Grants & Contracts

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

- **Alan Cross, MD**, Professor, Department of Medicine, was awarded a grant in the amount of $1,178,647 from the National Institute of Diabetes and Digestive and Kidney Diseases to study intramuscular electroporation for the delivery of Plasmodium vivax and Trypanosoma cruzi antigens to healthy adults either intramuscularly or subcutaneously.

- **Kathleen Neuzil, MD, MPH**, Professor, Department of Medicine and Chief of Adult Diseases; and **Anthony Harris, MD, MPH**, Professor, Department of Epidemiology and Public Health, were among the co-authors on “A New Method for Sequencing the Hypervariable Plasmodium Falciparum Gene Var2csa From Clinical Samples” in Malaria Journal, 2017 Aug 17.


- **Antoine Daru, PhD**, a postdoctoral fellow in the Division of Malaria Research; **Mark Travassos, MD, MSC**, Assistant Professor, Department of Pediatrics; **Matthew Adams**, Research Laboratory Supervisor, the Institute for Global Health; **Sara Schaffer De Roo**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine; and **Sharon Tennant, PhD**, Professor of Medicine, Institute for Global Health, were among the authors on “Salmonella Serogroup C: Current Status of Vaccines and Why They Are Needed” in Clinical and Vaccine Immunology, 2017 Sep.

- **Sarah Jackson, MPH**, PhD Candidate (first author); **Surbhi Leekha, MBBS, MPH**, Associate Professor; **Laurence Magdes, PhD**, Professor; **Lisa Pincles, MA**, Program Director; **Kristen Stafford, PhD**, Assistant Professor; **Kerri Thom, MD**, Associate Professor; and **Anthony Harris, MD, MPH**, Professor (last author), all from the Department of Epidemiology and Public Health, were among the co-authors on “The Effect of Adding Comorbidities to Current Centers for Disease Control and Prevention Central:Line-Associated Bloodstream Infection Risk-Adjustment Methodology” in Infection Control & Hospital Epidemiology, 2017 Sep;38(9):1019-1024.

- **Edward Herskovits, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine was among the co-authors on Clinical Studies, Center for Vaccine Development, were awarded $4.68 million VTEU grant from the National Institutes of Health to test an H7N9 influenza vaccine. Separately, Dr. Neuzil was awarded two other grants: $796,429 by the Bill & Melinda Gates Foundation as a supplement for the Typhoid Vaccine Acceleration Consortium and $2,862,677 from the National Institute of Allergy and Infectious Diseases to conduct clinical trials and research on a pertussis vaccine.

- **Cindy Schaeffer, PhD**, Associate Professor, Department of Psychiatry, and **Sharon Hoover, PhD**, Associate Professor, Department of Psychiatry, received a four-year, $2,977,876 award from the National Institute of Justice as part of their Comprehensive School Safety Initiative. The award, “Evaluating Promising School Staff and Resource-Officer Approaches for Reducing Harsh Discipline, Suspensions and Arrests,” is a partnership between UMB and Cecil County Public Schools to study the impact of a comprehensive approach to improving school safety.

- **Alan Cross, MD**, Professor, Department of Medicine, was awarded a grant up to $1,197,475 from the Geneva Foundation to evaluate the safety and reactogenicity of a combination HTNV/PUUV DNA vaccine candidates delivered to healthy adults either intramuscularly or intradermal electro-poration (IM-EP).

- **Kathleen Neuzil, MD, MPH**, Professor, Department of Medicine and Chief of Adult Diseases to conduct clinical trials and research on a pertussis vaccine.

- **Elliott Drabek, PhD**, Senior Bioinformatics Software Engineer; **Sonja Agrawal, Miriam Laufer, MD**, Associate Professor of Pediatrics, Medicine, and Epidemiology & Public Health, Director of the Division of Malaria Research, and Associate Director of the Institute of Global Health; **Christopher Plowe, MD, MPH, FASTHM**, the Frank M. Calia, MD Professor of Medicine and Founding Director, Institute for Global Health; and **Joanna Silva, PhD**, Assistant Professor, Department of Microbiology and Immunology, were among the authors on “A Method for Sequencing the Hypervariable Plasmodium Falciparum Gene Var2csa From Clinical Samples” in Malaria Journal, 2017 Aug 17.

- **Junfang Wu, BM, PhD**, Associate Professor, Department of Anesthesiology and Center for Shock, Trauma and Anesthesiology Research (STAR ORC), along with **Alan Faden, MD**, the David S. Brown Professor in Trauma, Professor, Departments of Anesthesiology, Anatomy & Neurobiology, and Neurology, and **Center, Director, Center for Shock, Trauma & Anesthesiology Research (STAR ORC) and Susan Dorsey, PhD**, Associate Professor, School of Nursing, received a five-year, $2,818,594 R01 grant from the National Institute of Nursing Research (NINR) for “Spinal Mechanisms for Global Health; and Associate Director of the Institute of Global Health; and **Joanna Silva, PhD**, Assistant Professor, Department of Microbiology and Immunology, were among the authors on “A Method for Sequencing the Hypervariable Plasmodium Falciparum Gene Var2csa From Clinical Samples” in Malaria Journal, 2017 Aug 17.

- **Randi Cohen, MD, MS**, Assistant Professor, Department of Radiation Oncology, was among the co-authors on “NRG Oncology Radiation Therapy Oncology Group Study 1014: 1-year Toxicity Report From a Phase 2 Study of Repeat Breast-Preserving Surgery and 3-Dimensional Conformal Partial-Breast Irradiation for In-Breast Recurrence” in International Journal of Radiation Oncology Biology Physics, 2017 Aug 1;98(3):1028-1035.

- **Antoine Daru, PhD**, a postdoctoral fellow in the Division of Malaria Research; **Mark Travassos, MD, MSC**, Assistant Professor, Department of Pediatrics; **Matthew Adams**, Research Laboratory Supervisor, the Institute for Global Health; **Sara Schaffer De Roo**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors on “Joint SNMMI-ASNC Expert Consensus Document on the Role of 18F-FDG PET/CT in Cardiac Sarcoid Detection and Therapy Monitoring” in Journal of Nuclear Cardiology, 2017 Aug 2, and “Joint SNMMI-ASNC Expert Consensus Document on the Role of 18F-FDG PET/CT in Cardiac Sarcoid Detection and Therapy Monitoring” in Journal of Nuclear Medicine, 2017 Aug;58(8):1341-1355.

- **Rong Chen, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors on “Predictive Models of Minimal Hepatic Encephalopathy for Cirrhotic Patients Based on Large-scale Brain Intrinsic Connectivity Networks,” in Scientific Reports, 2017 Sep 14;7(1):11512.

- **Wengen Chen, MD, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors on “Creation of a Healthcare Associated Infectious Disease Reporting Laboratory Network” in the Journal of Nuclear Medicine, 2017 Sep-Oct;37(5):1537.

- **Rong Chen, PhD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Predictive Models of Minimal Hepatic Encephalopathy for Cirrhotic Patients Based on Large-scale Brain Intrinsic Connectivity Networks,” in Scientific Reports, 2017 Sep 14;7(1):11512.

Publications

Hats off to those who have been published!

- **Rong Chen, PhD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Predictive Models of Minimal Hepatic Encephalopathy for Cirrhotic Patients Based on Large-scale Brain Intrinsic Connectivity Networks,” in Scientific Reports, 2017 Sep 14;7(1):11512.

- **Wengen Chen, MD, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors on “Joint SNMMI-ASNC Expert Consensus Document on the Role of 18F-Fdg PET/CT in Cardiac Sarcoid Detection and Therapy Monitoring” in Journal of Nuclear Cardiology, 2017 Aug 2, and “Joint SNMMI-ASNC Expert Consensus Document on the Role of 18F-FDG PET/CT in Cardiac Sarcoid Detection and Therapy Monitoring” in Journal of Nuclear Medicine, 2017 Aug;58(8):1341-1355.

- **Randi Cohen, MD, MS**, Assistant Professor, Department of Radiation Oncology, was among the co-authors on “NRG Oncology Radiation Therapy Oncology Group Study 1014: 1-year Toxicity Report From a Phase 2 Study of Repeat Breast-Preserving Surgery and 3-Dimensional Conformal Partial-Breast Irradiation for In-Breast Recurrence” in International Journal of Radiation Oncology Biology Physics, 2017 Aug 1;98(3):1028-1035.

- **Antoine Daru, PhD**, a postdoctoral fellow in the Division of Malaria Research; **Mark Travassos, MD, MSC**, Assistant Professor, Department of Pediatrics; **Matthew Adams**, Research Laboratory Supervisor, the Institute for Global Health; **Sara Schaffer De Roo**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors on “Joint SNMMI-ASNC Expert Consensus Document on the Role of 18F-FDG PET/CT in Cardiac Sarcoid Detection and Therapy Monitoring” in Journal of Nuclear Medicine, 2017 Aug;58(8):1341-1355.

- Jean Jeudy, MD, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors on “Location, Variations and Predictors of Epidural Fat Mapping Using Multi-detector Computed Tomography to Assist Epidural Ventricular Tachycardia Ablation” in *Pacing Clinical Electrophysiology*, 2017 Jul 19. Dr. Jeudy was also the co-authors on “Validation of a Novel CARTOSEG” Segmentation Module Software for Contrast-enhanced Computed Tomography-guided Radiofrequency Ablation in Patients with Atrial Fibrillation” in *Pacing Clinical Electrophysiology*, 2017 Sep 13.

- Gaurav Jindal, MD, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors on “Interhospital Transfer Prior to Thrombectomy is Associated with Delayed Treatment and Worse Outcome in the STRATIS Registry” in *Circulation*, 2017 Sep 24.

- Several faculty members had articles in the August 2017 issue of *Pediatric Clinics of North America*, which focused on global infections and child health. Karen Kortlof, MD, Professor, Department of Pediatrics and Head of the Division of Pediatric Infectious Diseases and Tropical Medicine, authored “The Burden and Etiology of Diarrheal Illness in Developing Countries.” Lauren Cohee, MD, Instructor, Department of Pediatrics, and Miriam Lauffer, MD, Associate Professor of Pediatrics, Medicine, and Epidemiology & Public Health, Director of the Division of Malaria Research, and Associate Director of the Institute of Global Health co-authored “Malaria in Children.” Elizabeth Rotrosen, Clinical Research Assistant, Center for Vaccine Development, and Kathleen Neuzil, MD, MPH, Professor, Department of Medicine and Director of the Center for Vaccine Development, were co-authors on “Influenza: A Global Perspective.”

- Myron Levine, MD, DTPH, the Simon and Bessie Gromley Distinguished Professor, and Associate Dean for Global Health, Institute for Global Health, Kathleen Neuzil, MD, MPH, Professor, Department of Medicine and Director of the Center for Vaccine Development, and Karen Kortlof, MD, Professor, Department of Pediatrics, and Head of the Division of Pediatric Infectious Diseases and Tropical Medicine, were among the co-authors on “The Typhoid Vaccine Acceleration Consortium (TyVAC): Vaccine Effectiveness Study Designs: Accelerating the Introduction of Typhoid Conjugate Vaccines and Reducing the Global Burden of Enteric Fever” in *Vaccine* 2017 Aug 9. Additionally, Drs. Levine and Kortlof along with Marcelo Srinin, MD, Professor, Department of Pediatrics, were among the co-authors on “Identification of Immune Correlates of Protection in Shigella Infection by Application of Machine Learning” in the *Journal of Biomedical Informatics*, 2017 Aug 9. Separately, Dr. Levine was a co-author on “Typhoid Vaccine Development with a Human Challenge Model” in *The Lancet*, 2017 Sep 28.

- Michael Lipsky, PhD, Professor, Department of Pathology; Sunil Sen, Research Specialist; Catherine Matson, Graduate Research Assistant, and Kaitlyn Baarda-Booth, Laboratory Manager, all from the Center for Vaccine Development, Institute for Global Health; Louis DeTolla, VMD, MS, PhD, DACLAM, Professor, Department of Pathology; and Sharon Tennant, PhD, Associate Professor, Department of Medicine, were among the co-authors on “Virulence of Invasive Salmonella Typhi Ty2 ST33 in Animal Models of Infection” in *PLOS Neglected Tropical Disease*, 2017 Aug 4.

- Robert Morales, MD, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine was among the co-authors of “Intracranial Catheter Resuspension for Respiratory and Cardiorespiratory Arrest” in *Shock*, 2017 Sep 14.

- Amud Ouattara, PhD, PharmD, Research Assistant, Department of Medicine; Matt Adams, Laboratory Supervisor; Mark Travasso, MD, MS, MC, Assistant Professor, Department of Pediatrics; Matt Laurens, MD, MPH, Associate Professor, Department of Pediatrics; and Christopher Ploewe, MD, MPH, FASTMH, the Frank M. Calia, MD Professor of Medicine and Founding Director, Institute for Global Health, were among the co-authors on “Plasmodium vivax Infections Over 3 Years in Duffy Blood Group Negative Malians in Bandiagara, Mali” in the *American Journal of Tropical Medicine and Hygiene*, 2017 Jul 24.

- Elizabeth Rotrosen, Clinical Research Assistant, Center for Vaccine Development, and Kathleen Neuzil, MD, MPH, Professor, Department of Medicine, and Director of the Center for Vaccine Development, co-authored “Influenza Among Young Children in Bangladesh: Clinical Characteristics and Outcomes from a Randomized Clinical Trial” in *Clinical Infectious Diseases*, 2017 Oct 6.

- Elior Siegel, MD, Professor, and Michael Tonland, PACS Team Manager, both from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Use of Radiation Procedure Codes in Health Care: The Need for Standardization and Structure” in *Radiographics* 2017 Jul-Aug. Dr. Siegel was also a co-author on “RSNA Diagnosis Live: A Novel Web-based Audience Response Tool to Promote Evidence-based Learning” in *Radiographics*. 2017 Jul-Aug.