



What's the Buzz?

OCTOBER 2021 VOL.23 NO.10

SELF-REPORTED NEWS from the SCHOOL OF MEDICINE COMMUNITY

Grants & Contracts

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



Jennifer Albrecht, PhD

► **Jennifer Albrecht, PhD**, Associate Professor, Department of Epidemiology & Public Health, received a \$26,650 award from the American Association of Sleep Medicine Foundation for her work entitled "Impact of Treated and Untreated OSA on Hospitalization and 30-day Hospital Readmission among Medicare Beneficiaries with CVD."

► **Ola Awad, PhD**, Assistant Professor, Department of Microbiology and Immunology, was awarded a two-year \$424,875 R21 grant from the National Institute of Neurological Disorders and Stroke (NINDS/NIH) for "Mechanisms of Neuronal Loss Mediated by mTORC1-TFEB Deregulation in Human iPSC Model of GBA1-Associated Parkinson's Disease."

► **Jonathon Baghdadi, MD, PhD**, Assistant Professor, Department of Epidemiology & Public Health, received a \$35,000 National Academy of Sciences "National Academy of Medicine "NAM" Scholars in Diagnostics Excellence" award.

► **Cali Calarco, PhD**, Postdoctoral Fellow in the laboratory of **Mary Kay Lobo, PhD**, Professor, Department of Anatomy and Neurobiology, received a partial year, \$44,260, Postdoctoral National Research Service Award from the National Institute of Drug Abuse (NIH/NIDA) to study "The Influence of Peroxisome Proliferator-Activated Receptor Gamma Coactivator-1 Alpha (PGC-1a) on the Nucleus Accumbens during Cocaine-Self-Administration." **Joseph Cheer, PhD**, Professor, Department of Anatomy and Neurobiology, was a co-sponsor.

► **Eric Choi, PhD**, Student in the Graduate Program in Biochemistry & Molecular Biology, currently working in the laboratory of **Mary Kay Lobo, PhD**, Professor, Department of Anatomy and Neurobiology, received a three-year, \$114,849 F31 Predoctoral National Research Service Award from the National Institute of Drug Abuse (NIH/NIDA) to study "Cell Subtype Transcriptional Role of Nab2 in Cocaine Self Administration."



James Galen, PhD

► **James Galen, PhD**, Professor, Department of Medicine, received a one-year, \$105,337 Industry sponsored project award from Irazu Bio for "Completion of Mouse Experiments to Determine CRC-Specific Humoral and Cellular Immunogenicity Solicited Either by Purified rOMVs Alone or Heterologous Prime-Boosting Immunization Strategies."

► **Anthony Harris, MD, MPH**, Professor, Department of Epidemiology & Public Health, received a \$824,036 supplement from the Centers of Disease Control for his work entitled "Prevention Epicenters Program:



Jonathan Baghdadi, MD, PhD



Anthony Harris, MD, MPH

Protecting Patients from Infections, Antibiotic Resistance and Other Adverse Events."



Karen Kotloff, MD

► **Karen Kotloff, MD**, Professor of Pediatrics, was awarded a VTEU Clinical Site: DMID 21-0011 SNIFF Trial from the National Institute of Allergy and Infectious Diseases totaling \$11,669,935. She also was awarded a VTEU Clinical Site: DMID 21-0012 Mix and Match Trial from the National Institute of Allergy and Infectious Diseases totaling \$1,121,472.

► **Matthew Laurens, MD, MPH**, Associate Professor, Department of Pediatrics, was awarded DON In Pediatric Cerebral Malaria: A Phase I/II Dose-Escalation Safety Study U01 Sub-Awardee (Co-PI), period 8/1/2021-5/31/2025, total award for five years \$5,567,850. Dr. Laurens Sub-Agreement is for a total of \$561,694 over the five-year period.



Matthew Laurens, MD, MPH



Myron Levine, MD, DTPH

► **Myron Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor, Department of Medicine, received a four-year, \$6,615,432 grant from the Wellcome Trust for "Age-Descending Phase 2 Trial to Assess Safety and Immunogenicity of a Trivalent Salmonella (S. Enteritidis, S. Typhimurium, S. Typhi Vi) Conjugate Vaccine for sub-Saharan Africa."

► **Jay Magaziner, PhD, MSHyg**, Professor and Chair, Department of Epidemiology & Public Health; **Leslie Katzel, MD, PhD**, Associate Professor, Department of Medicine; and **Alice Ryan, PhD**, Professor, Department of Medicine, received \$5,788,457 of continuing support for their work entitled, "Claude D. Pepper Older Americans Independence Center (UM-OAIC)."



Jay Magaziner, PhD, MSHyg



Edna Pereira, PhD

► **Edna Pereira, PhD**, Associate Professor, Department of Epidemiology & Public Health, and **Rao Gullapalli, PhD, MBA**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, were awarded a \$386,174 supplement for their NIH RO1 grant entitled "Targeting M1/M3 Muscarinic Receptors to Treat Gestational Pesticide Poisoning."

► **Michael Terrin, MDCM, MPH**, Professor, Department of Epidemiology & Public Health, received a six-month, \$199,058 UMB/UMCP MPowering the State award for his work entitled "Big Ten."



Michael Terrin, MDCM, MPH

Presentations, Events, Lectures & Workshops

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



Bizhan Aarabi, MD

► **Bizhan Aarabi, MD**, Professor, Department of Neurosurgery, presented a virtual lecture entitled “Management of Brain Contusions Following Blunt TBI” to the Brazilian Society of Neurosurgery on August 10, 2021.

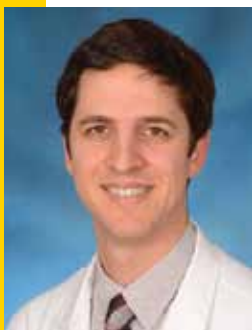
► **Pavlos Anastasiadis, PhD**, Research Associate, Department of Neurosurgery, was invited by the Focused Ultrasound Foundation to give a virtual presentation at a workshop in September 2021 entitled, “Focused Ultrasound-Mediated Immunomodulation in Glioblastoma: A Multi-Center Consortium Approach.”

► **Natalie Davis, MD, MMSc**, Associate Professor, Department of Pediatrics, presented “Using Evidence to Drive Car Seat Tolerance Screening Policy” at the 16th Annual Kidz-in-Motion (KIM) National Child Passenger Safety Conference in Madison, Wisconsin on August 11, 2021.



Pavlos Anastasiadis, PhD

► **Daniel Gingold, MD, MPH**, Assistant Professor, Department of Emergency Medicine, presented “Enhanced Telemedicine Capabilities in a Mobile Integrated Health Program to Improve Primary Care Access during COVID Pandemic” at the Summer Institute in Nursing Informatics Conference, which was held online on July 16, 2021. Dr. Gingold and **David Marcozzi, MD, MHS-CL, FACEP**, Professor, both from the Department of Emergency Medicine, presented “Innovative Use of Emergency Medicine Providers to Reduce Overutilization of 911” at the 2021 American Association of Nurse Practitioners’ National Conference, which was held online June 15–August 31, 2021.



Daniel Gingold, MD, MPH

► **Michael Grasso, MD, PhD**, Assistant Professor, Department of Emergency Medicine, presented “W13: Open-Source and Interoperable Approaches for Clinical Decision Support” at the American Medical Informatics Association’s 2021 Annual Symposium, which was held in San Diego, CA, on October 30, 2021.

► **Jennifer Guyther, MD**, Assistant Professor, Department of Emergency Medicine, presented “Little Bellies Big Problems: The Controversies in the Approach to Pediatric Blunt Abdominal Trauma” at the Greater Chesapeake 2021 Emergency Medicine conference, which was hosted by Georgetown University Hospital/ Washington Hospital Center Emergency Medicine Residency Program on September 15, 2021.



Michael Grasso, MD, PhD, FACP

► **Benjamin Lawner, DO, MS, EMT-P**, Associate Professor, Department of Emergency Medicine, presented on career considerations in critical care transport to the University of Pittsburgh’s Student Emergency Medical Services group in October 2020.

► The **Department of Emergency Medicine** presented its 11th annual The Crashing Patient: Resuscitation and Risk Management Conference October 5–7, 2021, directed by **Amal Mattu, MD**, Professor. The third day of the event featured an administrative conference for the second year in a row, co-directed by

Amitabh Chandra, MD, Assistant Professor; **Stephen Schenkel, MD, MPP**, Associate Professor; and **Mercedes Torres, MD**, Clinical Assistant Professor, as well as a Cadaver Lab Procedures Workshop directed by **Mak Moayed, MD**, Associate Professor, and taught by **Michael Billet, MD**, Assistant Professor;



Benjamin Lawner, DO, MS, EMT-P



Amitabh Chandra, MD



Douglas Sward, MD

Cheyenne Falat, MD, Instructor; **Sam King, MD**, Clinical Instructor; **Lauren Rosenblatt, MD**, Instructor; **Rebecca Rubenstein, MD**, Clinical Instructor; **Douglas Sward, MD**, Clinical Assistant Professor; and **Dominic Williams, DO**, Clinical Instructor. The conference included the following presentations by members of the department’s faculty:

• **Michael Abraham, MD**, Adjunct Assistant Professor: “Your Neurons Don’t Like Lawsuits: High Risk Neurological Presentations”

• **Leen Alblaihed, MBBS, MHA**, Assistant Professor: “Focus on POCUS:

- Don’t Let the RV Strain You”
- Don’t Stress with Respiratory Distress”
- ECHO for Cath Lab Activation?!”

• **Michael Bond, MD, FACEP, FAAEM**, Professor: “E3—Extreme Extremity Emergencies”

• **Laura Bontempo, MD, MEd**, Associate Professor: “More than Just a Sore Throat: Killer ENT Infections”

• **Kenneth Butler, DO**, Associate Professor: “Current Management of the Difficult Airway”

• **Sarah Dubbs, MD**, Assistant Professor: “Do No Harm: Usual Care That Can Harm Your Oncology Patient”

• **Cheyenne Falat, MD**, Instructor: “One Hot Mess: Resuscitating Heat Illness”

• **J. David Gatz, MD**, Assistant Professor: “Transplant Train Wrecks”

• **Kami Hu, MD**, Assistant Professor: “Submersion Iatrogenica: Breaking the Hippocratic Oath”

• **Sam King, MD**, Clinical Instructor: “Focus on POCUS: IVC Pitfalls in Fluid Resuscitation”

• **Priya Kuppusamy, MD**, Adjunct Assistant Professor: “Peace Out! AMA Disasters”

• **Benjamin Lawner, DO, MS, EMT-P**, Associate Professor: “Tales from the Bleeding Edge: Tips for Terrible Traumatic Resuscitations”

• **Rhamin Ligon, MD**, Clinical Assistant Professor: “Selling Emergency Medicine to the C-Suite”

• **Joseph Martinez, MD**, Associate Professor: “The Crashing Cirrhotic”

• **Amal Mattu, MD**, Professor: “ECG Disasters and Near-Disasters! (Parts 1 and 2)”

• **Neeraja Murali, DO**, Assistant Professor: “Tiny Tots with Tummy Aches: A Crash Course in Peds GI Emergencies”

• **Anthony Roggio, MD**, Assistant Professor: “Building Telehealth”

• **Lauren Rosenblatt, MD**: “A Shocking Tale of Refractory VFib”

• **Rebecca Rubenstein, MD**: “Pharmacologic Pitfalls at Discharge”

• **Alexis Salerno, MD**, Assistant Professor: “Focus on POCUS:

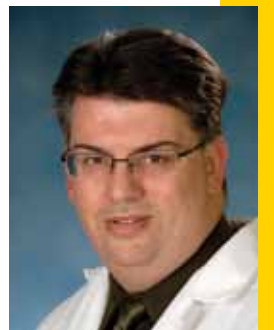
- The FAST Exam—Saving Your Next Non-Trauma Patient”
- “Deadly Diagnoses Hiding in the Dirty Shadow”

• **Stephen Schenkel, MD, MPP**, Associate Professor: “Administrative Pandemic M&M”

• **Angela Smedley, MD**, Assistant Professor, and **Dr. Gatz**: “Cases in ED Administration”

• **Ryan Spangler, MD**, Assistant Professor: “Atypical Presentation, Typical Risk ‘Down There’ ”

• **Mark Sutherland, MD**, Assistant Professor: “The Crashing Intubated Patient”



Michael Bond, MD, FACEP, FAAEM



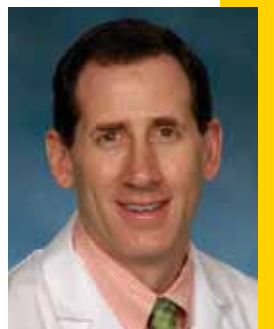
Laura Bontempo, MD, MEd



Sarah Dubbs, MD



Joseph Martinez, MD



Stephen Schenkel, MD, MPP

Presentations, Events, Lectures & Workshops

Continued



Semhar Tewelde, MD

- **Semhar Tewelde, MD**, Assistant Professor: “Killer B”
- **R. Gentry Wilkerson, MD**, Associate Professor: “Managing the Sick Sickle Cell Patient”
- **Dominic Williams, DO**, Clinical Instructor: “Psychiatric Emergencies: When Mental Health Meets Critical Care”
- **T. Andrew Windsor, MD**, Assistant Professor: “Spinal Injury Disasters”



R. Gentry Wilkerson, MD

Honors & Awards

Congratulations to the following who have received honors!

► **Omer Awan, MD, MPH**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was named by Aunt Minnie as one of the semifinalists for Most Effective Radiology Educator.

► **Jessica Brown, PhD**, Associate Professor, Department of Epidemiology & Public Health, has been selected as a Lumen Circles Fellow for Fall 2021. Dr. Brown’s fellowship is sponsored by the USM Kirwan Center for Academic Innovation, and the theme is “Belonging & Inclusive Teaching.”



Jessica Brown, PhD

► **Linda Horn, PT, DScPT, MHS**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science (PTRS), has been selected as a GLOBALtime Teaching Fellow. This initiative, sponsored by the UMB Center for Global Education, supports UMB faculty in learning how to add global content to existing or new courses. Dr. Horn will develop global health content to be added into Professional Issues II for the PTRS DPT Program and will work with faculty from other programs on campus to develop this content.



Linda Horn, PT, DScPT, MHS

New Faculty

We welcome our new faculty!

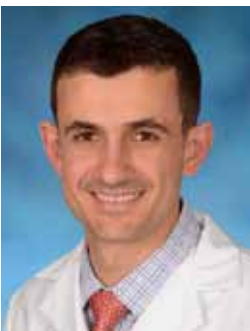


Mohamed Labib, MD, CM

► **Mohamed Labib, MD, CM**, was appointed Assistant Professor, Department of Neurosurgery, in August 2021. Dr. Labib joins the department after completing his Neurosurgical Residency training at Barrow Neurological Institute. Dr. Labib has also completed four surgical fellowships: an Endoscopic Cranial Base Fellowship at the University of Pittsburgh; an Endoscopic Skull Base Fellowship at the University of Ottawa; an Open Cerebrovascular Fellowship at North Shore University Hospital, and an Open Skull

Base Fellowship at the University of Colorado Hospital. Dr. Labib’s academic interests focus on advanced surgical training and neuro-anatomy, including both open and endoscopic approaches. Dr. Labib’s

passion for surgical technique and anatomic mastery will open new and exciting opportunities for the department and university.



Melsjan Shkullaku, MD, MBA

► **Melsjan Shkullaku, MD, MBA**, Assistant Professor, Department of Medicine, is joining the Interventional Team in Cardiovascular Medicine tentatively in October 2021.

► **Benjamin Siemsen, PhD**, joined the Department of Anatomy and Neurobiology as a Faculty Research Associate on July 19, 2021. Dr. Siemsen completed his PhD in 2018 at the Medical University of South Carolina and stayed at MUSC to conduct his postdoctoral fellowship from 2018-2021.

Appointments

We applaud our colleagues on their recent appointments!



Robert Bloch, PhD

► **Robert Bloch, PhD**, Professor, Department of Physiology, was named an editor of the Striated Muscle Physiology section of *Frontiers in Physiology*.

► **Roy Film, PT, MPT, DPT, OCS, FAAOMPT**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, has been chosen in a national elec-

tion to serve a three-year term as Secretary of the American Academy of Orthopaedic Manual Physical Therapists (AAOMPT). AAOMPT is a national organization committed to excellence in Orthopaedic Manual Physical Therapy practice, education, and research.



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

In the News

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

► **Leen Alblaihed, MBBS, MHA**, Assistant Professor, Department of Emergency Medicine, was featured on:

- “Managing Hypertension and Patients with Acute Stroke” on *EMCast* July 2, 2020
- REBEL Core Cast discussing “Pyomyositis” on June 30, 2021, and “Hemophilia” on July 28, 2021



Andrea Berry, MD

► **Andrea Berry, MD**, Assistant Professor, Department of Pediatrics, was interviewed by *WTOP* discussing why COVID is often less severe in children.

► **James Campbell, MD, MS**, Professor, Department of Pediatrics, discussed pediatric COVID vaccines with *WYPR (NPR)* on August 25, 2021.

► **Wilbur Chen, MD, MS**, Professor, Department of Medicine, was interviewed by *National Geographic* regarding booster doses on August 12, 2021.

► **Lynda Coughlan, PhD**, Assistant Professor, Department of Microbiology and Immunology, was quoted in the *New York Times* about the Johnson & Johnson booster shot.

► **J. David Gatz, MD**, Assistant Professor, Department of Emergency Medicine, was featured on “Management of Intracerebral Hemorrhage” on *EMCast* in December 2020.

► **Matt Laurens, MD, MPH**, Associate Professor, Department of Pediatrics, in August, was interviewed and quoted in:

- *PolitiFact* online re: “No Evidence That COVID-19 Vaccines Causing the Summer Surge in COVID-19 Cases”
- *verywellhealth.com* regarding the FDA’s recommendation for booster shots for individuals who are immunocompromised and by *KCBS News Radio San Francisco* re: “U.S. to Advise Booster Shots for Most Americans”
- *WUSA9* Washington, D.C. re: “What Does ‘Full Approval’ of the COVID-19 Vaccines Mean?”
- *WBAL TV11* Baltimore News re: “Despite Recommendations, Doctors Say Booster Shots Are Not Necessary for Everyone”
- *WMAR2* Baltimore News regarding “Will the COVID-19 Vaccine Become An Annual Shot?”
- *Fox45* re: COVID vaccine booster shots.
- *WUSA9* Washington, D.C. re: “When Will Kids Under 12 Be Eligible for the COVID-19 Vaccine?”
- *PolitiFact* online re: “V-Safe: How Everyday People Help the CDC Track COVID-19 Vaccine Safety with Their Phones” and “Immunity Gained from COVID-19 Infection Ignores the Risks of Getting the Disease.”



James Campbell, MD, MS



Lynda Coughlan, PhD



Matthew Laurens, MD, MPH



Benjamin Lawner, DO, MS, EMT-P

► **Benjamin Lawner, DO, MS, EMT-P**, Associate Professor, Department of Emergency Medicine, was featured on “A Case Review Discussing Shock” with the Baltimore Critical Care Transport Collaborative on August 23, 2021.

► **Kirsten Lyke, MD**, Professor, Department of Medicine, talked with *Rolling Stone* and *Popular Science*, on August 19-20, 2021, about the mix and match COVID booster study.

► **Amal Mattu, MD**, Professor, Department of Emergency Medicine, was featured on:

- EM:RAP’s “Cardiology Corner” discussing:
 - “Hypertensive Emergencies Part 1” in July 2020
 - “Pulmonary Embolism Updates” in November 2020
 - “Aortic Dissection Update” in March 2021
 - “Kounis Syndrome” in June 2021
- “Lessons Learned as an Expert Witness” on ERcast in August 2020
- Eagles Webinars on COVID-19:
 - “Post-Recovery Cardiac Dysfunction Associated with COVID-19” on August 4, 2020
 - “ECG Findings of STEMI vs. Acute Pericarditis” on September 29, 2020
 - “AHA Guidelines Update 2020” on November 3, 2020
 - “Hyperkalemia Mimicking STEMI” on December 1, 2020
 - “Post-COVID-19: Return to Sports, Return to Duty” on January 5, 2021
 - “Ventricular Fibrillation Storm in COVID-19” on January 26, 2021
 - “Electrocardiography of COVID-19” on February 16, 2021
 - “Electrical Storm” on March 9, 2021
 - “Return to Play for Athletes after COVID-19” on March 16, 2021
 - “VTach Mimics Part I: Really Wide Complex Tachycardias” on June 1, 2021
- “Did I Do the Right Thing? An ER Doctor on Ethics of the Pandemic” on On Point December 15, 2020
- “Acute Heart Failure” on TheCase.Report January 3, 2021

► **Kathleen Neuzil, MD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH Professor in Vaccinology and Director, Center for Vaccine Development and Global Health, in August was interviewed by and quoted in:

- *CNN* about the latest on the delta variant and the need for boosters
- *Newsweek* re: breakthrough cases among vaccinated individuals
- *The Wall Street Journal* about a new COVID-19 study that needed only a few volunteers
- *The Baltimore Sun* about the FDA’s recommendation for booster shots for immune-compromised individuals
- *Healio* about how a single dose of Vi-tetanus toxoid conjugate vaccine has been shown to provide protection against typhoid fever in children
- *The Wall Street Journal* about human challenge COVID-19 studies



Kirsten Lyke, MD



Amal Mattu, MD



Kathleen Neuzil, MD, MPH, FIDSA

Publications

Hats off to those who have been published!

► **Jason Adler, MD**, Clinical Assistant Professor, Department of Emergency Medicine, was second author of five “After the Match” columns which were published in *Emergency Medicine News*. They included:

- “The Next Threat to EPs’ First Job Out of Residency” in December 2020
- “Boosting Profits Drives NP Diploma Mills” in February 2021
- “NPs Pushing Expansion of Independent Practice” in March 2021
- “Has the Supply of EPs Exceeded Demand?” in April 2021
- “With Emergency Medicine Jobs Scarce, EPs Will Have to Look Farther Afield” in May 2021



Jason Adler, MD

► **Leen Alblaihed, MBBS, MHA**, Assistant Professor, Department of Emergency Medicine, was sole author of:

- “The DIFOCULT Trial: Time to Change from STEMI/NSTEMI to OMI/NOMI?” which was published in *REBEL EM blog* on October 8, 2020
- “Hemophilia: For the Love of Bleeding,” which was published in *REBEL EM blog* on January 21, 2021
- “Challenges with the DIFOCULT Trial,” which was published in *Emergency Physicians Monthly* on February 1, 2021
- the “Cyclical Vomiting” chapter in *Emergency Medicine Reviews and Perspectives’ CorePendium* online textbook, which was updated June 10, 2021

Was second author of “Cardiac Emergencies in Kids,” which was published in *Emergency Medicine Clinics of North America* on June 14, 2021

► **Leen Alblaihed, MBBS, MHA**, Assistant Professor, and **Danya Khoujah, MBBS**, Adjunct Assistant Professor, both from the Department of Emergency Medicine, co-authored the Arabic translation of the “Novel Coronavirus 2019 (COVID-19)” chapter in the *Emergency Medicine Reviews and Perspectives’ CorePendium* online textbook, updated June 11, 2021. Additionally, Dr. Alblaihed and **Semhar Tewelde, MD**, Assistant Professor, Department of Emergency Medicine, co-authored the “Bradydysrhythmias” chapter in *Emergency Medicine Reviews and Perspectives’ CorePendium* online textbook, updated September 14, 2020.



Semhar Tewelde, MD

► **Jennifer Albrecht, PhD**, Associate Professor, Department of Epidemiology & Public Health, co-authored “Engaging Stakeholders to Optimize Sleep Disorders’ Management in the U.S. Military: A Qualitative Analysis,” which was published in the *Military Medicine, AMSUS Journal* on August 23, 2021.

► **Pavlos Anastasiadis, PhD**, Research Associate, Department of Neurosurgery, was among the authors of “A Novel Matrix-Array-Based MR-Conditional Ultrasound System for Local

Hyperthermia of Small Animals,” which was published in the August 2021 issue of *IEEE Transactions on Biomedical Engineering*.

► **Youssef Annous, BS**, Visiting Research Fellow, and **R. Gentry Wilkerson, MD**, Associate Professor, both from the Department of Emergency Medicine, were among the authors of “Resident Corner: Applying to Residency in Emergency Medicine amid the COVID-19 Pandemic; How Will International Medical Graduates Be Affected?” which was published in the Summer 2020 issue of the *Maryland ACEP Chapter Newsletter*.



Jennifer Albrecht, PhD



Pavlos Anastasiadis, PhD

► **Awadhesh Arya, PhD**, and **Lalita Subedi, PhD**, both Postdoctoral Fellows in the Shock, Trauma & Anesthesiology Research Center, and **Bingren Hu, PhD**, Professor, Department of Anesthesiology, were among the co-authors of “Focal Intra-Colon Cooling Reduces Organ Injury and Systemic Inflammation after REBOA Management of Lethal Hemorrhage in Rats,” which was published in *Scientific Reports* on July 1, 2021.



Eileen Barry, PhD

► **Eileen Barry, PhD**, Professor, Department of Medicine, was among the co-authors of “Evaluation of a Live Attenuated *S. Sonnei* Vaccine Strain in the Human Enteroid Model,” which was published in *Pathogens* on August 25, 2021.



Bingren Hu, PhD

► **Robert Bloch, PhD**, Professor, Department of Physiology, authored “Desmin Interacts with STIM1 and Coordinates Ca²⁺ Signaling in Skeletal Muscle,” which was published in *JCI Insight* on September 8, 2021, and “Biomechanical Properties of the Sarcolemma and Costameres of Skeletal Muscle Lacking Desmin,” which was published in *Frontier Physiology* on August 19, 2021.



Robert Bloch, PhD



Mary Bollinger, DO

► **Mary Bollinger, DO**, Professor, Department of Pediatrics, Division of Pediatric Pulmonology and Allergy, was among the co-authors of “Indoor Environmental Factors May Modify the Response to Mouse Allergen Reduction among Mouse-Sensitized and Exposed Children with Persistent Asthma,” which was published in *The Journal of Allergy and Clinical Immunology in Practice* on September 7, 2021.

► **Brian Browne, MD**, Professor, and **Laura Bontempo, MD, MEd**, Associate Professor, both from the Department of Emergency Medicine, co-authored the “Cutaneous Emergencies” chapter in *Preparing for the Written Board Exam in Emergency Medicine*, 10th edition, which was published by the Ohio Chapter of the American College of Emergency Physicians in 2021.



Brian Browne, MD



James Campbell, MD, MS

► **James Campbell, MD, MS**, Professor, Department of Pediatrics; **Marcela Pasetti, PhD**, Professor, Department of Pediatrics; **Wilbur Chen, MD, MS**, Associate Professor, Department of Medicine; **William Blackwelder, PhD**, Adjunct Professor, Department of Epidemiology & Public Health; and **Myron Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor, Associate Dean for Global Health Vaccinology and Infectious Diseases, were among the co-authors of “Linked Vaccination Coverage Surveys Plus Serosurveys among Ethiopian Toddlers Undertaken Three Years Apart to Compare Coverage and Serologic Evidence of Protection in Districts Implementing the RED-QI Approach,” which was published in *Vaccine* on August 7, 2021.

► **Linda Chang, MD, MS**, Professor, and **Christine Cloak, PhD**, Assistant Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Substance Use Patterns in 9–10 Year Olds: Baseline Findings from the Adolescent Brain Cognitive Development (ABCD) Study,” which was published in the July 2021 issue of *Drug and Alcohol Dependence*.



Linda Chang, MD, MS

► **Wan-Tsu Wendy Chang, MD**, Associate Professor, Department of Emergency Medicine, was among the authors of:

- four posters published in *Neurocritical Care* in October 2020:
 - “109: Get Up, Stand Up: Pushing the Limits of Medical Management for ICP”
 - “133: Assessment of Trainees’ Performance during Acute Ischemic Stroke Simulation”
 - “169: Association between Heart Rate Variability and Secondary Brain Injury in Patients with Large Hemispheric Infarct”
 - “228: Poorly Controlled Pain in the ICU Is Associated with Chronic Opioid Use following Subarachnoid Hemorrhage”
- “Development of Neurological Emergency Simulations for Assessment: Content Evidence and Response Process,” which was published in *Neurocritical Care* on January 21, 2021
- “Admission Features Associated with Paroxysmal Sympathetic Hyperactivity after Traumatic Brain Injury: A Case-Control Study,” which was published in *Critical Care Medicine* on April 26, 2021
- “Association of Refractory Pain in the Acute Phase after Subarachnoid Hemorrhage with Continued Outpatient Opioid Use,” which was published in *Neurology* on May 11, 2021

► **Meagan Deming, MD, PhD**, Instructor, and **Kirsten Lyke, MD**, Professor, both from the Department of Medicine, were co-first authors of “A ‘Mix and Match’ Approach to SARS-CoV-2 Vaccination,” which was published in *Nature Medicine* on July 26, 2021.



Zachary Dezman, MD, MS, MS

► **Zachary Dezman, MD, MS, MS**, Assistant Professor, Department of Emergency Medicine, was among the authors of “A Spatio-Temporal Bayesian Model to Estimate Risk and Evaluate Factors Related to Drug-Involved Emergency Department Visits in the Greater Baltimore Metropolitan Area,” which was published in the *Journal of Substance Abuse Treatment* on June 12, 2021.



Kirsten Lyke, MD

► **Jes Downing, MD**, 2021 Residency Graduate; **Reem Alfalasi, MB, ChB**, 2021 Residency Graduate; **Stephanie Cardona, DO**, 2021 Residency Graduate; **Bobbi Lowie, MD**, Resident; **Caleb Chan, MD, MPH**, Critical Care Fellow; and **Quincy Tran, MD, PhD**, Associate Professor, all from the Department of Emergency Medicine, were among the authors of “How Effective Is Extracorporeal Cardiopulmonary Resuscitation (ECPR) for Out-of-Hospital Cardiac Arrest? A Systematic Review and Meta-Analysis,” which was published in the *American Journal of Emergency Medicine* on September 2, 2021. **Deborah Stein, ELS**, Technical Writer/Editor, Department of Emergency Medicine, provided language and technical editing of the manuscript.

► **Amanda Driscoll, PhD, MHS**, Research Associate, Department of Pediatrics, (first-author), and **Justin Ortiz, MD, MS**, Associate Professor, Department of Medicine, were among the co-authors of “Recalibrating Public Health Expectations of Respiratory Syncytial Virus Lower Respiratory Tract Illness Prevention on Chronic Respiratory Illness,” which was published in *Vaccine* on July 26, 2021.



Jason Falvey, PT, DPT, PhD

► **Jason Falvey, PT, DPT, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was co-author of “Association between Neighborhood Disadvantage and Functional Well-Being in Community-Living Older Persons,” which was recently published in *JAMA Internal Medicine*.

► **Adam Fang, MD**, Assistant Professor; **Il Kyo Kim, MD**, Fourth-Year Resident; **Ifechi Ukeh, MD**, Assistant Professor; **Vahid Etezadi, MD**, Assistant Professor; and **Hyun (Kevin) Kim, MD, MHS**, Professor, all from the Department of Diagnostic



Vahid Etezadi, MD

Radiology and Nuclear Medicine, were the authors of “Percutaneous Management of Benign Biliary Strictures,” which was published in the August 2021 issue of *Seminars in Interventional Radiology*.

► **Naillid Felipe, MD, MPH**, Resident; **Sam King, MD**, Clinical Instructor; and **Alexis Salerno, MD**, Assistant Professor, all from the Department of Emergency Medicine, were sole authors of “Diagnosis of Boerhaave’s Syndrome with Aid of Bedside Ultrasound,” which was published in the *Journal of Emergency Medicine* on June 27, 2021.



Meagan Fitzpatrick, PhD

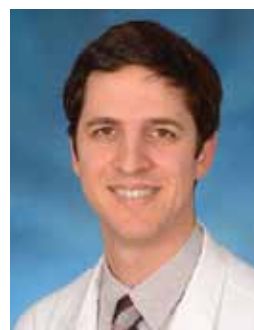
► **Megan Fitzpatrick, PhD**, Assistant Professor, Department of Medicine, was among the co-authors of “Passing the Test: A Model-Based Analysis of Safe School-Reopening Strategies,” which was published in the *Annals of Internal Medicine* on August 17, 2021. Separately, Dr. Fitzpatrick was among the co-authors of “Asymptomatic SARS-CoV-2 Infection: A Systematic Review and Meta-Analysis,” which was published in the *Proceedings of the National Academy of Sciences of the United States of America* on August 24, 2021.

► **Martin Flajnik, PhD**, Professor, and **Yuko Ohta, PhD**, Assistant Professor, both from the Department of Microbiology and Immunology, authored “A Highly Complex, MHC-Linked, 350 Million-Year-Old Shark Nonclassical Class I Lineage,” which was published in *The Journal of Immunology* on July 23, 2021.

► **Emily Flowers**, Graduate Student; **Yuko Ota, PhD**, Assistant Professor; and **Martin Flajnik, PhD**, Professor, both from the Department of Microbiology and Immunology, authored “Identification of the Fc-alpha/mu Receptor in *Xenopus* Provides Insight into the Emergence of the Poly-Ig Receptor (pIgR) and Mucosal Ig Transport,” which was published in the *European Journal of Immunology* on August 19, 2021.



Martin Flajnik, PhD



Daniel Gingold, MD, MPH

► **Daniel Gingold, MD, MPH**, Assistant Professor; **Benoit Stryckman, MA**, Research Associate; and **David Marcozzi, MD, MHS-CL, FACEP**, Professor, all from the Department of Emergency Medicine, were among the authors of “Development of a Logic Model to Guide Implementation and Evaluation of a Mobile Integrated Health Transitional Care Program,” which was published in the April 2021 issue of *Population Health Management*. **Deborah Stein, ELS**, Technical Writer/Editor, Department of

Emergency Medicine, provided language and technical editing of the manuscript.

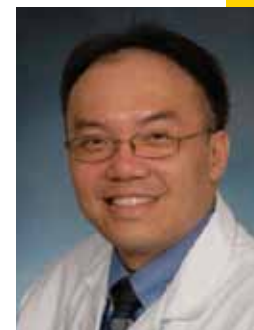
► **Jennifer Guyther, MD**, Assistant Professor, Department of Emergency Medicine, co-authored the chapter “The Hard Truth of Constipation—Do Not Miss the Potentially Serious Causes” in *Avoiding Common Errors in Pediatric Emergency Medicine*, which was published by Wolters Kluwer on August 24, 2020.

► **Daniel Haase, MD**, Assistant Professor, and **Quincy Tran, MD, PhD**, Associate Professor, both from the Department of Emergency Medicine and Program in Trauma, were among the authors of “Predictors of Clinically Relevant Differences between Noninvasive versus Arterial Blood Pressure,” which was published in the May 2021 issue of the *American Journal of Emergency Medicine*.

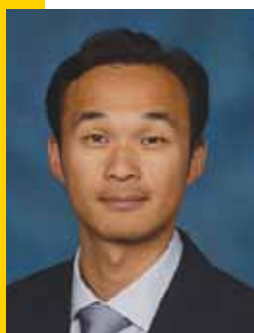


John Hamlyn, PhD

► **John Hamlyn, PhD**, Professor, Department of Physiology, authored “Cucumis Sativus Extract Elicits Chloride Secretion by Stimulation of Intestinal TMEM16A Ion Channel” which was published in *Pharmaceutical Biology*.



Quincy Tran, MD, PhD



Simon Ho, PT, DPT

► **Simon Ho, PT, DPT**, Assistant Professor, and **Victoria Marchese, PT, PhD**, Chair and Assistant Professor, both from the Department of Physical Therapy and Rehabilitation Science, were co-authors of “Examining the Impact of Physical Function Performance in Predicting Patient Outcomes after Lung-Sparing Surgery for Malignant Pleural Mesothelioma,” which was published in *Disability & Rehabilitation*, and “Exploring Relationships Between Inspiratory Muscle Strength and Functional Capacity in Childhood Cancer Survivors: A Pilot Study,” which was published in *Pediatric Hematology and Oncology*.

► **Brandi Hobbs, PhD**, Student working in the laboratory of **Eileen Barry, PhD**, Professor, Department of Medicine, was the first author of “Deletion Mutants of Francisella Phagosomal Transporters FptA and FptF Are Highly Attenuated for Virulence and Are Protective against Lethal Intranasal Francisella LVS Challenge in a Murine Model of Respiratory Tularemia,” which was published in *Pathogens* on June 24, 2021.

► **Maite Huis in 't Veld, MD**, Adjunct Assistant Professor, and **Amal Mattu, MD**, Professor, both from the Department of Emergency Medicine, were among the authors of the “ECG Abnormalities” chapter in *The Atlas of Emergency Medicine*, 5th edition, published by McGraw Hill in 2021.

► **Jon Hurst, MD**, Resident, and **R. Gentry Wilkerson, MD**, Associate Professor, both from the Department of Emergency Medicine, co-authored “Impact of an Infusion Center on the Utilization of Hospital-Based Care by Patients with Sickle Cell Disease,” which was published in *Blood* on November 5, 2020.

► **Jean Jeudy, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Anatomical Characteristics of the Membranous Septum Are Predictive of Pacemaker Requirement in Patients Undergoing Transcatheter Aortic Valve Replacement,” which was published in the *Journal of Interventional Cardiac Electrophysiology* on August 2, 2021.

► **Xiaofeng Jia, BM, PhD**, Professor, Department of Neurosurgery, (corresponding author); **Thomas Mee**, Medical Student, (co-author), and **Xijie Zhou, MD, MS**, Postdoctoral Fellow, also from the Department of Neurosurgery, were the authors of “Augmenting Peripheral Nerve Regeneration with Adipose Derived Stem Cells,” which was published in *Stem Cell Reviews and Reports* on August 20, 2021.

► **Michy Kelly, PhD**, Associate Professor, Department of Anatomy and Neurobiology, was senior author of “Aging Triggers an Upregulation of a Multitude of Cytokines in the Male and Especially the Female Rodent Hippocampus but More Discrete Changes in Other Brain Regions,” which was accepted for publication in the *Journal of Neuroinflammation*.

► **Hong Kim, MD, MPH**, Associate Professor, Department of Emergency Medicine, was among the authors of “Relative Addictive Potential of Opioid Analgesic Agents,” which was published in *Pain Management* on December 10, 2020.

► **Karen Kotloff, MD**, Professor, Department of Pediatrics, was among the co-authors of “Global Burden of Acute Lower Respiratory Infection Associated



Maite Huis in 't Veld, MD



Michy Kelly, PhD



Karen Kotloff, MD

with Human Parainfluenza Virus in Children Younger than 5 Years for 2018: A Systematic Review and Meta-Analysis,” which was published in *Lancet Global Health* on August 9, 2021.



Anayansi Lasso-Pirot, MD

► **Anayansi Lasso-Pirot, MD**, Assistant Professor, and **Natalie Davis, MD, MMSc**, Associate Professor, both from the Department of Pediatrics, were among the authors of “A Hospital-Based Multidimensional Intervention for High-Risk Pediatric Patients with Asthma,” which was published in the August 2021 issue of the *Journal of Asthma*.



Miriam Laufer, MD, MPH

► **Miriam Laufer, MD, MPH**, Professor, (first-author); **Amanda Driscoll, PhD, MHS**, Research Associate; **Andrea Buchwald, PhD**, Research Associate; **James Campbell, MD**, Professor; **Karen Kotloff, MD**, Professor, all from the Department of Pediatrics; **Kathleen Neuzil, PhD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH Professor in Vaccinology and Director, Center for Vaccine Development and Global Health Professor; **Milagritos Tapia, MD**, Professor, Department of Pediatrics; **Justin Ortiz, MD, MS**, Associate Professor, Department of Medicine; and **Meagan Fitzpatrick, PhD**,

Professor, Department of Medicine, were among the co-authors of “Cost-Effectiveness of Infant Respiratory Syncytial Virus Preventive Interventions in Mali: A Modeling Study to Inform Policy and Investment Decisions,” which was published in *Vaccine* on July 26, 2021.

► **Rachel Laufer, MPH**, Research Specialist; **Andrea Buchwald, PhD**, Research Associate, Department of Pediatrics; **James Campbell, MD, MS**, Professor, Department of Pediatrics; **Kathleen Neuzil, MD, MPH**, the Myron M. Levine, MD, DTPH Professor in Vaccinology and Director, Center for Vaccine Development and Global Health Professor; **Samba Sow, MD, MSc**, Adjunct Professor, Department of Medicine; **Milagritos Tapia, MD**, Professor, Department of Pediatrics; **Justin Ortiz, MD, MS**, Associate Professor, Department of Medicine; and **Megan Fitzpatrick, PhD**, Assistant Professor, Department of Medicine, were among the co-authors of “Cost-Effectiveness of Infant Respiratory Syncytial Virus Preventive Interventions in Mali: A Modeling Study to Inform Policy and Investment Decisions,” which was published in *Vaccine* on August 16, 2021.

► **Yuanyuan Liang, PhD, MSc**, Professor, and **David Marcozzi, MD, MHS-CL, FACEP**, co-authored “The Effect of a Mobile Integrated Health Program on Health Care Cost and Utilization,” which was published in the August 2021 issue of *Health Services Research Journal*.



Joseph Martinez, MD

► **Joseph Martinez, MD**, Associate Professor, Department of Emergency Medicine, was among the authors of “Beginning a New Medical School Curriculum amidst a Global Pandemic,” which was published in *FASEB (Federation of American Societies for Experimental Biology) BioAdvances* on December 22, 2020.

► **Amal Mattu, MD**, Professor, Department of Emergency Medicine, was the sole author of:

- the foreword for *Mastering EKG Rhythm Interpretation: A Systematic Approach to Cardiac Dysrhythmias*, which was published by Adam Thompson Press in 2020
- “Foreword: Emergency Department Operations and



James Campbell, MD, MS



David Marcozzi, MD, MHS-CL, FACEP



Amal Mattu, MD

Administration,” which was published in *Emergency Medicine Clinics of North America* on June 4, 2020

- “Foreword: Emergencies in the Geriatric Patient,” which was published in *Emergency Medicine Clinics of North America* on March 11, 2021

Among the authors of:

- “11: Severe Escalation of Out-of-Hospital Cardiac Arrests in SARS-CoV-2 Immersed Metropolitan Cities,” which was published in the January 2021 issue of *Critical Care Medicine* and was a winner of the Society of Critical Care Medicine’s Star Research Achievement Award
- “Most Clinicians Are Still Not Comfortable Sending Chest Pain Patients Home with a Very Low Risk of 30-day Major Adverse Cardiac Event (MACE),” which was published in the *Journal of Urgent Care Medicine* on February 15, 2021

► **Dirk Mayer, Dr rer nat**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Hyperpolarized NMR Study of the Impact of Pyruvate Dehydrogenase Kinase Inhibition on the Pyruvate Dehydrogenase and TCA Flux in Type 2 Diabetic Rat Muscle,” which was epublished in *Pflugers Archiv: European Journal of Physiology* on August 20, 2021.



Andrea Meredith, PhD

► **Andrea Meredith, PhD**, and **Megan Rizzo, PhD**, Professors, and **Amber Plante and Vishnu Rao**, Graduate Students, all from the Department of Physiology, published “Comparative Ca²⁺ Channel Contributions to Intracellular Ca²⁺ Levels in the Circadian Clock,” which was published in the inaugural issue of *Biophysical Reports* on September 8, 2021. Separately, Dr. Meredith; **Beth McNally**, Research Associate; and **Amber Plante**, were authors of “Contributions of Ca_v1.3 Channels to Ca²⁺ Current and Ca²⁺-Activated BK Current in the Suprachiasmatic Nucleus,” which was published in *Frontiers in Physiology* on September 10, 2021.

► **Mak Moayed, MD**, Associate Professor, Department of Emergency Medicine, was sole author of “Anterior Approach Cervical Fusion Wound Hematoma,” which was published in the April 2021 issue of *Visual Journal of Emergency Medicine*.

Among the authors of:

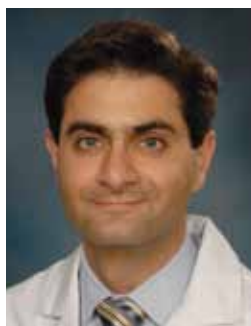
- “Prevalence of Posttraumatic Stress Disorder among Firefighters in Iran: A Systematic Review and Meta-Analysis,” which was published in the *Iranian Journal of Psychiatry* on September 29, 2020
- “Adherence to Professional Code of Ethics from Emergency Medical Technicians and Their Patient’s Perspective: A Cross-Sectional Study,” which was published in *Trauma Monthly* on September 30, 2020
- “Case Report: Delayed Presentation of Bowel Obstruction Caused in Blunt Abdominal Trauma,” which was published in *Clinical Practice and Cases in Emergency Medicine* on October 20, 2020
- “COVID-19 Pandemic and the Ethical Challenges in Patient Care,” which was published in the *Journal of Medical Ethics and History of Medicine* on December 22, 2020

► **Mak Moayed, MD**, Associate Professor, and **Mercedes Torres, MD**, Clinical Assistant Professor, both from the Department of Emergency Medicine, were sole authors of:

- “Left Superior Vena Cava,” “Ruptured Renal Calyx,” and “Testicular Torsion,” all published in the October 2020 issue of the *Visual Journal of Emergency Medicine*
- “Penile Fracture Leading to Peyronie’s Disease,” which was published in the January 2021 issue of the *Visual Journal of Emergency Medicine*

Among the authors of:

- “The Prevalence of Anxiety and Depression among Healthcare Workers during the COVID-19 Pandemic: An Umbrella Review of



Mak Moayed, MD

Meta-Analyses,” which was published in the April 2021 issue of *Progress in Neuro-Psychopharmacology & Biological Psychiatry*

- “The Effect of Mandala Colouring on Anxiety in Hospitalized COVID-19 Patients: A Randomized Controlled Clinical Trial,” published in the *International Journal of Mental Health Nursing* on June 18, 2021
- “The Effect of Family Presence during Resuscitation and Invasive Procedures on Patients and Families: An Umbrella Review,” which was published in the *Journal of Emergency Nursing* on June 21, 2021



Kathleen Neuzil, MD, MPH, FIDSA

► **Kathleen Neuzil, PhD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH Professor in Vaccinology and Director, Center for Vaccine Development and Global Health Professor, was among the co-authors of “Prospects of Future Typhoid and Paratyphoid Vaccines in Endemic Countries,” which was published in the *Journal of Infectious Diseases* on August 10, 2021. She also was among the co-authors of “Durability of mRNA-1273 Vaccine-Induced Antibodies against SARS-CoV-2 Variants,” which was published in *Science* on August 12, 2021, and “Protection by Vaccination of

Children against Typhoid Fever with a Vi-Tetanus Toxoid Conjugate Vaccine in Urban Bangladesh: A Cluster-Randomised Trial,” which was published in the *Lancet* on August 21, 2021.

► **Yuko Ota, PhD**, Assistant Professor, and **Martin Flajnik, PhD**, Professor, Department of Microbiology and Immunology, authored “Analysis of Shark NCR3 Family Genes Reveals Primordial Features of Vertebrate Nkp30,” which was published in the August 2021 issue of *Immunogenetics*.

► **Alexis Salerno, MD**, Assistant Professor, Department of Emergency Medicine, was sole author of:

- “System-Wide Clinical Ultrasound Committees,” which was published in the Fall 2020 issue of *The POCUS Report*
- “Remote Tele-Mentored Ultrasound: The Next Ultrasound Frontier,” which was published in the March/April 2021 issue of *Common Sense*

Co-author of:

- “Ultrasound Education in the COVID-19 Era,” which was published in the July/August 2020 issue of *Common Sense*
- “The Strain of Pregnancy on the Aortic Root,” which was published in the January 2021 issue of the *Visual Journal of Emergency Medicine*



Martin Flajnik, PhD



Alexis Salerno, MD

► **Alexis Salerno, MD**, Assistant Professor; **Kevin Flanagan, DO**, Assistant Professor; **Brian Euerle, MD**, Associate Professor; and **Michael Witting, MD**, Professor, all from the Department of Emergency Medicine, were sole authors of “128: Quantitative Analysis of Emergency Physician Performed Biparietal Diameter Estimate for Gestational Age,” which was published in the May 2021 issue of *Academic Emergency Medicine*. Additionally, Dr. Salerno; **Diane Kuhn, MD, PhD**, Assistant Instructor; **Rayan El**

Sibai, MD, Visiting Postdoctoral Fellow; and **Michael McCurdy, MD**, Clinical Associate Professor, all from the Department of Emergency Medicine, were among the authors of “Real-Time Remote Tele-Mentored Echocardiography: A Systematic Review,” which was published in *Medicina* on December 2, 2020. **Deborah Stein, ELS**, Technical Writer/Editor, Department of Emergency Medicine, provided language and technical editing of the manuscript. Drs. Salerno and McCurdy were also among the authors of “Point-of-Care Teleultrasound: A Systematic Review,” which was published in *Telemedicine Journal and E-Health* on November 1, 2020.



Bradford Schwartz, MD

► **Bradford Schwartz, MD**, Adjunct Assistant Professor, Department of Emergency Medicine, was first author of “Intravenous Haloperidol for the Treatment of Intractable Vomiting, Cyclical Vomiting, and Gastroparesis,” which was published in *World Journal of Emergency Medicine* on June 1, 2021, and second author of “Phlegmasia Cerulea Dolens: An Atypical COVID-19 Presentation,” which was published in *Chest* on October 1, 2020.

► **Roger Stone, MD, MS, FACEP, FAAEM**, Clinical Assistant Professor, Department of Emergency Medicine, was first author of “Ability of an Emergency Medical Dispatch Pandemic Protocol to Predict Low Acuity Patients Safe for Non-Transport after EMS Assessment,” as well as second author of “Evaluation of Computer Algorithmic Indicators in Predicting COVID-19 Positive Patients in the Prehospital Setting,” and “Predictive Value of EMD Protocol 36 for Association with a Positive COVID Test,” all published in *Prehospital Emergency Care* on November 17, 2020.



Roger Stone, MD, MS, FACEP, FAAEM

► **Benoit Stryckman, MA**, Research Associate; **Diane Kuhn, MD, PhD**, Assistant Instructor; **Daniel Gingold, MD, MPH**, Assistant Professor; **Kyle Fischer, MD, MPH**, Clinical Assistant Professor; **J. David Gatz, MD**, Assistant Professor; **Stephen Schenkel, MD, MPP**, Associate Professor; and **Brian Browne, MD**, Professor, all from the Department of Emergency Medicine, were authors of “Balancing Efficiency and Access: Discouraging Emergency Department Boarding in a Global Budget System,” which was published in the *Western Journal of Emergency Medicine* on September 2, 2021. **Deborah Stein, ELS**, Technical Writer/Editor, Department of Emergency Medicine, provided language and technical editing of the manuscript.



Diane Kuhn, MD, PhD



Sharon Tennant, PhD

► **Sharon Tennant, PhD**, Associate Professor, Department of Medicine, and **Karen Kotloff, MD**, Professor, Department of Pediatrics, were among the co-authors of “The Clinical Presentation of Culture-Positive and Culture-Negative, Quantitative Polymerase Chain Reaction (qPCR)-Attributable *Shigellosis* in the Global Enteric Multicenter Study and Derivation of a *Shigella* Severity Score: Implications for Pediatric *Shigella* Vaccine Trials,” which was published in the *Journal of Clinical Infectious Diseases* on August 2, 2021.

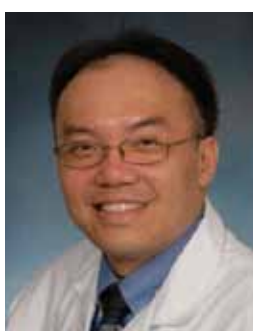
► **Stephen Thom, MD, PhD**, Professor, Department of Emergency Medicine, was among the authors of “Plasma Gelsolin Modulates the Production and Fate of IL-1 β -Containing Microparticles following High-Pressure Exposure and Decompression,” which was published in the *Journal of Applied Physiology* on May 1, 2021.



Stephen Thom, MD, PhD

► **Quincy Tran, MD, PhD**, Associate Professor, Department of Emergency Medicine, was the first author of:

- “Efficacy of Ultrasound-Guided Peripheral Intravenous Cannulation versus Standard of Care: A Systematic Review and Meta-Analysis,” which was published in the August 2021 issue of *Ultrasound in Medicine & Biology*
- “Phenytoin Prophylaxis and Functional Outcomes following Spontaneous



Quincy Tran, MD, PhD

Intracerebral Hemorrhage: A Systematic Review and Meta-Analysis,” which was published in the *Journal of the Neurological Sciences* on August 24, 2021

Among the authors of:

- “Severe Bacteremia Is Not Associated with Increased Risk for Adverse Events in General Pediatric Emergency Department Patients,” which was published in *Cureus* on February 12, 2021
- “Prevalence of Myocardial Infarction among Patients with Chest Pain and Cocaine Use: A Systematic Review and Meta-Analysis,” which was published in the *American Journal of Emergency Medicine* on August 19, 2021. **Deborah Stein, ELS**, Technical Writer/Editor, Department of Emergency Medicine, provided language and technical editing of the manuscript



Piotr Walczak, MD, PhD

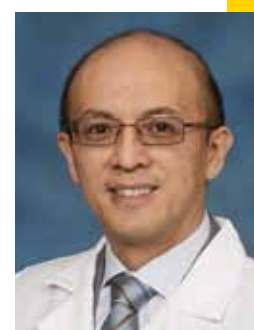
► **Piotr Walczak, MD, PhD**, Professor, and **Mirosław Janowski, MD, PhD**, Associate Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Two in One: Use of Divalent Manganese Ions as Both Cross-Linking and MRI Contrast Agent for Intrathecal Injection of Hydrogel-Embedded Stem Cells,” which was published in the July 2021 issue of *Pharmaceutics*. Separately, Dr. Janowski was among the co-authors of “Hypoxia Preconditioned Bone Marrow-derived Mesenchymal Stromal/Stem Cells Enhance Myoblast Fusion and Skeletal Muscle Regeneration,” which was published in the August 2021 issue of *Stem Cell Research and Therapy*.

► **Ze Wang, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “N-Acetyl Cysteine Administration Affects Cerebral Blood Flow as Measured by Arterial Spin Labeling MRI in Patients with Multiple Sclerosis,” which was published in the July 2021 issue of *Heliyon*.



Charles White, MD

► **Charles White, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the last author of “High Rate of False Negative Diagnosis of Silent Patent Ductus Arteriosus on the Chest CT with 3 mm Slice-Thickness, Suggesting the Need for Analysis with Thinner Slice Thickness,” which was published in the July 2021 issue of *Tomography*.



Ze Wang, PhD

► **R. Gentry Wilkerson, MD**, Associate Professor, Department of Emergency Medicine, was among the authors of “The Rapid Evaluation of COVID-19 Vaccination in Emergency Departments for Underserved Patients Study,” which was published in *Annals of Emergency Medicine* on May 31, 2021, and “40 Facemasks: Perceptions and Use in an Emergency Department Population during COVID-19” and “54 The Rapid Evaluation of COVID-19 Vaccination in Emergency Departments for Underserved Patients Study,” both published in *Annals of Emergency Medicine* on August 4, 2021. Separately, Dr. Wilkerson, and **Maite A. Huis in 't Veld, MD**, Adjunct Assistant Professor, also from the Department of Emergency Medicine, were among the authors of “Diagnostic Performance of High-Sensitivity Cardiac



R. Gentry Wilkerson, MD

Troponin T Strategies and Clinical Variables in a Multisite US Cohort,” which was published in *Circulation* on April 27, 2021.

► **Rachel Wiltjer, DO**, Resident, and **Jennifer Guyther, MD**, Assistant Professor, both from the Department of Emergency Medicine, co-authored the chapter “Just a Taste: Be Aware of Bad Tasting Medicines That Kids May Refuse to Take” in *Avoiding*



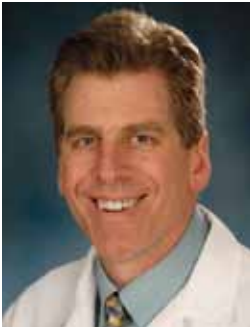
Rachel Wiltjer, DO

Common Errors in Pediatric Emergency Medicine, which was published by Wolters Kluwer on August 24, 2020.

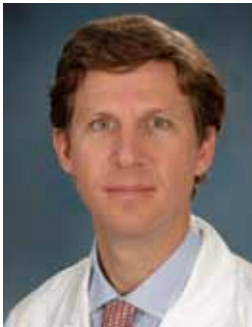


Mike Winters, MD

- ▶ **Mike Winters, MD**, Professor, Department of Emergency Medicine, was among the discussants in “The BaSICS Trial—Implications for Fluid Resuscitation” episode of the *Critical Care Perspectives in Emergency Medicine* podcast, published August 29, 2021.
- ▶ **Michael Witting, MD**, Professor; **Daniel Lemkin, MD**, Assistant Professor; and **Zachary Dezman, MD, MS, MS**, Assistant Professor, all from the Department of Emergency Medicine, were among the authors of “Emergency Department Asthma ‘Spacing Trials’: Institutional Variability and Time Cost,” which was published in the April 2021 issue of the *Journal of Emergency Medicine*.
- ▶ **Graeme Woodworth, MD**, Professor and Chair, (corresponding author); **Pavlos Anastasiadis, PhD**, Research Associate; and **Abdul-Kareem Ahmed, MD**, Resident, all from the Department of



Michael Witting, MD



Graeme Woodworth, MD



Michael Zarro, PT, DPT

- Neurosurgery, were authors of “Localized Blood-brain Barrier Opening in Infiltrating Gliomas with MRI-Guided Acoustic Emissions Controlled Focused Ultrasound,” which was published in *PNAS* on September 14, 2021.
- ▶ **Zhekang Ying, PhD**, Assistant Professor, Department of Medicine, was among the co-authors of “PM2.5 Exposure of Mice during Spermatogenesis: A Role of Inhibitor κ B Kinase 2 in Pro-Opiomelanocortin Neurons,” which was accepted in *Environmental Health Perspectives (EHP)* in August 2021.
 - ▶ **Michael Zarro, PT, DPT**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was a co-author of “Rehabilitation Principles to Consider for Anterior Cruciate Ligament Repair,” which was recently published in the journal *Sports Health*.



Zhekang Ying, PhD

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.

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Research Communications Network

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

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- **Anatomy & Neurobiology:** Leslie Fitzpatrick | lfitzpatrick@som.umaryland.edu
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- **Center for Stem Cell Biology:** Evets Morgan | emorgan@som.umaryland.edu
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