



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!

► The **Department of Emergency Medicine** livestreamed its 10th annual The Crashing Patient: Resuscitation and Risk Management Conference on October 13-15 for the first time and the new format garnered an international audience, with participants attending from Australia, Canada, Egypt, New Zealand, Nigeria, Saudi Arabia, Taiwan, and Turkey. Three days of programming included Virtual Interactive Cadaver Lab Procedures Workshops on October 13. The first session sold out and another was added; main lectures on October 14; and, in its second year, an administrative development conference: The Crashing Department: Skills for Emergency Medicine Leaders in Times of Crisis, on October 15.

► The following members of the Department of Emergency Medicine presented at the American College of Emergency Physicians annual convention, which was delivered online October 26-29:

- **Danya Khoujah, MBBS**, Adjunct Assistant Professor, on:
 - Perfecting the Neurologic Exam
 - When Weakness Isn't Stroke
- **Mimi Lu, MD**, Adjunct Assistant Professor, on:
 - Pediatric Nightmare: Endocrine and Metabolic Emergencies
 - Pediatric Tricks of the Trade: What They Didn't Teach You in Residency
- **Sara Manning, MD**, Assistant Professor, on:
 - Clinical Pearls for the Breastfeeding Patient: Pump and Dump or OK to Use?
 - Gynecologic Complaints in the Young and Old: Genitourinary Issues at the Extremes of Ages
 - Problems in the Pregnant Patient: Fast Facts
- **Amal Mattu, MD**, Professor, on:
 - Acute Decompensated Heart Failure: Time-Critical Interventions
 - From Paper to Patient: Recent Advances in Emergency Electrocardiography That Will Save a Life
 - Myocardial Ischemia and Mimics: ECG Cases
 - Nontraditional Acute Myocardial Infarction Presentations: Don't Miss the Diagnosis
- **George Willis, MD**, Assistant Professor, on:
 - Aortic Dissection: Are You Missing the Diagnosis?
 - Cruising the Cardiology Literature: 2020
 - New Cardiac Drugs: How, What, and When to Use Them in the ED
- **Michael Winters, MD**, Professor, on:
 - Crashing Patients: Peri-Arrest Pearls for a New Decade
 - Cruising the Literature: Top Articles in Critical Care
 - Undifferentiated Shock: Making a Difference



Amal Mattu, MD



Michael Winters, MD

► Faculty, Postdoctoral Fellows, and Graduate Students, from the **Department of Physical Therapy and Rehabilitation Science**, recently participated in the annual meeting of the American Society of Biomechanics. Originally scheduled to be held in Atlanta, Ga., August 4-7, the meeting was delivered virtually due to the ongoing

coronavirus pandemic. In attendance were Postdoctoral Fellows: **Meizhen Huang, PhD; Dongwon Kim, PhD; Kyung Koh, PhD; and Ahmed Ramadan, PhD**. Graduate students included: **Raziyeh Baghi, Giovanni Oppizzi, and Sanjana Rao**. Faculty member, **Li-Qun Zhang, PhD**, Professor, attended as well. Poster presentations included:

- **K. Koh, D. Kim, G. Oppizzi, and L.-Q. Zhang**, "Abnormal Coordination of the Multiple Upper-Limb Joints During Passive Movement."
- **G. Oppizzi, S. Rao, D. Kim, and L.-Q. Zhang**, "Characterizing Stiffness and Coupling Among Five Digits of the Human Hand."
- **A. Ramadan, R. Baghi, and L.-Q. Zhang**, "Sensory-Motor Assessment of the Lower Extremity in Tibial Rotation: Towards Knee Osteoarthritis Rehabilitation."
- **R. Baghi, A. Ramadan, and L.-Q. Zhang**, "Knee Moment Tracking and Repeatability During Elliptical Stepping with Different Foot Progression Angles."
- **M. Z. Huang, D. Pizac, M. W. Rogers, A. L. Gruber-Baldini, D. O. M. Hochberg, B. Breamer, R. Creath, D. Savin, V. Conroy, L.-Q. Zhang, and M. Rogers**, "Effect of a Multicomponent Home-Based Training on Gait Performance in Older Adults with Hip Fracture: A Randomized Control Trial."



Li-Qun Zhang, PhD

► Members of the **Department of Radiation Oncology** presented their research in a broad range of educational and other forums at the 62nd annual meeting of the American Association for Physics in Medicine (AAPM), held July 12-16 in a virtual format. With a total of 39 presentations and additional service on panels and in other sessions, the department was well represented across its many areas of research and practice implementation. The theme of this year's meeting was "Improving Health Quality; Increasing Global Impact." Six of the posters received Blue Ribbon designations.

► **Robert Gallo, MD**, the Homer & Martha Gudelsky Distinguished Professor in Medicine, Director, Institute of Human Virology, spoke at the American College of Trial Lawyers 2020 Annual Meeting and 70th Anniversary Celebration, September 23-25, with the remarks live streamed on September 24. The American College of Trial Lawyers, founded in 1950, is a non-profit organization that recognizes the very best of the trial bars of the United States and Canada. Other speakers who addressed the College that day included John Roberts, Chief Justice of the United States Supreme Court; The Right Honorable Richard Wagner, Chief Justice of the Supreme Court of Canada; Lady Arden, Justice on the Supreme Court of the United Kingdom; former Senator and Secretary of Defense William Cohen; and Dr. Robert Brown. Dr. Gallo also was the keynote speaker at the 2nd World Conference on Advances in COVID-19, which was held online August 27-30. Dr. Gallo presented "Is Innate Immunity One Key to Controlling the SARS-CoV-2 Pandemic?"



Robert Gallo, MD



Michael Grasso, MD, PhD

► **Michael Grasso, MD, PhD**, Assistant Professor, Department of Emergency Medicine, recently chaired two monthly meetings of the American Medical Informatics

Association (AMIA) Clinical Decision Support (CDS) Working Group on the topics of:

- AMIA Fall Symposium planning and strategic planning on July 14
- Federated Electronic Health Record Intelligence and Embedded CDS Support: Promoting the Standards and Certification in August

► **Kathleen Neuzil, MD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH Professor in Vaccinology, and Director, Center for Vaccine Development and Global Health, was an expert speaker for a town hall to constituents



Kathleen Neuzil, MD, MPH, FIDSA

on August 3 hosted by U.S. Senator Chris Van Hollen (D-MD).

► **Karen Sack**, Department Administrator, Department of Physical Therapy and Rehabilitation Science, presented a webinar for the SRA International Southern/Western Combined Sections Meeting on July 23. The webinar was entitled, “Investigator/Faculty On-Boarding: Facilitating the Transfer of Your New Principal Investigator,” and was presented with co-speakers **Janet Simons**, Director, Research Policy, UMB; **Debbie Pettitt**, NIH/NIDCR & President, SRAI Northeast Section; and **Bill Hoffman**, Administrator, UMB Dental School & Past President, SRAI Northeast Section. The SRA International Southern/Western Combined Sections Meeting was originally scheduled for March 23 in Savannah, Ga., but due to the pandemic, was offered in a virtual format with concurrent sessions throughout the month.

Grants & Contracts

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



Karen Kotloff, MD

► **Karen Kotloff, MD**, Professor, and **Matthew Laurens, MD, MPH**, Associate Professor, both from the Department of Pediatrics, were awarded a \$5.5 million contract by the National Institute for Allergy and Infectious Diseases (NIAID) to conduct a Phase III trial of the Moderna Inc. mRNA vaccine.

► **Miriam Laufer, MD**, Professor, Department of Pediatrics, was awarded a \$3 million R01 grant from the National Institute for Health (NIH)

for “Neurocognitive Development of HIV-Exposed and Uninfected Infants in Malawi.”



Yang Liu, PhD

► **Yang Liu, PhD**, Professor of Surgery, Director, Division of Immunotherapy, Institute of Human Virology, has been awarded \$2.6 million from NIH for his project titled “Preserving CTLA-4 Immune Checkpoint for Safer and More Effective Cancer Immunotherapy.” This five-year award will help establish a fundamental mechanism of irAE and a treatment for adverse effect associated with anti-PD-1 and anti-CTLA-4 combination therapy.

► **Adam Puche, PhD**, Professor, Department of Anatomy and Neurobiology, received



Miriam Laufer, MD



Adam Puche, PhD

a \$600,000 award from the Maryland Department of Health for “COVID-19 Temporary Mortuary Affairs Center (TMAC) Operational Support.” Dr. Puche is the Director of Operations under the Maryland Mass Fatality Plan, whose task is to manage unexpected fatality levels.



Dario Rodrigues, PhD

► **Dario Rodrigues, PhD**, Assistant Professor, Department of Radiation Oncology, was awarded a one-year \$24,115 subcontract with the MAE Group LLC under NCI/NIH R41CA239815 for “Tumor Bed Implant for Simultaneous Heat and Radiation of Resectable Brain Tumors.”

► **Brittney Williams, MD**, Assistant Professor, Department of Anesthesiology, received the Mentored Clinical Scientist Research Career Development

Award. Her project entitled “Role of miRNA-TLR7 Signaling in Platelet Activation and Dysfunction in Sepsis” was approved for funding by the National Heart, Lung, and Blood Institute (NHLBI). Dr. Williams stated she was very pleased with the new NIH support and that her work in the next three to five years will focus on delineating platelet signaling pathways involved in immune-mediated thrombotic complications in sepsis. Dr. Williams has strong interests in how the innate immune system interacts with coagulation in health and disease. This project will specifically focus on the impact of innate immune activation in platelet dysfunction during sepsis and the role of plasma extracellular vesicles in driving coagulation responses.



Brittney Williams, MD

Appointments

We applaud our colleagues on their recent appointments!

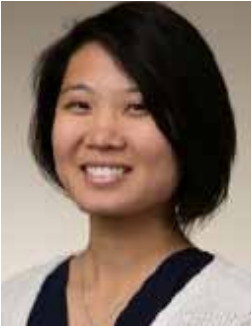


Sharon Tennant, PhD

► **Sharon Tennant, PhD**, Associate Professor, Department of Medicine, has accepted a position as Deputy Editor for *PLoS Neglected Tropical Diseases*.

Honors & Awards

Congratulations to the following who have received honors!



Sarah Dubbs, MD

► **Sarah Dubbs, MD**, Assistant Professor, Department of Emergency Medicine, received a National Junior Faculty Teaching Award from the American College of Emergency Physicians on July 15, 2020. The award is given to “an outstanding educator who demonstrates superior clinical teaching.”

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, was interviewed for the *Emergency Physicians Monthly* EPM Talk podcast episode, “ED Pregnancy Perspective with Elizabeth Clayborne,” which was published on July 9, 2020.

► **Ben Lawner, DO, MS, EMT-P**, Visiting Assistant Professor, Department of

Emergency Medicine, was interviewed as part of three episodes of *The Collective Podcast's* Live:

- “COVID-19 Update, CPR and Mechanical Ventilation in the COVID Patient,” which aired in June 2020.
- “COVID Updates, Double Sequential External Defibrillation for Refractory Ventricular Fibrillation Trial, Advanced Cardiovascular Life Support 2019 Updates, Intravenous vs Intraosseous Epinephrine,” which aired in July 2020.
- “Culture in Emergency Medical Services: What Is Your Clinical Mindset,” which aired in August 2020.



Benjamin Lawner, DO, MS, EMT-P

► **David Marcozzi, MD**, Associate Professor, Department of Emergency Medicine, was interviewed by:

- *Fox 45 Morning News* for “Fourth of July Weekend Warnings,” which was published July 3, 2020.
- *ABC News* for “American Catastrophe: How Did We Get Here? The One-Hour Special Edition of 20/20,” which was published July 28, 2020.
- *WBAL News Radio*, discussing several COVID issues including testing at nursing homes, precautions for people with underlying medical conditions, and safety considerations for school reopening on August 6, 2020.



David Marcozzi, MD



Neeraja Murali, DO

► **Neeraja Murali, DO**, Assistant Professor, Department of Emergency Medicine, was interviewed for the *Baltimore Sports & Beyond with Bobby Trosset* podcast, discussing COVID-19 and the University of Maryland Medical Center Midtown Campus on July 20, 2020.

New Faculty

We welcome our new faculty!



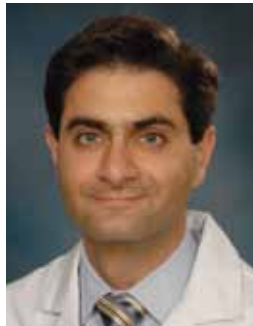
Jochen Cammin, PhD

► **Jochen Cammin, PhD**, joined the Department of Radiation Oncology on August 4, 2020, as an Assistant Professor in the Division of Medical Physics. He comes to Maryland from the Washington University in St. Louis, Mo., where he completed his medical physics residency and worked as a clinical faculty physicist for three years. He received his PhD in experimental particle physics from the University of Bonn (Germany), followed by a postdoctoral fellowship at Johns Hopkins University and a postgraduate certificate in medical physics from the University of Pennsylvania. His research interests include online adaptive radiation treatment, motion management, and multi-energy CT imaging with photon-counting detectors.

Publications

Hats off to those who have been published!

► **Ali Aledhaim, MS**, Postdoctoral Fellow; **Siamak Moayedi, MD**, Assistant Professor; **Steve Schenkel, MD**, Associate Professor; and **Hong Kim, MD, MPH**, Assistant Professor, all from the Department of Emergency Medicine, were among the authors of “Access and Barriers to Take-Home Naloxone Use among Emergency Department Patients with Opioid Misuse in Baltimore, Maryland, USA,” which was published in *Substance Use & Misuse* on July 30, 2020. **Deborah Stein, ELS**, Technical Writer/Editor, Department of Emergency Medicine, edited the manuscript.



Siamak Moayedi, MD

► **Scott Baliban, PhD**, Research Associate, was first author on “Overview of the Nontyphoidal and Paratyphoidal *Salmonella* Vaccine Pipeline: Current Status and Future Prospects,” which was published in *Clinical Infectious Diseases* on August 15, 2020.

► **Donna Calu, PhD**, Assistant Professor, and **Utsav Gyawali**, Graduate Student, Program in Neuroscience, together with others from the Department of Anatomy and Neurobiology, and collaborators at the National Institute on Drug Abuse (NIDA), were senior and lead authors, respectively, of “Role of BNST CRFR1 Receptors in Incubation of Fentanyl Seeking,” which was accepted for publication in *Frontiers in Behavioral Neuroscience* on August 3, 2020.



Donna Calu, PhD

► **Linda Chang, MD, MS**, Professor, and **Thomas Ernst, Dr rer nat**, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Developmental Score of the Infant Brain: Characterizing Diffusion MRI in Term- and Preterm-born Infants,” which was published in *Brain Structure and Function* on August 17, 2020. Separately, Dr. Ernst was among the co-authors of “Genome-Wide Association Study of Liver Fat: The Multiethnic Cohort Adiposity Phenotype Study,” which was published in the June 2020 issue of *Hepatology Communications*.



Linda Chang, MD, MS

► **Kriti Chaplot, PhD**, Postdoctoral Fellow, **Timothy Jarvela, PhD**, Postdoctoral Fellow, and **Iris Lindberg, PhD**, Professor, all from the Department of Anatomy and Neurobiology, were authors of “Secreted Chaperones in Neurodegeneration,” which was accepted for publication in *Frontiers in Aging Neuroscience* on August 3, 2020.



Iris Lindberg, PhD

► **Joseph Cheer, PhD**, Professor, Department of Anatomy and Neurobiology, and **Matthew Roesch, PhD**, Professor, Department of Psychology, University of Maryland College Park (UMCP), co-authored “Anterior Cingulate Cortex Signals Attention in a Social Paradigm that Manipulates Reward and Shock,” which was e-published in *Current Biology* on August 1, 2020. This work was funded by a multi-PI R01 grant from the National Institute of Mental Health.



Joseph Cheer, PhD

► **Rong Chen, PhD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the last author of “Aberrant Correlation Between the Default Mode and Salience Networks in Mild Traumatic Brain Injury,” which was published in the July 2020 issue of *Frontiers in Computational Neuroscience*.



Rong Chen, PhD

► **Elizabeth Clayborne, MD, MA**, Adjunct Assistant Professor, Department of Emergency Medicine, was second author of “Ethical Protection of Powerless Populations,” which was published in *ACEP Now* on July 8, 2020.



Elizabeth Clayborne, MD, MA

► **Lauren Cohee, MD**, Instructor, and **Miriam Laufer, MD**, Professor, both from the Department of Pediatrics, were among the authors of “Efficacy and Tolerability of Artemisinin-Based and Quinine-Based Treatments for Uncomplicated *Falciparum* Malaria in Pregnancy: A Systematic Review and Individual Patient Data Meta-Analysis,” which was published in *Lancet Infectious Diseases* on August 1, 2020.

► **Cody Couperus-Mashevske, MD**, Resident, Department of Emergency Medicine, was second author of “Respiratory Failure Due to a Large Mediastinal Mass in a 4-Year-Old Female with Blast Cell Crisis: A Case Report,” which was published in *Clinical Practice and Cases in Emergency Medicine* on June 19, 2020.



Derik Davis, MD

► **Derik Davis, MD**, Associate Professor, and **Michael Mulligan, MD**, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Epithelioid Sarcoma with Retained INI1 (SMARCB1) Expression,” which was published in *Histopathology* on August 16, 2020.

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the primary author of “Cardiac Imaging for Coronary Heart Disease Risk Stratification in Chronic Kidney Disease,” which was published in the *Journal of the American College of Cardiology: Cardiovascular Imaging*. Additionally, Dr. Dilsizian, was co-author of “Guidance and Best Practices for Nuclear Cardiology Laboratories during the Coronavirus Disease 2019 (COVID-19) Pandemic: An Information Statement from ASNC and SNMMI,” which was published in the June 2020 issue of the *Journal of Nuclear Cardiology*.



Vasken Dilsizian, MD

► **David Dreizin, MD**, Associate Professor, and **Guang Li, PhD**, Assistant Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the authors of “Low-Dose Computed Tomographic Scans for Postoperative Evaluation of Craniomaxillofacial Fractures: A Pilot Clinical Study,” which was published in the August 2020 issue of *Plastic and Reconstructive Surgery*.



David Dreizin, MD

► **David Eisenman, MD**, Associate Professor, and Vice Chair, Department of Otolaryngology-Head and Neck Surgery, Program Director Division of Otolaryngology and Neurology, authored “Rereading Arrowsmith in the COVID-19 Pandemic,” which was published in the June 2020 issue of *JAMA*, and was the topic of a national webinar discussion in *The Scientist* magazine’s The Scientist Social Club on September 25, 2020.



David Eisenman, MD

► **Reha Erzurumlu, PhD**, Professor, Department of Anatomy and Neurobiology, and **Patricia Gaspar, MD, PhD**, Institut National de la Santé et de la Recherche Médicale, Paris Brain Institute, Sorbonne Universités, Paris, France, authored the review article “How the Barrel Cortex Became a Working Model for Developmental Plasticity: A Historical Perspective,” commemorating 50 years of the



Reha Erzurumlu, PhD

first publication on the barrel cortex in 1970. The article was published in a special issue of the *Journal of Neuroscience* on August 19, 2020, commemorating the 50th anniversary of the Society for Neuroscience.

► **Megan Fox, PhD**, Assistant Professor, Department of Anatomy and Neurobiology; **Antonio Figueiredo**, Graduate Student, Program in Neuroscience; **Miriam Menken**, Graduate Student, Program in Neuroscience; and **Mary Kay Lobo, PhD**, Professor, Department of Anatomy and Neurobiology, were the authors of “Dendritic Spine Density is Increased on Nucleus Accumbens D2 Neurons after Chronic Social Defeat,” which was published in *Scientific Reports* on July 24, 2020.



Mary Kay Lobo, PhD

► **Jeffrey Galvin, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the authors of “Diagnostic Workup of Constrictive Bronchiolitis in the Military Veteran,” which was published in *Military Medicine* on August 6, 2020.



Jeffrey Galvin, MD

► **David Gatz, MD**, Assistant Professor, Department of Emergency Medicine, was second author of “37-Year-Old Transgender Man with Fevers, Dysuria, and Sudden Decompensation,” which was published in *Clinical Practice and Cases in Emergency Medicine* on July 20, 2020.

► **Jenny Guyther, MD**, Assistant Professor, Department of Emergency Medicine, was the author of “Advances in Pediatric Neck Trauma: What’s New in Assessment and Management?” which was published in *Trauma Reports* on September 1, 2020. **Deborah Stein, ELS**, Technical Writer/Editor, Department of Emergency Medicine, edited the manuscript.

► **Kim Hankey, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “MALDI-MSI Spatially Maps N-Glycan Alterations to Histologically Distinct Pulmonary Pathologies Following Irradiation,” which was published in *Science Reports* on July 14, 2020.

► **Isabel Jackson, PhD**, Associate Professor, Department of Radiation Oncology, was among the authors of “Irradiation-Induced Upregulation of miR-711 Inhibits DNA Repair and Promotes Neurodegeneration Pathways,” which was published in the *International Journal of Molecular Sciences* on July 23, 2020.



Isabel Jackson, PhD

► **Rupal Jain, MD**, Adjunct Assistant Professor, Department of Emergency Medicine, led the first three episodes of the new Critical Care Now Rad Review video series:

- The ABCT’s of CT Imaging parts 1 and 2, which were published on July 19 and July 23, 2020, respectively.
- CATscan DOGmalysis part 1, which was published on August 6, 2020.

► **Kimia Khalatbari Kani, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was first author of “Non-Interventional Radiology Fellowship Programs: What Is Out There?” which was published in *Current Problems in Diagnostic Radiology* on June 26, 2020.

► **Sam King, MD**, Resident; **Ryan Spangler, MD**, Clinical Assistant Professor; **Zachary Dezman, MD**, Assistant Professor; and **Laura Bontempo, MD**, Associate Professor, all from the Department of Emergency Medicine, were the authors of “36-year-old Male with Syncope,” which was published in *Clinical Practice and Cases in Emergency Medicine* on July 20, 2020.

► **Diane Kuhn, MD, PhD**, Resident and lead author; **Daniel Haase, MD**, Assistant

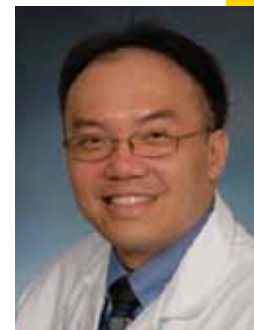


Rupal Jain, MD



Zachary Dezman, MD

Professor; and **Quincy Tran, MD**, Assistant Professor, all from the Department of Emergency Medicine, were among the authors of “Blood Pressure Management in Emergency Department Patients with Spontaneous Intracerebral Hemorrhage,” which was published in *Blood Pressure Monitoring* on July 30, 2020. **Deborah Stein, ELS**, Technical Writer/Editor, Department of Emergency Medicine, edited the manuscript.



Quincy Tran, MD



Narottam Lamichhane, PhD

► **Narottam Lamichhane, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Immunotherapies and Combination Strategies for Immunotherapy,” which was published in the *International Journal of Molecular Sciences* on July 15, 2020.

► **Marcel Lanza, PhD**, Postdoctoral Fellow, Department of Physical Therapy and Rehabilitation Science, was a co-author of “Acute Physiological Responses with Varying Load or Time Under Tension During a Squat Exercise: A Randomized Cross-Over Design,” which was e-published in the *Journal of Science and Medicine in Sports*.



Miriam Laufer, MD

► **Miriam Laufer, MD**, Professor, Department of Pediatrics, authored “Prevalence and Clinical Management of Non-Malarial Febrile Illnesses among Outpatients in the Era of Universal Malaria Testing in Malawi,” which was published in the August 2020 issue of the *American Journal of Tropical Medicine and Hygiene*.

► **Kirsten Lyke, MD**, Professor, Department of Medicine, was lead author, and **Kathleen Neuzil, MD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH Professor in Vaccinology, and Director, Center for Vaccine Development and Global Health, were co-authors of “Phase 1/2 Study of COVID-19 RNA Vaccine BNT162b1 in Adults,” which was published in *Nature* on August 12, 2020.



Kirsten Lyke, MD



Sarah McAvoy, MD

► **Sarah McAvoy, MD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Proton Therapy Reduces the Likelihood of High-Grade Radiation-Induced Lymphopenia in Glioblastoma Patients: Phase II Randomized Study of Protons vs. Photons,” which was e-published in *Neuro-Oncology* on August 5, 2020.

► **Robert Miller, MD**, Professor, Department of Radiation Oncology, was among the authors of “Patient-Reported Quality of Life Before and After Chemoradiation for Intact Pancreas Cancer: A Prospective Registry Study,” which was e-published in *Practical Radiation Oncology* on July 23, 2020.



Robert Miller, MD



Mark Mishra, MD

► **Mark Mishra, MD**, Associate Professor, and **Caitlin Eggleston**, Clinical Research Specialist, both from the Department of Radiation Oncology, were among the authors of “Patient Preferences for Reducing Bowel Adverse Events Following Prostate Radiotherapy,” which was published in *PLoS One* on July 8, 2020.

► **Jason Molitoris, MD, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Limited Role for Routine Restaging after Neoadjuvant Therapy in



Jason Molitoris, MD, PhD

Locally Advanced Rectal Cancer,” which was e-published in the *Journal of Surgical Research* on July 23, 2020.

► **Kathleen 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 “An mRNA Vaccine against SARS-CoV-2—Preliminary Report,” which was published in the *New England Journal of Medicine* on July 14, 2020. Additionally, Dr. Neuzil, was the lead author of “Early Insights from Clinical Trials of Typhoid Conjugate Vaccine,” which was published in *Clinical Infectious Diseases* on July 29, 2020.



Kathleen Neuzil, MD, MPH, FIDSA

► **Michael Sikorski; Sachin Desai, MD**, Assistant Professor, Department of Pediatrics; **Sharon Tennant, PhD**, Associate Professor, Department of Medicine; and **Myron Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor and Associate Dean for Global Health, Vaccinology and Infectious Diseases, authored “Tenacious Endemic Typhoid Fever in Samoa,” which was published in *Clinical Infectious Diseases* on July 29, 2020.



Myron Levine, MD, DTPH

► **Amed Ouattara, PhD, PharmD**, Research Associate; Department of Medicine; **Matthew Laurens, MD, MPH**, Associate Professor, Department of Pediatrics; **Miriam Laufer, MD, MPH**, Professor, Department of Pediatrics; **Shannon Takala-Harrison, PhD**, Associate Professor, Department of Medicine, and **Joana Da Silva, PhD**, Professor, Department of Microbiology and Immunology, authored “Epitope-Based Sieve Analysis of Plasmodium Falciparum Sequences from a FMP2.1/AS02 A Vaccine Trial is Consistent with Differential Vaccine Efficacy Against Immunologically Relevant AMA1 Variants,” which was published in *Vaccine* on July 31, 2020.



Amed Ouattara, PhD, PharmD

► **Prashant Raghavan, MD**, Associate Professor, and **Robert Morales, MD**, Assistant Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the authors of “Association of Pulse Synchronous Tinnitus and Sigmoid Sinus Wall Abnormalities in Patients with Idiopathic Intracranial Hypertension,” which was published in *American Journal of Otolaryngology* on August 13, 2020. Separately, Dr. Raghavan was among the authors of “Trends and Controversies in Carotid Artery Stenosis Treatment,” which was published in *F1000Res* on August 7, 2020.



Prashant Raghavan, MBBS

► **Saima Riazuddin, PhD, MPH, MBA**, Professor, Departments of Otorhinolaryngology Head and Neck Surgery, Biochemistry and Molecular Biology and Ophthalmology & Visual Sciences, and **Zubair Ahmed, PhD**, Professor, Departments of Otorhinolaryngology Head and Neck Surgery and Biochemistry and Molecular Biology, were among the co-authors of “Novel Mutations in CLPP, LARS2, CDH23 and COL4A5 Identified in Familial Cases of Prelingual Hearing Loss,” which was published in *Genes* on August 22, 2020. Additionally, Drs. Riazuddin and Ahmed were among the co-authors of “De Novo and Bi-Allelic Pathogenic Variants in NARS1 Cause Neurodevelopmental Delay Due to Toxic Gain-of-Function and Partial Loss-of-Function Effects,” which was published in the August 2020 issue of the *American Journal of Human Genetics*.



Saima Riazuddin, PhD, MPH, MBA



Bradford Schwartz, MD

► **Bradford Schwartz, MD**, Adjunct Assistant Professor, and **Quincy Tran, MD**, Assistant Professor, both from the Department of Emergency Medicine, were among the authors of “Correlation of History and Physical Examination with Imaging in Traumatic Near-Shore Aquatic Head and Spinal Injury,” which was published in *American Journal of Emergency Medicine* on July 15, 2020. **Deborah Stein, ELS**, Technical Writer/Editor, Department of Emergency Medicine, edited the manuscript.

► **Kinjal Sethuraman, MD, MPH**, Assistant Professor, Department of Emergency Medicine, was among the authors of:

- “Association of Pressure Injury with Body Care Activities in Nursing Homes,” which was accepted for publication in *Wound Repair and Regeneration* on July 4, 2020.
- “Unique Risks and Solutions for Equitable Advancement during the COVID-19 Pandemic: Early Experience from Frontline Physicians in Academic Medicine,” which was published in *NEJM Catalyst* on July 20, 2020.
- “A Phase 2B Randomised Trial of Hyperbaric Oxygen Therapy for Ulcerative Colitis Patients Hospitalised for Moderate to Severe Flares,” which was published in *Alimentary Pharmacology and Therapeutics* on August 3, 2020.



Kinjal Sethuraman, MD, MPH



Giovannino Silvestri, PhD

► **Giovannino Silvestri, MS, PhD**, Research Associate of Medicine, Division of Infectious Agents and Cancer, Institute of Human Virology, was the second author of “PI3K δ Inhibition as a Potential Therapeutic Target in COVID-19,” which was published in *Frontiers in Immunology*, section Vaccines and Molecular Therapeutics, on August 21, 2020.

► **William Still; Milagritos Tapia, MD**, Professor, Department of Pediatrics; **Sharon Tennant, PhD**, Associate Professor, Department of Medicine; **Samba Sow, MD**, Adjunct Professor, Department of Medicine; **Myron Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor and Associate Dean for Global Health, Vaccinology and Infectious Diseases; and **Karen Kotloff, MD**, Professor, Department of Pediatrics, authored “Surveillance for Invasive *Salmonella* Disease in Bamako, Mali from 2002 to 2018,” which was published in *Clinical Infectious Diseases* on July 29, 2020.



Samba Sow, MD



Milagritos Tapia, MD

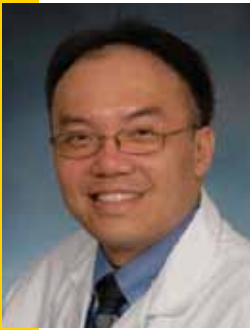
► **Milagritos Tapia, MD**, Professor, Department of Pediatrics, was among the authors of “Efficacy, Duration of Protection, Birth Outcomes, and Infant Growth Associated with Influenza Vaccination in Pregnancy: A Pooled Analysis of Three Randomized Controlled Trials,” which was published in *The Lancet Respiratory Medicine* on June 1, 2020.

► **Sharon Tennant, PhD**, Associate Professor, Department of Medicine, and **David Rasko, PhD**, Professor, Department of Microbiology and Immunology, authored “Examination of 189 *Campylobacter* Species Isolates from the Global Enteric Multicenter Study,” which was published in *Microbiology Resource Announcements* on July 23, 2020.

► **Quincy Tran, MD**, Assistant Professor, Department of Emergency Medicine, was among the authors of “The Effect of Platelet Transfusion on Functional



Sharon Tennant, PhD



Quincy Tran, MD

Independence and Mortality after Antiplatelet Therapy Associated Spontaneous Intracerebral Hemorrhage: A Systematic Review and Meta-Analysis,” which was published in the *Journal of the Neurological Sciences* on August 1, 2020.

► **H. A. Wang**, Visiting Student; **Hua Jun Liang, MBBS, PhD**, Postdoctoral Fellow; **Thomas Ernst, Dr rer nat**, Professor; and **Linda Chang, MD, MS**, Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Microstructural Brain Abnormalities in HIV+ Individuals with or without Chronic Marijuana Use,” which was published in the August 2020 issue of the *Journal of Neuroinflammation*. Ms. Wang was first author and Dr. Chang was last author of the article.

► **R. Gentry Wilkerson, MD**, Associate Professor; **Sharleen Yuan, MD, PhD, MA**, Resident; and **Andy Windsor, MD**, Assistant Professor, all from the Department of Emergency Medicine, were the authors of “Trauma in Pregnancy: A Comprehensive Overview,” which was published in *Trauma Reports* on April 3, 2020. **Deborah Stein, ELS**, Technical Writer/Editor, Department of Emergency Medicine, edited the manuscript.



R. Gentry Wilkerson, MD

► **Michael Winters, MD**, Professor, Department of Emergency Medicine, was among the discussants in the twice-monthly podcast, *Critical Care Perspectives in Emergency Medicine*, episode “Tranexamic Acid for Gastrointestinal Bleeds? The HALT-IT Trial,” which was published on July 15, 2020.

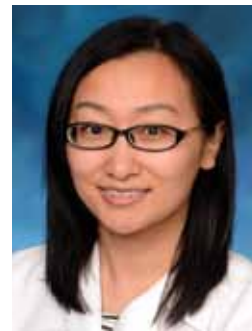


Michael Winters, MD

► **Matthew Witek, MD, MS**, Associate Professor, Department of Radiation Oncology, was among the authors of “Head and Neck Cancers, Version 2.2020, NCCN Clinical Practice Guidelines in Oncology,” which was published in the July 2020 issue of the *Journal of the National Comprehensive Cancer Network*.



Matthew Witek, MD, MS



Huijun Xu, PhD

► **Huijun Xu, PhD**, Assistant Professor; **Stewart Becker, PhD**, Assistant Professor; and **Cedric Yu, PhD**, Professor, all from the Department of Radiation Oncology, were among the authors of “Technical Note: Dosimetric Feasibility of Lattice Radiotherapy for Breast Cancer Using GammaPod,” which was e-published in *Medical Physics* on July 8, 2020.

► **Su Xu, PhD**, Associate Professor, (first author); **Shiyu Tang, PhD**, Postdoctoral Fellow; and **Xin Li, MS**, Laboratory Research Specialist, all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Abnormalities in Brain and Muscle Microstructure and Neurochemistry of the DMD Rat Measured by in vivo Diffusion Tensor Imaging and High Resolution Localized 1H MRS,” which was published in the July 2020 issue of *Frontiers in Neuroscience*.



Su Xu, PhD



Li-Qun Zhang, PhD

► **Li-Qun Zhang, PhD**, Professor, Department of Physical Therapy and Rehabilitation Science, is a co-author of “Plane Dependent Subject-Specific Neuromuscular Training for Knee Rehabilitation,” which was recently published in the *Institute of Electrical and Electronics Engineers (IEEE) Transactions on Neural Systems and Rehabilitation Engineering*.

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/>

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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