

# 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!*

► **Brian Berman, MD**, Professor, Department of Family and Community Medicine, and Director, Center for Integrative Medicine, presented a keynote lecture entitled “Integrated Medicine: The Future” at the 6th European Congress for Integrative Medicine held in Berlin, Germany from October 4–5.

► **Maureen Black, PhD**, the John A. Scholl, MD, and Mary Louise School, MD, Professor, Department of Pediatrics, and **Nicholas Tilton**, Graduate Student, Department of Epidemiology & Public Health, presented “Stunting and Iron Deficiency are Associated with Low Preschool Development Scores in a Rural Indian Community” and “Dietary Diversity as an Index of Infant Nutrition, Health, and Development in Rural India,” both at the International Union of Nutritional Science in Granada, Spain, on September 17.

► **Laura Latéy Bradford**, a PhD Candidate in the Molecular Microbiology & Immunology Program and the Ravel Lab at the Institute for Genome Sciences, was invited by **Donald E. Wilson, MD, MACP**, former University of Maryland School of Medicine Dean and Association for Academic Minority Physicians (AAMP) Founder/President, to give an oral presentation of her research at the 26th Annual Scientific Meeting of the Association for Academic Minority Physicians, held from Oct 4-6 in Alexandria, VA. The title of her presentation was “A Community Genomics Approach to Study the Dynamics of the Vaginal Ecosystem During Vulvovaginal Candidiasis.”

► **Svetlana Chapoval, MD, PhD**, Adjunct Assistant Professor, Department of Microbiology & Immunology, was an invited speaker at the 4th International Conference on Biomarkers & Clinical Research held in Philadelphia, PA, in July. Her topic was “Neuroimmune Semaphorins Potential Biomarkers and Drug Targets for Asthma.”



Svetlana Chapoval, MD, PhD

► **Shiladitya DasSarma, PhD**, Professor, and the Department of Microbiology & Immunology, hosted the first Institute of Marine and Environmental Technology (IMET) Distinguished Seminar at the Columbus Center in Baltimore on September 4. The speaker was Sir Richard Roberts, PhD, FRS, Nobel Laureate and Chief Scientific Officer at New England Biolabs. In his talk on “Bacterial Methylozymes,” Dr Roberts reported on a novel approach to characterizing restriction-modification systems and DNA methylation patterns on a genome-wide basis using single molecule real time (SMRT) sequencing, research that may have far-reaching implications in the field of biotechnology.



Shiladitya DasSarma, PhD



Jose Diaz, MD

► **Jose Diaz, MD**, Professor, Department of Surgery, presented “Complicated Pancreatitis” and moderated a session on “Acute Care Surgery” at the American Association for the Surgery of Trauma annual meeting in San Francisco, CA, in September. At the same meeting, **Thomas Scalea, MD, FACS**, the Honorable Francis X. Kelly Distinguished Professor of Trauma Surgery and Director, Program in Trauma, presented “Life Threatening Chest Injuries” and was a discussant for the presentation “Are We Lemmings? Non-Selective Use of Angiography Provides No Benefit in High-Grade Blunt Trauma”; **Carnell Cooper, MD**, Associate Professor, Department of Surgery co-moderated a panel discussion on “Gun Violence: Pediatric, Prevention and Advocacy Perspectives”; **Heidi Frankel, MD**, Assistant Professor, Department of Surgery, was the discussant for the presentation “Findings of a Randomized Controlled Trial Using Limited Transthoracic Echocardiogram (LTTE) as a Hemodynamic Monitoring Tool In the Trauma Bay”; **Sharon Henry, MD**,

## EVENTS, LECTURES & WORKSHOPS *continued*

the Anne Scalea Professor of Trauma, Department of Surgery, participated as a panelist for “Challenging Cases”; **James O’Connor, MD**, Associate Professor, Department of Surgery, presented “Damage Control Thoracic Surgery: Management and Outcomes”; **Sarah Murthi, MD**, Associate Professor, Department of Surgery, presented “Making the Financial Case for a Surgeon-Directed Critical Care Ultrasound Program (CCUP)”; **Deborah Stein, MD, MPH**, Associate Professor, Department of Surgery, presented “How Are You Really Feeling? A Prospective Evaluation of Cognitive Function Following Trauma,” and was the discussant for the presentation “Enteral Albuterol Decreases the Need for

Chronotropic Agents in Patients with Cervical Spinal Cord Injury (CSCI) Induced Bradycardia”; and **Laurie Punch, MD**, Assistant Professor, Department of Surgery, and Dr. Henry presented a poster on “Perineal Necrotizing Soft Tissue Infection (PNAI): An Observational Study of Multidisciplinary Care and Lower Than Expected Mortality.”

▶ **Erin Hager, PhD**, Assistant Professor, Department of Pediatrics, presented “The Local Wellness Policies: Increasing Opportunities for Healthy Eating and Physical Activity in Schools” at the Johns Hopkins Bloomberg School of Public Health’s Center for Human Nutrition Special Seminar in Baltimore on September 12.



Erin Hager, PhD

## IN THE NEWS



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

▶ **Chris D’Adamo, PhD**, Assistant Professor, Department of Family & Community Medicine, and Director of Research, Center for Integrative Medicine, was quoted in an August 29 *Jewish Times* article entitled “Honey For Your Boo-Boo,” where he discussed the many benefits of honey.

▶ **Samuel Galvagno, Jr., DO, PhD**, Assistant Professor, Department of Anesthesiology, was featured in an interview on Hemodialysis.com on August 6, discussing continuous renal replacement therapy (CRRT).

## EVENTS, LECTURES & WORKSHOPS *continued*

▶ **Linda Lewin, MD**, Associate Professor, Department of Pediatrics, will present the following workshop and platform presentations at the combined annual meeting of the Association of Pediatric Program Directors/Council on Medical Student Education in Pediatrics in Nashville, Tennessee on December 12–13, 2013: “Does Evaluating Medical Students’ Oral Case Presentations Affect Subsequent Presentations?”; “Using Oral Case Presentations to Teach and Assess Clinical Reasoning Skills across the Continuum of Learners”; and “The Difficult Learner: Prevention, Diagnosis, and Treatment Options,” the latter of which is to be presented with **Leah Millstein, MD**, Associate Program Director, Department of Pediatrics.

▶ **Fred Osher, MD**, Clinical Associate Professor; **John Talbott, MD**, Clinical Professor; and **Erik Roskes, MD**, Clinical Assistant Professor, all from the Department of Psychiatry, were among 50 judges and psychiatrists who met on October 13 to discuss “Developing Strategies for Individuals with Behavior Health Needs in the Criminal Justice System.”

▶ **Horea Rus, PhD**, Professor, Department of Medicine, and **Cosmin Tegla, MD**, Post Doctoral Fellow, Department of Neurology, presented “Response Gene to Complement-32 Mediates C5b-9 Induced Cell Cycle Activation and Migration in Endothelial Cells” at the 15th International Congress of Immunology, held from August 22–27, in Milan, Italy.

▶ **Wendy Sanders, MA**, Assistant Dean for Research Career Development, gave a workshop on grant writing at the annual AAMC Minority Faculty Development Conference in New Orleans on September 22.

## APPOINTMENTS



*We applaud our colleagues on their recent appointments!*

▶ **Thomas Scalea, MD, FACS**, the Honorable Francis X. Kelly Distinguished Professor of Trauma Surgery and Director, Program in Trauma, was named President Elect for 2013–2014 by the American Association of the Surgery of Trauma (AAST) at the AAST Annual meeting in San Francisco, CA, in September.



## PUBLICATIONS

*Hats off to those who have been published!*



Kelley Banagan, MD

► **Kelley Banagan, MD**, Assistant Professor, Department of Orthopaedics, wrote “Emergency Medicine,” a chapter in the book *Orthopaedic Emergencies: Expert Management for the Emergency Physician*, published by Cambridge University Press in November 2013.

► **Fermin Barrueto, Jr., MD**, Clinical Associate Professor, Department of Emergency Medicine, was among the co-authors on “Intraperitoneal Elemental Mercury Exposure from a Mercury-Weighted Bougie” in the *Journal of Medical Toxicology*, 2013 Sep;9(3):270-3.

► **Maureen Black, PhD**, the John A. Scholl, MD, and Mary Louise School, MD, Professor, and **Kristen Hurley, PhD**, Assistant Professor, both from the Department of Pediatrics, were among the co-authors on “Helping Children Develop Healthy Eating Habits” in the *Encyclopedia on Early Childhood Development*, published by the Montreal, Quebec Centre of Excellence for Early Childhood Development and Strategic Knowledge Cluster on Early Child Development; 2013:1-10. Dr. Black was also among the co-authors on “SNAP Cuts Will Harm Children in the USA” in *The Lancet*, 2013 Oct 5;382:1155-1156.

► **Jonathan Bromberg, MD, PhD**, Professor, Department of Surgery, was among the co-authors on “An Update on the Impact of Pre-Transplant Transfusions and Allosensitization on Time to Renal Transplant and on Allograft Survival” in *BMC Nephrology*, 2013 Oct 10;14(1):217 [Epub ahead of print].

► **Joana Carneiro da Silva, PhD**, Assistant Professor, Department of Microbiology & Immunology and the Institute for Genome Sciences, was among the co-authors on “Whole Genome Mapping and Re-Organization of the Nuclear and Mitochondrial Genomes of *Babesia microti* Isolates” in *PLoS One*, 2013 Sep 4;8(9):e72657. Dr. Carneiro da Silva; **James Munro, PhD**, Bioinformatics Analyst, Institute for Genome Sciences; and **Christopher Jacob**, PhD Candidate, Molecular Medicine program, were among the co-authors on “A Novel Clade of Unique Eukaryotic Ribonucleotide Reductase R2 Subunits is Exclusive to Apicomplexan Parasites” in the *Journal of Molecular Evolution*, 2013 Sep;77(3):92-106.



Joana Carneiro da Silva, PhD

► **Svetlana Chapoval, MD, PhD**, Adjunct Assistant Professor, Department of Microbiology & Immunology, was a senior author on two recent papers: “Neuroimmune Semaphorin 4D is Necessary for Optimal Lung Allergic Inflammation” in *Molecular Immunology*, 2013, 56:480-487, and “Neuroimmune Semaphorin 4A As a Drug and Drug Target for Asthma” in *International Immunopharmacology*, 2013, 17:568-575. The papers were co-authored by **Achsah Keegan, PhD**, Professor, Department of Microbiology & Immunology; **Elizabeth Smith, MS**, Director of Histology Core Facility, Center for Vascular and Inflammatory Diseases; **Louis DeTolla, VMD, MS, PhD**, Professor, Departments of Pathology, Epidemiology and Public Health, and Medicine; and **Michael Lipsky, MD**, Professor, Department of Pathology.

► **Michael Chuong, MD**, Assistant Professor, Department of Radiation Oncology, was among the authors on “High-Dose-Rate Endorectal Brachytherapy for Locally Advanced Rectal Cancer in Previously Irradiated Patients” in *Brachytherapy*, 2013 Sep-Oct;12:457-462; and of “Stereotactic Body Radiation Therapy for Locally Advanced and Borderline Resectable Pancreatic Cancer is Effective and Well Tolerated” in the *International Journal of Radiation Oncology Biology Physics*, 2013 Jul 1;86:516-522.



Michael Chuong, MD

► **W. Florian Fricke, PhD**, Assistant Professor, Department of Microbiology & Immunology, and the Institute for Genome Sciences, was among the co-authors on “Characterization of the Bacterial Community of the Chemically Defended Hawaiian Sacoglossan *Elysia rufescens*” in *Applied and Environmental Microbiology*, 2013 Nov;79(22):7073-81.

► **Samuel Galvagno, Jr., DO, PhD**, Assistant Professor, Department of Anesthesiology, was among the co-authors on “Practical Considerations For the Dosing and Adjustment of Continuous Renal Replacement Therapy in the Intensive Care Unit” in the *Journal of Critical Care*, 2013 Jul 24, pii: S0883-9441(13)00143-3.

► **Anthony Harris, MD, MPH**, Professor, and **Daniel Morgan, MD, MS**, Assistant Professor, both from the Department of Epidemiology & Public Health, were among the co-authors on “Use of Gloves and Gowns for All Patient Contact in ICUs Does Not Reduce Overall Rate of Acquiring MRSA or VRE,” published October 4 on the *JAMA* website, to coincide with a presentation on the study at the IDWeek 2013 Conference.



## PUBLICATIONS *continued*

- ▶ **Isabel Jackson, PhD**, Assistant Professor, and **Zeljko Vujaskovic, MD, PhD**, Professor, both from the Department of Radiation Oncology, were among the authors on “Do Variations in Mast Cell Hyperplasia Account for Differences in Radiation-Induced Lung Injury Among Different Mouse Strains, Rats and Nonhuman Primates?” in *Radiation Research*, 2013 Aug;180:216–221. Dr. Vujaskovic was also among the authors of “Phase 1 Trial of Neoadjuvant Radiation Therapy Before Prostatectomy for High-Risk Prostate Cancer” in the *International Journal of Radiation Oncology Biology Physics*, 2013 Sep 1;87:88–93; and “SOD Therapeutics: Latest Insights Into Their Structure-Activity Relationships and Impact Upon the Cellular Redox-Based Pathways” in *Antioxidants & Redox Signaling*, 2013 Oct 1 [Epub ahead of print].
- ▶ **Katja Langen, PhD**, Associate Professor, Department of Radiation Oncology, was among the co-authors on “Image-Guided Radiation Therapy (IGRT) Technologies for Radiation Therapy Localization and Delivery” in *International Journal of Radiation Oncology Biology Physics*, 2013 Sep 1;87:33–45.



Miriam Laufer, MD, MPH

- ▶ **Miriam Laufer, MD, MPH**, Associate Professor, Departments of Pediatrics and Medicine, was among the co-authors on “Timing of Malaria Infection During Pregnancy Has Characteristic Maternal, Infant and Placental Outcomes” in *PLoS One*, 2013 Sep 18;8(9):e74643.
- ▶ **Matthew Laurens, MD, MPH**, Assistant Professor, Department of Pediatrics; **Kirsten Lyke, MD**, Associate Professor, and **Christopher Plowe, MD, MPH**, Professor, both from the Department of Medicine, were among the co-authors on “Protection Against Malaria By Intravenous Immunization With a Non-Replicating Sporozoite Vaccine” in *Science*, 2013 Sep 20;341(6152):1359-65. They worked with colleagues from the NIH Vaccine Research Center, the U.S. Military’s Malaria Vaccine Research and Development program, and Sanaria Inc., to test a highly promising malaria candidate vaccine that showed 100% protection against an experimental malaria challenge.
- ▶ **Steven Ludwig, MD**, Professor, Department of Orthopaedics, was among the co-authors on “Does Smoking Have an Impact on Fusion Rate in Single-Level Anterior Cervical Discectomy and Fusion with Allograft and Rigid Plate Fixation?” in *Journal of Neurosurgery: Spine*, 2013 Aug 30 [Epub ahead of print].

▶ **Crystal Massie, PhD, OTR**, Postdoctoral Fellow, Department of Physical Therapy & Rehabilitation Sciences, was the lead author on “Effects of Motor Cortical Stimulation During Planar Reaching Movement” in the *Journal of Rehabilitation Robotics*, 2013;1(1), 42-53.

▶ **Monica McArthur, MD, PhD**, Instructor, Department of Pediatrics; **Marcelo Szein, MD**, Professor, Department of Pediatrics; and **Robert Edelman, MD, FACP**, Clinical Professor, Department of Medicine, all also from the Center for Vaccine Development, were among the co-authors on “Dengue Vaccines: Recent Developments, Ongoing Challenges and Current Candidates” in *Expert Review of Vaccines*, 2013 Aug;12(8):933-953.



Crystal Massie, PhD, OTR



Minesh Mehta, MB, ChB

▶ **Minesh Mehta, MB, ChB**, Professor, Department of Radiation Oncology, was among the authors on “New Validated Prognostic Models and Prognostic Calculators in Patients With Low-Grade Gliomas Diagnosed by Central Pathology Review: A Pooled Analysis of EORTC/RTOG/NCCTG Phase III Clinical Trials” in *Neuro-Oncology*, 2013 Sep 18 [Epub ahead of print]; on “Response Assessment in Neuro-Oncology (RANO) Group. Challenges Relating to Solid Tumour Brain Metastases in Clinical Trials, Part 1: Patient Population, Response, and Progression. A Report From the RANO Group” and “Part 2: Neurocognitive, Neurological, and Quality-of-Life Outcomes” in *Lancet Oncology*, 2013 Sep;14:e396–e410; on “Memantine For the Prevention of Cognitive Dysfunction in Patients Receiving Whole-Brain Radiotherapy: A Randomized, Double-Blind, Placebo-Controlled Trial” in *Neuro Oncology*, 2013 Oct;15:1429-1437; on “A Phase 3 Trial of Whole Brain Radiation Therapy and Stereotactic Radiosurgery Alone Versus WBRT & SRS With Temozolomide or Erlotinib For Non-Small Cell Lung Cancer and 1 to 3 Brain Metastases: Radiation Therapy Oncology Group 0320: In Regard to Sperduto et al.” in the *International Journal of Radiation Oncology Biology Physics*, 2013 Aug 1;86:809–810; and on “RTOG 0913: A Phase 1 Study of Daily Everolimus (RAD001) in Combination with Radiation Therapy and Temozolomide in Patients with Newly Diagnosed Glioblastoma” in the *International Journal of Radiation Oncology Biology Physics*, 2013 Aug 1;86:880–884.

## PUBLICATIONS *continued*

► **Ayse Mindikoglu, MD, MPH**, Assistant Professor, and **Matthew Weir, MD**, Professor, both from the Department of Medicine, were co-authors on “Current Concepts in the Diagnosis and Classification of Renal Dysfunction in Cirrhosis” in the *American Journal of Nephrology*, 2013;38(4):345-54.

► **Mark Mishra, MD**, Assistant Professor, Department of Radiation Oncology, was among the authors on “Identifying Barriers to Patient Acceptance of Active Surveillance: Content Analysis of Online Patient Communications” in *PLoS One*, 2013 Sep;8:e68563.



Nilesh Mistry, PhD

► **Nilesh Mistry, PhD**, Professor; **Xiutao Shi, PhD**, Postdoctoral Fellow; **Steven Feigenberg, MD**, professor; and **Warren D'Souza, PhD**, Professor, all from the Department of Radiation Oncology, were among the authors of “Evaluation of Fractional Regional Ventilation Using 4D-CT and Effects of Breathing Maneuvers On Ventilation,” e-published on September 21 ahead of print in the *International Journal of Radiation Oncology Biology Physics*.

► **Garry Myers, PhD**, Assistant Professor, Department of Microbiology & Immunology, and **Jacques Ravel, PhD**, Professor, Department of Microbiology & Immunology, and Associate Director of Genomics, Institute for Genome Sciences, were among the co-authors on “Genus-Optimized Strategy for the Identification of Chlamydial Type III Secretion Substrates” in *Pathogens and Disease*, 2013 Jul 19 [Epub ahead of print]. Dr. Ravel and **Claire Fraser, PhD**, Professor, Departments of Medicine, Microbiology & Immunology and Director, Institute for Genome Sciences, were among the co-authors on “Probiotics: Finding the Right Regulatory Balance” in *Science*, 2013 Oct 18;342(6156):314-5.

► **Robert O'Toole, MD**, Associate Professor, and **Christina Boulton, MD**, Assistant Professor, both from the Department of Orthopaedics, were among the co-authors on “Do Locking Screws Work in Plates Bent at Holes?” in *The Journal of Orthopaedic Trauma*, 2013 Aug 14 [Epub ahead of print]. Dr. O'Toole and **Jason Nascone, MD**, Associate Professor, were among the co-authors on “Does a Trochanteric Lag Screw Improve Fixation of Vertically Oriented Femoral Neck Fractures? A Biomechanical Analysis in Cadaveric Bone” in *Clinical Biomechanics* (Bristol, Avon), 2013 Aug 30 [Epub ahead of print]. Dr. O'Toole

and **Ebrahim Paryavi, MD**, Chief Resident, were among the co-authors on “Perioperative Supplemental Oxygen to Reduce Surgical Site Infection after Open Fixation of High-Risk Fractures: A Randomized Controlled Pilot Trial” in *Journal of Trauma and Acute Care Surgery*, 2013 Oct;75(4):657-663.

► **Y. Veronica Pei, MD, MPH, MEd**, Assistant Professor, Department of Emergency Medicine, was the author on “Intrahepatic Hematoma Requiring Hepatic Artery Embolization: A Rare Complication of Extracorporeal Shock Wave Lithotripsy” in the *American Journal of Emergency Medicine*, 2013 Sep;31(9):1425.e1-2.

► **Jerimy Polf, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors on “Tumor Spheroids as an In Vitro Model For Determining the Therapeutic Response to Proton Beam Radiotherapy and Thermally Sensitive Nanocarriers” in *Theranostics*, 2013 Aug;21:687–691; and “Measurement of Characteristic Prompt Gamma Rays Emitted From Oxygen and Carbon in Tissue-Equivalent Samples During Proton Beam Irradiation” in *Physics in Medicine and Biology*, 2013 Sep 7;58:5821–5831.

► **Feyruz Rassool, PhD**, Associate Professor, and **Carine Robert, PhD**, Postdoctoral Fellow, both from the Department of Radiation Oncology, were among the authors on “Oxidative Stress Leads to Increased Mutation Frequency in a Murine Model of Myelodysplastic Syndrome” in *Leukemia Research*, 2013 Aug [Epub ahead of print]. Dr. Rassool was also among the authors on “Personalized Synthetic Lethality Induced by Targeting RAD52 in Leukemias Identified by Gene Mutation and Expression Profile” in *Blood*, 2013 Aug 15;122:1293–1304.

► **Terez Shea-Donohue, PhD**, Professor, Department of Radiation Oncology, was among the authors on “Combined Blockade of IL-17A and IL-17F May Prevent the Development of Experimental Colitis,” in *Immunotherapy*, 2013 Sep;5:923–925. Dr. Shea-Donohue was also among the co-authors on “Selenium Status Alters the Immune Response and Expulsion of Adult *Heligmosomoides bakeri* Worms in Mice” in *Infection and Immunity*, 2013 Jul;81:2546–2553; and “Gut Microbiota, Tight Junction Protein Expression, Intestinal Resistance, Bacterial



Feyruz Rassool, PhD



Terez Shea-Donohue, PhD

## PUBLICATIONS *continued*

Translocation and Mortality Following Cholestasis Depend on the Genetic Background of the Host” in *Gut Microbes*, 2013 Jul-Aug;4:292–305.



Cedric Yu, PhD

► **Cedric Yu, PhD**, Professor; **Steven Feigenberg, MD**, Professor; **William Regine, MD**, Professor; and **Yildirum Mutaf, PhD**, Assistant Professor, all from the Department of Radiation Oncology, were among the authors on “Dosimetric Comparison Between Intra-Cavitary Breast Brachytherapy Techniques for Accelerated Breast Irradiation and a Novel Stereotactic Radiotherapy Device for Breast Cancer: GammaPod™” in *Physics in Medicine and Biology*, 2013 Jul;58:4409–4421.

► **Hao Howard Zhang, PhD**, Instructor, and **Warren D’Souza, MD**, Professor, both from the Department of Radiation Oncology, were among the authors on “Predicting Pathologic Tumor Response to Chemoradiotherapy with Histogram Distances Characterizing Longitudinal Changes in <sup>18</sup>F-FDG Uptake Patterns” in *Medical Physics*, 2013 Oct;40:101707. Drs. Zhang and D’Souza, along with **Byong Yong Yi, PhD**, Professor, Department of Radiation Oncology, were also among the authors on “Beam Controlled Arc Therapy—A Delivery Concept for Stationary Targets” in *Physics in Medicine and Biology* 2013 Oct;58:7117–7129. Dr. D’Souza was also among the authors of “Maintaining Tumor Targeting Accuracy in Real-Time Motion: Compensation Systems for Respiration-Induced Tumor Motion” in *Medical Physics*, 2013 Jul;40:071709.



Rui-Xin Zhang, PhD

► **Rui-Xin Zhang, PhD**, Assistant Professor, Center for Integrative Medicine, and **Brian Berman, MD**, Professor, Department of Family & Community Medicine, and Director, Center for Integrative Medicine, were among the co-authors on “DAMGO in the Central Amygdala Alleviates the Affective Dimension of Pain in a Rat Model of Inflammatory Hyperalgesia” in *Neuroscience*, 2013 Nov 12;252:359-66, and on “Electroacupuncture Inhibits Spinal Interleukin-17A to Alleviate Inflammatory Pain in a Rat Model” in *The Open Pain Journal*, 2013 Jun; 6:183-189. Dr. Zhang was also lead author on “Osteoarthritis Pain Mechanisms: Basic Studies in Animal Models” in *Osteoarthritis and Cartilage*, 2013 Sep;21(9):1308-15.

## NEW FACULTY



*We welcome our new faculty!*

► **Rebecca Carter, MD**, has joined the Department of Pediatrics as an Assistant Professor. Dr. Carter is a 2010 graduate of the University of Maryland School of Medicine. She did her internship in Pediatrics at the Children’s National Medical Center from 2010–2011, followed by a Pediatrics residency there from 2011–2013. Dr. Carter is Board eligible in General Pediatrics and holds current certifications in Basic Life Support/Pediatric Advanced Life Support and Neonatal Advanced Life Support.

► **Elizabeth Lamos, MD**, has joined the Department of Medicine as an Assistant Professor. Dr. Lamos is a graduate of the University of Maryland School of Medicine and did her residency in Internal Medicine at the University of Maryland Medical Center (UMMC), where she also did a fellowship in the Division of Endocrinology, Diabetes and Metabolism. Her clinical specialties include Type 1 and Type 2 diabetes, including the use of continuous glucose monitors and insulin pumps; thyroid disease, including thyroid biopsy; and general endocrine disorders, including pituitary and calcium disorders.

► **Regina Macatangay, MD**, has joined the Department of Pediatrics as an Assistant Professor. She earned her medical degree from the University of Maryland School of Medicine in 2006, followed by a Pediatrics residency at UMMC’s Hospital for Children. She was also chief resident at UMMC, serving as a hospitalist attending with teaching responsibilities; scheduling; and providing clinical coverage in the Pediatric Ambulatory Clinic from 2009–2010. Dr. Macatangay followed this with a fellowship in Pediatric Hematology/Oncology at the Memorial Sloan-Kettering Cancer Center and New York Presbyterian Hospital-Weill Cornell Medical College from 2010–2013. She is a member of the American Academy of Pediatrics.

► **Stephanie Stein, MD**, has joined the Department of Medicine as an Assistant Professor. Dr. Stein earned her medical degree from the George Washington University School of Medicine, did a residency in Internal Medicine at UMMC, and then did a fellowship at UMMC in the Division of Endocrinology, Diabetes and Metabolism. Dr. Stein has a particular research interest in monogenic diabetes syndromes resulting from a change in a single gene. This is in contrast to the more-common type 1 or type 2 diabetes that results from a complex combination of genetic and non-genetic factors. She also has a special interest in treating patients with pituitary, thyroid, and metabolic bone disorders.





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

- ▶ **Karen Kotloff, MD**, Professor, Department of Pediatrics and Center for Vaccine Development, has received a 10-year contract from the National Institutes of Allergy and Infectious Disease (NIAID) designating the University of Maryland and eight other research centers throughout the U.S. as Vaccine Treatment and Evaluation Units (VTEUs). The contract provides up to \$135 million annually to conduct clinical trials and studies of vaccines, diagnostics and therapeutics to combat existing and emerging infectious diseases of public health importance (see page 2 of Somnews for more information).
- ▶ **Miriam Laufer, MD, MPH**, Associate Professor, Departments of Pediatrics & Medicine; **Matthew Laurens, MD, MPH**, Assistant Professor, Departments of Pediatrics & Medicine; and **Kirsten Lyke, MD**, Associate Professor, Department of Medicine, all also with the Center of Vaccine Development, have received funding for two sub-studies to be conducted for one-year as part of a clinical trial being conducted by Drs. Laufer & Laurens entitled “Clinical Trial of Trimethoprim-Sulfamethoxazole or Chloroquine in Adults on ART.” The first sub-study, entitled “Mass Cytometry Analysis of T and B Cell Immune Exhaustion in Response to Chronic Malaria Infection in HIV Co-Infected Malawian Adults,” is funded for \$259,620. The second one, entitled “Effect of Malaria Infection on ART-Resistant HIV Virus Subpopulation Replication,” is funded for \$75,000.
- ▶ **David Loane, PhD**, Assistant Professor, Department of Anesthesiology and Center for Shock Trauma and Anesthesiology Research (STAR), was recently awarded a four-year, \$1,358,687 NIH R01 research grant from the National Institute of Neurological Disorders and Stroke (NINDS) for his research on “Microglial Activation Phenotypes and Mechanisms of Repair In the Aged TBI Brain.”
- ▶ **Emmanuel Mongodin, PhD**, Assistant Professor, Department of Microbiology & Immunology and Institute for Genome Sciences, has received a five-year \$3,474,076 award from the U.S. Food and Drug Administration (FDA) and the National Institutes of Health (NIH) for “Exploring Tobacco Microbial Constituents and the Oral Microbiome of Tobacco Users.” **Claire Fraser, PhD**, Professor, Departments of Medicine, Microbiology & Immunology and Director, Institute for Genome Sciences, is co-investigator on this study. The project is part of The University of Maryland Tobacco Center of Regulatory

Science (UMD TCORS) initiative “Rapid Response Characterization of New and Manipulated Tobacco Products,” a \$19 million center recently awarded to **Pamela Clark, PhD**, Research Professor, University of Maryland College Park (UMCP) School of Public Health. UMD TCORS will include three major research studies focused on new and manipulated tobacco products, led by research experts from the University of Maryland and the Batelle Memorial Institute: 1. Toxicity Testing Through Measurement of Exposure to Harmful and Potentially Harmful Constituents (led by Battelle’s Dr. Granville); 2. Characterizing Consumer Acceptance and the Likelihood That a Person Will Use/Become Addicted to the Product (led by UMD’s Dr. Clark); and 3. Exploring the Bacterial Communities Present in Tobacco and the Role They May Play In the Development of Infectious and Chronic Diseases Among Tobacco Users (co-led by Dr. Mongodin and UMCP’s Dr. Sapkota).

- ▶ **Jacques Ravel, PhD**, Professor, Department of Microbiology & Immunology, and Associate Director for Genomics, Institute for Genome Sciences, received a five-year, \$2,698,000 RO1 grant from the National Institute for Nursing Research at NIH to study “Influence of Modifiable Factors on the Vaginal Microbiota and Preterm Birth.” The grant was awarded in partnership with **Mary Regan, PhD, RN**, Assistant Professor, University of Maryland School of Nursing. Dr. Ravel also received a five-year, \$2,650,000 RO1 grant from the National Institute for Nursing Research at NIH to study “Revealing the Role of the Cervico-Vaginal Microbiome in Spontaneous Pre-term Birth.” The grant was awarded in partnership with Michal Elovitz, MD, Professor, University of Pennsylvania.



Jacques Ravel, PhD



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

- ▶ The School of Medicine’s **Student National Medical Association (SNMA)** held its annual CommUNITY Fest at Lexington Market on September 21. The event was a huge success, with participation not just from medical students but from volunteers all across the University of Maryland, Baltimore schools. Health



Jeanine Reyes, Barathi Sivasailam,  
Andrew Delapenha, Rochelle Arbuah

## COMMUNITY SERVICE *continued*

information about a variety of ailments was presented, and patrons participated in blood pressure screenings, posture and flexibility screenings, CPR instruction and oral hygiene screenings.

## HONORS & AWARDS



*Congratulations to the following who have received honors!*

► **LaToya Bates, MSSA, LCSW-C**, Director of the Center for Infant and Child Loss in the Department of Pediatrics, won the “Child Advocate Award of the Year” from MDAAP (Maryland Chapter, American Academy of Pediatrics). The voting was very close this year, and the chapter was thrilled to have the opportunity to recognize all of LaToya’s efforts on behalf of Maryland’s kids. She was honored during an awards luncheon on October 5 at the chapter’s annual Leffler Lecture at the Howard County General Hospital Wellness Center.

## HONORS & AWARDS *continued*

► **Niharika Khanna, MBBS, MD, DGO**, Associate Professor, Department of Family and Community Medicine, visited the White House in September as a nominee for the “Champions of Change for Public Health and Prevention” award. Dr. Khanna received the recognition for her role in promoting advanced primary care practice and public health in Maryland. She is pictured here with Dr. Howard Koh, Assistant Secretary for Health, U.S. Department of Health and Human Services.



► **Dionne Rebello, MS-III**, has been selected as a Foundation of the Consortium of Multiple Sclerosis Centers (CMSC) Research Scholar. She will be working with **Walter Royal, III, MD**, Professor, Department of Neurology, on her proposed project “Effects of Cigarette Smoke Exposure on Brain Endothelial Cell Tight Junction Proteins in EAE,” which she will present at the 2014 CMSC annual meeting in Dallas, TX, next May.

► Several MD/PhD students received awards at the 36th Annual Medical Student Research Day on September 17: **Molly Hritz** (MS II) won First Prize in the Oral Session I section; **Sai Divakaruni** (MS II) won First Prize in the Oral session II section; **Carolyn Rosinsky** (MS II) won Third Prize in the Oral Session II section, and **Andrew Wescott** (MS II) won Second Prize in the Oral Session III event.

## Buzz Contacts

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 above) that you would like to see in the *Buzz* to the appropriate person within your department, program, center or office.

### Anatomy & Neurobiology:

Leslie Fitzpatrick

### Anesthesiology:

Pamela Earle-Jackson

### Biochemistry & Molecular Biology:

Qun Zhou

### Dermatology:

Betsy Satosky

### Diagnostic Radiology & Nuclear

Medicine: Nan Knight

### Emergency Medicine:

Linda Kesselring

### Epidemiology & Preventive

Medicine: Yimei Wu

### Family & Community Medicine:

Karen Webster

### Medical & Research Technology:

Cynthia Stambach

### Medicine:

Molly Lutz

### Microbiology & Immunology:

Teri Robinson

### Neurology:

Penelope Birkhead

### Neurosurgery:

Terry Roberts

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tive Sciences: Robin Kissinger

### Ophthalmology:

Chinneta Pettaway-

Willis

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Dori Kelly

### Otorhinolaryngology:

Bryan Ambro

### Pathology:

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### Program in Neuroscience:

Tom McHugh

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Stephen Long

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Cynthia Rivers

### Center for Health Policy & Health

Services Research: Maurice Walker

### Center for Integrative Medicine:

Rebekah Owens

### Center for Mucosal Biology

Research (MBRC): Pam King

### Center for Research on Aging:

Kara Longo

### Center for Shock, Trauma and Anes-

thesiology Research (STAR-ORC):

Jane Anderson

### Center for Stem Cell Biology &

Regenerative Medicine

Fulliscia Morrison

### Center for Vaccine Development:

Carey Martin

### Center for Vascular & Inflammatory

Diseases: Talia Bailey

### Institute for Autoimmunity and

Inflammation: Susie Flaherty

### Institute for Genome Sciences:

Riham Keryakos

### Institute of Human Virology:

Nora Grannell

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Allied Health and  
Graduate Students!

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for Students

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