



## SELF-REPORTED NEWS from the SCHOOL OF MEDICINE COMMUNITY

### Events, Lectures & Workshops

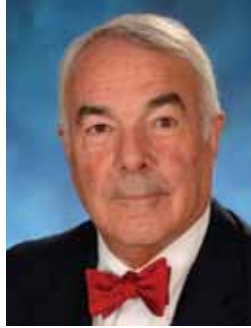
*Kudos to our colleagues who are experts in their fields and give their all to represent the School of Medicine!*



Hummira Abawai, DPM

► **Hummira Abawai, DPM**, Instructor, Department of Orthopaedics, presented “Minimally Invasive Surgery: Bunion” at the 2018 American Podiatric Medical Association’s Annual Scientific Meeting, held in Washington, DC, July 12–15.

► **Alan Cross, MD**, Professor, Department of Medicine, participated in Medical Grand Rounds on campus on June 13.



Alan Cross, MD

► **Matthew Laurens, MD, MPH**, Associate Professor of Pediatrics, Center for Vaccine Development and Global Health, presented “PfSPZ-CVac in Malian Adults: Efficacy Results from the First Field Trial” at the National Institutes of Health’s (NIH) Annual Meeting of the Vaccine and Treatment Evaluation Units, held in Rockville, MD, May 3. In addition, Dr. Laurens also presented “Safety, Tolerability and Efficacy of a Metabolically Active, Non-Replicating, Whole Organism Malaria Vaccine (PfSPZ Vaccine) in Malaria-Experienced Adults in Burkina Faso,” at the 7th



Matthew Laurens, MD, MPH

Multilateral Initiative on Malaria Conference on April 18, in Dakar, Senegal. Separately, Dr. Laurens discussed “PfSPZ-CVac in Malian Adults: Efficacy Results from the First Field Trial,” at the Annual NIH Vaccine Treatment and Evaluation Unit Conference on May 2, in Bethesda, MD.

► **Iris Lindberg, PhD**, Professor, Department of Anatomy and Neurobiology, gave a talk at the Protein Processing, Trafficking, and Secretion Gordon Conference titled “PCSK1 and proSAAS in Human Disease” in July. At this same meeting she ran the Power Hour, a special forum designed to help address the challenges women face in science and the workplace.



Iris Lindberg, PhD

► **Kathleen Neuzil, MD, MPH, FIDSA**, Professor of Medicine and Pediatrics, Director of the Center for Vaccine Development and



Kathleen Neuzil, MD, MPH, FIDSA

Global Health, presented “Influenza Biology, New Vaccines and Vaccination Strategies for Different Age Groups” and was a small group facilitator for “Decision-Making for the Evaluation and Impact Assessment of New Vaccines Introduced in Selected Countries: Safety and Effectiveness,” at the 19th Advanced Course of Vaccinology, May 7–18, at the Les Pensières Center for Global Health, France. Separately, Dr. Neuzil presented “The Value of Human Challenge Models: Lessons from Typhoid and Cholera Vaccine Development that are Relevant to Universal Influenza Vaccine Development,” BMGF Convening on Influenza Human Challenge Model for Universal Influenza Vaccine Development, in London, May 31–June 1. In addition, Dr. Neuzil and **Marcela Pasetti, PhD**, Professor, Department of Pediatrics, moderated “Maternal-infant Immunization: Clinical Implementation and Public Health Benefits,” ASM Microbe 2018, in Atlanta, GA, June 7–11.

► **Charles Simone, II, MD**, Associate Professor, Department of Radiation Oncology, presented “Applications of Proton Stereotactic Body Radiation Therapy” on April 20 at the 37th Annual Meeting of the European Society for Radiotherapy and Oncology, in Barcelona, Spain. He also was one of seven participants in the Presidential Categorical Course on May 5 at the 100th Annual Meeting of the American Radium Society in Orlando, FL. The session in which he participated was titled “Proton and Heavy Ion Therapy: Current State and Future Directions for Clinical Applications.” At the same



Charles Simone, II, MD

meeting, Dr. Simone and **Mark Mishra, MD**, Assistant Professor, also from the Department of Radiation Oncology, were among the authors of a presentation titled “Cost-Effectiveness of Proton Beam Therapy for Oncologic Management.” Dr. Simone was also a senior author on a poster: “Novel Use of Machine Learning for Predicting Radiation Pneumonitis in Locally Advanced Stage II-III Non-Small Cell Lung Cancer” at that meeting.

► Several faculty members from the Center for Vaccine Development and Global Health spoke and presented at the 2nd International Vaccines Against *Shigella* and ETEC (VASE) conference held in Mexico City in June. **Wilbur Chen, MD, MS**, Associate Professor, Department Medicine, was on the organizing committee for this important event and moderated a panel covering recent advances in clinical development and evaluations. **Karen Kotloff, MD**, Professor of Pediatrics and Associate Director of Clinical Research, Center for Vaccine Development and Global Health, spoke on a panel “About Changes in Incidence, Etiology, and Consequences of Moderate-to-Severe Diarrhea Among Children Under 5 Years in Sub-Saharan Africa: The VIDA study (GB081).” She also discussed “An Overview of the Currently Available *Shigella* Chim Models,” “How Can CHIMs Accelerate Clinical Development and Policy Pathways for Vaccines Against *Shigella*?” and “Clinical Endpoints for Studies of Enteric Vaccines in Pediatric Populations From Low and Middle



Wilbur Chen, MD, MS

Income Countries,” for the workshop titled, “Clinical Endpoints for Efficacy Studies.” **Marcela Pasetti, PhD**, Professor, Department of Pediatrics, spoke on a panel about *Shigella*-specific serum bactericidal and opsonophagocytic killing antibodies induced by oral *S. flexneri* 2a whole-cell killed and live attenuated vaccines (CL079).



Marcela Pasetti, PhD

**Marcelo Szein, MD**, Professor, Department of Pediatrics, organized and co-chaired a workshop titled “Role of

Antigen Specific T and B Cells in Systemic and Mucosal Immune Responses in ETEC and *Shigella* Infections and their Potential Serve as Correlates of Protection in Vaccine Development.” Dr. Szein and **Monica McArthur, MD, PhD**, Assistant Professor, Department of Pediatrics, also gave a talk on “Review of Mechanistic Tfh Responses Across Two Studies: ETEC Challenge and ETVCAC Vaccination. Additionally Dr. Szein and **Franklin Toanpanta, MD, PhD**, Assistant Professor, Department of Medicine, gave a talk “Review of Mechanistic Observations from *Shigella* Vaccine and Challenge Studies.”



Marcelo Szein, MD

► Several faculty and staff in the Malaria Research Program in the Center for Vaccine Development and Global Health (CVD) spoke and/or presented at the Genomic Epidemiology of Malaria conference in Cambridge, UK, June 11–13. **Mark Travassos, MD, MSc**, Assistant Professor, Department of Pediatrics, presented a poster titled “Seroreactivity to PfEMP1 DBL-a tags Reflects Malaria Exposure, But Differs from the Seroreactivity of PfEMP1 Constitutive Domains.” **Shannon Takala Harrison, PhD**, Associate Professor, Department of Medicine, chaired the Genome Variation Session. **Emily Stucke**, Medical Student, presented a poster “Comparison of RNA Enrichment Methods to Identify Var Expression in Whole Blood Clinical Samples.” **David Serre, Dr., rer, nat.**, Associate Professor, Microbiology and Immunology, Institute for Genome Science, **Katie Bradwell**, Research Fellow, and **Kara Moser, PhD**, former PhD student, also gave a talk “A Catalogue of Structural Variants in *P. falciparum* Genomes from Clinical Isolates in Malaria Endemic Regions.” **Zalak Shah**, PhD Student, gave a talk “Genome-wide Differences in *P. falciparum* Parasites in Malawian Children and Adults.”



Mark Travassos, MD, MSc

# Publications

*Hats off to those who have been published!*

► **Elizabeth Balcer-Kubiczek, MD**, Associate Professor, and **John Eley, PhD**, Associate Professor, both from the Department of Radiation Oncology, were the authors of “Secondary Malignancies in the Era of High-Precision Radiation Therapy,” published in 23rd Volume of *Critical Reviews in Oncogenesis*.



Maureen Black, PhD

► **Maureen Black, PhD**, the John A. Scholl, MD and Mary Louise Scholl, MD Professor in Pediatrics, was a co-author of “Home- and Center-based Learning Opportunities for Preschoolers in Low- and Middle-Income Countries” published in the May 2018 issue of *Child and Youth Services Review*. Dr. Black was also an author on “Examining the Obesogenic Attributes of the Family Child Care Home Environment,” published in the *Journal of Obesity* on June 10, 2018. Dr. Black along with **Bridget Armstrong, PhD**, Postdoctoral Fellow; **Yan Wang, MD, DrPH**, Associate Professor; and **Erin Hager, PhD**, Associate Professor, all from the Department of Pediatrics, were authors of “BMI and Disordered Eating in Urban, African-American, Adolescent Girls: The Mediating Role of Body Dissatisfaction,” published in the April 2018 issue of *Eating Disorders*.

► **Thomas Blanchard, PhD**, Associate Professor; **Vivekjyoti Banerjee; Steven Czinn, MD**, Professor and Chair; and **Aditi Banerjee, PhD**, Assistant Professor; all from the Department of Pediatrics; **Rena Lapidus, PhD**, Associate Professor, Department of Medicine; and **Andrea Bafford, MD**, Assistant Professor, Department Surgery, were among the co-authors of “Upregulation of RASSF1A in Colon Cancer by Suppression of Angiogenesis Signaling and Akt activation” published in July 2018 issue of *Cellular Physiology and Biochemistry*.

► **Uttam Bodanapally, MBBS**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Recent Advances in Abdominal Trauma Computed Tomography,” published in the April 2018 issue of *Seminars in Roentgenology*.



Uttam Bodanapally, MBBS

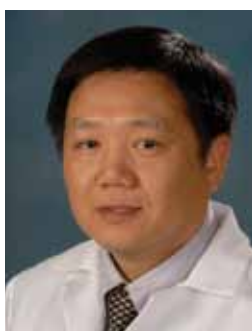
► **Rong Chen, PhD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Rich Club Disturbances of the Human Connectome from Subjective Cognitive Decline to Alzheimer’s Disease,” published in the May 2018 issue of *Theranostics*. Dr. Chen was also among the co-authors of “Effects of Restraint Manipulation on Learning-memory Ability, Visual Acuity, and Body Mass of Rats” published in the April 2018 issue of *Zhen Ci Yan Jiu* (in Chinese) and a co-author of “Disrupted Topological



Rong Chen, PhD

Organization of Brain Structural Network Associated with Prior Overt Hepatic Encephalopathy in Cirrhotic Patients,” published in the January 2018 issue of *European Radiology*.

► **Wengen Chen, MD, PhD**, Associate Professor, and **Vasken Dilsizian, MD**, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, were co-authors of “FDG PET/CT for the Diagnosis and Management of Infective Endocarditis: Expert Consensus vs Evidence-Based Practice,” published in the *Journal of Nuclear Cardiology* on August 14, 2018. In addition, Dr. Chen along with **Rao Gullapalli, PhD, MBA**, Professor, also from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “Use of PET and Other Functional Imaging to Guide Target Delineation in Radiation Oncology,” published in *Seminars in Radiation Oncology* on June 28, 2018.



Wengen Chen, MD, PhD

► **Natalie Davis, MD, MMSc**, Assistant Professor, Department of Pediatrics, was the senior author of “Post-discharge Outcomes of Failed Car Seat Tolerance Screens: A Case Control and Follow-up Study,” published in the June 2018 issue of the *Journal of Neonatal-Perinatal Medicine*.

► **Aletta Frazier, MD**, Clinical Professor, Department of Diagnostic Radiology and Nuclear Medicine, was the author of “Nonepithelial Pancreatic Neoplasms: Sarcoma versus Lymphoma,” published in the July–August 2018 issue of *Radiographics*.

► **Dheeraj Gandhi, MBBS**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “The Patient with Thunderclap Headache,” published in the August 2018

issue of *Neuroimaging Clinics of North America*.



Rao Gullapalli, PhD, MBA

► **Rao Gullapalli, PhD, MBA**, Professor; **Jade Wong-You-Cheong, MD**, Professor; and **Steven Roys, MS**, Research Associate; all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “A Supervised Learning Tool for Prostate Cancer Foci Detection and Aggressiveness Identification using Multiparametric Magnetic Resonance Imaging/Magnetic Resonance Spectroscopy Imaging,” published in *Cancer Informatics* on July 10, 2018.

► **Edward Herskovits, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Multicenter Research Studies in Radiology,” published in the January 2018 issue of *Academic Radiology*.



Edward Herskovits, MD

► **Julio Jauregui, MD**, Resident, Department of Orthopaedics, was a co-author of “Accuracy of Distal Femoral Valgus Deformity Correction: Fixator-Assisted Nailing vs Fixator-Assisted Locked Plating,” published in the *American Journal of Orthopedics* in June 2018. In addition, Dr. Jauregui and **Neil Sardesai, MD**, Resident; **R. Frank Henn III, MD**, Associate Professor, and **Farshad Adib, MD**, Assistant Professor; all from the Department of Orthopaedics, were among the co-authors of “Unicompartmental Knee Arthroplasty for Spontaneous Osteonecrosis of the Knee: A Meta-Analysis,” published in the February 2018 issue of the *Journal of Orthopaedic Surgery*.

► **Jean Jeudy, MD**, Associate Professor; **Mark Smith, PhD**, Associate Professor; **Wengen Chen, MD, PhD**, Associate Professor; and **Vasken Dilsizian, MD**, Professor; all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “VT Substrate Characteristics: Insights from Multi-modality Structural and Functional Imaging of the VT Substrate Using CMR Scar, 123I-mIBG-SPECT Innervation and Bipolar Voltage,” published in the *Journal of Nuclear Medicine* on June 29, 2018. Drs. Dilsizian and Smith were also among the co-authors of “The Effect of Time-of-flight and Point Spread Function Modeling on 82Rb Myocardial Perfusion Imaging of Obese Patients,” published in the *Journal of Nuclear Cardiology* on June 15, 2018.



Gaurav Jindal, MD

► **Gaurav Jindal, MD**, Associate Professor; **Timothy Miller, MD**, Assistant Professor; and **Dheeraj Gandhi, MBBS**, Professor; all from the Department of Diagnostic Radiology and Nuclear Medicine, were among the co-authors of “A Sustained Systemic Inflammatory Response Syndrome is Associated with Shunt-dependent Hydrocephalus after Aneurysmal Subarachnoid Hemorrhage,” published in the *Journal of Neurosurgery* on June 29, 2018. Dr. Jindal was also a co-author, along with **Ranyah Almardawi, MBBS**, Senior Research Specialist, of “Wide-neck Bifurcation Aneurysms of the Middle Cerebral Artery and Basilar Apex Treated by Endovascular Techniques: a Multi-centre, Core Lab Adjudicated Study Evaluating Safety and Durability of Occlusion (BRANCH),” published in the *Journal of Neurointerventional Surgery* on June 1, 2018.

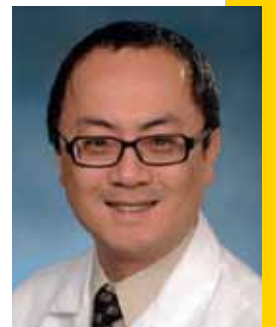
► **Kimia Kani, MD**, Assistant Professor, Department of Diagnostic Radiology and Nuclear Medicine, was first author of “Fragility Fractures of the Proximal Femur: Review and Update for Radiologists,” published in *Skeletal Radiology* on June 29, 2018.

► **Young Kwok, MD**, Associate Professor, Department of Radiation Oncology, was among the authors of “Association of MGMT Promoter Methylation Status with Survival Outcomes in Patients with High-Risk Glioma Treated with Radiotherapy and Temozolomide: An Analysis from the NRG Oncology/RTOG 0424 Trial,” e-published in *JAMA Oncology* on June 28, 2018. Dr. Kwok



Katja Langen, PhD

was also among the authors of “An Update from the Pediatric Proton Consortium Registry,” published in the *Frontiers in Oncology* on May 24, 2018.



Young Kwok, MD

► **Katja Langen, PhD**, Assistant Professor, and **Mingyao Zhu, PhD**, Assistant Professor,

## Publications *continued*

both from the Department of Radiation Oncology, were the authors of “Concepts of PTV and Robustness in Passively Scattered and Pencil Beam Scanning Proton Therapy,” published in the June 2018 issue of *Seminars in Radiation Oncology*.

► **Matthew Laurens, MD, MPH**, Associate Professor of Pediatrics and Medicine, Center for Vaccine Development and Global Health, co-authored “A Targeted Approach for Routine Viral Load Monitoring in Malawian Adults on Antiretroviral Therapy,” published in *Tropical Medicine and International Health* on March 5, 2018. In addition, Dr. Laurens co-authored “Children with Cerebral Malaria or Severe Malarial Anaemia Lack Immunity to Distinct Variant Surface Antigen Subsets” published in *Scientific Reports* on April 19, 2018. Dr. Laurens also co-authored “Human Challenge Trials in Vaccine Development,” published in *Biologicals* on March 2, 2018.



Arezoo Modiri, PhD

► **Arezoo Modiri, PhD**, Assistant Professor; **Santanu Samanta, MD, MBBS**, Resident; and **Amit Sawant, PhD**, Associate Professor; all from the Department of Radiation Oncology, were among the authors of “Virtual Bronchoscopy-Guided Treatment Planning to Map and Mitigate Radiation-Induced Airway Injury in Lung SABR,” e-published in the *International Journal of Radiation Oncology, Biology, Physics* on May 2, 2018.

► **Pranshu Mohindra, MD**, Assistant Professor, and **Mark Mishra, MD**, Associate Professor, both from the Department of Radiation Oncology, were among the authors of “How Histopathologic Tumor Extent and Patterns of Recurrence Data Inform the Development of Radiation Therapy Treatment Volumes in Solid Malignancies,” published in the June 2018 issue of *Seminars in Radiation Oncology*.

► **Nathan O’Hara, MHA**, Research Associate; **Gerard P. Slobogean, MD, MPH**, Assistant Professor; and **Robert O’Toole, MD**, the Hansjörg Wyss Medical Foundation Endowed Professor in Orthopaedic Trauma; all from the Department of Orthopaedics, were among the co-authors of “Orthopaedic Trauma Association Annual Meeting Program Committee: Analysis of Impact of Committee Size and Review Process on Abstract Acceptance,” published in the May 2018 issue of the *Journal of Orthopaedic Trauma*.

► **Robert O’Toole, MD**, the Hansjörg Wyss Medical Foundation Endowed Professor in Orthopaedic Trauma, and **Theodore Manson, MD**, Associate Professor, both from the Department of Orthopaedics, were among the co-authors of “Intraoperative Vancomycin Powder Reduces *Staphylococcus aureus* Surgical Site Infections and Biofilm

Formation on Fixation Implants in a Rabbit Model,” published in the May 2018 issue of the *Journal of Orthopaedic Trauma*.

► **Hussin Rothan, PhD**, Postdoctoral Fellow, Center for Biomedical Engineering & Technology, was the first author and the corresponding author of “Zika Virus and the Metabolism of Neuronal Cells,” published in *Molecular Neurobiology* on July 25, 2018.

► **Marcus Sciadini, MD**, Professor; **Robert O’Toole, MD**, the Hansjörg Wyss Medical Foundation Endowed Professor in Orthopaedic Trauma; and **Raymond Pensy, MD**, Associate Professor; all from the Department of Orthopaedics, were among the co-authors of “Is Prescribed Lower Extremity Weight-Bearing Status After Geriatric Lower Extremity Trauma Associated with Increased Mortality?” published in the February 2018 issue of *Injury*. In addition, Drs. Sciadini, O’Toole, Pensy, along with **W. Andrew Eglseder, MD**, Professor, also from the Department of Orthopaedics, were co-authors of “What is the Ideal Starting Point for an Olecranon Screw? An Anatomic Cadaveric Study,” published in the June 2018 issue of the *Journal of Orthopaedic Trauma*.



Marcus Sciadini, MD

► **Charles Simone, II, MD**, and **Amit Sawant, PhD**, both Associate Professors from the Department of Radiation Oncology, were the authors of “Margins and Uncertainties in Radiation Oncology,” published in the June 2018 issue of *Seminars in Radiation Oncology*. Dr. Simone was also among the authors of “Disparities in Perioperative Radiation Therapy Use in Elderly Patients with Soft-Tissue Sarcoma,” e-published in the *International Journal of Radiation Oncology, Biology, Physics* on May 14, 2018. In addition, Dr. Simone was among the authors of “Cardiac Mortality in Limited-Stage Small Cell Lung Cancer,” e-published in *Radiotherapy and Oncology* on June 19, 2018.

► **Charles White, MD**, Professor, Department of Diagnostic Radiology and Nuclear Medicine was among the co-authors of “Blunt Cardiothoracic Trauma: Common Injuries and Diagnosis,” published in *Seminars* in the April 2018 issue of *Roentgenology*. Additionally, Dr. White was among the co-authors of “Extrapulmonary Neoplasms in Lung Cancer Screening,” published in the June 2018 issue of *Translational Lung Cancer Research*.

► **Su Xu, PhD**, Associate Professor, Department of Diagnostic Radiology and Nuclear Medicine, was among the co-authors of “Diminished Gallbladder Filling, Increased Fecal Bile Acids, and Promotion of Colon Epithelial Cell Proliferation and Neoplasia in Fibroblast Growth Factor 15-Deficient Mice,” published in the May 2018 issue of *Oncotarget*.



Su Xu, PhD

## New Faculty

*We welcome our new faculty!*



Dario Rodrigues, PhD

► **Dario Rodrigues, PhD**, joined the Department of Radiation Oncology in June 2018 as an Assistant Professor in the Division of Translational Radiation Sciences. He has a PhD in biomedical engineering from a collaboration between the New University of Lisbon (Portugal) and Duke University (Durham, NC). He obtained a postdoctoral

fellowship and completed his thermal oncology physics training at Thomas Jefferson University in Philadelphia. As a thermal therapy physicist, Dr. Rodrigues performs adjuvant hyperthermia treatments that are combined with chemo- or radiotherapy in cancer patients. He also implements treatment planning, thermal dosimetry, and quality assurance of clinical microwave hyperthermia equipment. His research involves both development of improved microwave applicators and new hyperthermia treatment planning strategies.

## Honors & Awards

*Congratulations to the following who have received honors!*

► **Brian Johnson, OTR/L**, Occupational Therapist, Department of Physical Therapy and Rehabilitation Science, received a travel award sponsored by The National Science Foundation to participate in the Progress in Motor Control Student-Faculty workshop at Penn State University, July 23–25. The workshop was part of the Progress in Clinical Motor Control: Neurorehabilitation Conference. At the conference, Brian presented a poster on July 24, with **Kelly Westlake, PhD, MSc, PT**, Assistant Professor, also from the Department of Physical Therapy and Rehabilitation Science, titled “Targeted Memory Reactivation During a Daytime Nap to Enhance Non-paretic Arm Skill Performance in Older Adults with Chronic Stroke.”

► **Aikaterini Kontrogianni-Konstantopoulos, PhD**, Professor, Department of Biochemistry and Molecular Biology, was awarded the Dr. Patricia Sokolove Outstanding Mentor Award at the Graduate

School’s Doctoral Hooding Ceremony in May. The Graduate Student Association established the Dr. Patricia Sokolove Outstanding Mentor Award to honor those who put forth great effort in aiding and mentoring graduate students. Dr. Kontrogianni was nominated by her students.

► **Thanh Pham, PhD**, Postdoctoral Fellow, Center for Vaccine Development and Global Health, was awarded to the Infectious Diseases (ID) Fellows Programs at the ASM Microbe 2018 in Atlanta, GA, June 7–11. In this meeting, Pham gave both oral and poster presentations titled “Over-Expression of Lipid A Deacylase PagL Improves Delivery of Protective Antigens from Attenuated *Salmonella* Typhi Live Carrier Vaccines Through Mediating Hypervesiculation.”



Aikaterini Kontrogianni-Konstantopoulos, PhD

# Grants & Contracts

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



Xuefang Cao, PhD

► **Xuefang Cao, PhD**, Associate Professor, Department of Microbiology and Immunology, received a four-year \$586,090 grant from the National Institutes of Health (NIH) for “CD27/CD70 Mediated Negative Regulation of Inflammatory T Cell Responses.”

► Co-Principal Investigators **Linda Chang, MD, MS**, Professor, and **Edward Herskovits, MD**, Professor, both from the Department of Diagnostic Radiology and Nuclear Medicine, received a two-year NIH R21 \$424,875 grant from the National Institute of Neurological Disorders and Stroke (NINDS/NIH) for “Machine Learning to Generate a Multivariate Model of Brain Injury in HIV Patients.”

► **Lauren Cohee, MD**, Instructor of Pediatrics, Center for Vaccine Development and Global Health, was awarded a five-year \$940,224 grant from the National Institute of Allergy and Infectious Diseases (NIAID/NIH) to study the impact of *Plasmodium falciparum* diversity on transmission reducing immunity.

► **Isabel Jackson, PhD**, Associate Professor, Department of Radiation Oncology, is the principal investigator of a \$84,635 subcontract with the University of Maryland Baltimore County, on a Defense Advanced Research Projects Agency for “CASTing biologics on-demand.”

► **Mike Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor of Medicine and Associate Dean for Global Health, Vaccinology and Infectious Diseases, was awarded a three-year \$1,499,999 grant from the Bill and Melinda Gates Foundation for “Strengthening Typhoid Surveillance and Microbiological Lab Capacity in Samoa.”

► **Jay Magaziner, PhD, MSHyg**, Professor and Chair; **Ann Gruber-Baldini, PhD**, Professor; and **Denise Orwig, PhD**, Associate Professor; all from the Department of Epidemiology & Public Health, received continued funding for “Research Training in the Epidemiology of Aging.” Funding will provide an additional \$1,709,305 in total costs over the next five years.



Isabel Jackson, PhD

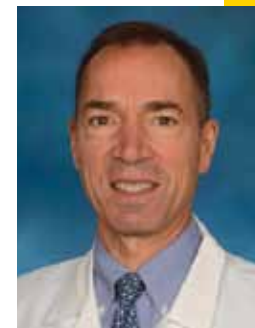
► **Kathy Neuzil, MD, MPH, FIDSA**, Professor of Medicine and Pediatrics, Director of the Center for Vaccine Development and Global Health, and **Marcelo Szein, MD**, Professor of Pediatrics and Associate Director for Translational Research, Center for Vaccine Development and Global Health, were awarded a five-year \$1,700,000 grant from the National Institute of Allergy and Infectious Diseases (NIAID/NIH) for the T-32 Fellowship Training Program in Vaccinology.

► **Nicholas Stamatatos, MD, PhD**, Assistant Professor of Medicine, Institute of Human Virology, was awarded an R01 from the National Institute of Allergy and Infectious Diseases (NIAID/NIH) in the amount of \$2,562,639 over five years to conduct research on the “Influence of Polysialic Acid on Leukocyte Migration.” This grant was awarded under the High Priority Immunology Grants program and aims to understand how a specific carbohydrate modification on the surface of cells of the immune system influences the function of these cells during states of inflammation and infection.

► **O. Colin Stine, PhD**, Professor, Department of Epidemiology & Public Health, received \$49,000 from by Innovate Biopharmaceuticals for “Compositions and Methods for Treating or Preventing Environmental Enteropathy.”

► **Zeljko Vujaskovic, MD, PhD**, Professor, and **Isabel Jackson, PhD**, Associate Professor, both from the Department of Radiation Oncology, received a \$3,299,555 contract award from the Biomedical Advanced Research and Development Authority for “RTOR1007: Evaluation of Coagulation Pathway Targeting Drugs in the Minipig Model of ARS.”

► **David Weber, PhD**, Professor, Department of Biochemistry and Molecular Biology received a \$1,400,000 grant from the National Institute of Standards and Technology (NIST) for a cryoEM. The purchase was cost-shared with the School of Medicine, MPower, and University of Maryland, and will include a sample/grid prep labs in Health Sciences Facility (HSF III) and in the University of Maryland’s Institute for Bioscience and Biotechnology Research in Rockville.



Nicholas Stamatatos, MD, PhD

# Patents

*We applaud the innovators among us!*

► **Stefanie Vogel, PhD**, Professor, and **Katharina Richard, PhD**, Research Associate, both from the Department of Microbiology and Immunology, were awarded US patent #10,017,545 “Compositions and Vaccines Comprising Vesicles and Methods of Using the Same,” issued July 10, 2018.



Stefanie Vogel, PhD

## HOW TO SUBMIT INFORMATION TO THE **Buzz**

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

**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?***

### DEPARTMENTS

- **Anatomy & Neurobiology:** Leslie Fitzpatrick | lfitzpatrick@som.umaryland.edu
- **Anesthesiology:** Candace Gaphardt | cgaphardt@som.umaryland.edu
- **Biochemistry & Molecular Biology:** Qun Zhou | qzhou@som.umaryland.edu
- **Dermatology:** Laurie Timberlake | ltimberlake@som.umaryland.edu  
Betsy Satosky | fsatosky@som.umaryland.edu
- **Diagnostic Radiology & Nuclear Medicine:** Brigitte Pocta | bpocta@umm.edu
- **Emergency Medicine:** Linda Kesselring | lkesselring@em.umaryland.edu
- **Epidemiology & Public Health:** Hannah Andrews | handrews@som.umaryland.edu
- **Family & Community Medicine:** Cathy Malecki | CathyMalecki@som.umaryland.edu  
Erinn Smith | ErSmith@som.umaryland.edu
- **Medicine:** Molly Lutz | mlutz@medicine.umaryland.edu
- **Microbiology & Immunology:** Cecilia Lizer | clizer@som.umaryland.edu
- **Neurology:** Penelope Birkhead | pbirkhead@som.umaryland.edu

- **Neurosurgery:** India Griffin | igriffin@som.umaryland.edu
- **OB-GYN:** Robin Kissinger | rkissinger@fpi.umaryland.edu
- **Ophthalmology:** Amy Kopec | akopec@som.umaryland.edu
- **Orthopaedics:** Dori Kelly | dkelly@umoa.umm.edu
- **Otorhinolaryngology:** Zubair Ahmed | zahmed@som.umaryland.edu
- **Pathology:** Lisa Rodgers | LiRodgers@som.umaryland.edu
- **Pediatrics:** Denise Hansen | dhansen@som.umaryland.edu
- **Pharmacology:** Shalon Edwards | NEdwards@som.umaryland.edu
- **Physical Therapy & Rehabilitation Science:** Donna Bethke | dbethke@som.umaryland.edu
- **Physiology:** Marty Lind | mlind@som.umaryland.edu
- **Psychiatry /BSRCU:** Lisa Cleary | lcleary@psych.umaryland.edu
- **Radiation Oncology:** Nancy Knight | nknight@umm.edu
- **Surgery:** Michele Mehrling | mmehrling@smail.umaryland.edu

### INSTITUTES

- **Institute for Genome Sciences (IGS):** Sarah Pick | spick@som.umaryland.edu  
Riham Keryakos | rkeryakos@som.umaryland.edu
- **Institute of Human Virology (IHV):** Nora Samarayanake | nsamarayanake@ihv.umaryland.edu
- **Institute for Clinical & Translational Research (ICTR):** Meriem Gaval Cruz | meriem.gavalcruz@umaryland.edu

### RESEARCH CENTERS

- **Center for Biomedical Engineering and Technology (BioMet):** Pamela Wright | pbwright@umaryland.edu
- **Center for Integrative Medicine:** Rebekah Owens | rowens@som.umaryland.edu
- **Center for Stem Cell Biology:** Evets Morgan | emorgan@som.umaryland.edu
- **Center for Vaccine Development and Global Health:** Leslie Jamka | ljamka@som.umaryland.edu  
Joanne Morrison | jmorrison@som.umaryland.edu
- **Center for Vascular & Inflammatory Diseases:** Yan Sun | yansun@som.umaryland.edu
- **Center for Innovative Biomedical Resources (CIBR):** Thomas McHugh | tmchugh@som.umaryland.edu
- **Center for Research on Aging:** Hannah Andrews | handrews@som.umaryland.edu
- **Center for Shock, Trauma and Anesthesiology Research (STAR-ORC):** Gabriela Felton | gfelton@anes.umm.edu

### RESEARCH PROGRAMS

- **Program in Comparative Medicine:** Deborah Sanchez | dsanchez@umaryland.edu
- **Program in Genetics & Genomic Medicine:** Ruth Cosentino | rcosenti@som.umaryland.edu

- **Program in Health Disparities and Population Health:** Kate Tracy | ktracy@som.umaryland.edu
- **Program in Neuroscience:** Georgia Rogers | grogers@som.umaryland.edu
- **Program in Oncology:** Kelli Carroll | kcarroll1@umm.edu
- **Program in Trauma:** Betsy Burcham | bburcham@umm.edu

### ACADEMIC PROGRAMS

- **Graduate Programs in Life Sciences (GPILS):** Sharron Graves | sgraves@som.umaryland.edu
- **Medical Scientist Training Program (MSTP):** Jane Bacon | jbacon@som.umaryland.edu
- **MD Admissions:** Mickey Foxwell | mfoxwell@som.umaryland.edu
- **Medical & Research Technology:** Cynthia Stambach | cstambach@som.umaryland.edu
- **Masters of Public Health (MPH):** Kara Longo | klongo@som.umaryland.edu

### ADMINISTRATIVE UNITS

- **Development:** TBD
- **Faculty Affairs:** Robertha Simpson | rsimpson@som.umaryland.edu
- **Information Services:** Sharon Bowser | sbowser@som.umaryland.edu
- **Research Career Development:** Stacie Mendoza | smendoza@som.umaryland.edu
- **Student Affairs:** Reetta Gach | rgach@som.umaryland.edu
- **Student Research:** Jean Marie Roth | jroth@som.umaryland.edu