MD**, Resident; **Hua-Ren Cherng**, Medical Student; **Yannick Poirier, PhD**, Assistant Professor; **Naru Lamichhane, PhD**, Assistant Professor; **Stewart Becker, PhD**, Assistant Professor; **Shifeng Chen, PhD**, Associate Professor; **Jason Molitoris, MD, PhD**, Assistant Professor; **Young Kwok, MD**, Professor; **William Regine, MD, FACR, FACRO**, the Isadore & Fannie Schneider Foxman Chair in Radiation Oncology; and **Mark Mishra, MD**, Associate Professor, all from the Department of Radiation Oncology, were among the authors of “Immune



Emily Kowalski, MD

Checkpoint Inhibition in Patients Treated with Stereotactic Radiation for Brain Metastases,” which was published in *Radiation Oncology* on October 27, 2020.

► **Hannah Lane, PhD**, Postdoctoral Fellow, and **Erin Hager, PhD**, Associate Professor, Department of Pediatrics, were co-authors on “Leveraging Implementation Science in the Public Health Response to COVID-19: The Case of Child Food Insecurity and Federal Nutrition Assistance Programs,” which was published in *Public Health Reports* on October 8, 2020.



Erin Hager, PhD

► **Marcel Lanza, PhD**, Postdoctoral Fellow; **Vicki Gray, MPT, PhD**, Assistant Professor; and **Odessa Addison, DPT, PhD**, Assistant Professor, all from the Department of Physical Therapy and Rehabilitation Science, were co-authors of “Kinetic, Muscle Structure, and Neuromuscular Determinants of Weight Transfer Phase Prior to a Lateral Choice Reaction Step in Older Adults,” which was published in the *Journal of Electromyography and Kinesiology*.



Vicki Gray, MPT, PhD

► **Miriam Laufer, MD**, Professor, Department of Pediatrics; **Robert McCann, PhD**, Postdoctoral Fellow; **Lauren Cohee, MD**, Instructor; and **Jessy Goupeyou-Youmsi**, were co-authors of “Maximizing Impact: Can Interventions to Prevent Clinical Malaria Reduce Parasite Transmission?” which was published in *Trends Parasitol* on September 8, 2020.



Miriam Laufer, MD

► **Jay Magaziner, PhD, MSHyg**, Professor and Chair, Department of Epidemiology & Public Health, were co-authors of “Effect of



Jay Magaziner, PhD, MSHyg

a Multifactorial Fall Injury Prevention Intervention on Patient Well-Being: The STRIDE Study,” which was published in the *Journal of the American Geriatrics Society* on October 9, 2020.



Amal Mattu, MD

► **Amal Mattu, MD**, Professor, Department of Emergency Medicine, was sole author of “Aortic Dissection: Still the Great Masquerader,” which was published in *Medscape Emergency Medicine Viewpoints* on September 9, 2020.

► **Robert Miller, MD**, Professor, Department of Radiation Oncology, was the co-author of “Advances in Radiation Oncology in 2020,” which was published in *Advances in Radiation Oncology* on October 29, 2020.



Robert Miller, MD



Jason Molitoris, MD, PhD

► **Jason Molitoris, MD, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Hypofractionated Proton Beam Radiotherapy in Patients with Unresectable Liver Tumors: Multi-Institutional Prospective Results from the Proton Collaborative Group,” which was published in *Radiation Oncology* on November 4, 2020. Separately, Dr. Molitoris; **Emily Kowalski, MD**, Assistant Professor; **Cristina DeCesaris, MD**, Resident;

Byong Yong Yi, PhD, Professor; **Baoshe Zhang, PhD**, Assistant Professor; **Andrea Hall**, Senior Dosimetrist; and **William Regine, MD, FACR, FACRO**, the Isadore & Fannie Schneider Foxman Chair in Radiation Oncology, all from the Department of Radiation Oncology, were among the authors of “Spatially Fractionated Radiotherapy (GRID) Prior to Standard Neoadjuvant Conventionally Fractionated Radiotherapy for Bulky, High-Risk Soft Tissue and Osteosarcomas: Feasibility, Safety, and Promising Pathologic Response Rates,” which was published in *Radiation Research* on October 16, 2020.



Kathleen Neuzil, MD, MPH, FIDSA

► **Kathy Neuzil, MD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH Professor in Vaccinology and Director, Center for Vaccine Development and Global Health, was among the authors of “Safety & Immunogenicity of SARS-CoV-2 mRNA-1273 Vaccine in Older Adults,” which was published in the *New England Journal of Medicine* on September 20, 2020.

► **Erin O'Connor, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the first author of “Differential Effects of an AIDS Defining Illness and Chronic HIV Infection on Gray Matter Volume,” which was published in *Clinical Infectious Diseases* on October 14, 2020.



Erin O'Connor, MD

► **Giovanni Oppizzi**, PhD Student and Research Fellow; **Chunyang Zhang, MD**, Postdoctoral Fellow;



Li-Qun Zhang, PhD

Kyung Koh, PhD, Postdoctoral Fellow; and **Li-Qun Zhang, PhD**, Professor; all from the Department of Physical Therapy and Rehabilitation Science, were co-authors of “Biomechanical Comparison of Distal Femoral Fracture Fixation: Analysis of Non-Locked, Locked, and Far-Cortical Locked Constructs,” which was published in the *Journal of Orthopaedic Research*.

► **Denise Orwig, PhD**, Professor, and **Jay Magaziner, PhD, MSHyg**, Professor and Chair, both from the Department of Epidemiology & Public Health,



Denise Orwig, PhD

co-authored “Biomarkers Associated with Physical Resilience after Hip Fracture,” which was published in *The Journals of Gerontology, Series A, Biological Sciences and Medical Sciences* on September 25, 2020.

► **John Papadimitriou, MD, PhD**, Professor, and **Cynthia Drachenberg, MD**, Professor, both from the Department of Pathology; along with **Abdolreza Haririan, MD, PhD**, Professor, and **Valeriu Cebotaru, MD**, Assistant Professor, both from the Department of Medicine were co-authors of “Tubular Epithelial and Peritubular Capillary Endothelial Injury in COVID-19 AKI,” which was published in the November 2020 issue of *Kidney International Reports*.



John Papadimitriou, MD, PhD



Yannick Poirier, PhD

► **Yannick Poirier, PhD**, Assistant Professor; **Stewart Becker, PhD**, Assistant Professor; **Cristina DeCesaris, MD**, Resident; **Andrew Gerry**, Research Medical Physicist; **Allison Gibbs**, Research Specialist; **Zeljko Vujaskovic, MD, PhD**, Professor; and **Isabel Jackson, PhD**, Associate Professor, all from the Department of Radiation Oncology, were among the authors of “The Impact of Radiation Energy on Dose Homogeneity and Organ Dose in the Göttingen Minipig Total-Body Irradiation Model,” which was published in *Radiation Research* on October 12, 2020.

► **Daniel Prantner, PhD**, Research Associate (first author); **Shreeram Nallar, PhD**, Research Associate; and **Stefanie Vogel, PhD**, Professor (last author), all from the Department of Microbiology and Immunology, were authors of “The Role of RAGE in Host Pathology and Crosstalk between RAGE and TLR4 in Innate Immune Signal Transduction Pathways,” which was published in *The FASEB Journal* on October 31, 2020.



Stefanie Vogel, PhD



William Regine, MD, FACR, FACRO

► **William Regine, MD, FACR, FACRO**, the Isadore & Fannie Schneider Foxman Chair in Radiation Oncology, Department of Radiation Oncology, was among the authors of “Beyond the Dermis: High-Risk Invasive Squamous Cell Carcinoma: A Retrospective Review,” which was published in *Wound Care* on October 2, 2020.

► **Katharina Richard, PhD**, Research Associate; **Kari Shirey, PhD**, Assistant Professor; **Archana Gopalakrishnan, PhD**, Postdoctoral Fellow; **Daniel Prantner, PhD**, Research Associate; **Darren Perkins, PhD**, Associate Professor; **Wendy Lai**, Laboratory Research Specialist; **Alexandra Vlk, MD/PhD Student**; **Vladimir Toshchakov, PhD**, Associate Professor; and **Stefanie Vogel, PhD**, Professor, all from the Department of Microbiology and Immunology, co-authored “A Mouse Model of Human TLR4 D299G/T399I SNPs Reveals Mechanisms of Altered LPS and Pathogen Responses,” which was published in the *Journal of Experimental Medicine*.



Darren Perkins, PhD



Mohan Suntha, MD, MBA

► **Mohan Suntha, MD, MBA**, Professor, Department of Radiation Oncology, President and CEO, University of Maryland Medical System, was among the authors of “Resection Following Concurrent Chemotherapy and High-Dose Radiation for Stage IIIA Non-Small Cell Lung Cancer,” which was published in the November 2020 issue of the *Journal of Thoracic Cardiovascular Surgery*.



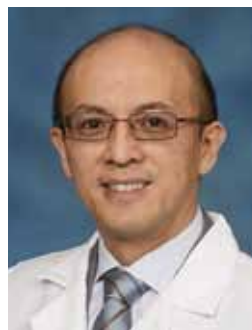
Simeon Taylor, MD, PhD

► **Simeon Taylor, MD, PhD**, Professor, Department of Medicine, was author of “The High Cost of Diabetes Drugs: Disparate Impact on the Most Vulnerable Patients,” which was published in *Diabetes Care* on October 1, 2020. He also was one of two authors of “Smarter Modeling to Enable a Smarter Insulin,” which was published in *Diabetes* on August 1, 2020.

► **Oliver Voss, PhD**, Research Associate; **Joseph Gillespie, PhD**, Assistant Professor; **Mohammed Rahman, PhD**, Assistant Professor; and **Abdu Azad, PhD, MPH**, Professor, all from the Department of Microbiology and Immunology, co-authored “Risk1, a Phosphatidylinositol 3-Kinase Effector, Promotes Rickettsia Typhi Intracellular Survival,” which was published in *mBio* on June 11, 2020.



Joseph Gillespie, PhD



Ze Wang, PhD

► **Ze Wang, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the author of “Brain Entropy Mapping in Healthy Aging and Alzheimer’s Disease,” which was published in *Frontiers in Aging Neuroscience* on November 10, 2020.

► **Stuart Weston, PhD**, Postdoctoral Fellow; **Krystal Matthews**, Laboratory Research Specialist; **Marisa McGrath**, Graduate Student; **James Logue**, Graduate Student; and **Matthew Frieman, PhD**, Associate Professor, all from the Department of Microbiology and Immunology, co-authored “The SKI Complex is a Broad-Spectrum, Host-Directed, Antiviral Drug Target for Coronaviruses, Influenza and Filoviruses,” which was published in *Proceedings of the National Academy of Sciences of the United States of America*.



Matthew Frieman, PhD



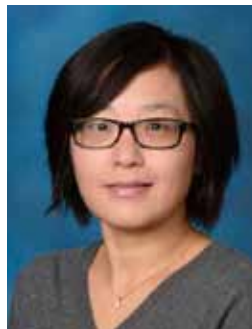
Jill Whittall, PhD

► **Jill Whittall, PhD**, Professor Emerita, Department of Physical Therapy and Rehabilitation Science, was a co-author of “Contraction Phase and Force Differentially Change Motor Evoked Potential Recruitment Slope and Interhemispheric Inhibition in Young Versus Old,” in *Frontiers in Human Neuroscience*.

► **Emerson Wickwire, PhD**, Associate Professor, Departments of Psychiatry and Medicine, was lead author of “CPAP Adherence Reduces Cardiovascular Risk among Older Adults with Obstructive Sleep Apnea,” which was accepted for publication in *Sleep and Breathing* on October 27, 2020.



Emerson Wickwire, PhD



Yuji Zhang, PhD

► **Yuji Zhang, PhD**, Associate Professor, Department of Epidemiology & Public Health, was co-author of “Recovery of Atrial Contractile Function after Cut-and-Sew Maze for Long-Standing Persistent Valvular Atrial Fibrillation,” which was published in the *International Journal of Cardiology* on September 10, 2020.

Additionally, Dr. Zhang was the co-author of “The Effect of Screening and Treatment of Ureaplasma Urealyticum Infection on Semen Parameters in Asymptomatic Leukocytospermia: A Case-Control Study,” which was published in *BMC Urology* on October 22, 2020.

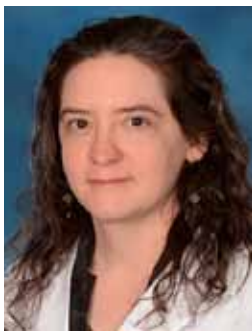
► Twenty-two current and 11 former faculty of the School of Medicine and Program in Trauma authored



Thomas Scalea, MD

chapters for *The Shock Trauma Manual of Operative Techniques, 2nd Edition*, Editor: **Thomas Scalea, MD**

- **Laura Buchanan, MD**, Assistant Professor of Surgery, Program in Trauma. "Neck: Indication and Techniques for Trauma Exploration." Chapter 1, 3-14
- **Megan Quintana, MD**, and **Jose Diaz, MD**, Professor of Surgery, Program in Trauma. "The Chest: Indication and Techniques for Trauma Exploration." Chapter 2, 15-47
- **Jay Menaker, MD**, Clinical Professor of Surgery, Program in Trauma. "Emergency Department Thoracotomy." Chapter 3, 49-69
- **Paulesh Shah, MD**, former faculty, and **William Chiu, MD**, Associate Professor of Surgery, Program in Trauma. "Indication and Techniques for Trauma Laparotomy." Chapter 4, 71-96
- **Jason Pasley, MD**, and **Jonathan Morrison, MB, ChB, PhD**, Assistant Professor of Surgery, Program in Trauma. "Indication and Techniques for Vascular Exploration." Chapter 5, 97-123
- **Kimberly Boswell, MD; Kevin Jones, MD; and Jeffrey Rea, MD**, Assistant Professors of Emergency Medicine, Program in Trauma. "Intubation, Cricothyrotomy, Tube Thoracostomy, Diagnostic Peritoneal Lavage, and Local Wound Exploration." Chapter 6, 127-148
- **Daniel Haase, MD**, Assistant Professor of Emergency Medicine and **Sarah Murthi, MD**, Associate Professor of Surgery, Program in Trauma. "Ultrasound for Point-of-care Imaging: Performing the Various Exams with Technical Tips." Chapter 7, 149-183
- **Brandon Bruns, MD**, Associate Professor of Surgery, Program in Trauma. "Trachea, Bronchus, and Esophagus Injuries: Techniques." Chapter 8, 187-211
- **Joseph Rabin, MD**, Assistant Professor of Surgery, Program in Trauma. "Lung Injury: Techniques." Chapter 9, 213-231
- **Ronald Tesoriero, MD**, former faculty. "Cardiac Injury: Techniques." Chapter 10, 233-261
- **Benjamin Moran, MD**, and **Deborah Stein, MD**, both former faculty. "Liver Injuries: Techniques." Chapter 11, 265-301
- **Amanda Chipman, MD**, Assistant Instructor of Surgery; **Matthew Lissauer, MD**; and **Rosemary Kozar, MD, PhD**, Professor of Surgery, Program in Trauma. "Spleen Injuries: Techniques." Chapter 12, 303-325
- **David Feliciano, MD**, Clinical Professor of Surgery, Program in Trauma. "Pancreas and Duodenum Injuries: Techniques." Chapter 13, 327-351
- **Carlos Rodriguez, MD**, former faculty. "Stomach, Small Bowel, and Colon Injuries: Techniques." Chapter 14, 353-380
- **Margaret Lauerman, MD**, Assistant Professor of Surgery, Program in Trauma, and **Stacy Shackelford, MD**, former faculty. "Trauma of the Kidney, Ureter, and Bladder: Techniques." Chapter 15, 381-402



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- **Joseph DuBose, MD**, Clinical Professor, Program in Trauma. "Cervical Vascular Injuries: Techniques." Chapter 16, 405-421
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- **David Feliciano, MD**, Clinical Professor of Surgery, Program in Trauma. "Abdominal Vascular Injuries: Techniques." Chapter 18, 447-468
- **Rishi Kundi, MD**, Assistant Professor of Surgery, Program in Trauma. "Endovascular Therapy in Trauma." Chapter 19, 469-498
- **Stephen Varga, MD**, former faculty. "Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA)." Chapter 20, 499-517
- **Sharon Henry, MD**, Professor of Surgery, Program in Trauma and **Habeeba Park, MD**, Assistant Professor of Surgery, Program in Trauma. "Extremity Fasciotomies." Chapter 21, 521-558
- **Matthew Bradley, MD**, Clinical Professor of Surgery, Program in Trauma. "Treatment of Pelvic Fractures." Chapter 22, 559-585

► Twelve UMSOM faculty contributed to the *Ninth Edition of TRAUMA*. **David Feliciano, MD**, Clinical Professor, Department of Surgery, Program in Trauma, is one of the founding editors as well as co-author of three chapters. **Rosemary Kozar, MD, PhD**, Professor of Surgery, Program in Trauma, is one of six Associate Editors as well as a chapter co-author.

Generalized approaches to the traumatized patient

- **Ron Samet, MD**, Assistant Professor of Anesthesiology; **Justin Richards, MD**, Assistant Professor of Anesthesiology; and **Ian Slade, MD**. "Principles of Anesthesia and Pain Management in Trauma Patients." In *Trauma, 9th edition*. Chapter 20, 409-426

Management of specific injuries

- **Jerry Sperry; Elizabeth Guardini, MD**, Assistant Professor, Department of Otorhinolaryngology-Head & Neck Surgery; **Grace Snow; Kirsten Meenan; David Feliciano, MD**, Clinical Professor of Surgery, Program in Trauma. "Neck and Larynx." In *Trauma, 9th edition*. Chapter 25, 521-542
- **Joseph DuBose, MD**, Clinical Professor of Surgery, Program in Trauma. "Endovascular Commentary." In *Trauma, 9th edition*. Chapter 25, 542-543
- **Jamie Coleman; Frederick Pieracci, MD; Joseph Dubose, MD**, Clinical Professor, Department of Surgery; **Thomas Scalea, MD**, Professor; and **James O'Connor, MD**, Professor, Department of Surgery, Program in Trauma. "Chest Wall and Lung." In *Trauma, 9th edition*. Chapter 28, 567-587
- **Joseph Dubose, MD**, Clinical Professor; **Thomas Scalea, MD**, Professor; and **James O'Connor, MD**, Professor; all from the Department of Surgery, Program in Trauma. "Trachea, Bronchi, and Esophagus." In *Trauma, 9th edition*. Chapter 29, 589-597
- **Brandon Bruns, MD**, Associate Professor, and **Rosemary Kozar, MD, PhD**, Professor, Department of Surgery, Program in Trauma. "Liver and Biliary Tract." In *Trauma, 9th edition*. Chapter 33, 657-678
- **Paula Ferrada; Ricardo Ferrada; David Feliciano, MD**, Clinical Professor of Surgery, Program in Trauma. "Duodenum and Pancreas." In *Trauma, 9th edition*. Chapter 36, 719-735
- **David Feliciano, MD**, Clinical Professor of Surgery, Program in Trauma, and **Juan Asensio**. "Abdominal Vessels." In *Trauma, 9th edition*. Chapter 38, 747-770



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- **Joseph Dubose, MD**, Clinical Professor of Surgery, Program in Trauma. “Endovascular C.” Chapter 38: “Abdominal Vessels.” In *Trauma, 9th edition*. 770-771
- **Chad Ball**, and **David Feliciano, MD**, Clinical Professor of Surgery, Program in Trauma. “Trauma Damage Control.” In *Trauma, 9th edition*. Chapter 42, 839-854
- **Raymond Pency, MD**, Associate Professor of Surgery of Orthopedics. “Upper Extremity.” In *Trauma, 9th edition*. Chapter 43, 855-880

Specific challenges in trauma

- **Naeem Goussous**, and **Joseph Scalea, MD**, Associate Professor of Surgery. “Organ Donation from Trauma Patients.” In *Trauma, 9th edition*. Chapter 54, 1099-1108



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Management of complications after trauma

- **Jose Diaz, MD**, Professor of Surgery, Program in Trauma and **Bryan Collier**. “Gastrointestinal Failure.” In *Trauma, 9th edition*. Chapter 60, 1219-1233



Samuel Tisherman, MD

- **Benjamin Moran**, and **Samuel Tisherman, MD**, Professor of Surgery, Program in Trauma. “Post Injury Inflammation and Organ Dysfunction.” In *Trauma, 9th edition*. Chapter 63, 1289-1301



Jose Diaz, MD

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