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

- **Maureen Black, PhD, MA**, John A. Scholl, MD, and Mary Louise Scholl, MD, Endowed Professor, Department of Pediatrics, presented an invited lecture on “Making the Link Between Early Life Nutrition, Early Childhood Development, Cognition, and Later Life Health Outcomes” at Baystate Medical Center in Springfield, MA, on February 13, 2012, and an invited lecture at grand rounds on “Toddler Obesity Prevention: Healthy Lifestyle Behaviors from the Start,” at Baystate Children’s Hospital the next day. Additionally, she presented an invited lecture on “Global Strategies to Promote Health through Early Child Development” at Princeton University in Princeton, NJ, on February 15, and then was invited to participate in an international UNICEF event—Second Global Consultation, Early Childhood Development Research Agenda—at the Innocenti Center in Florence, Italy, from February 16–18.

- **Emilie Calvello, MD, MPH**, assistant professor, Department of Emergency Medicine, traveled to Nicaragua in February 2012 as a member of a team that trained hospital staff and medical students at La Mascota Children’s Hospital in Managua. The pediatric resuscitation training focused on CPR, basic and advanced life support, decontamination processes, proper handling of instruments, and sterilization procedures. The week-long trip was sponsored by the Surgeons of Hope Foundation in New York City and a Global Grant from the Ronald McDonald House Charities.

- **Brajesh Lal, MD**, associate professor, Department of Surgery, presented “Two-year Findings on Restenosis Rates from an Analysis of the CREST (Carotid Revascularization Endarterectomy Versus Stenting Trial) Study” at the American Stroke Association’s International Stroke Conference, held January 31 to February 3, 2012, in New Orleans.

- **Amal Mattu, MD**, professor, Department of Emergency Medicine, traveled to Singapore in February 2012 to serve as an Honorary Visiting Expert to the nation’s Ministry of Health. The general goal was to discuss the assessment and improvement of Singapore’s emergency health care system, with special focus on emergency medicine education, faculty development, emergency cardiology, and emergency geriatrics. During the same trip, Dr. Mattu was a visiting professor at five hospitals: Changi General Hospital, Tan Tock Seng Hospital, Khoo Tech Puat Hospital, Singapore General Hospital, and the National University of Singapore Hospital. In addition, he was the keynote speaker at the annual scientific conference of the Society for Emergency Medicine in Singapore and served as an external examiner at the society’s Emergency Medicine Exit Examination. In total, he presented 29 hours of lectures and workshops during this trip, on the topics of emergency cardiology, emergency geriatrics and faculty development.

- **Kevin Pereira, MBBS**, professor, Department of Otorhinolaryngology-Head & Neck Surgery, delivered the Dr. Acharya Memorial Oration at the annual meeting of the Association of Otolaryngologists of India-South Zone, on October 15, 2011 in Kerala, India. The title of his lecture was “Neonatal Tracheostomy: Current Trends and Techniques.”

- **Eliot Siegel, MD**, professor, Department of Diagnostic Radiology & Nuclear Medicine, and director of the School...
of Medicine’s Maryland Imaging Research Technologies Laboratory, recently delivered several keynote addresses, including “Educating Watson to Usher in a New Era of Intelligent, Vigilant, and Personalized Medicine” at the IBM Centers for Advanced Studies, part of the IBM 100th anniversary celebration in Toronto on November 8, 2011; “Imaging in Personalized Medicine Era,” at the 1st International Conference on Personalized Medicine, in Florence, Italy, on February 3; and “PACS: The Next 30 years,” at SPIE Medical Imaging in San Diego, CA, on February 8.

The Department of Diagnostic Radiology & Nuclear Medicine had a strong presence at the Radiological Society of North America (RSNA) Meeting in Chicago from November 28 to December 2, 2011. More than 30 faculty members and residents presented scientific talks, poster and electronic exhibits, and educational sessions. Several presenters were recognized with awards and invitations to submit research results in Radiology and RadioGraphics, RSNA’s peer-reviewed journals.

We welcome our new faculty!

Kristina Harris, PhD, joined the faculty of the Department of Pathology as an assistant professor in December 2011. She completed her doctorate in Molecular Medicine at the University of Maryland Graduate School in 2008, and since then has been working as a research associate in pathology. Dr. Harris is a member of the American Association of Immunologists, the International Society for Dendritic Cell & Vaccine Science, and the Society for Leukocyte Biology. Her research is focused on the role of monocyte-derived cells in the pathogenesis of celiac disease, an enteropathy triggered by dietary gluten in genetically susceptible individuals. However, her overall goal is to understand how tissue-derived signals influence monocytes to promote self-tolerance versus autoimmunity in humans.

Congratulations to the following who have received honors!

Maureen Black, PhD, MA, John A. Scholl, MD, and Mary Louise Scholl, MD, Endowed Professor, Department of Pediatrics, has been inducted into the Maryland Women’s Hall of Fame. Established in 1985 by the Maryland Commission for Women and the Women Legislators of Maryland, the Maryland Women’s Hall of Fame seeks to honor Maryland women who have made unique and lasting contributions to the economic, political, cultural, and social life of the state, and to provide visible models of achievement for tomorrow’s female leaders. Dr. Black was nominated by Jay Perman, MD, president of the University of Maryland Baltimore, who presented her with the award at the March 7 induction ceremony.

Michael Grasso, MD, PhD, assistant professor, Departments of Medicine and Emergency Medicine, has been elected to fellowship in the American College of Physicians.

William Olmsted, MD, clinical professor, Department of Diagnostic Radiology & Nuclear Medicine, who retired as editor of RadioGraphics at the end of 2011, was honored by the Radiological Society of North America on November 28, 2011, with a gala reception at the Palmer House Hilton in Chicago to celebrate his two decades of editorial leadership.

Thomas Scalea, MD, FACS, Francis X. Kelly Professor of Trauma Surgery in the Department of Surgery and director of the Program in Trauma, was this year’s recipient of the President’s Award from the Baltimore City Medical Society (BCMS). The Society’s highest award, it is given in recognition of exemplary service and steadfast commitment to patients, physicians and the larger community in improving the quality of health and well-being of all. The award was presented by outgoing BCMS president, Steven Gambert, MD, MACP, professor, Department of Medicine, at the Society’s annual President’s Gala, held at The Volmer Center at Cylburn Arboretum on March 3, 2012.

Richard Zhao, PhD, professor, Department of Pathology and the Institute of Human Virology, has been invited to join the editorial boards of PLoS ONE and the Journal of Clinical and Experimental Pathology.
Hats off to those who have been published!

- Mordecai Blaustein, MD, professor, Joseph Kao, PhD, professor, and Donald Matteson, PhD, associate professor, all from the Department of Physiology, recently published the textbook Cellular Physiology and Neurophysiology, 2nd Edition (2012) as part of the Mosby Physiology Monograph Series, Elsevier Mosby, Philadelphia, 337 pages.

- Uttam Bodanapally, MD, assistant professor, Kathirkama Shanmuganathan, MD, professor, Stuart Mirvis, MD, professor, Clint Sliker, MD, assistant professor, and Narendra Shet, MD, fourth-year resident, all of the Department of Diagnostic Radiology & Nuclear Medicine, published “Implementation of 24/7 Radiology Services in an Academic Medical Centre Level-1 Trauma Centre: Impact on Trauma Resuscitation Unit Length of Stay and Economic Benefit Analysis” in Injury, 2011 Nov 22 [Epub ahead of print]. Additionally, Dr. Shanmuganathan and Alex Boscak, MD, assistant professor, also published “Splenic Trauma: What is New?” in Radiology Clinics of North America, 2012 Jan;50(1):105–122.


- Karan Chopra, MS-IV, was a co-author on “An Effective Technique for Salvage of Cardiac-Related Devices” in Eplasty, 2012;12:e8 [Epub 2012 Jan 24]. Devinder Singh, MD, assistant professor, Department of Surgery, was senior author. The two were also co-authors on “Biorelent microscopy for patients awaiting or receiving a heart transplant. The publication of this book is the culmination of a year’s worth of thorough research and perseverance in memory of a UMMC heart transplant patient.
PUBLICATIONS continued

- **Claire Fraser, PhD**, professor, Department of Medicine, and director, Institute for Genome Sciences, was a co-author on “Adaptations of Avian Flu Virus Are a Cause for Concern,” published in Science, 2012 Jan 31 [Epub ahead of print]. She was also a co-author on “Policy: Adaptations of Avian Flu Virus Are a Cause For Concern” in Nature, 2012 Jan 31;482(7384):153-4.

- **Aletta Frazier, MD**, clinical associate professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “The Unicorvanute Uterus and Its Variants: Clinical Presentation, Imaging Findings, and Associated Complications” in The Journal of Ultrasound in Medicine, 2012 Feb 31:319–331.

- **Dheeraj Gandhi, MD**, professor, both from the Department of Microbiology & Immunology and the Institute for Genome Sciences, was the first author of “Intracranial Dural Arteriovenous Fistsulas: Classification, Imaging Findings, and Treatment” in the American Journal of Neuroradiology, 2012 Jan 29 [Epub ahead of print]. He was also among the co-authors of “Imaging of Cerebral Arteriovenous Malformations and Dural Arteriovenous Fistsulas” in Neurosurgery Clinics of North America, 2012 Jan;23:27–42.

- **Rao Gullapalli, PhD**, associate professor, and **Alan McMillan, PhD**, assistant professor, both from the Department of Diagnostic Radiology & Nuclear Medicine, and **Marc Simard, MD**, professor, Department of Neurosurgery, were among the co-authors on “Towards a Meso-Scale SMA-Actuated MRI-Compatible Neurosurgical Robot” in IEEE Transactions on Robotics, 2011;99:1–10. Drs. Gullapalli and McMillan were also among the co-authors on “Design and Control of a 1-DOF MRI-Compatible Pneumatically Actuated Robot with Long Transmission Lines,” published in IEEE/ASME Transactions on Mechatronics, 2011;16:1040–1048. Dr. Gullapalli and **Jiachen Zhuo, PhD**, assistant professor, Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Incompressible Deformation Estimation Algorithm (IDEA) From tagged MR images” in IEEE Transactions on Medical Imaging, 2012;31:326–340. Additionally, Drs. Zhuo and Gullapalli, along with **Su Xu, PhD**, assistant professor, were among the co-authors of “Diffusion Kurtosis as an In Vivo Imaging Marker for Reactive Astroglisis in Traumatic Brain Injury” in Neuroimage, 2012;59:467–477. Drs. Xu, Zhuo, Gullapalli, and **Steven Roys**, research associate, were among the co-authors of “Early Microstructural and Metabolic Changes Following Controlled Cortical Impact Injury in a Rat: A Magnetic Resonance Imaging and Spectroscopic Study” in the Journal of Neurotrauma, 2011;28:2091–2102.


James Gammie, MD, associate professor, Department of Diagnostic Radiology & Nuclear Medicine, and Allen Burke, MD, professor, Department of Pathology, were among the co-authors on “Ectopic Hepatic Tissue Presenting As a Right Atrial Mass,” in Human Pathology, 2012 Jan 23 [Epub ahead of print]. Dr. Jeudy and Charles White, MD, professor, Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “HIV-Related Cardiac Complications: CT and MRI Findings” in the American Journal of Roentgenology, 2012 Feb;198:364–369. Dr. Jeudy and Bartley Griffith, MD, professor, and James Gammie, MD, associate professor, both from the Department of Surgery, were among the co-authors on “Magnetic Resonance Investigation of Blood Flow After Aortic Valve Bypass (Apicoaortic Conduit)” in Annals of Thoracic Surgery, 2011;92:1332–1337. Dr. White was among the co-authors on “Aortopulmonary Fistula in Acute Dissection: Findings at Unenhanced and Enhanced Computed Tomography Imaging” in the Journal of Thoracic Imaging, 2011 Nov 5 [Epub ahead of print]. He was also the author of “The Pros and Cons of Searching for Extracardiac Findings at Cardiac CT: Use of a Restricted Field of View is Acceptable” in Radiology, 2011;261:338–341, and was among the co-authors of “MRI Findings of Mediastinal Neurogenic Tumors” in the American Journal of Roentgenology, 2011;197:W643–652.


Nikhil Kumar, research specialist, Julie Dunning Hotopp, PhD, assistant professor, and Hervé Tettelin, PhD, associate professor, all from the Department of Microbiology & Immunology and the Institute for Genome Sciences, co-authored “Streptococcus pneumoniae Isolates Belonging to the PMEN1 Clone,” in PLoS One, 2011;6(12):e28850 [Epub ahead of print].

Wendy Lane, MD, MPH, assistant professor; Patricia Dischinger, PhD, professor, and Patricia Langenberg, PhD, professor, all from the Department of Epidemiology & Public Health, along with Howard Dubowitz, MBChB, professor, Department of Pediatrics, co-published “Outcomes for Children Hospitalized with Abusive vs. Non-Inflicted Abdominal Trauma” in Pediatrics 2011;127(6):e1400-e1405.

James Lantry, MD, third-year resident, Zachary Dezman, MD, MS, first-year resident, and Jon Mark Hirshon, MD, MPH, PhD, associate professor, all from the Department of Emergency Medicine, published “Pathophysiology, Management and Complications of Hypothermia” in the British Journal of Hospital Medicine, 2012 Jan; 73(1):31-7.

Robert Lavin, MD, assistant professor, Department of Neurology, was a co-author on “Increases in the Use and Cost of Opioids to Treat Acute and Chronic Pain in Injured Workers, 1999 to 2009” in the Journal of Occupational and Environmental Medicine, 2012 Feb;54(2):216-23. The study was spotlighted in a March story in Risk & Insurance magazine called “Increase in Long-Acting Opioids Drives up Costs.”

Cristina Linde, PhD, postdoctoral fellow, Eiji Karashina, MD, PhD, former postdoctoral fellow, Hema Raina, MD, PhD, postdoctoral fellow, Alessandra Zulian, PhD, former postdoctoral fellow; Withrow Wier, PhD, professor, John Hamlyn, PhD, professor, Mordcaei Blaustein, MD, professor, and Vera Golovina, PhD, associate professor, all from the Department of Physiology, co-authored “Increased Arterial Smooth Muscle Ca2+ Signaling, Vasoconstriction, and Myogenic Reactivity in Milan Hypertensive Rats” in the American Journal of Physiology-Heart and Circulatory Physiology, 2012 Feb;302(3):H611-20. Drs. Golovina and Hamlyn, along with Brandyse Jacobs, BS, doctoral student, Yong Liu, PhD, postdoctoral fellow, and Maria Pulina, PhD, former postdoctoral fellow in the department, also published “Normal Pregnancy: A Ouabain Resistant State With Elevated Endogenous Ouabain, Suppressed Arterial Sodium Calcium Exchange and Low Blood Pressure” in the American Journal of Physiology-Heart and Circulatory Physiology, 2012 Jan 13 [Epub ahead of print].
PUBLICATIONS continued


► Michael Mulligan, MD, professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Hematopoietic Tumors and Metastases Involving Bone” in Radiologic Clinics of North America, 2011;49:1163–1183.

► William Olmsted, MD, clinical professor, Department of Diagnostic Radiology & Nuclear Medicine, coauthored “A History of Radiologic Pathology Correlation at the Armed Forces Institute of Pathology and Its Evolution into the American Institute for Radiologic Pathology” in Radiology, 2012;262:623–634.

► Pablo Rabinowicz, PhD, assistant professor, Department of Biochemistry & Molecular Biology, and Kimberly O’Brien, research specialist, both from the Institute for Genome Sciences, were co-authors on “Gene Space Dynamics During the Evolution of Aegilops tauschii, Brachypodium distachyon, Oryza sativu, and Sorghum Bicolor Genomes” in Molecular Biology and Evolution, 2011 Sep;28(9):2537-47. In addition, Dr. Rabinowicz and Arthur Delcher, PhD, instructor, Department of Epidemiology & Public Health, were co-authors on “Two New Complete Genome Sequences Offer Insight Into Host and Tissue Specificity of Plant Pathogenic Xanthomonas spp” in the Journal of Bacteriology, 2011 Oct;193(19):5450-5464. Dr. Rabinowicz also was a co-author on “The Cassava Genome: Current Progress, Future Directions” in Tropical Plant Biology, 2012 Jan 4 [Epub ahead of print].

► David Rasko, PhD, assistant professor, Department of Microbiology & Immunology, and Jason Sahl, PhD, postdoctoral fellow, both from the Institute for Genome Sciences, co-authored “Analysis of the Global Transcriptional Profiles of Enterotoxigenic Escherichia coli (ETEC) Isolate E24377A” in Infection and Immunity, 2012 Mar;80(3):1232-42.


► Eliot Siegel, MD, professor, Joseph Chen, MD, assistant professor, and Tara Morgan, MD, fourth-year resident, all from the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors of “Facial Recognition Software Success Rates for the Identification of 3D Surface Reconstructed Facial Images: Implications for Patient Privacy and Security” in the Journal of Digital Imaging, 2011 Nov 8 [Epub ahead of print]. Dr. Siegel was also a co-author on “Greening Radiology” in the Journal of the American College of Radiology, 2011;8:780–784, and “Influence of Radiology Report Format on Reading Time and Comprehension” in the Journal of Digital Imaging, 2012;25:63–69. Additionally, Dr. Siegel and Nancy Knight, PhD, assistant professor, were among the co-authors on “Redesigning the Nuclear Medicine Reading Room” in Seminars in Nuclear Medicine, 2011;41:463–471, and Dr. Knight and Narendra Shet, MD, fourth-year resident, were among the co-authors on “Handoffs Between Radiologists and Patients: Threat or Opportunity” in the Journal of the American College of Radiology, 2011;8:853–857.

► Mohan Tulapurkar, PhD, post-doctoral fellow, Jeffrey Hasday, MD, professor, and Ishwar S. Singh, PhD, assistant professor, all from the Department of Medicine, co-published “Prolonged Exposure to Hyperthermic Stress Augments Neutrophil Recruitment to Lung During the Post-Exposure Recovery Period” in the International Journal of Hyperthermia, 2011;27(7):717-25.
Congratulations to our very productive faculty on their recent grants and contracts!

- **Mordecai Blaustein, MD**, professor, Departments of Physiology and Medicine, and director, Maryland Center for Heart, Hypertension & Kidney Disease, received a four-year, $383,750 grant from the National Heart, Lung, and Blood Institute for “Alpha-2 Na+ Pumps, Ca2+, Arterial Contraction & Hypertension,” which focuses on acute and chronic ouabain-Na+ pump interactions and the specific role of Na+ pumps in the Ca2+ signaling pathway in the pathogenesis of salt-dependent hypertension.

- **Robert Bloch, PhD**, professor, Department of Physiology, received a one-year, $350,000 research grant from the Jain Foundation for his work “Analyzing the Role of Dysferlin in Skeletal Muscle In Vitro and In Vivo.”

- **Joana Carneiro da Silva, PhD**, assistant professor, Department of Microbiology & Immunology and Institute for Genome Sciences, is the principal investigator on an 18-month, $646,875 grant entitled “Genetic Variability in *Babesia microti*, the Causative Agent of Human Babesiosis, an Emerging Infectious Disease in the United States.”

- **Joseph Chen, MD**, assistant professor, Department of Diagnostic Radiology & Nuclear Medicine, was awarded a 2012 Society for Imaging Informatics in Medicine Research Grant in the amount of $50,000 for “Real-Time Validation and Analysis of SIIM TRIP Workflow Lexicon.”

- **Bruce Krueger, PhD**, professor, Department of Physiology, and **Elizabeth Powell, PhD**, associate professor, Department of Anatomy & Neurobiology, received a five-year, $1,592,565 Dual-PI grant from the National Institutes of Health’s Eunice Kennedy Shriver National Institute of Child Health and Human Development for their work entitled “Mechanisms of Valproic Acid-Induced Neurodevelopmental and Behavioral Defects.”

- **Gerald Wilson, PhD**, associate professor, Department of Biochemistry & Molecular Biology, was awarded $154,000 over two years from the American Heart Association for his project entitled, “A Novel Post-Transcriptional Mechanism That Regulates Hepatic Low Density Lipoprotein Receptor Expression.”

We applaud our colleagues on their recent appointments!

- **Richard Eckert, PhD**, the John F.B. Weaver Distinguished Professor and Chair, Department of Biochemistry & Molecular Biology, was appointed as secretary of the American Medical and Graduate Departments of Biochemistry (AMGDB) for a four-year term starting in January 2012. The AMGDB was founded in 1969 and represents many of the 208 Departments of Biochemistry & Molecular Biology at graduate and medical schools in North America, including the 50 states, as well as Puerto Rico, Canada, Mexico and the Caribbean. The AMGDB is concerned with issues related to fundamental and biomedical science, health research, science policy and education. Dr. Eckert also was elected as a member of the American Society of Biochemistry & Molecular Biology’s (ASBMB) Political Affairs Advisory Committee and Chair of the Legislative Issues Subcommittee. This group represents the ASBMB membership at the National Institutes of Health and other national funding agencies, on Capitol Hill, and at the White House.

- **Jeffrey Wolf, MD**, associate professor, Department of Otorhinolaryngology–Head and Neck Surgery, has been appointed associate chair for Clinical Affairs for the department. In his new role, Dr. Wolf will play a key part in ensuring the integrity of the department’s clinical mission and—in conjunctive with executive administration—will work to develop fiscal and operational processes and to improve internal clinical infrastructure. Dr. Wolf has been at the University of Maryland School of Medicine since 2001.

- **Jade Wong-You-Cheong, MD**, professor, Department of Diagnostic Radiology & Nuclear Medicine, was appointed in January 2012 to the American Institute of Ultrasound in Medicine Board of Governors. Her term of service begins on April 1.
A job well done to all who have kept us in the media spotlight!

- Mordecai Blaustein, MD, professor, Departments of Physiology and Medicine and director, Maryland Center for Heart, Hypertension & Kidney Disease, was interviewed for an invited podcast entitled “Molecular Mechanisms Linking Salt to Hypertension,” which has been published by AJF-Heart and Circulatory Physiology. This podcast interview was related to his American Journal of Physiology-Heart and Circulatory Physiology review “How NaCl Raises Blood Pressure: A New Paradigm for the Pathogenesis of Salt-Dependent Hypertension.”

- Wendy Lane, MD, MPH, assistant professor, Department of Epidemiology & Public Health, was featured in the February 2012 issue of Chesapeake Family magazine, in an article entitled “Protecting Maryland’s Most Vulnerable: Local Agencies Use Education, Advocacy to Head off Child Abuse and Neglect.”

- Andrea Meredith, PhD, assistant professor, Department of Physiology, was quoted in a March 8, 2012, Baltimore Sun article “Making Up for Lost Daylight Savings Time,” regarding the negative impact of the “spring forward” time change.

We welcome new staff!

- Eric B. Stark joined the Office of Development as well as the development staff of the University of Maryland Medical System Foundation as director of Development for the University of Maryland Marlene and Stewart Greenebaum Cancer Center in April 2012. Mr. Stark’s role initiates a unique collaboration between the School of Medicine and our partner, the UMMS Foundation, to drive fundraising for the Greenebaum Cancer Center. He brings experience in development from the Milwaukee Jewish Federation in Wisconsin, the Union for Reform Judaism in New York, and Temple Oheb Shalom in Baltimore. Additionally, he is an ordained Rabbi and has written a column in the Baltimore Jewish Times. Mr. Stark is a graduate of the University of Michigan, Ann Arbor and Hebrew Union College-Jewish Institute of Religion.

- Sheila Young joined the Office of Development as director of Development for Special Projects & Clinical Programs in March 2012. Ms. Young brings experience in higher education development from the University of Maryland College Park and Stevenson University. Previously, she was vice president for Development and Communications at East Baltimore Development, Inc. and an editor and writer for 20 years at The Baltimore Sun. She has had photos and articles published in national publications and is a graduate of Penn State University.

Buzz Information Link for Students

A hyperlink is available on the School of Medicine Website for you to submit information to the Buzz to acknowledge honors, prizes, presentations, leadership positions and other noteworthy accomplishments. Go to: http://medschool.umaryland.edu/Public_Affairs/buzz.asp