



SELF-REPORTED NEWS from the SCHOOL OF MEDICINE COMMUNITY

Honors & Awards

Congratulations to the following who have received honors!



Michael Bond, MD, FACEP, FAAEM

► **Michael Bond, MD, FACEP, FAAEM**, Professor, Department of Emergency Medicine, was selected July 1, 2021, as a recipient of the 2021 American College of Emergency Physicians (ACEP) National Emergency Medicine Faculty Teaching Award, given to an outstanding educator who demonstrates superior clinical teaching and a commitment to excellence. Dr. Bond is the 11th faculty member of the Department of Emergency Medicine to receive an ACEP teaching award.

► **Erik Gunnarsson**, Second-Year Medical Student, was awarded the Summer Student Fellowship from Fight for Sight for his project titled "Assessing Retinal Capillary Density and Other Retinal Vascular Biomarkers in Schizophrenia Spectrum Disorders (SSD)." Erik is mentored by **Osamah Saeedi, MD**, Associate Professor, Department of Ophthalmology and Visual Sciences, and **Elliot Hong, MD**, Professor, Department of Psychiatry.

► **Anuj Gupta, MD, FACC, FSCAI**, Associate Professor, and **Diljon Chahal, MD**, Assistant Professor, both from the Department of Medicine, are two of the medical leaders of TAVR (Transcatheter Aortic Valve Replacement) program that received Certification from the American College of Cardiology. There are approximately 50 programs in the country that have obtained this certification and we are the first program in the State of Maryland to claim such an honor. The entire team worked diligently over the past year to complete all required steps.



Diljon Chahal, MD

► **Shannon Takala Harrison, PhD**, Assistant Professor, Department of Medicine, has been chosen as a member of the Clinical Research and Field Studies of Infectious Diseases Study Section for the Center for Scientific Review.



Shannon Takala Harrison, PhD

► **Charles Hong, MD**, the Melvin Sharoky, MD Professor in Medicine, received the Maryland Innovation Initiative award from the State of Maryland Technology Development Corporation on a project entitled "Small Molecule Therapeutics for ARDS." He also is the inaugural Chief Editor of *Frontiers in Drug Discovery, Cardiovascular and Hematologic Section*, launched July 29, 2021.



Charles Hong, MD, PhD

► **Sara Keefer, PhD**, Postdoctoral Fellow, in the laboratory of **Donna Calu, PhD**, Assistant Professor, both from the Department of Anatomy and Neurobiology, was the recipient of the 2021 Michael

Shiplee Postdoctoral Award. The award recognizes Dr. Keefer's critical thinking and passion for continued learning in neuroscience as well as her outstanding research and accomplishments. This award memorializes Dr. Michael Shiplee, former chair of the Department of Anatomy and Neurobiology, and founder of the Program in Neuroscience at UMB. The award, which includes an engraved award and \$1,000 honorarium, is given by the University of Maryland School of Medicine's Office of Postdoctoral Scholars and was presented at the annual Program in Neuroscience retreat on August 27, 2021.

► **Calvin Lee, MD**, Cardiovascular Disease Fellow, Department of Medicine, was nominated for the University of Maryland Adult ED Best Consultant Award for the 2020-2021 year.

► **Jacques Ravel, PhD**, Professor, Department Microbiology and Immunology, Associate Director, Genomics, Institute for Genome Sciences, has been awarded this year's Dr. Patricia Sokolove Outstanding Mentor Award by the Graduate Student Association. This award is meant to honor those who put forth great effort in aiding and mentoring graduate students.



Jacques Ravel, PhD



Marc Simard, MD, PhD

► **Marc Simard, MD, PhD**, Professor, Department of Neurosurgery, was awarded the Ralph Dacey Jr. Medal for Outstanding Research by the AANS/CNS Cerebrovascular Section, for his research on "Upregulation Sur1-trpm4 Channel in Stroke and Ways to Limit Cerebral Edema."

► **Marco Venniro, PhD**, Assistant Professor, Department of Anatomy and Neurobiology, was selected as a Travel Awardee for the 2021 American College of Neuropsychopharmacology (ACNP) Annual Meeting. He was selected by the ACNP Education and Training Committee to receive this award for the ACNP's 60th annual meeting which will be held in San Juan, Puerto Rico, December 5-8, 2021.



Marco Venniro, PhD

► The **Program in Trauma** is proud to announce that for the fifth year out of six, two of their surgical critical care fellows were recognized in the 2021 SCCPDS "Excellence in Research" Award competition. The winner of the competition was **Kristin Sonderman, MD**, for "Blunt Cerebrovascular Injury: Timing of Stroke Post Injury and Changes in Grade, an EAST Prospective, Multi-institutional Trial." Honorable Mention went to **Jessie Shriki, MD**, for "Patients Maintained on Heparin for Anticoagulation for Venovenous Extra-Corporeal Membrane Oxygenation in Covid-19 Related Acute Respiratory Distress Syndrome (ARDS) Spends Little Time at Specific Activated Partial Thromboplastin Times."

Presentations, Events, Lectures & Workshops

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

► **Department of Otorhinolaryngology-Head and Neck Surgery** hosted a virtual Duane A. Sewell Annual Lectureship on Humanism and Professionalism on July 22, 2021. Judith Edersheim, JD, MD, Founding Co-Director, MGH Center for Law, Brain and Behavior, and Assistant Professor in Psychiatry, Harvard Medical School, was the guest speaker and presented a seminar entitled “Neuroscience for Justice: Notes from the Field.”



Jason Falvey, PT, DPT, PhD

► **Jason Falvey, PT, DPT, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, recently participated in a virtual, four-day meeting as a member of the Federation of State Boards of Physical Therapy (FSBPT) Examination Development Committee. This committee oversees the item construction and exam review process in order to maintain the

validity and reliability of the physical therapist National Physical Therapy Examination.



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

► **Roy Film, PT, MPT, DPT, OCS, FAAOMPT**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, participated in two days of virtual meetings as part of the World Health Organization’s Peer Review Group for Low Back Pain. This work group consists of 43 experts in low back pain, representing 25 nations and six continents. They reviewed low back pain assessment and treatment recommendations to develop guidance on cost-effective, evidence-based interventions to national ministries of health for low- and middle-income countries.

In the News

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

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

- “Coronavirus Pandemic: Millions of Americans Traveling over Holiday Weekend Despite Delta Variant Concerns,” published by *MSNBC Reports* on July 3, 2021
- “Delta Variant Accounts for 93% of U.S. COVID Cases,” published by *CBS News* on August 4, 2021
- “Delta Variant: ‘This Is a Wake-Up Call for Everyone in the Country,’ Emergency Physician Says,” published by *Yahoo Finance* on August 5, 2021



Elizabeth Clayborne, MD, MA

► **Jon Mark Hirshon, MD, MPH, PhD**, Professor, Department of Emergency Medicine, was featured on the American College of Emergency Physicians Frontline podcast episode, “And Now It’s Time for a (Vaccine) Breakdown—EM [Emergency Medicine] and Public Health Collide,” published in April 2021.



Jon Mark Hirshon, MD, MPH, PhD

► “The Application of a Hospital Medical Surge Preparedness Index to Assess National Pandemic and Other Mass Casualty Readiness,” an article whose authors include

David Marcozzi, MD, MHS-CL, FACEP, Professor; **Ricardo Pietrobon, MD, PhD, MBA**, Adjunct Associate Professor; **Nicole Baehr, MHA, PMP**, former Population Health Project Supervisor; and **Brian Browne,**



David Marcozzi, MD, MHS-CL, FACEP

MD, Professor and Chair, all from the Department of Emergency Medicine, was featured on:

- “University of Maryland School of Medicine, Medical Center Joint Study Says U.S. Not Ready for Next Pandemic,” published by *WJZ 13* on July 8, 2021
- “Preparing for the Next Pandemic,” published by *Fox 45 News* on July 23, 2021

► **Joseph Martinez, MD**, Associate Professor, Department of Emergency Medicine, was featured in the:

- “Unexpected Killers in Primary Care” segment of the Primary Care RAP [Reviews and Perspectives] podcast’s “Hidden Killers” episode in March 2021
- “CorePendum Spotlight: Acute Mesenteric Ischemia” segment of the EM:RAP [Emergency Medicine Reviews and Perspectives] podcast’s May 2021 episode



Joseph Martinez, MD

► **Neeraja Murali, DO**, Assistant Professor, Department of Emergency Medicine, was featured on the EMCast podcast segments:

- “Coffee and Caffeine” in February 2021
- “STI [Sexually Transmitted Infection] Treatment Update” in April 2021

► **Lauren Rosenblatt, MD**, Instructor, Department of Emergency Medicine, was featured on the EMCast podcast’s March 2021 episode, which covered various updates from the American Heart Association.

► **Thomas Scalea, MD**, Professor of Surgery, Director, Program in Trauma, was one of nine local healthcare leaders profiled in the *Baltimore Business Journal*’s “Who’s Who in Healthcare” in July 2021.

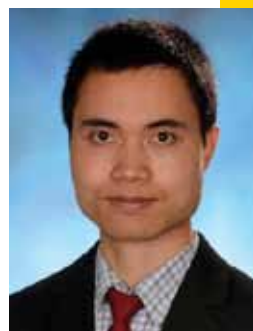


Thomas Scalea, MD

Patents

We applaud the innovators among us!

► **Peter Hu, PhD**, Associate Professor; **Shiming Yang, PhD**, Assistant Professor; **Colin Mackenzie, MB, ChB, MD**, Professor Emeritus from the Department of Anesthesiology; and **Hegang Chen, PhD**, Professor, all from the Department of Epidemiology & Public Health, received approval for a US patent on June 15, 2021 for “Method and Apparatus for Predicting a Use for a Blood Transfusion.” This method is provided for predicting that a caregiver will order a blood transfusion during a treatment. The method uses joint time and frequency domain analysis on continuous photoplethysmographic (PPG) waveform or a continuous electrocardiogram (ECG) waveform or both collected in early admission time to predict urgent or massive transfusion for trauma patients. An apparatus is also provided for predicting that the caregiver will order the blood transfusion during the treatment.



Shiming Yang, PhD

Grants & Contracts

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



Zubair Ahmed, PhD

► **Zubair Ahmed, PhD**, Professor, and **Saima Riazuddin, PhD**, Professor, both from the Department of Otorhinolaryngology–Head & Neck Surgery, received a five-year, \$2,432,728 R01 grant from the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)/National Institutes of Health (NIH) for “Molecular Determinants of Pigmentation (mDoP).”

► **DeAnna Friedman-Klabanoff, MD**, Instructor, Department of Pediatrics, recently received her Notice of Award for my NIH K23 Career Development Grant entitled “Serological Markers of Natural Immunity to *Plasmodium falciparum* Infection.” The award will be for \$894,553 over five years.



DeAnna Friedman-Klabanoff, MD



Dheeraj Gandhi, MBBS

► **Deeraj Gandhi, MBBS**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded \$505,000 for a clinical study from University of Calgary funded by NoNo, Inc. for “A Multicentre, Randomized, Double-blinded, Placebo-Controlled, Parallel Group, Singledose Design to Determine the Efficacy and Safety of Nerinetide in Participants with Acute Ischemic Stroke Undergoing Endovascular Thrombectomy Excluding Thrombolysis (ESCAPE-NEXT Trial).”

► **Rao Gullapalli, PhD, MBA**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded a \$386,250 supplement for his NIH R01 grant entitled “Longitudinal Sub-Thalamic Structure and Functional Alterations in Mild Traumatic Brain Injury.”



Rao Gullapalli, PhD, MBA



Anthony Harris, MD, MPH

► **Anthony Harris, MD, MPH**, Professor, Department of Epidemiology & Public Health, received a one and a half-year, \$277,690 Merck Laboratory contract for his work entitled, “Characterizing Switch/Add-on Prescribing Behavior, Patient Characteristics, and Outcomes for Patients with Gram-Negative Bacterial Infections.”

► **Ronna Hertzano, MD, PhD**, Associate Professor, Department of Otorhinolaryngology–Head



Ronna Hertzano, MD, PhD

& Neck Surgery, and **Jessica Mong, PhD**, Professor, Department of Pharmacology, received a three-year, \$1,515,970 grant from the Department of Defense (CDMRP) for “Accelerating Translation of Estrogen Signaling as a Treatment for Noise-Induced Hidden Hearing Loss in Both Sexes.”

► The National Cancer Institute (NCI) Clinical Trials and Translational Research Advisory Committee announced on July 14, 2021 that **Mark Mishra, MD**, Associate Professor, Department of Radiation Oncology, has been named as a 2021 recipient of a Cancer Clinical Investigator Team Leadership Award (CCITLA). These prestigious awards recognize and support outstanding midcareer clinical investigators at NCI-Designated Cancer Centers who are “working to improve the lives of people with cancer through extensive involvement in NCI-funded collaborative clinical trials and whose leadership, participation, and activities promote clinical trials and research.” The award provides partial support (\$120,000) for two years for award-related activities and efforts.



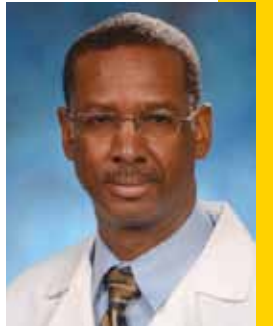
Mark Mishra, MD



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, received a \$386,174 supplement from the National Institutes of Health for their ongoing work entitled “Targeting M1/M3 Muscarinic Receptors to Treat Gestational Pesticide Poisoning.”

► **Howard Richard, MD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was awarded \$70,728 for a clinical study from BlackSwan Vascular, Inc. for “Liquid Embolization of Arterial Hemorrhages in the Peripheral Vasculature-The LAVA Study.”



Howard Richard, MD



Amit Sawant, PhD

► **Amit Sawant, PhD**, Professor, Department of Radiation Oncology, and **Rao Gullapalli, PhD**, Professor, Department of Diagnostic Radiology, were awarded a five-year, \$3,118,686 R01 grant in July 2021 from the National Cancer Institute for “Personalized Motion Management for Truly 4D Lung Radiotherapy.”

New Faculty

We welcome our new faculty!



Jessica Carpenter, MD

► **Jessica Carpenter, MD**, joined the Department of Pediatrics, Division of Neurology, on July 6, 2021. Dr. Carpenter obtained her Medical Degree at Tufts University School of Medicine in 2002. She completed an Internship and Residency in Pediatrics at Georgetown University Hospital in 2004. She followed this with a Residency in Neurology at Children’s National Medical Center from 2004 to 2007.

► **Emily Esposito, DO**, joined the Department of Emergency Medicine, Program in Trauma on August 1, 2021. Dr. Esposito will serve as an attending on the

critical care and intensive care units within the R Adams Cowley Shock Trauma Center. She will be involved in the teaching of medical students, residents and fellows. Dr. Esposito is a graduate of NYIT College of Osteopathic Medicine receiving her degree in 2015. She then went onto Albany Medical Center where she completed her Emergency Medicine residency in 2018. Upon completion of her residency, Esposito came to the Program in Trauma to complete her two-year fellowship in Surgical Critical Care. Dr. Esposito is board certified by the American Board of Emergency Medicine.

► **Alison Grazioli, MD**, joined the Department of Medicine, Program in Trauma on September 1, 2021, as an Assistant Professor.

Dr. Grazioli will serve as the Medical Director of the Cardiac Surgery ICU. Dr. Grazioli is a graduate of the University of Medicine and Dentistry of New Jersey, receiving her degree in 2010. She then went onto Johns Hopkins Hospital, completing her Internal Medicine residency in 2013. In 2015, she completed a two-year fellowship in Nephrology at the University of Pennsylvania and in 2017 completed a one-year fellowship in Critical Care Medicine at the University of Maryland Medical Center. Dr. Grazioli held the rank of Assistant Professor at the University of Maryland School of Medicine from 2015 to 2016 (Division of Nephrology), 2017 to 2019 (Division of Pulmonary and Critical Care) and Clinical Assistant Professor from 2019 to 2021. She was on staff at the Baltimore VA Medical Center, Department of Medicine from, 2015 to 2017 in the Nephrology Division, 2017 to 2019, in the Division of Pulmonary and Critical Care Medicine, 2018 to 2019, in the Section on Nephrology and, since 2019, as a Staff Physician in the Department of Medicine. Also, since 2019, Dr. Grazioli has been a Staff Clinician with the National Institutes of Health, NIDDK. Dr. Grazioli is board certified in Internal Medicine, Nephrology, and Critical Care Medicine by the American Board of Emergency Medicine.

► **Melike Harfouche, MD**, joined the Department of Surgery, Program in Trauma, as Assistant Professor on August 1, 2021. Dr. Harfouche will serve as an attending within the Program in Trauma. She will be involved in the teaching of medical students, residents and fellows. Dr. Harfouche is a graduate of Mount Sinai School of Medicine, receiving her degree in 2013. She then went onto Temple University completing her General Surgery residency in 2018. In 2018, she began her training at the R Adams Cowley Shock Trauma Center. She completed her Surgical Critical Care fellowship in 2019, her Acute Care Surgery fellowship in 2020, and her Trauma/Acute Care Surgery Research training in 2021. In 2018, Dr. Harfouche began her Master of Public Health studies at Johns Hopkins School of Public Health. Dr. Harfouche is board certified in General Surgery and Surgical Critical Care by the American Board of Surgery.

► **Neena Jube-Desai, MD, MBA, FAAP**, joined the Department of Pediatrics, Division of Neonatology as an Assistant Professor on July 19, 2021. Dr. Jube-Desai obtained her Medical Degree at Albany Medical College in 2015. She did a Pediatric Residency at St. Christopher's Hospital for Children in 2018. She followed this with a Fellowship in Neonatal-Perinatal Medicine at Children's National Hospital/George Washington University Hospital in 2021.

► **Melissa Pergakis, MD**, joined the Department of Neurology, Program in Trauma, as an Assistant Professor on August 15, 2021. Dr. Pergakis will serve as an attending on the Neuro Critical Care Units at the University of Maryland Medical Center Downtown and Midtown. She will be involved in the teaching of medical students, residents and fellows. Dr. Pergakis is a 2015 graduate of the University of Massachusetts Medical School. In 2019 she completed her residency in Neurology at Boston University Medical Center. She then came to the University of Maryland Medical Center completing her fellowship in Neurocritical Care in 2021. Dr. Pergakis is board certified by the American Board of Psychiatry and Neurology.

► **Ayesha Saya, MD, MPH**, joined the Department of Pediatrics, Division of Neonatology as an Assistant Professor on August 1, 2021. Dr. Saya obtained her Medical Degree at Boston University School of Medicine/School of Public Health, Epidemiology in 2014. She did a Pediatric Residency at Brown University from 2014 to 2017. She followed this with a fellowship in Neonatal-Perinatal Medicine at Johns Hopkins University from 2018 to 2021.

► **Benjamin Smith, MD**, joined the Department of Medicine, Program in Trauma, as an Assistant Professor on July 19, 2021. Dr. Smith will provide critical care attending services at the University of Maryland Prince George's Hospital Center. Dr. Smith is a 2016 graduate of West Virginia University School of Medicine receiving his degree in 2016. Both his residency in Internal Medicine, completed in 2019, and fellowship in Critical Care Medicine, completed in 2021, were at the University of Pittsburgh Medical Center. Dr. Smith is board certified by the American Board of Internal Medicine.

► **Bethany Strong, MD**, joined the Department of Surgery, Program in Trauma, as an Assistant Professor on August 1, 2021. Dr. Strong will serve as an attending at the University of Maryland Prince George's Hospital Center on the Trauma Surgery Service. Dr. Strong is a 2012 graduate of Harvard Medical School. In 2019, she completed her residency in General Surgery at Brigham and Women's Hospital. During her residency she came to the University of Maryland Medical Center for a two-year residency research experience in General Surgery Preventive Medicine. She completed her fellowship in Surgical Critical Care in 2020 and her fellowship in Acute Care Surgery in 2021, both at the R Adams Cowley Shock Trauma Center. Dr. Strong is board certified in General Surgery and Surgical Critical Care by the American Board of Surgery.

Appointments

We applaud our colleagues on their recent appointments!



Isabel Jackson, PhD

► **Isabel Jackson, PhD**, Associate Professor, Department of Radiation Oncology, was appointed a member of the American Association for Cancer Research Radiation Science and Medicine Working Group Steering Committee on July 16, 2021.

► **Pranshu Mohindra, MD, MBBS**, Associate Professor, Department of Radiation Oncology, assumed the position of Chair of the American Society for Radiation Oncology's Workforce Subcommittee in July 2021, and has been appointed for service on the society's Payer Relations Subcommittee and Scientific Review Panel.



Pranshu Mohindra, MD, MBBS



Kathleen Neuzil, MD, MPH, FIDSA

► **Kathleen Neuzil, MD, MPH, FIDSA**, the Myron M. Levine, MD, DTPH, Professor in Vaccinology and Director, Center for Vaccine Development and Global Health, has been appointed as a representative of the National Foundation for Infectious Diseases (NFID) on the Advanced Course of Vaccinology (ADVAC) Scientific Committee. She also has been appointed to the BactiVac Network Advisory Board and has been chosen as a member of the Advisory Group for the Global Typhoid Genomics Consortium,

► **Amit Sawant, PhD**, Professor, Department of Radiation Oncology, was appointed Vice Chair for Medical Physics by William Regine, MD, FACR, FACRO, the Isadore & Fannie Schneider Foxman Chair in Radiation Oncology on August 1, 2021.



Amit Sawant, PhD

Publications

Hats off to those who have been published!



Sally Adebamowo, MBBS, MSc, ScD

► **Sally Adebamowo, MBBS, MSc, ScD**, Associate Professor, Department of Epidemiology & Public Health, co-authored “A Proposed New Generation of Evidence-Based Microsimulation Models to Inform Global Control of Cervical Cancer,” which was published in the March 2021 issue of *Preventive Medicine Journal*. Separately, Dr. Adebamowo and **Clement Adebamowo, BM, ChB, ScD, FWACS, FACS**, Professor, Department of Epidemiology & Public Health, co-authored “Indigene Study as Part of the H3Africa Consortium. Qualitative Study of Comprehension of Heritability in Genomics Studies among the Yoruba in Nigeria,” which was published in *BMC Medical Ethics* on December 9, 2020.

► **Zubair Ahmed, PhD**, Professor, and **Saima Riazuddin, PhD, MPH, MBA**, Professor, both from the Departments of Otorhinolaryngology–Head & Neck Surgery, Biochemistry and Molecular Biology, were among the co-authors of “The Role of CDHR3 in Susceptibility to Otitis Media,” which was published in the *Journal of Molecular Medicine* on July 28, 2021.

► **Ruth Akinlosotu**, PhD Student; **Nesreen Alissa**, PhD Student; and **Kelly Westlake, PhD, MSc, PT**, Associate Professor, all from the Department of Physical Therapy and Rehabilitation Science, were co-authors of “Examining the Influence of Mental Stress on Balance Perturbation Responses in Older Adults,” which was recently published in the journal *Experimental Gerontology*.

► **Jennifer Albrecht, PhD**, Associate Professor, Department of Epidemiology & Public Health, co-authored “Repetitive Traumatic Brain Injury among Older Adults,” which was published in the *Journal of Head Trauma Rehabilitation* on July 26, 2021.

► **Bradley Alger, PhD**, Professor Emeritus, Department of Physiology, was the author of “The Usefulness of Popper: A Scientist’s Reply to Professor Charlotte Sleigh,” in *History and Philosophy of Science and Science Teaching*, July 2021.

► **Omer Awan, MD, MPH**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was first author of “Resident Clinician Educator Leadership Pathway Tracks in US Radiology Programs: An ADVICER 2021 Survey Study,” which was published in the June 2021 issue of *Current Problems in Diagnostic Radiology*. Separately, Dr. Awan was last author of “Creative Thinking: Its Importance and How to Cultivate It,” which was published in the June 2021 issue of *Academic Radiology*; the first author of “The Case for Gamification in Radiology Education,” which was published in the August 2021 issue of *Academic Radiology*; and “The Need for Diversity in Education,” also published in *Academic Radiology* in July 2021. Lastly, Dr. Awan was the author of “Invited Commentary: The Need for Interactive Radiology Education,” which was published in the July-August 2021 issue of *Radiographics*.

► **Kathryn Hughes Barry, PhD, MPH**, Assistant Professor; **Yuji Zhang, PhD**, Associate Professor; and **Søren Bentzen, PhD, DMSc**, Professor, all from the Department of Epidemiology & Public Health co-authored “MYC DNA Methylation in Prostate Tumor Tissue is Associated with Gleason Score,” which was published in the December 2020 issue of *Genes (Basel)*.

► **Garrett Cavaliere, DO**, Resident; **Reem Alfalasi, MB, ChB**, 2021 Residency Graduate; **Gregory Jasani, MD**, 2021 Residency Graduate; and **Benjamin Lawner,**



Jennifer Albrecht, PhD



Kathryn Hughes Barry, PhD, MPH



Zubair Ahmed, PhD



Kelly Westlake, PhD, MSc, PT



Benjamin Lawner, DO, MS, EMT-P

► **Rong Chen, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Reversing Neural Circuit and Behavior Deficit in Mice Exposed to Maternal Inflammation by Zika Virus,” which was published in the July 2021 issue of *EMBO Reports*.

► **Cynthia Czawlytko, MD**, Third Year Resident; **Elana Smith, MD**, Assistant Professor; **Omer Awan, MD, MPH**, Associate Professor; **Charles Resnik, MD**, Professor; and **Rydhwana Hossain, MD**, Assistant Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were the co-authors of “The Effect of Virtual Interviews and Social Media on Applicant Decision-Making during the 2020-2021 Resident Match Cycle,” which was published in the July 2021 issue of *Academic Radiology*. Separately, Dr. Smith was first author of “You’ll See It When You Know It: Granulomatous Mastitis,” which was published in the July 2021 issue of *Emergency Radiology*.



Zachary Dezman, MD, MS, MS

DO, MS, EMT-P, Associate Professor, all from the Department of Emergency Medicine, were among the authors of “Terrorist Attacks against Healthcare Facilities: A Review,” which was published in *Health Security* on July 28, 2021. Separately, Dr. Cavaliere; **Neeraja Murali, DO**, Assistant Professor; **Laura Bontempo, MD, MEd**, Associate Professor; and **Zachary Dezman, MD, MS, MS**, Assistant Professor, all from the Department of Emergency Medicine, were sole authors of “19-Year-Old Woman with Intermittent Weakness,” which was published in *Clinical Practice and Cases in Emergency Medicine* on July 27, 2021.

► **Zachary Dezman, MD, MS, MS**, Assistant Professor; **Benoit Stryckman, MA**, Research Associate and Health Economist; **David Marcozzi, MD, MHS-CL, MHS-CL, FACEP**, Professor; and **Laura Pimentel, MD**, Clinical Professor, all from the Department of Emergency Medicine, were among the authors of “Masking for COVID-19 Is Associated with Decreased Emergency Department Utilization for Non-COVID Viral Illnesses and Respiratory Conditions in Maryland,” which was published in the *American Journal of Medicine* on July 6, 2021.

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was a co-author of an editorial entitled “At Last, 18F-FDG for Inflammation and Infection!” which was published in the August 2021 issue of the *Journal of Nuclear Medicine*.

► **Thomas Ernst, Dr rer nat**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Genome-Wide Association Study of Pancreatic Fat: The Multiethnic Cohort Adiposity Phenotype Study,” which was published in the July 2021 issue of *PLoS One*. Separately, Dr. Ernst was among the co-authors of “Biomarker-Based Visceral Adiposity Score and Incident Type 2 Diabetes in the Multiethnic Cohort,” which was published in the July 2021 issue of *Annals of Epidemiology*.



Jason Falvey, PT, DPT, PhD

► **Jason Falvey, PT, DPT, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was the first author of “Association of Social Isolation with Disability Burden and 1-year Mortality among Critically Ill Older Adults,” which



Rong Chen, PhD



Charles Resnik, MD



Vasken Dilsizian, MD

was published in the *Journal of the American Medical Association (JAMA) Internal Medicine* on September 7, 2021.



Matthew Ferris, MD

► **Matthew Ferris, MD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “ASO Visual Abstract: Impact of Metastectomy and Aggressive Local Therapy in Newly Diagnosed Metastatic Soft Tissue Sarcoma: An Analysis of the NCDB,” which was epublished in *Annals of Surgical Oncology* on August 5, 2021.

► **Kevin Flanagan, DO**, Assistant Professor; **Zachary Dezman, MD, MS, MS**, Assistant Professor; **Karl Dachroeden, MD**, Resident; and **Laura Bontempo, MD, MEd**, Associate Professor, all from the Department of Emergency Medicine, were authors of “73-Year-Old Female with Syncope and Subsequent Motor Vehicle Crash,” which was accepted for publication in *Clinical Practice and Cases in Emergency Medicine* on April 1, 2021.

► **Siva Gaddam, MD**, Fourth-Year Resident; **Gordon Crews, MD**, Fourth-Year Resident; **Dheeraj Gandhi, MBBS**, Professor; **Robert Morales, MD**, Assistant Professor; **Jiachen Zhuo, PhD**, Assistant Professor; **Ranyah Almardawi, MBBS**, Clinical Research Supervisor; and **Prashant Raghavan, MD**, Associate Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were the co-authors of “Circumferential Segmental Vessel-Wall Enhancement on Black Blood MRI in Patients Referred for the Evaluation of Vasculopathy,” which was epublished in the June 2021 issue of *Clinical Imaging*.

► **Yue Gao, MD**, Postdoctoral Fellow; **Anna Jablonska, PhD**, Research Associate; **Chengyan Chu, MD**, Postdoctoral Fellow; **Piotr Walczak, MD, PhD**, Professor; and **Mirosław Janowski, MD, PhD**, Associate Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were the co-authors of “Mesenchymal Stem Cells Do Not Lose Direct Labels Including Iron Oxide Nanoparticles and DFO-89Zr Chelates through Secretion of Extracellular Vesicles,” which was published in the June 2021 issue of *Membranes (Basel)*.



Piotr Walczak, MD, PhD

► **Daniel Gingold, MD, MPH**, Assistant Professor; **Benoit Stryckman, MA**, Research Associate and Health Economist; and **David Marcozzi, MD, MHS-CL, MHS-CL, FACEP**, Professor, all from the Department of Emergency Medicine, were among the authors, along with **Deborah Stein, ELS**, Technical Writer/Editor, Department of Emergency Medicine, edited the manuscripts of:

- “The Effect of a Mobile Integrated Health Program on Health Care Cost and Utilization,” which was accepted on July 19, 2021, for publication in *Health Services Research*
- “Analysis of an Alternative Model of Definitive Care for Low-Acuity Emergency Calls: A Natural Experiment,” which was accepted on July 20, 2021, for publication in the *Journal of Emergency Medicine*

► **Vicki Gray, MPT, PhD**, Assistant Professor, Department of Physical Therapy and Rehabilitation Science, was a co-author of “Revascularization for Asymptomatic Carotid Artery Stenosis Improves Balance and Mobility,” which was recently published in the *Journal of Vascular Surgery*.



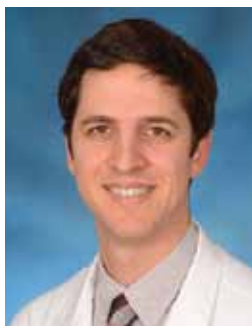
Vicki Gray, MPT, PhD



Kevin Flanagan, DO

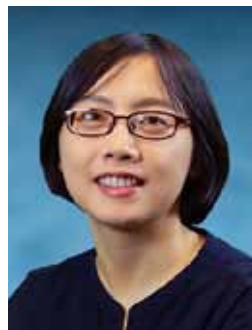


Dheeraj Gandhi, MBBS



Daniel Gingold, MD, MPH

► **Kim Hankey, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Anti-SARS-CoV-2 Immune Responses in Patients Receiving an Allogeneic Stem Cell or Organ Transplant,” which was published in *Vaccines* on July 3, 2021.



Meizhen Huang, PhD

► **Meizhen Huang, PhD**, Postdoctoral Fellow, Department of Physical Therapy and Rehabilitation Science, co-authored “Footstrike Angle Cut-Off Values to Classify Footstrike Pattern in Runners,” which was recently published in the journal *Research in Sports Medicine*

► **Maite Huis in ‘t Veld, MD**, Adjunct Assistant Professor, Department of Emergency Medicine, was among the authors of “Electrocardiographic Diagnosis of Acute Coronary Occlusion Myocardial Infarction in Ventricular Paced Rhythm Using the Modified Sgarbossa Criteria,” which was published in *Annals of Emergency Medicine* on June 22, 2021.

► **Xiaofeng Jia, BM, PhD**, Professor, (corresponding author) and **Kailiang Zhou, MD, PhD**, Postdoctoral Fellow, (first author), both from the Department of Neurosurgery, were among the authors of “Trehalose Augments Neuron Survival and Improves Recovery from Spinal Cord Injury via mTOR-Independent Activation of Autophagy,” which was published in the July 2021 issue of *Oxidative Medicine and Cellular Longevity*.



Xiaofeng Jia, BM, PhD

► **Kai Jiang, PhD**, Assistant Professor; **Michelle Mundis**, Dosimetrist; **Elizabeth Nichols, MD**, Associate Professor; **Arun Gopal, PhD**, Assistant Professor; **Shifeng Chen, PhD**, Associate Professor; and **Nrusingh Biswal, PhD**, Assistant Professor, all from the Department of Radiation Oncology, were among the authors of “Comparison of the Dosimetric Accuracy of Proton Breast Treatment Plans Delivered with SGRT and CBCT Setups,” which was published in the *Journal of Applied Clinical Medical Physics* on July 20, 2021.



Elizabeth Nichols, MD

► **Michy Kelly, PhD**, Associate Professor, Department of Anatomy and Neurobiology, was senior author of “A Genetic Basis for Friendship? Homophily for Membrane-Associated PDE11A-cAMP-CREB Signaling in CA1 of Hippocampus Dictates Mutual Social Preference in Male and Female Mice,” which was published in *Molecular Psychiatry* on July 28, 2021.



Michy Kelly, PhD

► **Anupama Kewalramani, MD**, Assistant Professor; **Jaylyn Waddell, PhD**, Assistant Professor; and **Elaine Puppa, RN**, all from the Department of Pediatrics, were co-authors of “Telemedicine during the Coronavirus Disease 2019 Pandemic for Pediatric Patients with Eosinophilic Esophagitis,” which was published in the *Annals of Allergy, Asthma & Immunology* on June 20, 2021.



Anupama Kewalramani, MD

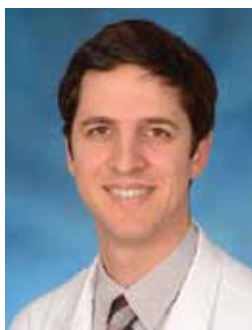
► **Kimia Khalatbari Kani, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Update of Pediatric Soft Tissue Tumors with Review of Conventional MRI Appearance-Part 2: Vascular Lesions, Fibrohistiocytic Tumors, Muscle Tumors, Peripheral Nerve Sheath Tumors, Tumors of Uncertain Differentiation, and Undifferentiated Small Round Cell Sarcomas,” which was published in the July 2021 issue of *Skeletal Radiology*.

► **Danya Khoujah, MBBS**, Adjunct Assistant Professor, and **Wan-Tsu Chang, MD**, Associate Professor, both from the Department of Emergency Medicine, were sole discussants on the monthly pod-

cast, ACEP [American College of Emergency Physicians] Critical Decisions in Emergency Medicine, July 2020–June 2021 episodes.

► **Marcel Bahia Lanza, PhD**, Postdoctoral Fellow, Department of Physical Therapy and Rehabilitation Science, was a co-author of “Strength Training to Prevent Falls in Older Adults: A Systematic Review with Meta-Analysis of Randomized Controlled Trials,” which was recently published in the *Journal of Clinical Medicine*.

► **Dylan Lescure, MD**, Resident; **Daniel Gingold, MD, MPH**, Assistant Professor; and **J. David Gatz, MD**, Assistant Professor, all from the Department of Emergency Medicine, were among the authors of “Man with Pleuritic Chest Pain and Hemoptysis,” which was published in *Annals of Emergency Medicine* on August 1, 2021.



Daniel Gingold, MD, MPH

► **Richard Lichenstein, MD**, Professor, Department of Pediatrics, was among the co-authors of “Creating a Pediatric Prehospital Destination Decision Tool Using a Modified Delphi Method,” which was published in *Children* on January 29, 2021.



Richard Lichenstein, MD

► **David Marcozzi, MD, MHS-CL, FACEP**, Professor; **Ricardo Pietrobon, MD, PhD, MBA**, Adjunct Associate Professor; **Nicole Baehr, MHA, PMP**, former Population Health Project Supervisor; and **Brian Browne, MD**, Professor and Chair, all from the Department of Emergency Medicine, were among the authors of “The Application of a Hospital Medical Surge Preparedness Index to Assess National Pandemic and Other Mass Casualty Readiness,” which was published in the *Journal of Healthcare Management* on June 18, 2021. **Deborah Stein, ELS**, Technical Writer/Editor, Department of Emergency Medicine, edited the manuscript.



David Marcozzi, MD, MHS-CL, FACEP

► **Amal Mattu, MD**, Professor, Department of Emergency Medicine, was second author of “Improving the ECG [Electrocardiogram] Diagnosis of the Elusive, Acute Coronary Occlusion in Patients with Ventricular Paced Rhythm,” which was published in *Annals of Emergency Medicine* on July 28, 2021.



Amal Mattu, MD

► **Dirk Mayer, Dr rer nat**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the co-editor of the book *Dynamic Hyperpolarized Nuclear Magnetic Resonance*, which was published by Springer International Publishing in 2021. Dr. Mayer, along with **Stephen DeVience, PhD**, Postdoctoral Fellow, were the co-authors of a chapter in this book entitled, “Metabolic Imaging with Dynamic Hyperpolarized NMR.”

► **Sarah McAvoy, MD**, Associate Professor, Department of Radiation Oncology, was among the co-authors of “Phase II Trial of Proton Therapy Versus Photon IMRT for GBM: Secondary Analysis Comparison of Progression-Free Survival Between RANO Versus Clinical Assessment,” which was published in *Neuro-Oncology Advances* on June 1, 2021.



Sarah McAvoy, MD

► **Michael Miller, MD, FACC, FAHA**, Professor, Department of Medicine, was among the co-authors of “2021 ACC Expert Consensus Decision Pathway on the Management of ASCVD Risk Reduction in Patients with Persistent Hypertriglyceridemia: A Report of the American College of Cardiology Solution Set Oversight Committee,” which was published in *JACC* on July 28, 2021.



Michael Miller, MD, FACC, FAHA

► **Sina Mossahebi, PhD**, Assistant Professor; **Stewart Becker, PhD**, Associate Professor; **Junliang Xu, PhD**, Assistant Professor; **Narottam Lamichhane, PhD**, Assistant Professor; and **Amit Sawant, PhD**, Professor, all from the Department of Radiation Oncology, were among the authors of “Radiation Shielding and Safety Implications Following Linac Conversion to an Electron FLASH-RT Unit,” which was published in *Medical Physics* on July 20, 2021. Separately, Dr. Mossahebi; **Jenna Jatzcak**, Dosimetrist; **Mark Mishra, MD**, Associate Professor; and **Elizabeth Nichols, MD**, Associate Professor, all from the Department of Radiation Oncology, were among the authors of “Outcomes of and Treatment Planning Considerations for a Hybrid Technique Delivering Proton Pencil-Beam Scanning Radiation to Women with Metal-Containing Tissue Expanders Undergoing Post-Mastectomy Radiation,” which was published in *Radiotherapy and Oncology* on July 16, 2021.



Stewart Becker, PhD

► **Michael Mulligan, MD**, Clinical Professor, Department of Diagnostic Radiology and Nuclear Medicine, was last author of “MRI of Traumatic Knee Dislocation: A Study to Evaluate Safety and Image Quality for Patients with Knee-Spanning Stabilization Devices,” which was published in the June 2021 issue of *Current Problems in Diagnostic Radiology*.

► **Dipanjan Pan, MSc, PhD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was last author of “Hyperspectral Mapping for the Detection of SARS-CoV-2 Using Nanomolecular Probes with Yoctomole Sensitivity,” which was published in the July 2021 issue of *ACS Nano*. In addition, Dr. Pan was the last author of “Function-Adaptive Clustered Nanoparticles Reverse *Streptococcus* Mutans Dental Biofilm and Maintain Microbiota Balance,” which was published in the July 2021 issue of *Communications Biology*.



Dipanjan Pan, MSc, PhD

► **Liu Ren, PhD**, Professor, Department of Radiation Oncology, was among the authors of “A Geometry-Guided Deep Learning Technique for CBCT Reconstruction,” which was published in *Physics in Medicine and Biology* on July 30, 2021.



Darlene Robinson, MD

► **Darlene Robinson, MD**, Assistant Professor, Department of Emergency Medicine, was second author of “Patient Satisfaction with Medications for Opioid Use Disorder Treatment via Telemedicine: Brief Literature Review and Development of a New Assessment,” which was published in *Frontiers in Public Health* on January 21, 2021.

► **Muhammad Saleh, PhD**, Research Associate, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Frequency Drift in MR Spectroscopy at 3T,” which was published in the July 2021 issue of *NeuroImage*.



Muhammad Saleh, PhD

► **Charles Sansur, MD, FAANS**, Professor; **Phelan Shea, MD**, Resident; and **Joshua Olexa, MD**, Resident, all from the Department of Neurosurgery, were among the authors of “The Effect of Sacroiliac Fusion and Pelvic Fixation on Rod Strain in Thorocolumbar Fusion Constructs: A Biomechanical Investigation,” which was published in *Spine* on July 15, 2021.



Charles Sansur, MD, FAANS

► **Benoit Stryckman, MA**, Research Associate and Health Economist; **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



Stephen Schenkel, MD, MPP

Professor; and **Brian Browne, MD**, Professor and Chair, all from the Department of Emergency Medicine, were sole authors of “Balancing Efficiency and Access: Hospital Global Budget Systems Require Reform to Discourage Emergency Department Boarding,” which was accepted for publication in *Western Journal of Emergency Medicine* on May 13, 2021. **Deborah Stein, ELS**, Technical Writer/Editor, Department of Emergency Medicine, edited the manuscript.

► **Quincy Tran, MD, PhD**, Associate Professor, Department of Emergency Medicine, was among the authors of “Workplace Violence in the Emergency Department: A Systematic Review and Meta-Analysis,” which was published in *Public Health* on July 8, 2021.



Quincy Tran, MD, PhD

► **R. Gentry Wilkerson, MD**, Associate Professor, and **Mike Winters, MD**, Professor, both from the Department of Emergency Medicine, were among the authors of “Clinical Practice Statement: What Is the Emergency Department Management of Patients with Angioedema Secondary to an ACE [Angiotensin-Converting Enzyme] Inhibitor?” which was published in the *Journal of Emergency Medicine* on May 15, 2021.

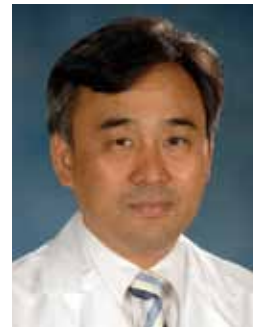


R. Gentry Wilkerson, MD

► **Rachel Wiltjer, DO**, Resident, and **R. Gentry Wilkerson, MD**, Associate Professor, both from the Department of Emergency Medicine, were sole authors of “Autism Spectrum Disorder in the Emergency Department,” which was published in *Emergency Medicine Reports* on August 1, 2021.

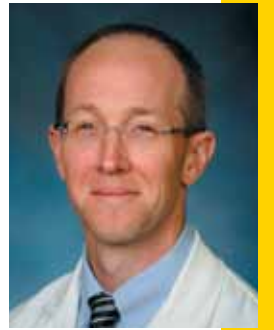
► **Mike Winters, MD**, Professor, Department of Emergency Medicine, was among the discussants on the twice-monthly podcast, *Critical Care Perspectives in Emergency Medicine*, episodes:

- “The ED-AWARENESS Study” published on July 16, 2021
- “Pigtail Catheters for Traumatic Hemothorax?” published on August 5, 2021



Byong Yong Yi, PhD

► **Byong Yong Yi, PhD**, Professor, and **Stewart Becker, PhD**, Associate Professor, both from the Department of Radiation Oncology, were the authors of “Simplified Method for Determining Dose to a Non-Water Phantom through the Use of N_D , and IAEA TRS 483 for the GammaPod,” which was published in the *Journal of Physics in Medicine* on July 6, 2021.



Mike Winters, MD

► **Mark Zakhary, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Initial Results of a Phase 2 Trial of 18F-DOPA PET-Guided Dose-Escalated Radiation Therapy for Glioblastoma,” which was published in the *International Journal of Radiation Oncology, Biology Physics* on August 1, 2021.



Mark Zakhary, PhD

► **Hong Zhang, PhD**, Assistant Professor, Department of Radiation Oncology, was the first author of “Genetic Variations in the Transforming Factor $\beta 1$ Pathway May Improve Predictive Power for Overall Survival in Non-

Small Cell Lung Cancer,” which was published in *Frontiers in Oncology* on July 7, 2021.



Yuji Zhang, PhD

► **Yuji Zhang, PhD**, Associate Professor, Department of Epidemiology & Public Health, co-authored “Calcium-Induced Autonomic Denervation in Patients with Post-Operative Atrial Fibrillation,” which was published in the *Journal of the American College of Cardiology* on January 5, 2021.

HOW TO SUBMIT INFORMATION TO THE **Buzz**

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

OR

You may submit your *Buzz* items online:

<https://umbforms.wufoo.com/forms/z150ub5x10bz167/>

Research Communications Network

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

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