

what's the buzz?

Self-Reported News from the School of Medicine Community

EVENTS, LECTURES



& WORKSHOPS

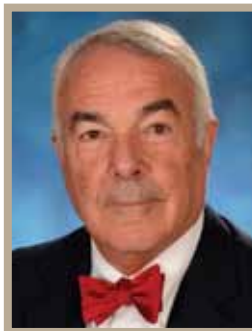
Kudos to our colleagues who are experts in their fields and give their all to represent the School of Medicine!



Adnan Bhutta, MBBS, FAAP

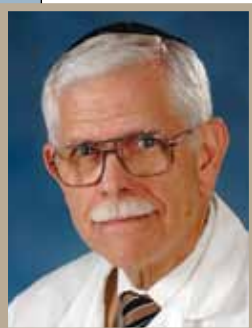
► **Adnan Bhutta, MBBS, FAAP**, Associate Professor, Department of Pediatrics, was an invited speaker at the 14th Shaukat Khanum Cancer Symposium, an international conference held in Lahore, Pakistan, where he presented “Hemodynamic Management of Critically Ill Children with Malignancies.” He also gave Pediatric Grand Rounds on “Quality Improvement in Pediatrics” at the Children’s Hospital and The Institute of Child Health in Lahore.

► **Alan Cross, MD**, Professor of Medicine, Institute for Global Health, presented “Back to the Future: Anti-Endotoxin Vaccines for the Prevention and Treatment of Sepsis” at Vaccine R&D 2015 on November 3 in Baltimore. He also was an invited panelist for an FDA Public Workshop on “Non-Microbial Biomarkers of Infection for In Vitro Diagnostic Device Use” on October 16 at the FDA in Silver Spring, MD.



Alan Cross, MD

► **Robert Edelman, MD**, Professor of Medicine, Institute for Global Health, presented Department of Medicine Grand Rounds on “Biological Terrorism: What Health Care Professionals Should Know” on October 22 at Sinai Hospital Medical Center in Baltimore.



Robert Edelman, MD

► **Benjamin Lawner, DO, MS, EMT-P**, Assistant Professor, Department of Emergency Medicine, delivered the keynote address “Critical Care in the Air—and Everywhere!” at the 2015 East-

ern Shore Emergency and Critical Care Symposium, held at Chesapeake College in Wye Mills, MD, on November 12. This annual conference is sponsored by Maryland ExpressCare, the regional communications and critical care transport system, and attended by critical care transport and hospital-based professionals from the University of Maryland Medical System network. Also on the faculty for this year’s event were **Walter Atha, MD**, Clinical Assistant Professor, Department of Emergency Medicine; **Jenifer Fahey, CNM, MPH**, Assistant Professor, Department of Obstetrics & Gynecology; **Marcella Wozniak, MD, PhD**, Associate Professor, Department of Neurology; **Lewis Rubinson, MD, PhD**, Associate Professor, Department of Medicine; **Thomas Chiccone, MD**, Clinical Assistant Professor, Department of Emergency Medicine; **Dayanand Bagdure, MBBS, MPH**, Assistant Professor, Department of Pediatrics; **Colonel Raymond Fang, MD**, Clinical Associate Professor, Department of Surgery, and Director, US Air Force Center for Sustainment of Trauma and Readiness Skills (C-STAR); and **Lisa Booze, PharmD**, Clinical Coordinator, Maryland Poison Center, University of Maryland School of Pharmacy.

► **David Rasko, PhD**, Associate Professor of Microbiology & Immunology, Institute for Genome Sciences, presented “Comparative Genomics and Transcriptomics” at the University of Pennsylvania Department of Microbiology on November 20. Dr. Rasko also presented “Comparative Genomics and Transcriptomics For the Study of Pathogenesis” at Uniformed Services University of the Health Sciences, Department of Microbiology & Immunology, on November 30.

► **Jacques Ravel, PhD**, Professor of Microbiology & Immunology, and Associate Director, Genomics, Institute for Genome Sciences, participated in the CNRS-sponsored HPV/Micro-



Benjamin Lawner, DO, MS, EMT-P



David Rasko, PhD

EVENTS, LECTURES & WORKSHOPS *continued*



Jacques Ravel, PhD

biota workshop in Montpellier, France, on November 13, where he gave a keynote presentation on “Interactions Between the Vaginal Microbiota, the Host and Sexually Transmitted Infections.”

► **Paul Welling, PhD**, Professor, Department of Physiology, was the keynote lecturer at the 8th International Aldosterone Meeting in Zermatt, Switzerland in October, and was a featured lecturer at the American Society of Nephrology Annual Meeting in San Diego, CA, in November. His talks highlighted recent discoveries of his laboratory on the molecular bases of sodium and potassium balance, which are transforming our understanding of salt retention in hypertension.

APPOINTMENTS



We applaud our colleagues on their recent appointments!

► **Janine Good, MD**, Associate Professor, Department of Neurology, has been appointed by the American Headache Society Board of Directors to lead a special Interest section on Electronic Medical Records (EMR). Goals and objectives of this section will be to: inventory what systems headache specialists are using, share tools for optimizing systems to fine-tune best practices, workflows, content, patient management/engagement, identify ways to improve end-user and patient satisfaction using the EMR, and, lastly, identify ways EMR data may be shared across systems, state, and nation.

► **Miriam Laufer, MD, MPH**, Associate Professor of Pediatrics, Institute for Global Health, was recently appointed as a Section Editor for the *American Journal of Tropical Medicine and Hygiene*.

► **Susan Mendley, MD**, Associate Professor, Department of Pediatrics, has been appointed to a five-year term as Editor-in-Chief of *Pediatric Research*, the official journal of the societies of SPR (Society for Pediatric Research), APS (American Pediatrics Society), and the European SPR, effective January 1.



Miriam Laufer, MD, MPH

GRANTS &



CONTRACTS

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

► **Steve Feigenberg, MD**, Professor, Department of Radiation Oncology, received a grant for up to \$202,933 from Alliance Foundation Trials, LLC, as site PI for the clinical trial “ABT-888: A Phase 1 Dose Escalation and Phase 2 Randomized Placebo-Controlled Study of the Efficacy and Tolerability of Veliparib in Combination With Paclitaxel/Carboplatin-Based Chemoradiotherapy Followed by Veliparib and Paclitaxel/Carboplatin Consolidation in Subjects With Stage III Non-Small Cell Lung Cancer (NSCLC).”

► **Brian Johnson**, Graduate Student, Department of Physical Therapy & Rehabilitation Science, has received a two-year, \$3,000 Behavioral Research Grant from Qualtrics to support research to investigate how bimanual functional performance influences daily functional activities for individuals with stroke utilizing an online survey.

► **Minesh Mehta, MB, ChB**, Professor, Department of Radiation Oncology, received a grant for up to \$2,844 from Adelphi Values LLC, for participation in the clinical trial “Qualitative Caregiver and Patient Interviews: Understanding the Impact of Whole Brain Radiation Therapy on Patients With Non-Small Cell Lung Cancer With Brain Metastases.”



Elias Melhem, MD, PhD

► **Elias Melhem, MD, PhD**, Professor and the Dean John M. Dennis Chairman, Department of Diagnostic Radiology & Nuclear Medicine, received a \$114,425 grant from GE for “Comparative Study of Conventional 1.5 and 3.0T MR Images With Synthetically Reconstructed MR Images.” The study involves evaluating a novel technique that has the potential for reducing the length of MRI exam times.



Steve Feigenberg, MD



Minesh Mehta, MB, ChB



PUBLICATIONS

Hats off to those who have been published!



Clement Adebamowo, BM,
ChB, ScD

► **Clement Adebamowo, BM, ChB, ScD**, Professor of Epidemiology & Public Health, Institute of Human Virology, was last author on “Influence of Spirituality and Modesty on Acceptance of Self-Sampling for Cervical Cancer Screening” in *PLoS One*, 2015 Nov 3;10(11):e0141679.

► **Vlado Antonic, PhD**, Faculty Research Associate, Department of Radiation Oncology, was among the co-authors on “Fire on Cruise Ships—An Underestimated Risk in Travel Medicine” in *Travel Medicine and Infectious Disease*, 2015 Nov-Dec;13(6):509-10.



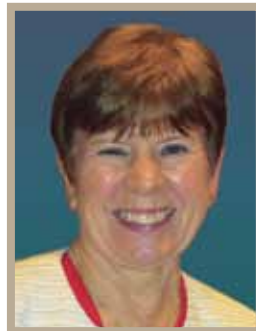
Vlado Antonic, PhD

► **Cynthia Bearer, MD, PhD**, the Mary Gray Cobey Professor of Neonatology, and **Sandra Mooney, MD**, Associate Professor, both from the Department of Pediatrics, were among the co-authors on “Choline Ameliorates Deficits in Balance Caused by Acute Developmental Ethanol Exposure” in *Cerebellum*, 2015 Aug;14(4):413-20. Drs. Bearer and Mooney, along with **Alison Falck, MD**, Assistant Professor; **Shiv Kapoor, MD**, Assistant Professor; and **Dina El-Metwally, MB, BCh, PhD**, Assistant Professor, all also from the Department of Pediatrics, were among the co-authors on “Developmental Exposure to Environmental Toxicants” in *Pediatric Clinics of North America*, 2015 Oct;62(5):1173-97. Dr. Bearer was also a co-author on “Expanding Research, Relevance and Reach” in *Pediatric Research*, 2016 Jan;79(1-1):2.



Cynthia Bearer, MD, PhD

► **Maureen Black, PhD**, the John A. Scholl, MD, and Mary Louise Scholl, MD, Professor in Pediatrics, was among the co-authors on “Integrating Nutrition and Child Development Interventions: Scientific Basis, Evidence of Impact, and Implementation Considerations” in *Advances in Nutrition*, 2015 Nov;6(6):852-9.



Maureen Black, PhD

► **Sara Boudová, MD/PhD Student**; **Titus Divala, MD**, a Physician working with Dr. Miriam Laufer's clinical trials in Malawi; **Lauren Cohee, MD**, Infectious Diseases Fellow in Pediatrics; and **Miriam Laufer, MD, MPH**, Associate Professor of Pediatrics, all from the Institute for Global Health, were among the co-authors on “The Prevalence of Malaria at First Antenatal Visit in Blantyre, Malawi Declined Following a Universal Bed Net Campaign” in *Malaria Journal*, 2015 Oct 29;14(1):422.

► **Delia Chiaramonte, MD**, Assistant Professor of Family & Community Medicine, and Associate Director and Director of Education, Center for Integrative Medicine; **Chris D'Adamo, PhD**, Assistant Professor of Family & Community Medicine, and Director of Research, Center for Integrative Medicine; and **Sania Amr, MD**, Professor, Department of Epidemiology & Public Health, co-authored “Implementation of an Integrative Medicine Curriculum for Preventive Medicine Residents” in *American Journal of Preventive Medicine*, 2015 Nov;49(5 Suppl 3):S249-S256.



Delia Chiaramonte, MD

► **Rob Creath, PhD**, Assistant Professor, and **Mark Rogers, PT, PhD, FAFTA**, Professor and Chair, both from the Department of Physical Therapy & Rehabilitation Science, were among the co-authors on “Variability of Anticipatory Postural Adjustments During Gait Initiation in Individuals With Parkinson Disease” in *Journal of Neurophysiology*, 2015 Dec 1 [Epub ahead of print].

► **Alan Cross, MD**, Professor of Medicine, Institute for Global Health, was among the co-authors on “Phase 1 Testing of Detoxified LPS/Group B Meningococcal Outer Membrane Protein Vaccine With and Without Synthetic CPG 7909 Adjuvant for the Prevention and Treatment of Sepsis” in *Vaccine*, 2015 Nov 27;33(48):6719-6726.

► **Barry Daly, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Cross-Sectional Imaging of Thoracic and Abdominal Complications of Cerebrospinal Fluid Shunt Catheters” in *Emergency Radiology*, 2015 Nov 26 [Epub ahead of print]. He was also among the co-authors on “The First Use of Postmortem 3D Computed Tomography Images as Evidence in U.S. Criminal Courts: A Report of Four Cases” in *Academic Forensic Pathology*, 2015;5(3):650-661, and the invited review “The Current and Potential Future Role of Postmortem Computed Tomography in Medicolegal Death Investigation” in *Academic Forensic Pathology*, 2015;5(4):590-602.

PUBLICATIONS *continued*



Vasken Dilsizian, MD

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was a co-author on the Editorial page “Molecular Imaging: From Deep Pearl Diving to Enlightenment” in *Journal of the American College of Cardiology Cardiovascular Imaging*, 2015 Dec;8(12):1472-1474.

► **Richard Eckert, PhD**, the John F.B. Weaver Professor and Chair, Department of Biochemistry & Molecular Biology, and colleagues published multiple manuscripts describing identification of epidermal cancer stem cell survival proteins as prevention and therapy targets, including “Transglutaminase Is a Tumor Cell and Cancer Stem Cell Survival Factor” in *Molecular Carcinogenesis*, 2015 Oct; 54(10):947-958; “Type II Transglutaminase Stimulates Epidermal Cancer Stem Cell Epithelial-Mesenchymal Transition” in *Oncotarget*, 2015 August 21; 6(24): 20525–20539; “Survival Skin Cancer Stem Cells Requires the EzH2 Polycomb Group Protein” in *Carcinogenesis*, 2015 Jul;36(7):800-810; and “Transglutaminase Is Required for Epidermal Squamous Cell Carcinoma Stem Cell Survival” in *Molecular Cancer Research*, 2015 Jul;13(7):1083-94.

► **John Eley, PhD**, Assistant Professor, Department of Radiation Oncology, was among the co-authors on “In Reply to Sahadevan” in *International Journal of Radiation Oncology Biology Physics*, 2015 Dec 1;93:1164–1165.

► **Samuel Galvagno, Jr, DO, PhD, MS**, Associate Professor, Department of Anesthesiology; **Robert Sikorski, MD**, Assistant Professor, Department of Anesthesiology; **Jon Mark Hirshon, MD, MPH, PhD**, Professor, Department of Emergency Medicine; and **Douglas Floccare, MD, MPH**, Clinical Assistant Professor, Department of Emergency Medicine, co-authored “Helicopter Emergency Medical Services for Adults with Major Trauma” in the *Cochrane Database of Systematic Reviews*, 2015 Dec 15;12:CD009228.

► **Ann Gruber-Baldini, PhD**, Professor; **Denise Orwig, PhD**, Associate Professor; and **Jay Magaziner, PhD**,



Richard Eckert, PhD



Ann Gruber-Baldini, PhD

MS Hyg, Professor and Chair, all from the Department of Epidemiology & Public Health, were among the co-authors on “Rehabilitation Interventions for Older Individuals With Cognitive Impairment Post-Hip Fracture: A Systematic Review” in *Journal of the American Medical Directors Association*, 2015 Nov 20 [Epub ahead of print].

► **Michelle Hines, PharmD**, Emergency Medicine Pharmacy Resident; **Tareq Al-Salamah, MBBS, MPH**, Administrative Fellow in Emergency Medicine; and **Emily Heil, PharmD**, Clinical Assistant Professor, School of Pharmacy, in collaboration with **Haney Mallemat, MD**, Assistant Professor; **Michael Witting, MD, MS**, Associate Professor; **Michael Winters, MD**, Associate Professor; and **Bryan Hayes, PharmD**, Clinical Assistant Professor, all from the Department of Emergency Medicine, and **J. Kristie Johnson, PhD**, Associate Professor, Department of Pathology, were among the co-authors on “Resistance Patterns of *Escherichia coli* in Women with Uncomplicated Urinary Tract Infection Do Not Correlate with Institutional Antibiogram” in *Journal of Emergency Medicine*, 2015 Dec, 49(6):998-1003. Based on culture results from otherwise healthy women with uncomplicated urinary tract infections treated in UMMC’s emergency department, the authors suspect that hospital antibiograms overestimate *E. coli* resistance rates for several antibiotics.



Xiaofeng Jia, BM, PhD

► **Xiaofeng Jia, BM, PhD**, Associate Professor, Departments of Neurosurgery and Orthopaedics, was the senior author on “Information-Theoretical Quantifier of Brain Rhythm Based on Data-Driven Multiscale Representation” in *Biomedical Research International*, 2015 Nov 12 [Epub ahead of print].

► **Katja Langen, PhD**, Associate Professor, Department of Radiation Oncology, was among the co-authors on “Physics: The Use of Magnetic Resonance Imaging For Radiation Therapy is Accelerating in Utility and Novelty” in *International Journal of Radiation Oncology Biology Physics*, 2015 Dec 1;93(5):953-956.

► **Richard Lichenstein, MD**, Professor of Pediatrics, was lead author on “Television-Related Head Injuries in Children: A Secondary Analysis of a Large Cohort Study of Head-Injured Children in the Pediatric Emergency Care Applied Research Network” in *Pediatric Emergency Care*, 2015 Nov 6 [Epub ahead of print].



Katja Langen, PhD

PUBLICATIONS *continued*



Erik Lillehoj, PhD

► **Erik Lillehoj, PhD**, Associate Professor, Department of Pediatrics, co-authored the article “Dietary Capsicum and *Curcuma longa* Oleoresins Increase Intestinal Microbiome and Necrotic Enteritis in Three Commercial Broiler Breeds” in *Research in Veterinary Science*, 2015 Oct;102:150-158.

► **Jolinta Lin, MD**, Resident; **Mu-Han Lin, PhD**, Assistant Professor; **Andrea Hall**, Senior Dosimetrist; **Bin Zhang**, Associate Chief Dosimetrist; and **William Regine, MD**, the Isadore & Fannie Schneider Foxman Chair and Professor, all from the Department of Radiation Oncology, were among the co-authors on “Comparison of Bolus Electron Conformal Therapy Plans to Traditional Electron and Proton Therapy to Treat Melanoma in the Medial Canthus” in *Practical Radiation Oncology*, 2015 Nov 11 [Epub ahead of print].

► **Joseph Martinez, MD**, Associate Professor, and **Adam Geroff, MD**, Assistant Professor, both from the Department of Emergency Medicine, published a clinical image and patient vignette about Sister Mary Joseph’s nodule in the Visual Diagnosis column of *The Journal of Emergency Medicine*, 2016 Jan;50:123-124.

► **Susan Mendley, MD**, Associate Professor, Department of Pediatrics, was among the co-authors on “Duration of Chronic Kidney Disease Reduces Attention and Executive Function in Pediatric Patients” in *Kidney International*, 2015;87(4):800-6.

► **Pranshu Mohindra, MD**, Assistant Professor, Department of Radiation Oncology, was among the co-authors on “Simulation Study of High-Dose-Rate Brachytherapy for Early Glottic Cancer” in *Brachytherapy*, 2016 Jan-Feb;15(1):94-101.

► **Daniel Morgan, MD**, Associate Professor, Department of Epidemiology & Public Health, was first author on “Update on Medical Practices That Should Be Questioned in 2015”



Pranshu Mohindra, MD



Joseph Martinez, MD

in *JAMA Internal Medicine*, 2015 Dec 1;175(12):1960-1964. Dr. Morgan was also a co-author with **Max Masnick**, Doctoral Candidate, Program in Epidemiology and Human Genetics; **John Sorkin, MD, PhD**, Professor, Department of Medicine; and **Jessica Brown, PhD**, Assistant Professor, and **Anthony Harris, MD, MPH**, Professor, both from the Department of Epidemiology & Public Health, on “Lack of Patient Understanding of Hospital-Acquired Infection Data Published on the Centers for Medicare and Medicaid Services Hospital Compare Website” in *Infection Control and Hospital Epidemiology*, 2016 Feb;37(2):182-187.

► **Giora Netzer, MD**, Associate Professor, Department of Medicine; **Sarah Murthi, MD**, Clinical Associate Professor, Department of Surgery; and **Gordon Smith, MB, ChB, MPH**, Professor, Department of Epidemiology & Public Health, were among the co-authors on “Injured Patients With Very High Blood Alcohol Concentrations” in *Injury*, 2016 Jan;47(1):83-88.



Michelle Pearce, PhD

► **Michelle Pearce, PhD**, Assistant Professor of Family & Community Medicine, Center for Integrative Medicine, was among the co-authors on “Effects of Religious Versus Standard Cognitive Behavioral Therapy on Optimism in Persons with Major Depression and Chronic Mental Illness” in *Depression and Anxiety*, 2015 Nov;32(11):835-42. She was also among the co-authors on “Religious Coping Among Adults Caring for Family Members with Serious Mental Illness” in *Community Mental Health Journal*, 2016 Feb;52(2):194-202.

► **Girish Ramachandran, PhD**, Research Associate, and **Alan Cross, MD**, Professor of Medicine, both from the Institute for Global Health, were among the co-authors on “Potential Role of Autophagy in the Bactericidal Activity of Human PMNs for *Bacillus anthracis*” in *Pathogens and Disease*, 2015 Dec;73(9):ftv080.

► **Gauri Sabnis, PhD**, Research Associate, and **Angela Brodie, PhD**, Professor, both from the Department of Pharmacol-



Daniel Morgan, MD



Girish Ramachandran, PhD

PUBLICATIONS *continued*

ogy; **Todd Gould, MD**, Associate Professor, Department of Psychiatry; and **Istvan Merckenthaler, MD, PhD**, Professor, Department of Epidemiology & Public Health, were among the co-authors on “The Bioprecursor Prodrug 10 β ,17 β -dihydroxyestra-1,4-dien-3-one Delivers 17 β -estradiol Selectively to the Female Brain” in *Science Translational Medicine*, 2015;7(297):297ra113.



Bryan Soronson, MPA,
FACMPE, CRA

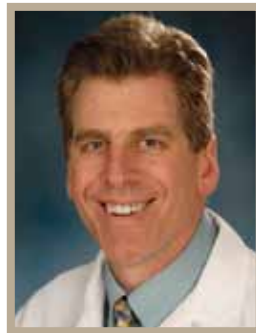
► **Bryan Soronson, MPA, FACMPE, CRA**, Administrator, Department of Neurology, was a co-author on the three-article series “How Neurologists Are Paid” in *Neurology Clinical Practice*, 2015 Sep 17 [Epub ahead of print].

► **Sripriya Sundararajan, MD**, Assistant Professor; **Cynthia Bearer, MD, PhD**, the Mary Gray Cobey Professor of Neonatology; and **Dina El Metwally, MD**, Assistant Professor, all from the Department of Pediatrics, were among the co-authors on “Toxic Metal Contamination of Banked Blood Designated for Neonatal Transfusion” in *Journal of Clinical Toxicology*, 2015 Sep 31 [Epub ahead of print]. Drs. Sundararajan and Bearer were also among the co-authors on “Neonatal Gabapentin Withdrawal Syndrome” in *Pediatric Neurology*, 2015 Nov;53(5):445-7, and

they co-authored a book chapter on “Role of Environmental Epigenetics in Perinatal and Neonatal Development” in *Epigenetics, the Environment, and Children’s Health Across Lifespans*, published by Springer in November 2015.

► **Charles White, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “A Case of Complete Unroofed Coronary Sinus Syndrome Combined With Coronary Sinus Stenosis Leading to Asymptomatic Presentation” in *Iranian Journal of Radiology*, 2015 Jul 22;12(3):e16063.

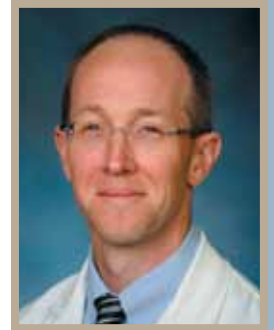
► **Michael Witting, MD, MS**, Associate Professor, Department of Emergency Medicine, and **Getachew Teshome, MD, MPH**, Assistant Professor, Department of Pediatrics, were among the co-authors on “Emergency Diagnostic Testing for Pediatric Nonfebrile Seizures” in *American Journal of Emergency Medicine*, 2015 Sep;33:1261-1264. Their co-authors were **Ashley Strobel, MD**, and **Vikramjit Gill, MD**, who were residents in UMMC’s combined emergency medicine/pediatrics program at the time of the study.



Michael Witting, MD, MS

► A number of faculty and medical center staff contributed chapters to the second edition of *Ciottono’s Disaster Medicine*, which was published by Elsevier in November. This book is considered an authoritative text regarding the preparation for, assessment of, and response to natural and man-made disasters. Among the 200 chapter contributors from around the world were Department of Emergency Medicine faculty members **Fermin Barrueto, MD**, Clinical Associate Professor; **Benjamin Lawner, DO, MS, EMT-P**, Assistant Professor; **Debra Lee, MD**, Assistant Professor; **Kinjal Sethuraman, MD, MPH**, Assistant Professor; **Jerrilyn Jones, MD**, Assistant Professor; and **David Freeman, MS, NRP**, Clinical Instructor. Contributors from the University of Maryland Medical Center were **Elizabeth Kencz, MD**, Emergency Medicine Resident (at the time of manuscript preparation); **Alexander Skog, BA**, Emergency Medicine Research Assistant; **James Chang, BS, MS**, Director of Safety and Environmental Health; **Diana Clapp, RN, CCRN, BSN, NRP**, Quality Improvement Coordinator and EMS Liaison, Shock Trauma Center; and **Nicole Mullendore, MSN, CRNP**, Nurse Practitioner, Adult Emergency Department.

► The February issue of *Emergency Medicine Clinics of North America* contained articles written by two Department of Emergency Medicine faculty members. **Michael Winters, MD**, Associate Professor, and **Michael Allison, MD**, a 2015 graduate of the University of Maryland’s six-year emergency medicine/internal medicine/critical care medicine residency, contributed the article “Non-invasive Ventilation for the Emergency Physician” (34:51–62), and **Haney Mallemat, MD**, Assistant Professor, co-authored the article “Emergency Department Treatment of the Mechanically Ventilated Patient” (34:63–75). **Amal Mattu, MD**, Professor, Department of Emergency Medicine, and Consulting Editor for the *Clinics* series, wrote the foreword to this issue, the topic of which was respiratory emergencies.



Michael Winters, MD

► The November 2015 issue of *Health Physics* was a special issue authored entirely by **Thomas MacVittie, PhD**, Professor, Department of Radiation Oncology, and his research group. The topics and authors/co-authors from the Department were:

- **Thomas MacVittie, PhD**, Professor: “The Delayed Effects of Acute Radiation Syndrome: Evidence of Long-Term Functional Changes in the Clonogenic Cells of the Small Intestine” (2015;109:399–413).
- **Thomas MacVittie, PhD**, Professor; **Ann Farese, MA, MS**, Assistant Professor; **Kory Barrow**, Research Specialist; **Kaitlyn Kieta**, Research Specialist; **Cheryl Taylor-Howell**, Research Specialist; **Sean Kearney**, Research Specialist; **Cassandra Smith**,

PUBLICATIONS *continued*



Thomas MacVittie, PhD

Lab Supervisor; and **Allison Gibbs**, Lab Supervisor: “A MALDI-MSI Approach to the Characterization of Radiation-Induced Lung Injury and Medical Countermeasure Development” (2015;109:466–478).

- **Thomas MacVittie, PhD**, Professor; **Pranshu Mohindra, MD**, Assistant Professor; **Kory Barrow**, Research Specialist; **Bradley Ruehle**, Research Assistant; **Jordan Parker**, Research Assistant; **Elisa Swartz**, Research Specialist; **Cheryl Taylor-Howell**, Research Specialist; **Kaitlyn Kieta**, Research Specialist; **Travis Dobbin**, Research Assistant; and **Adam Baron**, Research Assistant: “The Evolving MCART Multimodal Imaging Core: Establishing a Protocol for Computed Tomography and Echocardiography in the Rhesus Macaque to Perform Longitudinal Analysis of Radiation-Induced Organ Injury” (2015;109:479–492).

- **Ann Farese, MA, MS**, Assistant Professor; **Kim Hankey, PhD**, Research Associate; and **Thomas MacVittie, PhD**, Professor: “Lymphoid and Myeloid Recovery in Rhesus Macaques Following Total Body X-Irradiation” (2015;109:414–426).

- **Ann Farese, MA, MS**, Assistant Professor; **Thomas MacVittie, PhD**, Professor; and **Alex Bennett**, Research Lead Specialist: “Comparing the Hematopoietic Syndrome Time Course in the NHP Animal Model to Radiation Accident Cases From the Database Search” (2015;109:493–501).

- **Kim Hankey, PhD**, Research Associate; **Ann Farese, MA, MS**, Assistant Professor; **Thomas MacVittie, PhD**, Professor; and **Alex Bennett**, Research Lead Specialist: “Citruilline as a Biomarker in the Non-Human Primate Total- and Partial-Body Irradiation Models: Correlation of Circulating Citruilline to Acute and Prolonged Gastrointestinal Injury” (2015;109:440–451).

- **Ann Farese, MA, MS**, Assistant Professor, and **Thomas MacVittie, PhD**, Professor: “Citruilline as a Biomarker in the Murine Total-Body Irradiation Model: Correlation of Circulating and Tissue Citruilline to Small Intestine Epithelial Histopathology” (2015;109:452–465).

- **Thomas MacVittie, PhD**, Professor; **Ann Farese, MA, MS**, Assistant Professor; **Karl Prado, PhD**, Professor; **Alex Bennett**, Research Lead Specialist; **Cheryl Taylor-**



Ann Farese, MA, MS

Howell, Research Specialist; **Cassandra Smith**, Lab Supervisor; and **Allison Gibbs**, Lab Supervisor: “The Effect of Radiation Dose and Variation in Neupogen® Initiation Schedule on the Mitigation of Myelosuppression During the Concomitant GI-ARS and H-ARS in a Nonhuman Primate Model of High-Dose Exposure With Marrow Sparing” (2015;109:427–439).

- **Thomas MacVittie, PhD**, Professor, and **Ann Farese, MA, MS**, Assistant Professor: “The Hematopoietic Syndrome of the Acute Radiation Syndrome in Rhesus Macaques: A Systematic Review of the Lethal Dose Response Relationship” (2015;109:342–366).

- **Thomas MacVittie, PhD**, Professor: “The MCART Consortium Animal Model Series: MCART Animal Model Refinement and MCM Development: Defining Organ Dose, Organ-Specific Tissue Imaging, Model Validation and the Natural History Between the Acute Radiation Syndrome (ARS) and the Delayed Effects of Acute Radiation Exposure (DEARE)” (2015;109:335–341).

- **Thomas MacVittie, PhD**, Professor: “The H-ARS Dose Response Relationship (DRR): Validation and Variables” (2015;109:391–398).

- **Thomas MacVittie, PhD**, Professor; **Karl Prado, PhD**, Professor; and **Alex Bennet**, Research Lead Specialist: “Mean Organ Doses Resulting From Non-Human Primate Whole Thorax Lung Irradiation Prescribed to Mid-Line Tissue” (2015;109:367–373).

- **Ann Farese, MA, MS**, Assistant Professor, and **Thomas MacVittie, PhD**, Professor: “An Interlaboratory Validation of the Radiation Dose Response Relationship (DRR) for H-ARS in the Rhesus Macaque” (2015;109:502–510).

- **Thomas MacVittie, PhD**, Professor: “Delayed Effects of Acute Radiation Exposure in a Murine Model of the H-ARS: Multiple-Organ Injury Consequent to <10 Gy Total Body Irradiation” (2015;109:511–521).

- **Pei Zhang, PhD**, Postdoctoral Fellow; **Wanchang Cui, PhD**, Research Associate; **Kim Hankey, PhD**, Research Associate; and **Thomas MacVittie, PhD**, Professor; **Allison Gibbs**, Lab Supervisor; **Cassandra Smith**, Lab Supervisor; **Cheryl Taylor-Howell**, Research Specialist; and **Sean Kearney**, Research Specialist: “Increased Expression of Connective Tissue Growth Factor (CTGF) in Multiple Organs After Exposure of Non-Human Primates (NHP) to Lethal Doses of Radiation” (2015;109:374–390).



Karl Prado, PhD

HONORS & AWARDS



Congratulations to the following who have received honors!

- ▶ **Neha Bhooshan, MD, PhD**, and **James Snider, III, MD**, both Chief Residents in the Department of Radiation Oncology, received Scholar Awards from the Lurie Cancer Center to support travel and attendance at the Lynn Sage Breast Cancer Symposium/Scholars Program, held October 29 through November 1 in Chicago, IL.
- ▶ **Steven Czinn, MD**, Chair of the Department of Pediatrics, was named the Rouben and Violet Jiji Foundation Professor of Pediatrics on December 1.
- ▶ **Thomas Hornyak, PhD**, Associate Professor, and **Bishal Tandukar**, Graduate Student, both from the Department of Biochemistry & Molecular Biology, received a Prize of Excellence for the presentation “Quiescence and Proliferative Properties of Melanocyte Stem Cell Subpopulations in Bulge and Secondary Hair Germ Region of Hair Follicle” at the Annual Meeting of the Pan-American Society for Pigment Cell Research held in Orange, CA, from September 27–30, 2015.



Steven Czinn, MD

IN THE NEWS



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

- ▶ **Brian Berman, MD**, Professor of Family & Community Medicine and Director, Center for Integrative Medicine, was quoted extensively in the December issue of *Baltimore Magazine* in a section called “Another Way to Wellness.”
- ▶ **Colleen Hughes Driscoll, MD**, Assistant Professor, Department of Pediatrics, appeared on WBAL-TV 11 News on November 24, 2015, where she spoke about the treatment of newborns with opiate exposure.
- ▶ **Julie Dunning Hotopp, PhD**, Associate Professor of Microbiology & Immunology, Institute for Genome Sciences, was quoted in the December 7, 2015 *Washington Post* article “When Labs Clash Over Tardigrade DNA, That’s Just Science Working as It Should.”
- ▶ **Matthew Laurens, MD, MPH**, Associate Professor of Pediatrics, Center for Vaccine Development, was quoted in the November 5, 2015 *Washington Post* story “Unsettling Finding From CDC Investigation: Tapeworms Can Transmit Cancer Cells to Humans.” Because of this, he was contacted by CNN and asked to write an opinion piece on “How Can a Tapeworm Cause Cancer?” that was published online on November 9.



Julie Dunning Hotopp, PhD

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.

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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
Microbiology & Immunology:
Teri Robinson

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Neurosurgery: Mari Jo Pohlner

Obstetrics, Gynecology & Reproductive Sciences: Robin Kissinger

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Center for Research on Aging:
Kara Longo

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Attention all SOM Medical, Allied Health and Graduate Students!

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