Marianne Cloeren, MD, David Marcozzi, MD

COVID-19 Update: What We Know as of May 6, 2020

Lecture topics included:
• COVID-19 Update: What We Know as of May 6, 2020
• COVID 19: Update from NYC
• International COVID-19 Update from the Netherlands, Japan, and Pakistan
• Skin Findings in COVID
• Lung Ultrasound in COVID
• Pediatric COVID Update
• Critical Care COVID Update
• COVID EMS Update

Marianne Cloeren, MD, MPH, Associate Professor, Department of Medicine, presented a lecture to a national audience on June 10, 2020 for the American College of Occupational and Environmental Medicine’s (ACOEM) Safety Returning to Work: A Virtual Symposium. The topic of her talk was “Tracking Employee Exposure to COVID-19.”

Nisha Divakaruni, MD

J

Medicine Fellowship at the University of Florida at Orlando Health.

Jennifer Hong, MD, MPH

J

Psychiatric illness at the cellular, molecular, and circuit level. Her work is currently funded by a K99/R00 award from the National Institute on Drug Abuse.

Megan Fox, PhD

J

University College of Medicine. She followed this with a Fellowship in Pediatric Emergency Medicine at University of Florida College of Medicine.

Anikita Taneja, MBBS, MPH

J

Surgery from B.P. Koirala Institute of Health Sciences, Nepal in 2009. She obtained her MPH from Johns Hopkins Bloomberg School of Public Health and completed a Pediatric Residency at University of Florida College of Medicine. She followed this with a Fellowship in Pediatric Emergency Medicine at University of Florida College of Medicine.

Junliang Xu, PhD

J

Baltimore’s Field Hospital had a Lot More Capacity than was Needed—So Far,” which was published on June 2, 2020.

David Marcozzi, MD

J

Medicine, was an invited speaker for the “LiveSavers National Conference on Highway Safety Priorities” on June 9, 2020. She presented her research on child passenger safety for preterm neonates in a talk titled “Is It OK to Be Little? How Can You Be Sure I Am Safe?”

Martin Flajnik, PhD

J

Microbiology & Immunology, was a guest lecturer for a seminar at Washington University in St. Louis, Department of Immunology, titled “Origins of Antigen Presentation” on February 17, 2020.

Be Little? How Can You Be Sure I Am Safe?”

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

In the News

David Marcozzi, MD, Associate Professor, Department of Emergency Medicine, was featured in a Baltimore Business Journal article, “Turns Out, Baltimore’s Field Hospital had a Lot More Capacity than was Needed—So Far,” which was published on June 2, 2020.
- Feyruz Rassool, PhD. Professor, Department of Radiation Oncology, received a European patent for “Therapy Regimen and Methods to Sensitive Cancer Cells Treated with Epigenetic Therapy to PARP Inhibitors to Ovarian Cancer” (UMB Docket Number: FR-2013-075 (EP)).

- Eugene Albrecht, PhD. Professor, Department of Obstetrics, Gynecology and Reproductive Sciences, received a five-year, $3,506,350 grant from the National Institute of Health for “Estrogen Regulation of Fetal Microvessel Development During Primate Pregnancy: Impact on Insulin Sensitivity in Offspring.”

- Tracy Bale PhD, Professor, Department of Pharmacology and Director, Center for Epigenetic Research in Child Health and Brain Development, received a five-year, $3,394,308 R37 MERIT award from the National Institute of Mental Health (NIH/NIMH) for “Paternal Stress and Epigenetic Programming of Offspring Neurodevelopment.”

- L. Latéy Bradford, MD, PhD. Resident, was selected by the American Academy of Family Physicians Foundation to receive a 2020 Family Medicine Cares Resident Service Award for her service project, “Queens Court: A Postpartum Education and Support Group Designed to Empower and Facilitate Wellness in Women of Color.” This $16,500 award provides support for direct project costs, funding to the University Family Medicine Clinic and a travel award for Dr. Bradford to attend the 2021 National Conference of Family Medicine Residents and Students to present the results of the project.

- Linda Chang, MD, MS, and Thomas Ernst, Dr rer nat, both Professors from the Department of Diagnostic Radiology and Nuclear Medicine, and PI’s of UMB’s site of the landmark Adolescent Brain Cognitive Development (ABCD) study were awarded a seven-year, $13,098,568 grant renewal.

- Yasmine Cissé PhD, Postdoctoral Fellow, Department of Pharmacology, Center for Epigenetic Research in Child Health and Brain Development, received a three-year, $202,062 F32 NRSA from the Eunice Kennedy Shriver National Institute of Child Health & Human Development (NIH/NICHD) for “Programmatic Role of Maternal Preconception Stress on Offspring Metabolic Health.”

- Deeraaj Gandhi, MBBS, Professor, Department of Diagnostic Radiology and Nuclear Medicine was awarded $347,880 from the Focused Ultrasound Foundation for “MR Guided FUS of Thalamus (Central Lateral Thalamotomy) for Treatment of Trigeminal Neuralgia: Feasibility and Safety Study.”

- Eldin Jalaerevic, PhD. Research Associate, Department of Pharmacology, and Associate Director of Research Bioinformatics, Center for Epigenetic Research in Child Health and Brain Development, received a four-year, $528,096 K01 grant from the National Institute of Diabetes and Digestive and Kidney Diseases (NIH/NIDDK) for “Immune and Developmental Actions of the Maternal Microbial Metabolites on the Hypothalamus.”

- Xiaofeng Jia, BM, PhD. Professor, Department of Neurosurgery, received a two-year, $345,000 grant from the Maryland Stem Cell Research Fund (MSCRF) Discovery Program for “Developing Human iPSC-Derived Exosome Therapy to Improve Recovery after Peripheral Nerve Injury.”

- Mary Kay Lobo, PhD. Professor, Department of Psychology, Institute for Genome Sciences, along with a colleague at State University of New York at Buffalo, received a $1,823,772 grant from the National Institute of Drug Abuse (NIH/NIDA) for “Heroin-Induced Fenomic Regulation of Ventral Pallidum Neuron Subtypes.”

- Arezoo Modiri, PhD. Assistant Professor, Department of Radiation Oncology, received a $206,049 grant from the Sponsored Research Agreement with Varian Medical Systems for “Risk-Model-Based Radiotherapy Treatment Planning to Optimize Individual Overall Survival.”

- Jean-Pierre Bauman, MD. Professor, Department of Medicine, received a five-year, $2,103,549 grant from the National Institute of Diabetes, Digestive and Kidney Diseases (NIH/NIDDK) for renewal of a T32 program “Research Training in Gastroenterology and Hepatology.”

- Zeljko Vujaskovic, MD, PhD. Professor, Department of Radiation Oncology, received a five-year, $12,239,361 award from the National Institute of Allergy and Infectious Diseases (NIH/NIAD) for “Intercollaborative Radiation Countermeasure (INTERACT) Consortium for Advanced Development of Medical Countermeasures to Mitigate/Treat Acute and Delayed Radiation Syndromes.” As part of the award, the University of Maryland School of Medicine becomes a member of the NIAID Centers for Medical Countermeasures Against Radiation Consortium.

- Junfong Wu, BM, PhD. Associate Professor, Department of Anesthesiology, along with Long-Jun Wu, PhD, from Mayo Clinic, received a five-year, $2,392,596 R01 grant from the National Institute of Neurological Disorders and Stroke (NIH/NINDS) for “The Function and Mechanisms of Voltage-Gated Proton Channel Hv1 in Spinal Cord Injury.”

- Peixin Yang, PhD. Professor, Department of Obstetrics, Gynecology & Reproductive Sciences, was awarded a five-year, $2.56 million R01 renewal for “Autophagy and Its Regulation in Diabetic Embryopathy.”
Hats off to those who have been published!

- **Zubair Ahmed, PhD, Professor, and Saima Riazuddin, PhD, MPH, MBA, Professor** both from Department of Otorhinolaryngology Head and Neck Surgery, were among the co-authors of “Molecular Characterization of SLC24A5 Variants and Evaluation of Nitisnine Treatment Efficacy in a Zebrafish Model of OCA6,” which was published in the July 2020 issue of *Pigment Cell Melanoma Research*.

- **Eugene Albrecht, PhD, Professor, Department of Obstetrics, Gynecology and Reproductive Sciences**, was among the authors of “Regulation of Uterine Spiral Artery Remodeling,” which was published in the June 2020 issue of *Reproductive Sciences*. Separately, Dr. Albrecht, was featured in “Bare Bare: Research During the COVID19 Outbreak,” which appeared in the May 2020 issue of *Endocrine News*, a publication of the Endocrine Society.

- **Omer Awan, MD, MPH, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine**, was last author of “Overcoming Challenges for Successful PACS Installation in Low-Resource Regions: Our Experience in Nigeria,” which was published in the *Journal of Digital Imaging* on June 3, 2020, and “Social Media in Radiology: Overview and Usefulness of Online Professional #SoMe Profiles,” which was published in *Academic Radiology* on May 29, 2020.

- **Tracy Bale, PhD, Professor, Department of Pharmacology, and Director, Center for Epigenetic Research in Child Health and Brain Development (CERCH), and Yasmine Cissé PhD, Postdoctoral Fellow, also from the Department of Pharmacology and CERCH, were authors of “Brain and Placental Transcriptional Responses as a Readout of Maternal and Paternal Preconception Stress Are Fetal Sex Specific,” which was published in *Placenta* on July 2, 2020.

- **Aditi Banerjee, PhD, Assistant Professor; Steven Czinn, MD, Professor, and Thomas Blanchard, PhD, Associate Professor**, all from the Department of Pediatrics, were among the co-authors of “Crosstalk Between Endoplasmic Reticulum Stress and Anti-Viral Activities: A Novel Therapeutic Target for COVID-19,” which was published in *Life Sciences* on August 15, 2020.

- **Eli Bar, PhD, Associate Professor, Department of Pathology**, was among the authors of “Spatial Enrichment of Cellular States in Glioblastoma,” which was published in *Acta Neuropathologica* on July 1, 2020.

- **Maureen Black, PhD, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, and Angela Trude, PhD, Postdoctoral Fellow, also from the Department of Pediatrics, published a commentary, “All Children Surviving and Thriving: Re-Envisioning UNICEF’s Conceptual Framework of Malnutrition,” which was published in June 2020 Editorial Pick in *The Lancet Global Health*.

- **Michael Bond, MD, FACEP, FAAEM, Associate Professor, and Amal Mattu, MD, Professor, both from Department of Emergency Medicine**, were among the authors of “Designing the Third- and Fourth-Years Clerkship Schedule,” which was published in *Journal of Emergency Medicine* on January 13, 2020.

- **Vincent Bruno, PhD, Associate Professor, Department of Microbiology & Immunology, Institute for Genome Sciences**, was among the co-authors of “CFRP78 and Integrins Play Different Roles in Host Cell Infection during Mucormycosis,” which was published in *mBio* on June 2, 2020. Dr. Bruno also co-authored “Oral Epithelial IL-22/STAT3 Signaling Licenses IL-17-Mediated Immunity to Oral Mucosal Candidiasis,” which was published in *Science Immunology* on June 5, 2020.

- **Donna Calu, PhD, Assistant Professor, and David Martin, PhD, Postdoctoral Fellow, both from the Department of Anatomy and Neurobiology, were senior and lead authors, respectively, of “Effects of 5-HT 2A Receptor Stimulation on Economic Demand for Fentanyl after Intermittent and Continuous Access Self-Administration in Male Rats,” which was published in *Addiction Biology* on May 26, 2020.

- **Qi Cao, BM, PhD, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine**, published an editorial comment titled “Molecular Imaging of Amyloid Deposits for Early Diagnosis of Cardiac Amyloidosis and Monitoring Treatment Response,” which was published in the May 2020 issue of the *Journal of the American College of Cardiology: Cardiovascular Imaging*.

- **Chengyan Chu, MD, and Xiaoyan Lan, MD, both Postdoctoral Fellows; Anna Jablonska, PhD, Research Associate; Miroslaw Janowski, MD, PhD, Associate Professor; and Piotr Walczak, MD, PhD, Professor, all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the authors of “Neuroinflammation Following Stereotactic Radiosurgery-Induced Brain Tumor Disintegration Is Linked to Persistent Cognitive Decline in a Mouse Model of Metastatic Disease,” which was published in the *International Journal of Radiation Oncology, Biology, Physics* on May 26, 2020.

- **Elizabeth Clayborne, MD, Adjunct Assistant Professor, Department of Emergency Medicine, authored “Pregnant on the Frontlines,” which was published in *Emergency Physicians Monthly* on June 1, 2020.

- **Natalie Davis, MD, MMSc, Associate Professor, Department of Pediatrics, Division of Neonatology, was the first author of “Variation in Car Seat Tolerance Screen Performance in Newborn Nurseries,” which was published in the July 2020 issue of the *Journal of Pediatrics*.

- **Zachary Dezman, MD, Assistant Professor, Department of Emergency Medicine, was among the authors of “Maryland Emergency Department Drug Surveillance (EDDS) System Illustrates the Need for Hospitals to Update Their Toxicology Panels to Include Fentanyl and Other Emerging Substances,” which was accepted for publication in *Morbidity and Mortality Weekly Report* on May 28, 2020.**
Vasken Dilisizian, MD, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was a co-author of “Safe Reintroduction of Cardiovascular Services during the COVID-19 Pandemic: Guidance from North American Societies,” which was co-published in the April 2020 issue of the Journal of the American College of Cardiology, Canadian Journal of Cardiology and the Annals of Thoracic Surgery. Separately, Dr. Dilisizian, was a co-author of “Cardiac Imaging in the Post ISCHEMIA Trial Era—A Multi Society Viewpoint,” which was published in the May 2020 issue of the Journal of the American College of Cardiology. Separately, Dr. Dilisizian, was a co-author of “Guidance and Best Practices for Nuclear Cardiology Laboratories During the Coronavirus Disease 2019 (COVID-19) Pandemic: An Information Statement from ASNC and SNMMI,” which was co-published in the May 2020 issue of the Journal of Nuclear Cardiology and the Journal of Nuclear Medicine.

Ronna Hertzano, MD, PhD, Associate Professor, Department of Otorhinolaryngology Head and Neck Surgery Institute for Genome Sciences, was the author of “Impact of the ISCHEMIA Trial on Stress Nuclear Myocardial Perfusion Imaging,” which was published in the June 2020 issue of the Journal of Nuclear Medicine.

Michel Engeln, PhD, Research Associate, and Mary Kay Lobo, PhD, Associate Professor, both from the Department of Anatomy and Neurobiology, along with Ronna Hertzano, MD, PhD, Associate Professor, Department of Otorhinolaryngology Head and Neck Surgery Institute for Genome Sciences, were among the authors of “Individual Differences in Stereotypy and Neuron Subtype Translatability with TrkB Deletion,” which was published in Molecular Psychiatry on May 4, 2020.

Victor Frenkel, PhD, Associate Professor, and Director of Translational Focused Ultrasound Research, and Ali Mohammadabadi, PhD, Postdoctoral Fellow, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Pulsed Focused Ultrasound Lowers Intraluminal Fluid Pressure and Increases Nanoparticle Delivery and Penetration in Head and Neck Squamous Cell Carcinoma Xenograft Tumors,” which was published in Physics in Medicine and Biology on June 22, 2020.

Matthew Frieman, PhD, Research Associate; Stuart Weston, PhD, Research Fellow; James Logue, Graduate Research Assistant; and Robert Haupt, all from the Department of Microbiology & Immunology, were among the authors of “High-Throughput Effort Using Both Humanized Mice and Convalescent Humans Yields SARS-Cov-2 Antibody Cocktail,” which was published in the June 2020 issue of Science.

Durga Sivacharan Gaddam, MD, Resident, and Omer Awan, MD, MPH, Associate Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, co-authored “Back to the Future: Shortcomings of an Archaic Model for Radiology Lectures,” which was published in the July–August 2020 issue of Radiographics. Separately, Dr. Awan was last author of “Artificial Intelligence-Based Clinical Decision Support Systems Using Advanced Medical Imaging and Radiomics,” which was published in the June 2020 issue of Current Problems in Diagnostic Radiology.

Ronna Hertzano, MD, PhD, Associate Professor, Department of Otorhinolaryngology Head and Neck Surgery, Institute for Genome Sciences, was among the co-authors of “Characterization of the Development of the Mouse Cochlear Epithelium at the Single Cell Level,” which was published in Nature Communications on May 13, 2020, and highlighted in a press release by the National Institute on Deafness and Other Communication Disorders. (https://www.niddc.nih.gov/news/2020/study-charts-developmental-map-of-inner-ear-sound-sensor-in-mice)

Rydhwaan Hossain, MD, Assistant Professor (first author), and Charles White, MD, Professor (last author), both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the authors of “CT Scans Obtained for Nonpulmonary Indications: Associated Respiratory Findings of COVID-19,” which was published in the May 2020 issue of Radiology. Separately, Drs. Hossain and White were among the co-authors of “COVID-19 Diagnostic Imaging Recommendations,” which was published in the May 2020 issue of Applied Radiology.

Kazi Hoque, PhD, Research Associate; Eryn Dixon, Student; Victoria Halperin Kuhns, PhD, Postdoctoral Fellow; and Owen Woodward, PhD, Assistant Professor, all from the Department of Physiology, were among the co-authors of “The ABCG2 Q141K Hyperuricaemia and Gout Associated Variant Illuminates the Physiology of Human Urate Excretion,” which was published in Nature Communications on June 2, 2020.

Amal Isaiah, MBBS, DPhil, Assistant Professor, Department of Otorhinolaryngology Head and Neck Surgery, was the author of “Predicting Polysomnographic Severity Thresholds in Children Using Machine Learning,” which was published in the May 2020 issue of Pediatric Research.

Miroslaw Janowski, MD, PhD, Associate Professor (last author), and Piotr Walczak, MD, PhD, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Mesenchymal Stem Cells Injected into Carotid Artery to Target Focal Brain Injury Home to Perivascular Space,” which was published in Thrombosis on May 17, 2020. Separately, Drs. Janowski and Walczak also were among the co-authors of “Methacrylated Gellan Gum and Hyaluronic Acid Hydrogel Blends for Image-guided Neurointerventions,” which was published in the Journal of Materials Chemistry B on June 16, 2020.

Jean Jeudy, MD, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the authors of “Imaging Modalities to Delineate Sequelae of Spontaneous Coronary Artery Dissection Managed with Percutaneous Coronary Intervention,” which was published in Cureus on April 8, 2020.

Xiaofeng Jia, BM, PhD, Professor (corresponding author); Xiang Xu, MD, PhD, Postdoctoral Fellow (first author); and co-author Thomas Mee, Medical Student, all from the Department of Neurosurgery, were authors of “New Era of Optogenetics: From the Central to Peripheral Nervous System,” which was published in the February 2020 issue of Critical Reviews in Biochemistry and Molecular Biology.

Gaurav Jindal, MD, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Transport Blood Pressures and Outcomes in Stroke Patients
• “Management of Acute Myocardial Infarction During the COVID-19 Pandemic,” a consensus statement published on behalf of the Society for Cardiovascular Angiography and Interventions, the American College of Cardiology, and the American College of Emergency Physicians in Catheterization and Cardiovascular Interventions on April 17, 2020, and in the Journal of the American College of Cardiology on April 20, 2020.

• Andrea Meredith, PhD, Professor; Jenna Harvey, PhD, Research Associate; and Amber Plante, Graduate Student, all from the Department of Physiology, published the invited review “Ion Channels Controlling Circadian Rhythms in Suprachiasmatic Nucleus Excitability,” in the October 2020 issue of Physiological Reviews.

• Timothy Miller, MD, Associate Professor; Dheeraj Gandhi, MBBS, Professor; and Gaurav Jindal, MD, Associate Professor (last author), all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the authors of “A Critical Assessment of the Golden Hour and the Impact of Procedural Timing in Stroke Thrombectomy,” which was published in the May 2020 issue of the American Journal of Neuroradiology. Separately, Dr. Gandhi was among the co-authors of “Implications of Achieving TICI 2b vs TICI 3 Reperfusion in Patients with Ischemic Stroke: A Cost-effectiveness Analysis,” which was published in the May 2020 issue of the Journal of Neurointerventional Surgery.

• Emmanuel Mongodin, PhD, Associate Professor, Department of Microbiology & Immunology, Institute for Genome Sciences, was among the co-authors of “Methotrexol Triggers Brand-Specific Shifts in The Bacterial Microbiota of Commercial Cigarette Products,” which was published in Applied Microbiology and Biotechnology on May 24, 2020.

• Christopher Morgan, PhD, Lead Research Project Coordinator and Associate Director of Epigenetic Research, Center for Epigenetic Research in Child Health and Brain Development (CERCH); Yasmine Cissé, PhD, Postdoctoral Fellow; Kathleen Morrison, PhD, Postdoctoral Fellow; Eldin Jašarevic, PhD, Research Associate and Associate Director of Research Bioinformatics, CERCH; Nickole Kanysh, Graduate Research Assistant; and Tracy Bale, PhD, Professor, Department of Pharmacology and Director, CERCH, all from the Department of Pharmacology and CERCH, along with Weiliang Huang, PhD, Postdoctoral Fellow, and Maureen Kane, PhD, Associate Professor and Director, Mass Spectrometry Center, both from the School of Pharmacy; and Seth Ament, PhD, Department of Psychiatry, and Amol Shetty, PhD, Lead Bioinformatics Software Engineer, both members of the Institute for Genome Science, were authors of “Reproductive Tract Extracellular Vesicles Are Sufficient to Transmit Intergenerational Stress and Program Neurodevelopment,” which was published in Nature Communications on March 20, 2020.

• Andrew Neuwald, PhD, Professor, Department of Biochemistry & Molecular Biology, Institute for Genome Sciences, was first author of “Obtaining Extremely Large and Accurate Protein Multiple Sequence Alignments from Curated Hierarchical Alignments,” which was published in Database (Oxford) on June 5, 2020.

• Chiara Orlandi, PhD, Research Associate, Department of Medicine, Institute of Human Virology,
was the first author of “Antigen-Induced Allosteric Changes in a Human IgG1 Fc Increase Low-Affinity Fcy Receptor Binding,” which was published in *Structure* on March 24, 2020.

- **Thomas Ptak, MD, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the authors of “ACR Appropriateness Criteria®” Suspected Upper Extremity Deep Vein Thrombosis,” which was published in the May 2020 issue of the *Journal of the American College of Radiology*; and “ACR Appropriateness Criteria®” Major Blunt Trauma,” which was published in the May 2020 issue of the *Journal of the American College of Radiology*.

- **Jacques Ravel, PhD**, Professor, Department of Microbiology & Immunology, Institute for Genome Sciences, was among the co-authors of “Complete Genome Sequences of Six Lactobacillus Iners Strains Isolated from the Human Vagina,” which was published in *Microbial Resource Announcement* on May 14, 2020.

- **Dana Roque, MD**, Assistant Professor, Department of Obstetrics, Gynecology, and Reproductive Sciences, was among the co-authors of “Randomized Phase II Trial of Carboplatin-Paclitaxel Compared With Carboplatin-Paclitaxel-Trastuzumab in Advanced (Stage III-IV) or Recurrent Uterine Serous Carcinomas That Overexpress Her2/Neu (NCT01367002): Updated Overall Survival Analysis,” which was published in *PSA Neglected Tropical Diseases* on June 1, 2020.

- **David Serre, PhD**, Associate Professor (senior author), and **Matthew Cannon, PhD**, Research Associate, both from the Department of Microbiology and Immunology, Institute for Genome Sciences, were among the co-authors of “Antigen-Induced Allosteric Changes in a Human IgG1 Fc Increase Low-Affinity Fcy Receptor Binding,” which was published in *Structure* on March 24, 2020.

- **Jacques Ravel, PhD**, Professor, Department of Microbiology & Immunology, Institute for Genome Sciences, was among the co-authors of “Comparative Genomic Analysis Provides Insight into the Phylogeny and Virulence of Atypical Enteropathogenic Escherichia Coli Strains from Brazil,” which was published in *Nature Scientific Data* on March 24, 2020.

- **Su Xu, PhD**, Associate Professor, Department of Anesthesiology, was among the authors of “Evaluation of Spodick’s Sign and Other Electrocardiographic Findings as Indicators of STEMI [ST-Segment Elevation Myocardial Infarction] and Pericarditis,” which was published in the *Journal of Emergency Medicine* on March 25, 2020.

- **Jade Wong-You-Cheong, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the authors of “ACR Appropriateness Criteria®” Hematuria,” which was published in the May 2020 issue of the *Journal of the American College of Radiology*.

- **Junfang Wu, BM, PhD**, Associate Professor, Department of Anesthesiology, was the corresponding author of “Sustained Neuronal and Microglial Alterations Are Associated with Diverse Neurobehavioral Dysfunction Long after Experimental Brain Injury,” which was published in the June 2020 issue of *Neurobiology of Disease*.

- **Su Xu, PhD**, Associate Professor, and **Rao Gullapalli, PhD, MBA** , Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the authors of “Nicotinamide Mononucleotide Administration Prevents Experimental Diabetes-Induced Cognitive Impairment and Loss of Hippocampal Neurons,” which was published in the *International Journal of Molecular Sciences* on May 26, 2020. Separately, **Drs. Xu and Gullapalli** (last author), along with **Jiachen Zhuo, PhD**, Assistant Professor, also from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Postnatal Guinea Pig Brain Development, As Revealed by Magnetic Resonance and Diffusion Kurtosis Imaging,” which was published in the June 2020 issue of *Brain Sciences*. In addition, **Dr. Gullapalli** was among the co-authors of “Vitamin D, Folate, and Cobalamin Serum Concentrations Are Related to Brain Volume and White Matter Integrity in Urban Adults,” which was published in the May 2020 issue of *Frontiers in Aging Neuroscience*.  

- **Andrew Windsor, MD**, Assistant Professor, and **Semhar Tewelde, MD**, Assistant Professor, both from the Department of Emergency Medicine, were the lead authors of “An Odontoid Fracture and Vertebral Artery Injury in Fast-Track,” which was published in *Clinical Case Reports* on May 25, 2020.

- **Michael Winters, MD**, Professor; **Amal Mattu, MD**, Professor; and **Michael Bond, MD, FACEP, FFAEM**, Associate Professor, all from the Department of Emergency Medicine, were among the authors of “Clerkships in Emergency Medicine,” which was published in *Journal of Emergency Medicine* on January 5, 2020. Separately, **Dr. Winters**, was among the discussants in the twice-monthly podcast, *Critical Care Perspectives in Emergency Medicine*, episodes:

  - “HFNC [High-Flow Nasal Cannula] in COVID-19 Patients—Helpful or Harmful?” published on May 26, 2020

- **Michael Witting, MD**, Professor; **Kami Hu, MD**, Clinical Assistant Professor; **Semhar Tewelde, MD**, Assistant Professor; and **Amal Mattu, MD**, Professor, all from the Department of Emergency Medicine, were among the authors of “Postnatal Guinea Pig Brain Development, As Revealed by Magnetic Resonance and Diffusion Kurtosis Imaging,” which was published in the *Journal of Emergency Medicine* on March 25, 2020.

- **Jiachen Zhuo, PhD**, Assistant Professor, also from the Department of Diagnostic Radiology and Nuclear Medicine, was among the authors of “Postnatal Guinea Pig Brain Development, As Revealed by Magnetic Resonance and Diffusion Kurtosis Imaging,” which was published in the June 2020 issue of *Brain Sciences*. In addition, **Dr. Gullapalli** was among the co-authors of “Vitamin D, Folate, and Cobalamin Serum Concentrations Are Related to Brain Volume and White Matter Integrity in Urban Adults,” which was published in the May 2020 issue of *Frontiers in Aging Neuroscience*.  

- **Gentry Wilkerson, MD**, Assistant Professor; **Jason Adler, MD**, Clinical Assistant Professor; and **Robert Brown, MD**, Resident, all from the Department of Emergency Medicine, were among the authors of “Silent Hypoxia: A Harbinger of Clinical Deterioration in Patients with COVID-19,” which was published in the *American Journal of Emergency Medicine* on May 21, 2020.

- **Michael Winters, MD**, Professor; **Amal Mattu, MD**, Professor; and **Michael Bond, MD, FACEP, FFAEM**, Associate Professor, all from the Department of Emergency Medicine, were among the authors of “Clerkships in Emergency Medicine,” which was published in *Journal of Emergency Medicine* on January 5, 2020. Separately, **Dr. Winters**, was among the discussants in the twice-monthly podcast, *Critical Care Perspectives in Emergency Medicine*, episodes:

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- **Jade Wong-You-Cheong, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the authors of “ACR Appropriateness Criteria®” Hematuria,” which was published in the May 2020 issue of the *Journal of the American College of Radiology*.

- **Junfang Wu, BM, PhD**, Associate Professor, Department of Anesthesiology, was the corresponding author of “Sustained Neuronal and Microglial Alterations Are Associated with Diverse Neurobehavioral Dysfunction Long after Experimental Brain Injury,” which was published in the June 2020 issue of *Neurobiology of Disease*.

- **Su Xu, PhD**, Associate Professor, and **Rao Gullapalli, PhD, MBA** , Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the authors of “Nicotinamide Mononucleotide Administration Prevents Experimental Diabetes-Induced Cognitive Impairment and Loss of Hippocampal Neurons,” which was published in the *International Journal of Molecular Sciences* on May 26, 2020. Separately, **Drs. Xu and Gullapalli** (last author), along with **Jiachen Zhuo, PhD**, Assistant Professor, also from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Postnatal Guinea Pig Brain Development, As Revealed by Magnetic Resonance and Diffusion Kurtosis Imaging,” which was published in the June 2020 issue of *Brain Sciences*. In addition, **Dr. Gullapalli** was among the co-authors of “Vitamin D, Folate, and Cobalamin Serum Concentrations Are Related to Brain Volume and White Matter Integrity in Urban Adults,” which was published in the May 2020 issue of *Frontiers in Aging Neuroscience*.  

- **Andrew Windsor, MD**, Assistant Professor, and **Semhar Tewelde, MD**, Assistant Professor, both from the Department of Emergency Medicine, were the lead authors of “An Odontoid Fracture and Vertebral Artery Injury in Fast-Track,” which was published in *Clinical Case Reports* on May 25, 2020.
Honors & Awards

Congratulations to the following who have received honors!

- Julie Frank, MS, CGC, Instructor, Department of Pediatrics, was selected as the 2020 AGCPD Outstanding Clinical Supervisor Award recipient by the University of Maryland School of Medicine Masters in Genetic Counseling Program.

- Andrea Meredith, PhD, Department of Physiology, was promoted from Associate Professor to Professor, effective July 1, 2020.

- Matthew Trudeu, PhD, Department of Physiology, was promoted from Associate Professor to Professor, effective July 1, 2020.

Appointments

We applaud our colleagues on their recent appointments!

- Thomas Blanpied, PhD, Department of Physiology, was promoted from Associate Professor to Professor, effective July 1, 2020.

- Donna Calu, PhD, Assistant Professor, Department of Anatomy and Neurobiology, joined the editorial board, in May 2020, as review editor, for Decision Neuroscience, including Frontiers in Neuroscience and Frontiers in Psychology.

- Andrea Meredith, PhD, Department of Physiology, was promoted from Associate Professor to Professor, effective July 1, 2020.

Research Communications Network

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

INSTITUTES
- Institute for Genome Sciences (IGS): Sarah Pick spick@som.umaryland.edu
- Institute of Human Virology (IHV): Nina Samarajakesa nsamarajakesa@umaryland.edu
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RESEARCH CENTERS
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