Grants & Contracts

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

- 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 Awaad, 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.”

- Jonathan 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-1α) 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, 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.”

- 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-Declining 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 Magazine, PhD, MSHyg, Professor and Chair, Department of Epidemiology & Public Health; Leslie Katz, 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).”

- 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 ROI 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/UNCP MPowering the State award for his work entitled “Big Ten.”

- 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 $11,935. 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.

- 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 “The Influence of Peroxisome Proliferator-Activated Receptor Gamma Coactivator–1 Alpha (PGC-1α) on the Nucleus Accumbens during Cocaine-Self-Administration.” Joseph Cheer, PhD, Professor, Department of Anatomy and Neurobiology, was a co-sponsor.

- Michael Terrin, MDCM, MPH, Professor, Department of Epidemiology & Public Health, received a six-month, $199,058 UMB/UNCP MPowering the State award for his work entitled “Big Ten.”
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 Schenkkel, MD, MPP, Associate Professor; and Mercedes Torres, MD, Clinical Assistant Professor, as well as a Cadaver Lab Procedures Workshop directed by Mak Moayedi, MD, Associate Professor, and taught by Michael Billet, MD, Assistant Professor.

Benjamin Lawner, DO, MS, EMT-P, Associate Professor, Department of Emergency Medicine, 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.

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 Marozzi, 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.

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.

Benjamin Lawner, DO, MS, EMT-P, Associate Professor, Department of Emergency Medicine, presented “Focus on POCUS: IVC Pitfalls in Fluid Resuscitation” at the American College of Emergency Physicians’ Annual Congress, which was held in Las Vegas, NV, on September 24, 2021.

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 Schenkkel, MD, MPP, Associate Professor; and Mercedes Torres, MD, Clinical Assistant Professor, as well as a Cadaver Lab Procedures Workshop directed by Mak Moayedi, MD, Associate Professor, and taught by Michael Billet, MD, Assistant Professor.
Presentations, Events, Lectures & Workshops

- 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”

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.”
- Linda Horn, PT, DScPT, MHS, Assistant Professor, Department of Physical Therapy and Rehabilitation Science (PTRS), has been selected as a GLOBALtimore 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.

New Faculty

We welcome our new faculty!

- 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, 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, 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 election 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.
In the News

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

> Leen Albaished, 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, 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”
  - WMAR2 Baltimore News regarding “Will the COVID-19 Vaccine Become An Annual Shot?”
  - Fox5 re: COVID vaccine booster shots.
  - 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.”

> 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
    - “Acute 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 The Case 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
Jennifer Albrecht, PhD, 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

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

• “The DIFOCCULT 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 DIFOCCULT 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 Khounjah, 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 “Bradysyndromias” chapter in Emergency Medicine Reviews and Perspectives’ CorePendium online textbook, updated September 14, 2020.

Jennifer Albrecht, PhD, Associate Professor, Department of Epidemiology & Public Health, co-authored “Engaging Stakeholders to Optimize Sleep Disoders’ 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.

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, 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.

Robert Bloch, PhD, Professor, Department of Physiology, authored “Desmin Interacts with STIM1 and Coordinates Ca2+ Signaling in Skeletal Muscle,” which was published in Cell 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.

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.

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.
Zachary Dezman, MD, •  “Association of Refractory Pain in the Acute Phase after SARS-CoV-2 Vaccination,” which was published in Critical Care Medicine on April 26, 2021.

“Association of Refractory Pain in the Acute Phase after 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, Fellow; and Bobbi Lowie, MD (ECPR) for Out-of-Hospital Cardiac Arrest? A Systematic Review

“How Effective Is Extracorporeal Cardiopulmonary Resuscitation”

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 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.

Daniel Gingold, MD, MPH, Assistant Professor; Benoît Stuckyman, 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.

Jennifer Gyutherford, 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, Professor, Department of Physiology, authored “Cucumis Sativus Extract Elicits Chloride Secretion by Stimulation of Intestinal TMEM16A Ion Channel” which was published in Pharmaceutical Biology.
Hong Kim, MD, MPH


Barry, PhD

Eileen and Reports Peripheral Nerve Regeneration with Adipose Derived Neurosurgery, (corresponding author); J Xiaofeng Jia, BM, PhD

Analgesic Agents," which was published in Addictive Potential of Opioid Pain Management on December 10, 2020.

Karen Kotloff, MD

Pacemaker Requirement in Patients Undergoing Transcatheter Aortic Valve Replacement," which was epublished in the Journal of Interventional Cardiac Electrophysiology on August 2, 2021.

Michey Kelly, PhD

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.

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 Matta, 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.

Michey Kelly, PhD, Associate Professor, Department of Anatomy and Neurobiology, was among the co-authors of “Relative Additive 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 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, 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, 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 Neuzeil, 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 Megan 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 Neuzeil, 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 Pediatrics; 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 Marczoni, MD, MHS-CI, 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, 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
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 Mann, Dr rer nat, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of**


**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 CaV1.3 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 Moayedi, MD, Associate Professor, Department of Emergency Medicine, was sole author of**


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

- “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 Meta-Analyses,” which was published in the April 2021 issue of *Progress in Neuro-Psychoarmacology & 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, 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*

**Alexis Salerno, MD, Assistant Professor; Kevin Flanagan, DO, Assistant Professor; Brian Euerle, MD, Associate Professor; and Michael Wittig, MD, Professor, all from the Department of Emergency Medicine, were sole authors of**

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

**Kathleen Neuzil, MD, MPH, FIDSA**

**Martin Flajnik, PhD**

**Alexis Salerno, MD**

**Deborah Stein, PhD, MPH, FIDSA**

**Brian Euerle, MD, Associate Professor; and Michael Wittig, MD, 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.

**Rayan El Sibai, MD, Visiting Postdoctoral Fellow; and Michael McCurdy, MD, Clinical Associate Professor, both from the Department of Emergency Medicine, were among the authors of**

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

**Alexis Salerno, Diane Kuhn, MD, PhD, Assistant Instructor; Rayan El Sibai, MD, Visiting Postdoctoral Fellow; and Michael McCurdy, MD, Clinical Associate Professor, both from the Department of Emergency Medicine, were among the authors of**

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

**Kathleen Neuzil, MD, MPH, FIDSA**

**Martin Flajnik, PhD**

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**Deborah Stein, PhD, MPH, FIDSA**

**Brian Euerle, MD, Associate Professor; and Michael Wittig, MD, 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.

**Rayan El Sibai, MD, Visiting Postdoctoral Fellow; and Michael McCurdy, MD, Clinical Associate Professor, both from the Department of Emergency Medicine, were among the authors of**

- “System-Wide Clinical Ultrasound Committees,” which was published in *The POCUS Report*
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**Alexis Salerno, Diane Kuhn, MD, PhD, Assistant Instructor; Rayan El Sibai, MD, Visiting Postdoctoral Fellow; and Michael McCurdy, MD, Clinical Associate Professor, both from the Department of Emergency Medicine, were among the authors of**

- “System-Wide Clinical Ultrasound Committees,” which was published in *The POCUS Report*
- “Remote Tele-Mentored Ultrasound: The Next Ultrasound Frontier,” which was published in the March/April 2021 issue of *Common Sense*
Bradford Schwartz, MD, Adjunct Assistant Professor, Department of Emergency Medicine, was first author of “Intravenous Haloperidol for the Treatment of Intractable Vomiting, Cyclic Vomiting, and Gastroparesis,” which was published in World Journal of Emergency Medicine on June 1, 2021, and second author of “Phelegmasia 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 “Efficacy of Ultrasound-Guided Peripheral Intravenous Cannulation versus Standard of Care: A Systematic Review and Meta-Analysis,” which was published in Journal of Intracranial 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 Pancreatitis 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, 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, 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.

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 Emergency Department Population during COVID-19” and “54 The Rapid Evaluation of COVID-19 Vaccination Emergency Department Population during COVID-19.” Separately, Dr. Wilkerson, and Matthew 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 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...
Neurosurgeons, were authors of “Localized Blood-brain Barrier Opening in Infiltrating Gliomas with MRI-Guided Acoustic Emissions Controlled Focused Ultrasound,” which was published in *PNA* on September 14, 2021.

Michael Witting, MD, Professor, Department of Medicine, was among the co-authors of “PM2.5 Exposure of Mice during Spermato genesis: A Role of Inhibitor eB 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.*