



what's the buzz?

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!



Maureen Black, PhD

► **Maureen Black, PhD**, the John A. Scholl, MD, and Mary Louise Scholl, MD, Professor in Pediatrics, Department of Pediatrics, presented "Strategies to Enhance Early Child Development" at the National Forum on the State of the Ugandan Child in Kampala, Uganda, on October 27, and "Early Childhood Education: Investing Early for Success in School" at the Basic Education Coalition in Washington, DC, on November 6.

► **Kenneth Butler, DO**, Associate Professor, and **Mimi Lu, MD, MS**, Clinical Assistant Professor, both from the Department of Emergency Medicine, were faculty members for the 2015 Scientific Assembly, sponsored by the American College of Osteopathic Emergency Physicians, in Orlando in October. Dr. Butler presented lectures on airway management and head/neck trauma and led breakout sessions on the topics of surgical airways and massive transfusion.

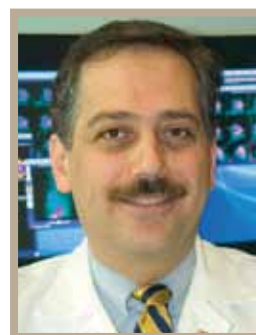
Dr. Lu presented a lecture focused on updates in pediatric emergency medicine and led breakout sessions on pediatric cardiology and pediatric "tricks of the trade."

► **Scott Devine, PhD**, Associate Professor of Medicine, Institute for Genome Sciences, was invited to a one-day workshop in Rockville, MD on September 25, hosted by the National Cancer Institute at the NIH, to discuss "The Role of Mobile Elements in Human Cancers." The meeting was held to develop a new request for applications (RFA) in this area. Dr. Devine was a moderator and led the discussion of a panel during this workshop. He also hosted an international one-day



Scott Devine, PhD

meeting for the 1000 Genomes Structural Variation Group at the University of Maryland Biopark on October 5. This was a satellite meeting of the American Society of Human Genetics Annual Meeting that was held in Baltimore that week. He was also an invited speaker for the National Academy of Medicine Annual Meeting in Washington DC, on October 19.



Vasken Dilsizian, MD

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, presented cardiology grand rounds at Boston Medical Center, Boston University School of Medicine, in Boston, MA, on October 14. His topic was "Controversies in Myocardial Viability; Past, Present, and Future." He also presented "Imaging in CAD: Where Are We with PET?" at the American Heart Association Scientific Sessions in Orlando, FL, on November 9.

► **Erin Hager, PhD**, Assistant Professor, Department of Pediatrics, gave the invited keynote address "Healthy Food in Schools: Science and Politics" at the Bowie State University Fifth Annual Food Day Symposium on October 23. She also was invited to present two lectures as part of the 2015 Epidemiology Course Series offered by the Food and Drug Administration on October 27: "Multidisciplinary Nature of Nutritional Epidemiology" and "Factors Affecting Dietary Exposures: Built Environment."

► **Gary Fiskum, PhD**, the M. Jane Matjasko Professor for Research in Anesthesiology, Department of Anesthesiology,



Erin Hager, PhD

EVENTS, LECTURES & WORKSHOPS *continued*



Gary Fiskum, PhD

presented “Strategic Use of Oxygen During Neurocritical Care after Brain Injury” at the University of Kentucky School of Medicine on October 8.

► **Douglas Floccare, MD, MPH**, Clinical Assistant Professor, Department of Emergency Medicine, was a keynote speaker at the 2015 Shanghai International Forum of Urban Safety & Disaster Medical Rescue, sponsored by the Chinese Society of Disaster Medicine and held in Shanghai, China from October 23–25, 2015. His topic was “Integration of Public Service Helicopter EMS into the Healthcare System: An Overview of the Maryland Statewide Medevac Program.”

► **Michelle Giglio, PhD**, Associate Professor of Medicine, Institute for Genome Sciences, organized the Prokaryotic Comparative Genomics Workshop, held September 29–October 1, and the Introduction to Genomics & Bioinformatics Workshop, held November 2–6, both at the Institute for Genome Sciences.

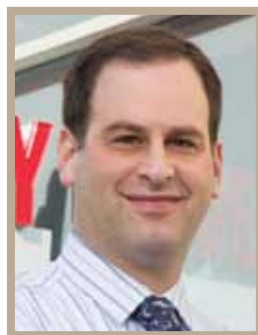
► **Benjamin Lawner, DO, MS, EMT-P**, Assistant Professor, Department of Emergency Medicine, presented “Where We Are with RSI:

Through the Glottic Opening” at the 36th Annual Virginia EMS

Symposium, held in Norfolk in mid-November. This conference brings together more than 1500 emergency medical services providers from across the state to earn continuing education credits and review recent advances in prehospital care.

► **Joshua Lewis, PhD**, Assistant Professor of Medicine, Program for Personalized and Genomic Medicine, presented “Integration of Omics Approaches Reveals Novel Insights into Antiplatelet Therapy Response” at the Mayo Clinic Individualizing Medicine 2015 Conference in Rochester, MN on September 23.

► **Philip Mackowiak, MD, MACP**, Professor Emeritus, Department of Medicine



Benjamin Lawner, DO, MS, EMT-P



Philip Mackowiak, MD, MACP

and the Carolyn Frenkil and Selvin Passen History of Medicine Scholar-in-Residence, and **Jeffrey Hasday, MD**, Professor, Department of Medicine, hosted a webinar on “Thermoregulation and Fever” for the Immune Deficiency Foundation on October 29. Approximately 150 patients and/or parents of patients tuned in from all over the country.

► **Amal Mattu, MD**, Professor, Department of Emergency Medicine, presented the keynote address “Managing Cardiac Arrest:

2015 and Beyond” at the Scientific Conference sponsored by the Emirates Society of Emergency Medicine, held in Abu Dhabi in early December. During the conference, he also presented lectures on “Myocardial Infarction in the Presence of Left Bundle Branch Block” and “CT Angiography for the Diagnosis of Acute Coronary Syndromes.” In addition, he led an 8-hour pre-conference Advanced ECG Workshop that covered cardiac ischemia, ischemia mimics/confounders, and dysrhythmias.



Andrea Meredith, PhD

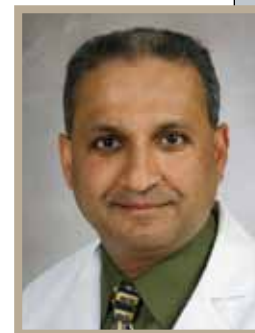
► **Andrea Meredith, PhD**, Associate Professor, Department of Physiology, presented “New Approaches to Understanding How the Hypothalamus Controls Adaptive and Integrative Behavior: A Biophysical Mechanism that Gates Daytime Excitability in the Circadian Clock” at the Society for Neuroscience meeting in Chicago in October. She also gave an invited seminar on “Big Time for BK: Mechanisms of Circadian Rhythm in Neuronal Activity”

at The University of Colorado Anschutz Medical Campus in November.

► **Kevin Pereira, MD**, Professor, Department of Otorhinolaryngology-Head and Neck Surgery, gave a



Amal Mattu, MD



Kevin Pereira, MD

EVENTS, LECTURES & WORKSHOPS *continued*

course on “Diseases of the Tonsils and Adenoids—What is New?” at the American Academy of Otolaryngology-Head and Neck Surgery meeting in Dallas. He also was the moderator on the “Difficult Pediatric Airway Panel” at the Caribbean Pediatric Otolaryngology Conference, held in San Juan, PR, from October 16–18.

► **Christopher Plowe MD, MPH, FASTMH**, Professor, Department of Medicine and Founding Director, Institute for Global Health, presided over the 64th Annual Meeting 2015 of the American Society of Tropical Medicine and Hygiene (ASTMH), held October 25–29, in Philadelphia, PA. Dr.

Plowe also delivered the ASTMH Presidential address on October 28 entitled “Tropical Medicine: In War & Peace.”

► **David Rasko, PhD**, Associate Professor of Microbiology & Immunology, Institute for Genome Sciences, presented “Integration of ‘Omics Technologies Into the Development of the Next Generation of Vaccines” at the American Society of Tropical Medicine and Hygiene (ASTMH) in Philadelphia, PA, on October 28.

► **Jacques Ravel, PhD**, Professor of Microbiology & Immunology, and Associate Director, Genomics, Institute for Genome Sciences, co-chaired Session 2: Microbiota Signature & Predictive Medicine, at the 3rd World Congress on Targeting Microbiota, held at the Institut Pasteur in Paris, France, on October 22. Dr. Ravel also gave a presentation on “The Interaction Between the Host, the Vaginal Microbiota and Sexually Transmitted Infections.”

► **Horea Rus MD, PhD**, Professor, Department of Neurology, presented “RGC-32 As a Potential Biomarker of Relapse and Response to Treatment With Glatiramer Acetate in Multiple



Christopher Plowe, MD, MPH, FASTMH

Sclerosis” at the World Congress of Neurology held in Santiago, Chile, in November.

► **Henry Silverman, MD, MA**, Professor, Department of Medicine presented “Ethical Issues Involved with Gene-Splitting Technologies—What Should Be the Regulatory Response?” at a workshop on The Ethics of Gene Splicing and Gene Editing, sponsored by the Bibliotheca Alexandrina and held at the Institut d’Egypte in Cairo, Egypt on October, 15.

► **Emerson Wickwire, PhD, ABPP, CBSM, FAASM**, Assistant Professor, Departments of Psychiatry and Medicine, served on the faculty of Conference by The Sea, the annual conference of the Maryland and DC Respiratory Societies, held in Ocean



Emerson Wickwire, PhD, ABPP, CBSM, FAASM

City, MD, September 16–18. His presentation was titled “Patient Compliance Without Violence: How to Motivate Your Patients to Change Their Behavior.” He also presented an invited lecture on “Sleep Medicine: What Every Health Psychologist Needs to Know” to health psychology graduate students at UMBC on October 14; did Pulmonary Grand Rounds on “The ABCs of CBTs: Cognitive-Behavioral Treatments for Insomnia” at Georgetown University

Hospital on October 21; and presented the keynote address “Building the Resilient Organization: Sleep and Corporate Health” at the Mainline Health Sleep Technology Conference in Malvern, PA, on November 6.

► More than 50 papers were presented by members of the faculty of the **Department of Radiation Oncology** at the annual meeting of the American Society for Radiation Oncology (ASTRO), held October 18–21, in San Antonio, TX. The department was also well-represented at the Annual Meeting of the Mid-Atlantic Chapter of the American Association of Physicists in Medicine, held October 2–3 in Baltimore MD. A complete list of all their posters and presentations from both events is available for download via the online version of *The Buzz*.



Horea Rus MD, PhD



Henry Silverman, MD, MA



David Rasko, PhD



Jacques Ravel, PhD

NEW FACULTY



We welcome our new faculty!

- **Helena Crowley, MD, PhD**, was appointed as an Assistant Professor in the Department of Surgery last May. Dr. Crowley was previously an Assistant Professor in the Department of Surgery and Pediatrics at Drexel University College of Medicine in Philadelphia, PA.
- **Tanya Flohr, MD**, was appointed as an Assistant Professor in the Department of Surgery last July. Dr. Flohr was previously a Clinical Fellow, Vascular & Endovascular Surgery, at the University of Virginia Health System in Charlottesville, VA.



Zachary Kon, MD

- **Zachary Kon, MD**, was appointed as an Assistant Professor in the Department of Surgery last July. Dr. Kon was the first graduate of the integrated Cardiothoracic Surgery Residency Program at the University of Maryland Medical Center, which is one of the first established in the United States with a comprehensive six-year curriculum that accepts trainees directly from medical school.

- **Areck Ucuzian, MD, PhD**, was appointed as an Assistant Professor in the Department of Surgery last August. Dr. Ucuzian was previously a Vascular Surgery Fellow at the University of Pittsburgh Medical Center in Pittsburgh, PA. Dr. Ucuzian has research interests that include understanding the molecular mechanisms underlying aortic dissection, studying new blood vessel growth, and tissue engineering blood vessels.



Areck Ucuzian, MD, PhD

- **Soo Yi, MD**, was appointed as an Assistant Professor in the Department of Surgery last August. Dr. Yi was previously an Instructor in Clinical Surgery in the Department of Surgery at Columbia University College of Physicians and Surgeons in New York, NY.



Soo Yi, MD

HONORS & AWARDS



Congratulations to the following who have received honors!

- **Krystal Archer-Arroyo, MD**, Assistant Professor, Department of Diagnostic Radiology & Nuclear Medicine, earned a Certificate of Achievement from The Academy of Radiology Leadership and Management (ARLM). According to ARLM, "This achievement recognizes [the recipients'] dedication to gaining the knowledge and skills essential to serving as a leader in their practice or institution."

- **Kenneth Butler, DO**, Associate Professor, Department of Emergency Medicine, was the 2015 recipient of the Janice A. Wachtler Educator of the Year Award from the American College of Osteopathic Emergency Physicians (ACOEP). The award, named in honor of the organization's first executive director, recognizes Dr. Butler's contributions to the education of residents at the University of Maryland, his dedication to medical education on a worldwide basis, and his support of continuing medical education within ACOEP and other emergency medicine associations. The award was presented during ACOEP's Scientific Assembly in Orlando in late October.

- **Curt Civin, MD**, Associate Dean for Research, Director of the Center for Stem Cell Biology & Regenerative Medicine, and Professor of Pediatrics and Physiology, was selected to receive the 2015 American Society of Hematology Mentor Award, which was presented at the ASH Annual Meeting in December 2015.



Curt Civin, MD

- **Robert Gallo, MD**, The Homer & Martha Gudelsky Distinguished Professor of Medicine and Director, Institute of Human Virology, received the 2015 Leonardo da Vinci Award from the Italian Heritage and Culture Committee-NY, Inc., in recognition of his career in science. The award is named in honor of Leonardo da Vinci, the legendary Italian Renaissance polymath, who was a painter, sculptor, architect, musician, scientist, and more, and who has been described as the archetype of the Renaissance, a man of unquestionable curiosity. The event took place on January 12 at the Consulate General of Italy in New York City, in cooperation with the Office of the Consul General, under the auspices of Minister Natalia Quintavalle.



Italian Consular General of New York, Natalia Quintavalle; Dr. Robert Gallo; and Joseph Sciame, President of Italian Heritage and Culture Committee-NY, Inc.

GRANTS &

CONTRACTS



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



Beth Barnett, MD

► **Beth Barnett, MD**, Professor, Department of Family and Community Medicine, received \$1,809,184 to fund the second year of a three-year contract with the Maryland Department of Health and Mental Hygiene (DHMH) to conduct an evaluation of Maryland's Maternal, Infant, Early Childhood Home Visiting (MIECHV) Program. MIECHV supports pregnant women and families and helps parents of children from birth to age five tap the resources and develop the skills they need to raise children who are physically, socially and emotionally healthy and ready to learn. The overall purpose of the project is to increase the availability and the impact of home visiting for improving outcomes and reducing health and developmental disparities of at-risk expectant families and families with young children.



Eileen Barry, PhD

► **Eileen Barry, PhD**, Professor of Medicine, Institute for Global Health, received a one-year, \$14,000 grant from PATH Vaccine Solutions for "Pan *Shigella* Proteome Microarray Consortium."

► **Wilbur Chen, MD, MS**, Associate Professor, and **Myron Levine, MD, DTPH**, Professor, both from the Department of Medicine and the Center for Vaccine Development in the Institute for Global Health, received a three-year, \$2,473,837 grant from the Bill & Melinda Gates Foundation for "Volunteer Challenge Studies of *Cryptosporidium hominis*."



Wilbur Chen, MD, MS

► **Patricia Dischinger, PhD**, Professor, Department of Epidemiology & Public Health, received a one-year, \$290,637 award from the Maryland Department of Motor Vehicles for "Maryland Center for Traffic Safety & Analysis (MCTSA)."



Patricia Dischinger, PhD

► **Michael Donnenberg, MD**, Professor, Department of Medicine,

received a one-year, \$312,846 grant from the National Institute for Allergy and Infectious Diseases (NIAID) for "Progress in Understanding Type IV Pilus Biogenesis."

► **Steven Fisher, MD**, Professor, Department of Medicine, received a \$1,785,679 R01 grant from NIH for "Variant Surface Antigens in Cerebral Malaria Pathogenesis."



Anthony Harris, MD, MPH

► **Anthony Harris, MD, MPH**, Professor, Department of Epidemiology & Public Health, received a three-year, \$2,100,599 award from the Centers for Disease Control for "Epicenters for the Prevention of Healthcare Associated Infections (HAI)-Cycle II."

► **Feyruz Rassool, PhD**, Associate Professor, Department of Radiation Oncology, received a \$600,000 Translational Research Program Grant from the Leukemia and Lymphoma Society for "Using PARP Inhibitors to Enhance the Cytotoxic Effects of DNA Demethylating Agents in Acute Myeloid Leukemia."

► **Robert Redfield, MD**, Professor of Medicine and Associate Director, Institute of Human Virology, received a five-year, \$10 million award from the Centers for Disease Control entitled "Global Health Security Partner Engagement: Expanding Efforts and Strategies to Protect and Improve Public Health Globally." This project will be undertaken by UMB and several partners, and all activities will be performed in accordance with six principles: 1) Effective coordination and collaboration, particularly with WHO, OIE, NCDC and other CDC grantees of core strategies in Nigeria; 2) Development of Nigerian-led and sustainable solutions; 3) Implementation of low-cost evidence-based learning platforms; 4) Utilization of rapid and life-saving communications systems and practices; 5) Incorporation of user led continuous quality improvement (CQI) principles at all stages implementation; and 6) Support



Steven Fisher, MD



Feyruz Rassool, PhD



Robert Redfield, MD

GRANTS & CONTRACTS *continued*

for data-driven decision-making and quality patient-care in real time.



Fabio Romero, PhD

► **Fabio Romero, PhD**, Assistant Professor of Medicine, Institute of Human Virology, received a five-year, \$1,860,166 R01 grant from the National Institute of Allergy and Infectious Diseases (NIAID) for “Quantification of the HIV-1 Reservoir by Immuno-PCR.” This grant will allow IHV researchers to develop an accurate, sensitive and rapid technique to estimate the frequency of latently infected cells in clinical samples. This technology will be instrumental in assessing the efficacy of therapeutic approaches aimed at achieving a cure for HIV infection.



Marcelo Sztein, MD

► **Eric Sundberg, PhD**, Associate Professor of Medicine and Co-Director, Division of Basic Science, Institute of Human Virology, received a five-year \$2.8 million grant from the National Institute of Allergy and Infectious Diseases for “Structure and Function of Clostridium difficile Type IV Pili” to define C. difficile Type IV pilin structures, both as individual protein components and assembled supramolecular appendages, and to identify their human host cell receptors.

► **Marcelo Sztein, MD**, Professor of Pediatrics, Institute for Global Health, received a one-year, \$174,181 grant from PATH Vaccine Solutions for “Identification of Immunological Mechanisms That Correlate with Protection From wt ETEC Challenge in Humans Using Mass Cytometry.”

► **Loren Thompson, PhD**, Associate Professor, Department of Obstetrics, Gynecology & Reproductive Sciences, received a four-year, \$1,918,750 R01 grant from the National Heart Lung and Blood Institute for “Impact of Prenatal Hypoxia on Mitochondrial Function in the Offspring Heart.”

► **J. Kathleen Tracy, PhD**, Associate Professor, Department of Epidemiology & Public Health, received a five-year, \$926,416 award from the VA Medical Center for “MIRECC Research Data Collection, Database Creation, and Management Services” and a two-year, \$539,490 award from the Maryland Department of Health and Mental Hygiene for the AVATAR Project.



J. Kathleen Tracy, PhD

APPOINTMENTS



We applaud our colleagues on their recent appointments!

► **Clement Adebamowo, BM, ChB, ScD, FWACS, FACS**, Professor of Epidemiology & Public Health, Institute of Human Virology, has been appointed a member of the International Prevention Research Institute (iPRI) International Ethics and Governance Board.



Clement Adebamowo, BM, ChB, ScD



Richard Lichenstein, MD

► **Richard Lichenstein, MD**, Professor, Department of Pediatrics, and Chair of the Maryland Chapter of the American Academy of Pediatrics Committee on Injury, Violence and Poison Prevention, has been appointed as the new leader of the Teen Safe Driving Coalition of Maryland. The Coalition consists of more than 40 individuals and organizations committed to helping teens leverage the proven principles of Graduated Driver Licensing (GDL). It is affiliated with state and local government, law enforcement and public health agencies, traffic safety and injury prevention organizations, academia and businesses.

► **Soren Snitker, MD, PhD**, Associate Professor, Department of Medicine, was named a Fellow of The Obesity Society. The Obesity Society is the leading professional society dedicated to better understanding, preventing and treating obesity. Since 1982, The Obesity Society has been committed to encouraging research on the causes and treatment of obesity, and to keeping the medical community and public informed of new advances. He has also been appointed Visiting Professor, Department of Medical Physics, University of Wisconsin School of Medicine and Public Health, Madison, WI, for the period October 2015–June 2016.



Soren Snitker, MD, PhD

► **Emerson Wickwire, PhD, ABPP, CBSM, FAASM**, Assistant Professor of Psychiatry and Medicine, was invited to participate in a national Drowsy Driving Consensus Working Group, sponsored by the National Sleep Foundation, with panelists from international professional societies and stakeholder organizations.



PUBLICATIONS

Hats off to those who have been published!

► **Michael Abraham, MD, MS**, Clinical Assistant Professor, Department of Emergency Medicine, was lead author on “Special Considerations in Trauma Patients” in *Emergency Medicine Clinics of North America*, 2015 Nov;33(4):853-861. The topic for the issue was behavioral and psychiatric emergencies.



Clement Adebamowo, BM,
ChB, ScD

► **Clement Adebamowo, BM, ChB, ScD, FWACS, FACS**, Professor of Epidemiology & Public Health, Institute of Human Virology, co-authored “Recommendations for Accelerating the Development of Ebola Vaccines: Report and Analysis, February 2015,” which was sponsored by the Wellcome Trust and the Center for Infectious Disease Research and Policy, University of Minnesota. He was also among the co-authors on “Genome-Wide Association Study Identifies African-Ancestry Specific Variants for Metabolic Syndrome” in *Molecular Genetics and Metabolism*, 2015 Dec;116(4):305-13; and on “Influence of Spirituality and Modesty on Acceptance of Self-Sampling for Cervical Cancer Screening” in *PLoS One*, 2015 Nov 3;10(11):e0141679.

► **Sania Amr, MD**, Professor, Department of Epidemiology & Public Health, was a co-author on “Viral Transmission Risk Factors in an Egyptian Population with High Hepatitis C Prevalence” in *BMC Public Health*, 2015 Oct 7;15(1):1030; and “Integrative Medicine in Preventive Medicine Education: Implementation Analysis” in *American Journal of Preventive Medicine*, 2015 Nov;49(5 Suppl 3):S241-8; and with **Delia Chiaramonte, MD**, Assistant Professor, and **Chris D’Adamo, PhD, CPT**, Assistant Professor, both from the Department of Family and Community Medicine and the Center for Integrative Medicine, on “Implementation of an Integrative Medicine Curriculum for Preventive Medicine Residents” in *American Journal of Preventive Medicine*, 2015 Nov;49(5 Suppl 3):S249-56.



Sania Amr, MD

► **Vlado Antonic, PhD**, Research Associate; **Isabel Jackson, PhD**, Assistant Professor, and **Zeljko Vujaskovic, MD, PhD**, Professor, all from the Department of Radiation Oncology, were among the co-authors on “Subcutaneous



Vlado Antonic, PhD

Administration of Bovine Superoxide Dismutase Protects Lungs From Radiation-Induced Lung Injury” in *Free Radical Research*, 2015 Oct;49(10):1259-68.

► **Soren Bentzen, PhD, DMSc**, Professor, Department of Epidemiology & Public Health, was among the co-authors on “In Regard to Vaidya et al” in *International Journal of Radiation Oncology Biology Physics*, 2015 Aug 1;92(5):958-9; “Changes in Pulmonary Function After Definitive Radiotherapy for NSCLC” in *Radiotherapy and Oncology*, 2015 Oct;117(1):23-8; “External Validation of a Normal Tissue Complication Probability Model for Radiation-Induced Hypothyroidism in an Independent Cohort” in *Acta Oncologica*, 2015 Oct;54(9):1301-9; “Spatio-Temporal Stability of Pre-treatment 18F-Fludeoxyglucose Uptake in Head and Neck Squamous Cell Carcinomas Sufficient for Dose Painting” in *Acta Oncologica*, 2015 Oct;54(9):1416-22; and “Immunohistochemical Biomarkers and FDG Uptake on PET/CT in Head and Neck Squamous Cell Carcinoma” in *Acta Oncologica*, 2015 Oct;54(9):1408-15.



Søren Bentzen, PhD, DMSc

► **Mordecai Blaustein, MD**, Professor, Department of Physiology, was among the co-authors on “Arterial Alpha-2 Na⁺ Pump Expression Influences Blood Pressure: Lessons From Novel, Genetically-Engineered Smooth Muscle-Specific Alpha-2 Mice” in *American Journal of Physiology. Heart and Circulation Physiology*, 2015 Sep;309(5):H958-68.



Mordecai Blaustein, MD

► **Uttam Bodanapally, MBBS**, Assistant Professor; **Kathirkama Shanmuganathan, MBBS**, Professor; **David Dreizin, MD**, Assistant Professor; and **Stuart Mirvis, MD**, Professor, all from the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Penetrating Aerodigestive Injuries in the Neck: A Proposed CT-Aided Modified Selective Management Algorithm” in *European Radiology*, 2015 Oct 22 [Epub ahead of print]. Dr. Dreizin was also among the co-authors on “Multidetector CT for Penetrating Torso Trauma: State of the Art” in *Radiology*, 2015

PUBLICATIONS *continued*

Nov;277(2):338-55 and “Imaging Pregnant and Lactating Patients” in *Radiographics*, 2015 Oct;35(6):1751-65.



Rebecca Brotman, PhD,
MPH

► **Rebecca Brotman, PhD, MPH**, Assistant Professor of Epidemiology & Public Health, and **Jacques Ravel, PhD**, Professor of Microbiology & Immunology, both also from the Institute for Genome Sciences, were among co-authors on “Vaginal Biogenic Amines: Biomarkers of Bacterial Vaginosis or Precursors to Vaginal Dysbiosis?” in *Frontiers in Physiology*, 2015 Sep 29;6:253.

► **Clayton Brown, PhD**, Associate Professor, Department of Epidemiology & Public Health, was among the co-authors on “Smoking Cessation

in Individuals with Serious Mental Illness: A Randomized Controlled Trial of Two Psychosocial Interventions” in *Journal of Dual Diagnosis*, 2015 Jul-Dec;11(3-4):161-73.

► **Joana Carneiro Da Silva, PhD**, Associate Professor, Department of Microbiology & Immunology; **Elliott Drabek, PhD**, Senior Bioinformatics Software Engineer; and **Kyle Tretina**, Graduate Student, Silva Lab, all from the Institute for Genome Sciences, were among the co-authors on “The Genomes of Three Stocks Comprising the Most Widely Utilized Live Sporozoite *Theileria parva* Vaccine Exhibit Very Different Degrees and Patterns of Sequence Divergence” in *BMC Genomics*, 2015 Sep 24;16(1).

► **Rong Chen, PhD**, Assistant Professor, and **Edward Herskovits, MD**, Professor, both from the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Connectivity-Based Brain Parcellation: A Connectivity-Based Atlas for Schizophrenia Research” in *Neuroinformatics*, 2015 Oct 3 [Epub ahead of print].

► **Shifeng Chen, PhD**, Assistant Professor, Department of Radiation Oncology,



Clayton Brown, PhD



Joana Carneiro Da Silva, PhD



Shifeng Chen, PhD

Protein Vaccine With and Without Synthetic CPG 7909 Adjuvant For the Prevention and Treatment of Sepsis” in *Vaccine*, 2015 Nov 27;33(48):6719-26.

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was the chair and primary author on “Serious and Life Threatening Complications During Cardiac Stress Testing: Potential Mechanisms and Management Strategies” in *Journal of Nuclear Cardiology*, 2015 Dec;22(6):1198-213.



Michael Donnenberg, MD

Dysfunction Due to an Extra-intestinal Pathogenic *Escherichia coli* Strain with Enteropathogenic *E. coli* Genes,” in *Pathogens and Disease*. This manuscript was selected as the Editor’s Choice article for the issue.

► **Colleen Driscoll, MD**, and **Dina El-Metwally, MD**, both

was among the co-authors of “Sustained Proliferation in Cancer: Mechanisms and Novel Therapeutic Targets” in *Seminars in Cancer Biology*, 2015 Dec;35 Suppl:S25-54.

► **Alan Cross, MD** (lead author), Clinical Professor, and **Christopher deFilippi, MD**, Associate Professor, both from the Department of Medicine, were among the co-authors on “Phase 1 Testing of Detoxified LPS/Group B *Meningococcal* Outer Membrane



Alan Cross, MD



Vasken Dilsizian, MD



Colleen Driscoll, MD

PUBLICATIONS *continued*

Assistant Professors, Department of Pediatrics, were among the co-authors on “Improving Detection of IV Infiltrates in Neonates” in *BMJ Quality Improvement Reports*, 2015 Oct 29;4(1).



Ann Farese, MA, MS

► **Ann Farese, MA, MS**, Assistant Professor, and **Thomas MacVittie, PhD**, Professor, both from the Department of Radiation Oncology, were the co-authors on “Filgrastim for the Treatment of Hematopoietic Acute Radiation Syndrome” in *Drugs of Today (Barcelona)*, 2015 Sep;51:537–548.

► **Gary Fiskum, PhD**, the M. Jane Matjasko Professor for Research in Anesthesiology, Department of Anesthesiology, and **Robert Rosenthal, MD**, Professor, Department of Emergency Medicine, were among the co-authors on

“Hyperoxic Resuscitation Improves Survival But Worsens Neurologic Outcome in a Rat Polytrauma Model of Traumatic Brain Injury Plus Hemorrhagic Shock” in *Journal of Trauma and Acute Care Surgery*, 2015 Oct;79(4 Suppl 2):S101-9.



Gary Fiskum, PhD

► **Robert Gallo, MD**, the Homer and Martha Gudelsky Distinguished Professor in Medicine, and Director, Institute of Human Virology; **William Blattner, MD**, Professor of Medicine, and Associate Director, Institute of Human Virology; and **Wuyuan Lu, PhD**, Professor of Biochemistry and Molecular Biology, and Co-Director, Division of Basic Science, Institute of Human Virology, alongside Italian colleagues including IHV Adjunct Professor **Arnaldo Caruso, MD, PhD**, of the University of Brescia, were among the co-authors on “Role of HIV-1 Matrix Pprotein p17 Variants in Lymphoma Pathogenesis” in the *Proceedings of the National Academy of Sciences*, 2015 Nov 17;112(46):14331-6. On November 2, *Proceedings of the National Academy of Sciences* released an early edition copy

of the manuscript entitled “Role of HIV-1 Matrix Protein p17 Variants in Lymphoma Pathogenesis.” By way of background, despite the impact of highly



Robert Gallo, MD

active antiretroviral therapy on HIV-related malignancies, non-Hodgkin’s lymphomas (NHL) remain a leading cause of morbidity and mortality in HIV-1 infected individuals. Dr. Gallo, along with co-senior author Dr. Arnaldo Caruso of the University of Brescia Medical School, Italy, found that variants of the HIV-1 protein p17 (vp17s) are more frequently detected in HIV+ patients with Non-Hodgkin lymphoma (NHL) than in patients without NHL.

► **Eugene Gardner**, Graduate Student, Devine Lab (joint first author), and **Scott Devine, PhD**, Associate Professor of Medicine (joint senior author), both from the Institute for Genome Sciences, were among the co-authors on “An Integrated Map of Structural Variation in 2,504 Human Genomes” in *Nature*, 2015 Sep 30;526(7571):75-81, and on “A Global Reference for Human Genetic Variation” in *Nature*, 2015 Sep 30;526(7571):68-74.

► **Olga Goloubeva, PhD, MSc**, Associate Professor, Department of Epidemiology & Public Health, was among the co-authors on “Impact of Multidisciplinary Care on Processes of Cancer Care: A Multi-Institutional Study” in *Journal of Oncology Practice*, 2015 Oct 13 [Epub ahead of print].



Rao Gullapalli, PhD, MBA

► **Rao Gullapalli, PhD, MBA**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Design, Development, and Evaluation of an MRI-Guided SMA Spring-Actuated Neurosurgical Robot” published in *The International Journal of Robotics Research*, 2015 Jul;34(8):1147-1163.

► **Ronna Hertzano, MD, PhD**, Assistant Professor; **David Eisenman, MD**, Associate Professor; and **Scott Strome, MD**, Professor, all from the Department of

Otorhinolaryngology Head and Neck Surgery, were among the co-authors on “RFX Transcription Factors Are Essential for Hearing in Mice” in *Nature Communications*, 2015 Oct 15;6:8549.

► **Jon Mark Hirshon, MD, MPH, PhD**, Professor, Department of Emergency Medicine; **Samuel Galvagno, Jr, DO, PhD**, Associate Professor, Department of Anesthesiology; **Douglas Floccare**,



Ronna Hertzano, MD, PhD

PUBLICATIONS *continued*



Jon Mark Hirshon, MD,
MPH, PhD

MD, MPH, Clinical Assistant Professor, Department of Emergency Medicine; **Benjamin Lawner, DO, EMT-P, MS**, Assistant Professor, Department of Emergency Medicine; and **J.V. Nable, MD, NRP**, former Clinical Instructor, Department of Emergency Medicine, conducted a study of med-evac helicopter deployment guidelines, which was the basis of their article “Maryland’s Helicopter Emergency Medical Services Experience from 2001 to 2011: System Improvements and Patients’ Outcomes” in *Annals of Emergency Medicine*, 2015 Sep 18. pii: S0196-0644(15)01093-8.

► **Mike Humphrys, MSc**, Lab Manager, Ravel Lab; **Bing MA, PhD**, Research Associate, and **Jacques Ravel, PhD**, Professor of Microbiology & Immunology and Associate Director, Genomics, all from the Institute for Genome Sciences, were among the co-authors on “Enhanced Trapping of HIV-1 by Human Cervicovaginal Mucus is Associated with *Lactobacillus crispatus*-Dominant Microbiota” in *MBio*, 2015;6(5):e01084-15.



Xiaofeng Jia, BM, PhD

► **Xiaofeng Jia, BM, PhD**, Associate Professor, Departments of Neurosurgery and Orthopaedics, was the senior author on “Electrophysiological Monitoring of Brain Injury and Recovery After Cardiac Arrest” in *International Journal of Molecular Sciences*, 2015 Oct 30;16(11):25999-6018.

► **Seth Kligerman, MD**, Assistant Professor, and **Jeffrey Galvin, MD**, Professor, both from the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Organizing Pneumonia/Non-specific Interstitial Pneumonia Overlap is Associated with Unfavorable Lung Disease Progression” in *Respiratory Medicine*, 2015 Nov;109(11):1460-8. Dr. Galvin was also a co-author on “Smoking-Related ‘Interstitial’ Lung Disease” in *Archives of Pathology and Laboratory Medicine*, 2015 Aug;139(8):974-7.



Seth Kligerman, MD

► **Young Kwok, MD**, Associate Professor, and **Minesh Mehta, MB, ChB**, Professor, both from the Department of Radiation Oncology, were among the co-authors on “Pathology Concordance Levels for Meningioma Classification and Grading in NRG Oncology RTOG Trial 0539” in *Neuro-Oncology*, 2015 Oct 22 [Epub ahead of print].



Judy LaKind, PhD

► **Judy LaKind, PhD**, Adjunct Associate Professor, Department of Epidemiology & Public Health, was among the co-authors on “Biomonitoring of Dioxins and Furans: Levels and Trends in Humans” in *The Handbook of Environmental Chemistry*, Springer: Berlin Heidelberg, 2015:pp1-23.

► **Benjamin Lawner, DO, MS, EMT-P**, Assistant Professor, Department of Emergency Medicine, was among the co-authors on “The Price of a Helping Hand: Modeling the Outcomes and Costs of Bystander CPR” in *Prehospital Emergency Care*, 2015 Oct-Dec;19(4):524-34. Based on a review of EMS quality assurance data, the authors documented the effectiveness of a community CPR training program, noting that an appreciable proportion of people who received bystander CPR had a shockable rhythm on their initial electrocardiogram. The lead author was **Andrew Boulund, BS, MS-IV**. Other contributors included **Kevin Seaman, MD**, Executive Director, Maryland Institute for Emergency Medical Services Systems, and **Nicholas Risko, MD**, now a resident at Johns Hopkins Hospital, who was the first student to complete the Emergency Medical Services elective at the University of Maryland School of Medicine.

► **Wei Lu, PhD**, Associate Professor; **Steven Feigenberg, MD**, Professor; **Hao Zhang, PhD**, Assistant Professor; **Mohan Suntharalingam, MD**, Professor; **Min Kyu Kang, MD**, Visiting Assistant Professor; and **Warren D’Souza, PhD, MBA**, Professor, all from the Department of Radiation Oncology; and **Wengen Chen, MD, PhD**, and **Seth Kligerman, MD**, both Associate



Young Kwok, MD



Benjamin Lawner, DO, MS,
EMT-P



Wei Lu, PhD

PUBLICATIONS *continued*

Professors, Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Prechemotherapy FDG PET/CT Cannot Identify Residual Metabolically Active Volumes with Individual Esophageal Tumors” in *Journal of Nuclear Medicine and Radiation Therapy*, 2015;6:226.



Thomas MacVittie, PhD

► **Thomas MacVittie, PhD**, Professor, Department of Radiation Oncology, was among the co-authors on “Subject-Based Versus Population-Based Care After Radiation Exposure” in *Radiation Research*, 2015 Jul;184(1):46-55.

► **Jay Magaziner, PhD, MS Hyg**, Professor and Chair, and **Denise Orwig, PhD**, Associate Professor, both from the Department of Epidemiology & Public Health, were among the co-authors on “Recovery After Hip Fracture: Interventions and Their Timing to

Address Deficits and Desired Outcomes—Evidence from the Baltimore Hip Studies” in *Nestle Nutrition Institute Workshop Series*, 2015 Oct 20;83:71-81; and with **Ann Gruber-Baldini, PhD**, Professor, and **Glenn Ostir, PhD**, Professor, both also from the Department of Epidemiology & Public Health, on “Measurement of Function Post Hip Fracture: Testing a Comprehensive Measurement Model of Physical Function” in *Rehabilitation Nursing*, 2015 Oct 23 [Epub ahead of print]. Dr. Magaziner

was also among the co-authors on “Associations of Computed Tomography-Based Trunk Muscle Size and Density With Balance and Falls in Older Adults” in *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences*, 2015 Oct 26 [Epub ahead of print].

► **Laurence Magder, PhD**, Professor, Department of Epidemiology & Public Health, was among the co-authors on “Hydroxychloroquine Blood Levels in Systemic Lupus Erythematosus: Clarifying Dosing Controversies and Improving Adherence” in *The Journal of Rheumatology*, 2015 Nov;42(11):2092-7.



Laurence Magder, PhD



Jay Magaziner, PhD, MS Hyg

► **Joseph Martinez, MD**, Associate Professor; **Sarah Sommerkamp, MD, RDMS**, Assistant Professor; and **Brian Euerle, MD, RDMS**, Associate Professor, all from the Department of Emergency Medicine, co-authored “How We Started an Elective in Emergency Bedside Ultrasound” in *Medical Teacher*, 2015 Dec;37(12):1063-6.



Dirk Mayer, Dr rer nat

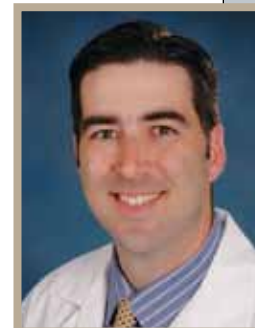


Minesh Mehta, MB, ChB

► **Dirk Mayer, Dr rer nat**, Associate Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Assessing Inflammatory Liver Injury In an Acute CCL4 Model Using Dynamic 3D Metabolic Imaging of Hyperpolarized [1-13 C]pyruvate” in *NMR in Biomedicine*, 2015 Oct 16 [Epub ahead of print].

► **Minesh Mehta, MB, ChB**, Professor, Department of Radiation Oncology, was among the authors of “CogState Computerized Memory Tests in Patients With Brain Metastases: Secondary Endpoint Results of NRG Oncology RTOG 0933” in *Journal of Neuro-Oncology*, 2016 Jan;126(2):327-36, and “A Randomized Phase I/II study of ABT-888 in Combination with Temozolomide in Recurrent Temozolomide-Resistant Glioblastoma: An NRG Oncology RTOG Group Study” in *Journal of Neuro-Oncology*, 2016 Jan;126(2):309-16.

► **Andrea Meredith, PhD**, Associate Professor, Department of Physiology, and members of her lab **Betsir Zemen, Michael Lai, Joshua Whitt**, and **Zulqarnain Khan**, along with **Gailing Zhao, PhD**, Associate Professor in the department, co-authored “Generation of Kcnma1fl-tdTomato, a Conditional Deletion of the BK Channel α Subunit in Mouse” in *Physiological Reports*, 2015, Nov 3(11): e12612.

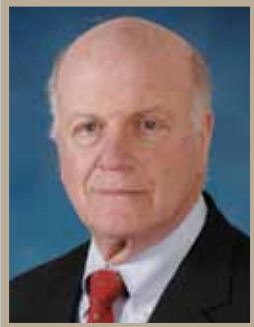


Joseph Martinez, MD



Andrea Meredith, PhD

PUBLICATIONS *continued*



Reuben Mezrich, MD, PhD

► **Reuben Mezrich, MD, PhD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, published “Science to Practice: What Light through Yonder Tumor Breaks: Noninvasive Staging of Cancer-Shining a Light on Disease” in *Radiology*, 2015 Nov;277(2):311-3.

► **Mark Mishra, MD**, Assistant Professor, Department of Radiation Oncology, was among the co-authors on “Factors That Influence Patient Preferences for Prostate Cancer Management Options: A Systematic Review” in *Patient Preference and Adherence*, 2015 Jul 2;9:899-911.

Dr. Mishra was also among the co-authors on “Definitive Radiation Therapy For Stage I-II Endometrial Cancer: An Observational Study of Nonoperative Management” in *American Journal of Clinical Oncology*, 2015 Jun 8 [Epub ahead of print].

► **Jason Mitchell, MD, MPH**, Assistant Professor, and **Michael Mulligan, MD**, Professor, both from the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Knee MRI Patterns of Bone Marrow Reconversion and Relationship to Anemia” in *Acta Radiologica*, 2015 Oct 21 [Epub ahead of print].

► **Fred Moeslein, MD, PhD**, Assistant Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Safety and Efficacy of Radioembolization in Elderly (≥ 70 Years) and Younger Patients With Unresectable Liver-Dominant Colorectal Cancer” in *Clinical Colorectal Cancer*, 2015 Nov 2 [Epub ahead of print].

► **Daniel Morgan, MD**, Associate Professor, Department of Epidemiology & Public Health, was a co-author on “Laxminarayan R. Potential Burden of Antibiotic Resistance on Surgery and Cancer Chemotherapy Antibiotic Prophylaxis in the USA: A Literature Review and Modelling study” in *The Lancet Infectious Diseases*, 2015 Oct 15 [Epub ahead of print]; on “Setting a Research Agenda for Medical Overuse” in



Mark Mishra, MD



Daniel Morgan, MD

British Medical Journal, 2015 Aug 25;351:h4534; and, with **Kerri Thom, MD, MS**, Associate Professor, **Anthony Harris, MD, MPH**, Professor, and **Surbhi Leekha, MBBS, MPH**, Assistant Professor, all also from the Department of Epidemiology & Public Health, and **Manjari Joshi, MBBS**, Associate Professor, Department of Medicine, on “A Multicenter Longitudinal Study of Hospital-Onset Bacteremia: Time For a New Quality Outcome Measure?” in *Infection Control & Hospital Epidemiology*, 2015 Oct 23:1-6 [Epub ahead of print].

► **Amed Ouattara, PharmD, PhD**, Research Associate, and **Christopher Plowe MD, MPH, FASTMH**, Professor, both from the Department of Medicine and the Institute for Global Health, which Dr. Plowe directs, were among the co-authors on “Designing Malaria Vaccines to Circumvent Antigen Variability” in *Vaccine*, 2015 Oct 31 pii: S0264-410X(15)01414-0. Dr. Plowe was also the author of “Vaccine-Resistant Malaria,” an editorial in *The New England Journal of Medicine*, 2015 Oct 21 [Epub ahead of print], and was among the co-authors on “Artemisinin Resistance in Myanmar” in *Lancet Infectious Diseases*, 2015 Sep;15(9):1001-2.

► **Ravi Parikh, MD**, Fellow (lead author); **Stephen Seliger, MD, MS**, Associate Professor; and **Christopher deFilippi, MD**, Associate Professor, all from the Department of Medicine, along with **Robert Christenson, PhD**, Professor, Department of Pathology, co-authored “Prognostic Significance of High-Sensitivity Cardiac Troponin T Concentrations Between the Limit of Blank and Limit of Detection in Community-Dwelling Adults: A Meta-analysis” in *Clinical Chemistry*, 2015 Dec;61(12):1524-31.

► **Prashant Raghavan, MD**, Assistant Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Cerebral Amyloid Angiopathy-Related Inflammation: A Potentially Reversible Cause of Dementia With Characteristic Imaging Findings” in *Journal of Neuroradiology*, 2015 Oct 12 [Epub ahead of print].

► **Kristen Rennoll-Bankert, PhD**, Postdoctoral Fellow; **Mohammed Rahman, PhD**, Assistant Professor; **Joseph J Gillespie, PhD**, Assistant Professor; and **Abdu Azad, PharmD, PhD, MPH**, Professor, all from the Department of Microbiology &



Stephen Seliger, MD, MS



Fred Moeslein, MD, PhD

PUBLICATIONS *continued*

Immunology, were among the co-authors on “Which Way In: The RalF Arf-GEF Orchestrates Rickettsia Host Cell Invasion” in *PLoS Pathogens*, 2015 Aug 20;11(8):e1005115.

► **Darlene Robinson, MD, MPH**, Assistant Professor, Department of Emergency Medicine, was the author of the case report “Adrenal Mass Causing Secondary Hypertension” in *The Journal of Emergency Medicine*, 2015 Nov;49(5):638-40.



Terez Shea-Donohue, PhD

► **Terez Shea-Donohue, PhD**, Professor, Department of Radiation Oncology, was among the authors on “IL-25 or IL-17E Protects Against High-Fat Diet-Induced Hepatic Steatosis in Mice Dependent Upon IL-13 Activation of STAT6” in *Journal of Immunology*, 2015 Nov 15;195(10):4771-80.

► **Eliot Siegel, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Patient Perceptions of Participating in the RSNA Image Share Project: A Preliminary Study” in *Journal of Digital Imaging*, 2015 Oct 9 [Epub ahead of print].



Clint Sliker, MD

► **Clint Sliker, MD**, Associate Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “After-Hours Radiology: Challenges and Strategies for the Radiologist” in *AJR: American Journal of Roentgenology*, 2015 Nov;205(5):956-61.

► **Gordon Smith, MB, ChB, MPH**, Professor, Department of Epidemiology & Public Health, was last author



Eliot Siegel, MD



Gordon Smith, MB, ChB, MPH

on “Alcohol Exposure, Injury, and Death in Trauma Patients” in *Journal of Trauma and Acute Care Surgery*, 2015 Oct;79(4):643-8; and a co-author on “Failure to Clear Elevated Lactate Predicts 24-hour Mortality in Trauma Patients” in *Journal of Trauma and Acute Care Surgery*, 2015 Oct;79(4):580-5. Dr. Smith was also a co-author with **Jennifer Albrecht, PhD**, Assistant Professor, Department of Epidemiology & Public Health; **Jon-Mark Hirshon, MD, MPH, PhD**, Professor, Department of Emergency Medicine; and **Maureen McCunn, MD, MIPP, FCCM**, Associate Professor, Department of Anesthesiology, on “Increased Rates of Mild Traumatic Brain Injury Among Older Adults in US Emergency Departments, 2009-2010” in *The Journal of Head Trauma Rehabilitation*, 2015 Oct 16 [Epub ahead of print].

► **O. Colin Stine, PhD**, Professor, Department of Epidemiology & Public Health, was among the co-authors on “Shigella Infections in Household Contacts of Pediatric Shigellosis Patients in Rural Bangladesh” in *Emerging Infectious Diseases*, 2015 Nov;21(11):2006-13.

► **Yutaka Tagaya, PhD**, Assistant Professor of Medicine, Institute of Human Virology, and his group (**Toshie Nata, PhD**, Postdoctoral Fellow, and **Fiorenza Cocchi, MD**, Assistant Professor of Medicine) published two papers from their novel multi-cytokine targeting peptide project: “Targeting the Binding Interface on a Shared Receptor Subunit of a Cytokine Family Enables the Inhibition of Multiple Member Cytokines with Selectable Target Spectrum” in *Journal of Biological Chemistry*, 2015 Sep 11;290(37):22338-51, and “Common γ -chain Blocking Peptide Reduces in vitro Immune Activation Markers in HTLV-1-Associated Myelopathy/Tropical Spastic Paraparesis” in *Proceedings of the National Academy of Science, USA*, 2015 Sep 1;112(35):11030-5. These works represent the lab’s continuing efforts to fight against incurable human diseases caused by HTLV-1 (an oncogenic retrovirus discovered originally by the Gallo group), which include adult T-cell leukemia (ATL) and HAM/TSP (HTLV-1 associated myelopathy/tropical spastic paraparesis). Dr. Tagaya also co-authored a paper with Dr. Eric Long’s group at the National Institute of Allergy and Infectious Diseases of NIH on their collaborative study of the cytokine-mediated regulation of cytotoxicity by NK and CD8 T cells entitled “NK Cell Proliferation Induced by IL-15 Transpresentation Is Negatively Regulated by Inhibitory Receptors” in *Journal of Immunology*, 2015 Nov 15;195(10):4810-21.



Yutaka Tagaya, PhD

PUBLICATIONS *continued*



Sharon Tennant, PhD

► **Sharon Tennant, PhD**, Assistant Professor, and **Myron Levine, MD, DTPH**, Professor, both from the Department of Medicine and the Center for Vaccine Development in the Institute for Global Health, were among the co-authors on “Detection of Typhoidal and Paratyphoidal *Salmonella* in Blood by Real-Time Polymerase Chain Reaction” in *Clinical Infectious Diseases*, 2015 Nov 1;61 Suppl 4:S241-50. The two of them, along with **Samba Sow, MD, MS**, Adjunct Professor, Department of Medicine, and **Milagritos Tapia, MD**, Associate Professor, Department of Pediatrics, both also from the Center for Vaccine Development in the Institute for Global Health, were among the co-authors on “Invasive Non-Typhoidal *Salmonella* Infections Among Children in Mali, 2002-2014: Microbiological and Epidemiologic Features Guide Vaccine Development” in *Clinical Infectious Diseases*, 2015 Nov 1;61 Suppl 4:S332-8. Dr. Tennant was also a co-author on “Invasive *Salmonella* Infections Among Children From Rural Mozambique, 2001-2014” in *Clinical Infectious Diseases*, 2015 Nov 1;61 Suppl 4:S339-45.



Milagritos Tapia, MD



Franklin Toapanta MD, PhD

► **Franklin Toapanta, MD, PhD**, Assistant Professor of Medicine, Center for Vaccine Development in the Institute for Global Health, was among the co-authors of a review entitled “Modeling Influenza Virus Infection: A Roadmap for Influenza Research” in *Viruses*, 2015 7(10):5274-304.

► **Charles White, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “hs-Troponin I Followed by CT Angiography Improves Acute Coronary Syndrome Risk Stratification Accuracy and Work-Up in Acute Chest Pain Patients: Results From ROMICAT II Trial” in *JACC Cardiovascular Imaging*, 2015

Oct 6 [Epub ahead of print].

► **Owen White, PhD**, Professor of Epidemiology & Public Health; Associate Director, Institute for Genome Sciences; and Co-Director, Center for Health-Related Informatics and Bioimaging, was among the co-authors on “Toward a Standard in Structural Genome Annotation for Prokaryotes” in *Standards in Genomic Sciences*, 2015 Jul 25;10:45.



Norann Zaghloul, PhD

Informatics for Big Data in Precision Medicine Era” in *BioData Mining*, 2015 Nov 3;8:34.



Guiling Zhao, PhD

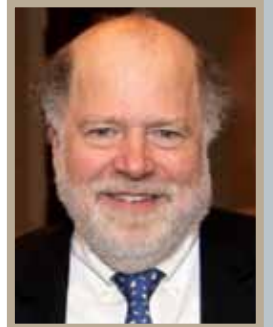
► **Guiling Zhao, PhD**, Assistant Professor, Department of Physiology, found a new signaling pathway of STIM1 (stromal interaction molecule 1) in the heart, and the results of the work, done in collaboration with colleagues at Duke, were published in *PNAS* as “STIM1 Enhances SR Ca²⁺ Content Through Binding Phospholamban in Rat Ventricular Myocytes. (*Proceedings of the National Academy of Science, USA*, 2015;112(34):E4792-801. **W. Jonathan Lederer, MD, PhD**, Professor of Physiology and Director of BioMet, was the corresponding author. This paper was chosen as Editor's Choice by *Science Signaling*.



Owen White, PhD



Yuji Zhang, PhD



W. Jonathan Lederer, MD

IN THE NEWS



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



Chris D'Adamo, PhD

► **Chris D'Adamo, PhD**, Assistant Professor of Family & Community Medicine, and Director of Research, Center for Integrative Medicine, was quoted extensively in the article “Get Well Sooner” in the *Dr. Oz —The Good Life* online magazine on October 29.

► **Matthew Laurens, MD, MPH**, Associate Professor of Pediatrics, Institute for Global Health, was quoted in *The Washington Post* article “Unsettling Finding From CDC Investigation: Tapeworms Can Transmit Cancer Cells to Humans” on November 5, 2015.

► **Richard Lichenstein, MD**, Professor, Department of Pediatrics, was interviewed for *Inside Science*—a nonprofit science news website funded by the American Institute of Physics—for a story about advertisements in parenting magazines.



Matthew Laurens, MD, MPH

► **Jay Magaziner, PhD, MS Hyg**, Professor and Chair, Department of Epidemiology, was quoted in the article “Presidential Pop-In, Aging Lecture, Clothing Swap Mark Founders Day at YSPH” on medicine.yale.edu on Oct. 8.

► **Christopher Plowe MD, MPH, FASTMH**, Professor, Department of Medicine, and Founding Director, Institute for Global Health, was featured in the profile “Christopher Plowe: A Leader in Malaria Elimination” in *The Lancet*, October 24, 2015.

► The American Academy of Pediatrics issued a policy recommendation in the November 2015 issue of *Pediatrics* that pediatricians screen all children for food insecurity using a two-item screener



Jay Magaziner, PhD, MS Hyg



Christopher Plowe, MD, MPH, FASTMH

validated by University of Maryland School of Medicine Department of Pediatrics faculty members **Erin Hager, PhD**, Assistant Professor; **Anna Quigg, PhD**, former Postdoctoral Fellow; and **Maureen Black, PhD**, the John A. Scholl, MD, and Mary Louise Scholl, MD, Professor in Pediatrics, as part of our Children's HealthWatch collaboration. Dr. Hager was quoted in an article in *The New York Times* about the policy entitled “AAP Asks Pediatricians to Screen All Children for Food Insecurity” on October 30.

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CURE Scholars received white coats at the launch celebration for the program.

Thanks to those who selflessly donate their time, talent and resources. Your goodwill does not go unappreciated.

► The launch of **UMB CURE Scholars Program** on October 10 celebrated the beginning of this groundbreaking STEM education pipeline for middle school students from West Baltimore (www.umbcure.org). The program is funded by the NCI Center to Reduce Cancer Health Disparities'

Continuing Umbrella of Research Experiences (CURE) program, as part of the Marlene and Stewart Greenebaum Cancer Center P30 grant to **Kevin Cullen, MD**, UMGCC Director and Professor, Department of Medicine. **Robin Saunders** directs the program, in which students, faculty and administrators

from the UMSOM and all UMB professional schools conduct after-school, Saturday, and summer tutoring and activities to inspire the next generation of healthcare professionals.

► Medical students **Jon Watson** and **Shelly Hwang** hosted 75 students from the Biomedical and Allied Health Magnet Program at Glen Burnie High School on October 29. Arranged by **Dawn Roberts**, Associate Director of the Office of Student Affairs, the visit allowed the students to ask questions about careers in the medical field and exposed them to areas within their school's magnet pathways: Aging and Wellness, Public/International Health, BioInformatics, BioScience, and BioEngineering. The Future Doctors Club from Northern High School (30 students) paid a similar visit to campus on October 9, with med student **Joy Lee** serving as their tour guide.



Dawn Roberts

Research Communications Network

Many thanks to the following people who serve as your liaisons for the information you see in *What's the Buzz?* Please send information (within the realm of the categories listed here) that you would like to see in the *Buzz* to the appropriate person within your department, program, center or office.

Anatomy & Neurobiology:
Leslie-Ann Fitzpatrick

Anesthesiology: Pamela Earle-Jackson

Biochemistry & Molecular Biology:
Qun Zhou

Dermatology: Betsy Satosky

Diagnostic Radiology & Nuclear Medicine: Brigitte Pocta

Emergency Medicine:
Linda Kesselring

Epidemiology & Preventive Medicine: Yimei Wu

Family & Community Medicine:
Karen Webster

Medical & Research Technology:
Cynthia Stambach

Medicine: Molly Lutz
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Teri Robinson

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Neurosurgery: Mari Jo Pohlner

Obstetrics, Gynecology & Reproductive Sciences: Robin Kissinger

Ophthalmology: Chinneta Pettaway-Willis

Orthopaedics: Dori Kelly

Otorhinolaryngology: Bryan Ambro

Pathology: Rob Christenson

Pediatrics: Denise Hansen

Pharmacology: Stacey Lukasik

Physical Therapy & Rehabilitation Science: Monica Martinez

Physiology: Ken Fahnestock

Psychiatry: Vee Porter-Brown

Radiation Oncology: Jill Rosenberg

Surgery: Michele Mehrling

Program in Comparative Medicine:
Deborah Sanchez

Program for Personalized & Genomic Medicine: Ruth Cosentino

Program in Neuroscience: Tom McHugh

Program in Oncology: Robert Mitchell

Program in Trauma: Jane Anderson

Program in Health Disparities & Population Health: TBD

Center for Biomedical Engineering and Technology: Pamela B. Wright

Center for Integrative Medicine:
Rebekah Owens

Center for Research on Aging:
Kara Longo

Center for Shock, Trauma and Anesthesiology Research (STAR-ORC):
Gabriela Felton

Center for Stem Cell Biology & Regenerative Medicine:
Fulscia Morrison

Center for Vaccine Development:
Staci Eddington

Center for Vascular & Inflammatory Diseases: Talia Bailey

Institute for Genome Sciences:
Riham Keryakos

Institute for Global Health:
Katherine Frankel

Institute of Human Virology:
Nora Grannell

MD/PhD Program: Jane Bacon

Office of Admissions: Mickey Foxwell

Office of Development:
Rebecca Herman

Office of Faculty Affairs & Professional Development:
Robertha Simpson

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Office of Research Career Development: Stacie Small Mendoza

Office of Research & Graduate Studies: Terry Rogers

Office of Student Affairs:
Dawn Roberts

Office of Student Research:
Jean Marie Roth

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Buzz Information Link for Students

A hyperlink is available on the School of Medicine Website for you to submit information to the *Buzz* to acknowledge honors, prizes, presentations, leadership positions and other noteworthy accomplishments.

Go to:

http://medschool.umaryland.edu/Public_Affairs/buzz.asp