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

- **Cynthia Bearer, MD, PhD, FAAP**, Professor, Department of Pediatrics, was an invited speaker for the Board Chair of the Children’s Environmental Health Network. Her topic was “The Importance of Taking an Environmental History—Health Care Professionals Can Play Key Roles in Identifying Common Environmental Hazards That May Be Present in a Child’s Environment and Providing Guidance to Parents on Preventive Measures and Treatment Options.” This presentation, adapted from the soon-to-be-released “Pediatric Environmental Health: Putting It Into Practice” module titled “Environmental History Taking,” reviews toxicants commonly encountered by children and adolescents, and highlights the importance of integrating environmental history taking into clinical practice. Dr. Bearer was also an invited speaker during Pediatric Grand Rounds in the Department of Pediatrics at Maria Fareri Children’s Hospital, New York Medical College, on October 9, 2013. Her topic was “What’s an Environmentalist Doing in the NICU?”

- **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was nominated to be the highlight speaker for Cardiology at the 14th Annual Multispecialty Conference on Medical Negligence and Risk Management, held in Los Cabos, Mexico, in early January. The topics of his talks were “Dysrhythmias in the Emergency Department: Myths and Pitfalls,” “Emergency Department Care of Avoidable Disasters,” and “Cooling the Fire! Modern Management of Cardiac Arrest.”

- **Amal Mattu, MD**, Professor, Department of Emergency Medicine, presented three lectures at the 14th Annual Multispecialty Conference on Medical Negligence and Risk Management, held in Los Cabos, Mexico, in early January. The topics of his talks were “Dysrhythmias in the Emergency Department: Myths and Pitfalls,” “Emergency Department Care of Avoidable Disasters,” and “Cooling the Fire! Modern Management of Cardiac Arrest.”

- **Mayur Narayan, MD, MPH, MBA**, Assistant Professor, Department of Surgery, presented “Reduction of Repeat Imaging in Patients Transferring to a Level One Trauma Center Decreases Cost and Radiation Exposure” at the Eastern Association for the Surgery of Trauma (EAST) annual conference in Naples, FL.

- **Silke Niederhaus, MD**, Assistant Professor, Department of Surgery, presented a poster titled “Maximizing Living Donor Transplants Through National PKE Programs” at the American Society of Transplant Surgeons 2014 Winter Symposium in Miami in January.

- **Jason Pasley, DO**, Clinical Assistant Professor, Department of Surgery, presented “Intraosseus Infusion Rates Under High Pressure: A Cadaver Study” at the 2014 Society of Nuclear Medicine and Molecular Imaging Annual Meeting, which will be held from June 7–11 in St. Louis, MO.
We applaud our colleagues on their recent appointments!

▶ Cynthia Bearer, MD, PhD, FAAP, Professor, Department of Pediatrics, has been appointed as a Survey Advisor for the Top Doctor survey in Baltimore Magazine.

▶ Thomas Hornyak, PhD, Associate Professor, Departments of Dermatology and Biochemistry & Molecular Biology, has been selected as President-Elect of the Pan-American Society for Pigment Cell Research (PASPCR). He will serve as President-Elect from 2014–2016, and as the President from 2017–2019.

▶ Karen Kotloff, MD, Professor, Department of Pediatrics and Head, Division of Infectious Diseases & Tropical Pediatrics, was appointed to the Food and Drug Administration’s Vaccines and Related Biological Products Advisory Committee for a four-year term. The Committee consists of a core of 12 voting members, who review and evaluate data and provide advice to the Commissioner of Food and Drugs concerning the safety, effectiveness, and appropriate use of vaccines and related biological products intended for human use, for which the FDA has regulatory responsibility.
Hats off to those who have been published!

- **Homayara Aziz, MD**, Instructor, Department of Obstetrics, Gynecology and Reproductive Sciences, was the author of “A Simple Technique of Laparoscopic Port Closure” in the *Journal of the Society of Laparoendoscopic Surgeons*, 2013 Oct-Dec; 17(4): 672–674.


- **Lindsay Black, PhD**, Professor, Department of Biochemistry & Molecular Biology, was among the co-authors on “The C-Terminal Domain of the Bacteriophage T4 Terminase Docks on the Prohead Portal Clip Region During DNA Packaging” in *Virology*, 2013 Nov;446(1-2):293-302.

- **A-Lien Lu-Chang, PhD**, Professor, Department of Biochemistry & Molecular Biology, was among the co-authors on “Mammalian MutY Homolog (MYH or MUTYH) Protects Cells From Oxidative DNA Damage” in *DNA Repair*, 2014 Jan;13:10-21.

- **Wengen Chen, MD, PhD**, Assistant Professor, and **Vasken Dilsizian, MD**, Professor, both from the Department of Diagnostic Radiology & Nuclear Medicine, were the primary and senior authors, respectively, on “The Potential of FDG PET/CT for Early Diagnosis of Cardiac Device and Prosthetic Valve Infection Before Morphologic Damages Ensue” in *Current Cardiology Reports*, 2014, February;16:459.

- **Marcus Chibucos, PhD**, Research Associate, Department of Microbiology & Immunology and the Institute for Genome Sciences, was among the co-authors on “Draft Genome Sequences of Human Pathogenic Fungus Geomyces pamnorum Sensu Lato and Bat White Nose Syndrome Pathogen Geomyces (Pseudogymnoascus) destructans” in *Genome Announcements*, 2013 Dec 19;1(6):e01045-13.

- **Christopher D’Adamo, PhD**, Assistant Professor, Department of Family & Community Medicine, and Director of Research, Center for Integrative Medicine, was lead author on “Soy Foods and Supplementation: A Review of Commonly Perceived Health Benefits and Risks” in *Alternative Therapies in Health and Medicine*, 2014 Jan;20 Suppl 1:39-51.

- **Alex Drohat, PhD**, Associate Professor, Department of Biochemistry & Molecular Biology, was among the co-authors on “Structure of Human Apurinic/Apyrimidinic Endonuclease 1 With the Essential Mg2+ Cofactor” in *Acta Crystallographica*, 2013 Dec;69(Pt 12):2555-62; and “Coordination of MYH DNA Glycosylase and APE1 Endonuclease Activities via Physical Interactions” in *DNA Repair*, 2013 Dec;12(12):1043-52.

- **W. Florian Fricke, PhD**, Assistant Professor, Department of Microbiology & Immunology; **Cynthia Maddox**, Research Specialist; and **Yang Song, PhD**, Postdoctoral Fellow, all from the Institute for Genome Sciences, were among the authors on “Human Microbiota Characterization in the Course of Renal Transplantation” in the *American Journal of Transplantation*, 2013 Dec 26 [Epub ahead of print].

- **Rajender Gattu MD**, Associate Professor; **Getachew Teshome, MD, MPH**, Associate Professor; **Christian Wright, MD**, Assistant Professor; and **Richard Lichenstein, MD**, Professor, all from the Department of Pediatrics, were among the co-authors on “Interhospital Pediatric Patient Transfers—Factors Influencing Rapid Disposition After Transfer” in *Pediatric Emergency Care*, 2014 Jan;30(1):26-30.

- **Thomas Grissom, MD, MSIS**, Associate Professor; **Samuel Galvagno, Jr., DO, PhD**, Assistant Professor; and **Bingren Peter Hu, PhD**, Professor, all from the Department of Anesthesiology, were among the co-authors on “Performance Assessment in Airway Management Training for Non-Anesthesiology
Trainees: An Analysis of 4,282 Airway Procedures Performed at a Level-1 Trauma Center” in Anesthesiology, 2014 Jan;120(1):185-95.

- Jeff Hawk, MPT, MDE, MBA, Director of Instructional Technology, Department of Physical Therapy & Rehabilitation Sciences, was the lead author on “SECTIONS Model: Strategizing Technology-Based Instruction in Physical Therapist Education” in the Journal of Physical Therapy Education, 2014;28(1):69-75. Department co-authors included Elizabeth Anne Reicherter, PT, DPT, PhD, Associate Professor and Karen Gordes, PT, DSc, PT, PhD, Assistant Professor.

- Nancy Knight, PhD, Associate Professor, Department of Radiation Oncology, was among the co-authors on “Targeted Radionuclide Therapy: Proceedings of a Joint Workshop Hosted By the National Cancer Institute and the Society of Nuclear Medicine and Molecular Imaging,” in The Journal of Nuclear Medicine, 2014 Jan 6 [Epub ahead of print].

- John LaMattina, MD, Assistant Professor; Steven Hanish, MD, Associate Professor; Shane Ottmann, MD, Clinical Assistant Professor; and Rolf Barth, MD, Associate Professor, all from the Department of Surgery, along with David Klassen, MD, Professor; Darryn Potosky, MD, Assistant Professor; and William Hutson, MD, Professor, all from the Department of Medicine, were among the co-authors on “Safety of Belatacept Bridging Immunosuppression in Hepatitis C-Positive Liver Transplant Recipients with Renal Dysfunction” in Transplantation, 2014 Jan 27;97(2):133-7. Dr. LaMattina and Jonathan Bromberg, MD, PhD, Professor, Department of Surgery, were among the co-authors on “Literature Watch Implications for Transplantation: Transplantation of a Recellularized Rate Renal Scaffold” in the American Journal of Transplantation, 2014 Jan;14(1):3.

- Katja Langen, PhD, Associate Professor, Department of Radiation Oncology, was among the authors of “A Virtual Phantom Library for the Quantification of Deformable Image Registration Uncertainties in Patients With Cancers of the Head and Neck” in Medical Physics, 2013 Nov;40(11):111703.
Publications continued

- **Minesh Mehta, MB, ChB**, Professor, Department of Radiation Oncology, was among the co-authors on “Memory Preservation With Conformal Avoidance of the Hippocampus During Whole-Brain Radiation Therapy for Patients with Brain Metastases: Primary Endpoint Results of RTOG 0933,” in the *International Journal of Radiation Oncology, Biology, Physics*, 2013 Dec 1;87:1186, and on “A Roundtable Discussion on the Clinical Challenges and Options for the Treatment of Glioblastoma: Introducing a Novel Modality, TTFields,” in *Seminars in Oncology*, 2013 Dec;40:S2–S4.

- **Sandra Mooney, PhD**, Associate Professor, Department of Pediatrics, was senior author on “Acute Prenatal Exposure to a Moderate Dose of Yalproic Acid Increases Social Behavior and Alters Gene Expression in Rats” in the *International Journal of Developmental Neuroscience*, 2013;31(8):740-750. She was also senior author on “Acute Exposure to Ethanol on Gestational Day 15 Affects Social Motivation of Female Offspring” in *Behavioral Brain Research*, 2014 Mar 15;261:106-9.

- **Andrew Neuwald, PhD**, Professor, Department of Biochemistry & Molecular Biology, was among the co-authors on “A Bayesian Sampler for Optimization of Protein Domain Hierarchies” in the *Journal of Computational Biology*, 2014 Feb 4 [Epub ahead of print].

- **Chris Wells, PT, PhD**, Clinical Associate Professor, Department of Physical Therapy & Rehabilitation Sciences, was among the co-authors on “Exposure to Therapy of Older Patients With Trauma and Factors That Influence Provision of Therapy” in *Physical Therapy*, 2014 Jan;94:40-51.

- **Zjelko Vujaskovic, MD, PhD**, Professor, Department of Radiation Oncology, was among the co-authors on “Components of a Hyperthermia Clinic: Recommendations for Staffing, Equipment, and Treatment Monitoring” in the *International Journal of Hyperthermia*, 2013 Dec 18 [Epub ahead of print]. He and **I. Lauren Jackson, PhD**, Assistant Professor, and **Pu-Ting Xu, PhD**, Assistant Professor, were also among the co-authors on “Characterization of the Dose Response Relationship for Lung Injury Following Acute Radiation Exposure in Three Well-Established Murine Strains: Developing an Interspecies Bridge to Link Animal Models With Human Lung” in *Health Physics*, 2014 Jan;106:48–55.

- **Jill Whitall, PhD**, Professor, and **Sandra McCombe Waller, PT, PhD, MS**, Associate Professor, both from the Department of Physical Therapy and Rehabilitation Sciences, were among the co-authors on “Does the Use of an Auditory Cue Facilitate the Motor Control and Contribute to the Rehabilitation of Upper Extremity Movements After Stroke” in *Music Therapy Perspectives*, 2013;31(1):40-49.

- **Hao Howard Zhang, PhD**, Instructor; **Warren D’Souza, PhD, MBA**, Professor; and **Wei Lu, PhD**, Assistant Professor, Department of Radiation Oncology, were among the co-authors on “Individually Optimized Uniform Contrast Enhancement in CT Angiography for the Diagnosis of Pulmonary Thromboembolic Disease: A Simulation Study” in *Medical Physics*, 2013 Dec;40(12):121906.
Congratulations to our very productive faculty on their recent grants and contracts!

- **Cynthia Bearer, MD, PhD, FAAP**, Professor, Department of Pediatrics, has been awarded a three-year, $302,056 grant from the National Institute on Alcohol Abuse and Alcoholism for “Interactive Effect of Environmental Exposures and Alcohol in the Navajo Birth Cohort.” She is also principal investigator on a three-year, $411,000 grant from the Maryland Department of Health and Mental Hygiene to support the Center for Infant and Child Loss.

- **Anthony Kim, PhD**, Assistant Professor, Department of Neurosurgery, received a one-year, $100,000 Research Starter Grant in Pharmaceutics from the Pharmaceutical Research and Manufacturers of America (PhRMA) Foundation for “Fn14-targeted Therapeutics for Invasive Brain Cancer.”

- **Andrew Neuwald, PhD**, Professor, Department of Biochemistry & Molecular Biology, has been awarded an eight-month, $164,000 contract from the NIH to develop computational and statistical methods for automating and enhancing the National Center for Biotechnology Information (NCBI) conserved domain database.

- **Katherine Tkaczuk, MD**, Professor, Department of Medicine and Director of the University of Maryland Breast Evaluation and Treatment Program, received a Maryland Industry Partnership (MIPS) Grant to study a breast cancer-associated protein, Glycoprotein 88, as a screening test for breast cancer. GP-88 was discovered by Ginette Serrero, MD, co-founder and CEO of A&G Pharmaceutical Inc. Studies conducted by Dr. Tkaczuk & Dr. Serrero at the University of Maryland Greenebaum Cancer Center have shown that levels of GP-88 are elevated in the blood of patients with breast cancer. The MIPS grant will support a prospective study at the University of Maryland, with the plan to accrue approximately 700 healthy women at average risk for breast cancer who are undergoing screening mammography; serial blood samples for GP-88 will be tested simultaneously.

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

- **Sunjay Kaushal, MD, PhD**, Associate Professor, Department of Surgery, traveled to Karkov, Ukraine in December 2013 to operate on children with congenital heart defects. He performed 10 cases and also provided training to the local cardiac surgeon and nursing staff.
Honors & Awards

Congratulations to the following who have received honors!

► Adnaan Moin, MD, Chief Resident, Department of Diagnostic Radiology & Nuclear Medicine, was given a Magna Cum Laude award for his education exhibit at the Radiological Society of North America’s 99th Scientific Assembly and Annual Meeting held in Chicago in December 2013. There were only 29 Magna Cum Laude awards out of 2,124 education exhibits. His work, under the guidance of Clint Sliker, MD, Assistant Professor, Department of Diagnostic Radiology & Nuclear Medicine, and Branko Bojovic, MD, Assistant Professor, Department of Surgery, illustrated the importance of various modalities of radiology in the planning and surveillance of the most extensive facial allotransplantation to date, completed in March 2012 at the R. Adams Cowley Shock Trauma Center at the University of Maryland Medical Center.

► Howard Richard, MD, Associate Professor, Department of Diagnostic Radiology & Nuclear Medicine, has been chosen as MedStar Good Samaritan Hospital's “Top Doc” winner for this quarter.

► Shannon Salyer, Administrative Analyst, Department of Physiology, received the distinction of making the Dean’s List for her undergraduate studies at the University of Maryland University College. This is the second such distinction in a row for Ms. Salyer. Shannon was the 2012/2013 recipient of the James T. Hill Scholarship for University of Maryland Baltimore Staff and has put her scholarship to good use by receiving this back-to-back recognition for her hard work.

► The Maryland Psychiatric Research Center (MPRC) held a plaque dedication ceremony on January 24 to honor William Carpenter, MD, Professor, Department of Psychiatry, for his more than 35 years as director of the MPRC. Dr. Carpenter stepped down as director last year to focus on research, research training, and program development.

► The JACQUES Initiative was chosen to receive the Dr. Martin Luther King Jr. Diversity Recognition Award for Outstanding UMB Staff at a ceremony on February 10. These awards are presented annually to honor individual or group achievement in the areas of diversity and inclusiveness, one of the core values here at the University of Maryland, Baltimore (UMB). Founded in 2003, the JACQUES Initiative is a program of the Institute of Human Virology at the School of Medicine. It employs a multidisciplinary, expert staff to address HIV primary care and outreach in Maryland. Most unique is the JACQUES Initiative’s active engagement in the community. More than 500 volunteers, including students, housewives, professionals, and members of the faith community, are engaged to perform HIV testing and outreach each year. In 2014, 20,000 citizens will be tested by a multidisciplinary team of health professionals who have incorporated routine HIV testing into their practice at the University of Maryland Medical Center.

In the News

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

► Brian Berman, MD, Professor, Department of Family & Community Medicine, and Director, Center for Integrative Medicine, was quoted in the NPR “Shots” article, “Western Scientists Look to Chinese Medicine for Fresh Leads” on January 18.

Maryland, Baltimore (UMB). Founded in 2003, the JACQUES Initiative is a program of the Institute of Human Virology at the School of Medicine. It employs a multidisciplinary, expert staff to address HIV primary care and outreach in Maryland. Most unique is the JACQUES Initiative’s active engagement in the community. More than 500 volunteers, including students, housewives, professionals, and members of the faith community, are engaged to perform HIV testing and outreach each year. In 2014, 20,000 citizens will be tested by a multidisciplinary team of health professionals who have incorporated routine HIV testing into their practice at the University of Maryland Medical Center.
New Faculty

We welcome our new faculty!

► Qi Cao, BM, MS, PhD, joined the Department of Diagnostic Radiology and Nuclear Medicine as an Adjunct Assistant Professor after completing post-graduate training at the University of Maryland Medical Center in 2013. Dr. Cao earned his BM and MS degrees from Anhui Medical University, Anhui, China and his PhD in Medical Science from the University of Newcastle, NSW, Australia. He has held academic appointments at Anhui Medical University, Mount Sinai School of Medicine in New York, and the University of South Florida. In May 2013, Dr. Cao was the recipient of the Roentgen Research Award, presented by the RSNA Research and Education Foundation. He currently serves as an investigator on two research grants, including the GE Healthcare/Radiology Society of North America Resident Research Grant “FDG Proline PET/CT Imaging in Molecular Imaging Diagnosis of Alcoholic Liver Disease” and “FDG Proline PET/CT Imaging in Molecular Imaging Diagnosis of Non-Alcoholic Liver Disease,” a Seed Grant for joint research between University of Maryland College Park and University of Maryland Baltimore.

► Anne Marie Lagoc, MD, has joined the Department of Pediatrics as an Assistant Professor in the Division of Pediatric Emergency Medicine. She received her MD in 1996 from Howard University College of Medicine, followed by an internship at the University of Medicine and Dentistry of New Jersey (NJ Medical School), from 1997–1998. She then followed this with a pediatrics residency at the University of Medicine and Dentistry of New Jersey (NJ Medical School) from 1998–2000. She also completed a pediatric emergency medicine fellowship at The Women and Children’s Hospital of Buffalo from 2000–2003.

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 Satsky
Diagnostic Radiology & Nuclear Medicine: Brigitte Poda
Emergency Medicine: Linda Kesselsring
Epidemiology & Preventive Medicine: Yimei Wu
Family & Community Medicine: Karen Webster
Medical & Research Technology: Cynthia Stambach
Medicine: Molly Lutz
Microbiology & Immunology: Teri Robinson
Neurology: Penelope Birnkrant
Neurosurgery: Mari Jo Pohlschwerdt
Obstetrics, Gynecology & Reproductive Sciences: Robin Kissinger
Ophthalmology: Chinneta Pettaway-Willis
Orthopaedics: Dori Kelly
Otorhinolaryngology: Bryan Ambro
Pathology: Rob Christenson
Pediatrics: Connie Ward
Pharmacology: TBD
Physical Therapy & Rehabilitation Science: Monica Martinez
Physiology: Ken Fahnestock
Psychiatry: Joe Porten-Brown
Radiation Oncology: Jill Rosenberg
Surgery: Meghan Scalea
Program in Comparative Medicine: Deborah Sanchez
Program in Genetics & Genomic Medicine: Ruth Cosentino
Program in Minority Health & Health Disparities: Maurice Walker
Program in Neuroscience: Tom McHugh
Program in Oncology: Stephen Long
Program in Trauma: Jane Anderson
Center for Health Policy & Health Services Research: TBD
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 Anesthesiology Research (STAR-ORC): Gabriela Felton
Center for Stem Cell Biology & Regenerative Medicine: Fulvia Morrison
Center for Vaccine Development: Carey Martin
Center for Vascular & Inflammatory Diseases: Talia Bailey
Institute for Genome Sciences: Riham Keryakos
Institute of Human Virology: Nora Grennell
MD/PhD Program: Jane Bacon
Office of Admissions: Mickey Foxwell

Office of Development: Rebecca Herman
Office of Faculty Affairs & Professional Development: Robertha Simpson
Office of Information Services: Sharon Bowser
Office of Policy & Planning: TBD
Office of Public Affairs: Caelie Haines
Office of Public Health Studies: Sharon Bower
Office of Research Career Development: Stacie Small Mendoza
Office of Research & Graduate Studies: Tom Hooven
Office of Student Affairs: Dawn Roberts
Office of Student Research: Jean Marie Roth

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

the buzz