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

- **Sergei P. Atamas, MD, PhD**, associate professor, Department of Medicine, received a two-year, $422,000 grant from the National Heart, Lung and Blood Institute for his project entitled “A Novel Model of, and Pre-clinical Therapy for, Scleroderma Lung Disease.”

- **Shane Ceraul, PhD**, assistant professor, Department of Microbiology & Immunology, received a two-year, $269,214 K22 award from the National Institute of Allergy and Infectious Diseases for his work entitled “Limiting Effects of a Tick Kunitz Protease Inhibitor on Rickettsial Infection.”

- **Matt Frieman, PhD**, assistant professor, Department Microbiology & Immunology, received a five-year, $1,875,000 RO1 award from the National Institute for Allergy and Infectious Diseases for his work entitled “Role of Epithelial Growth Factor Receptor in SARS Coronavirus Pathogenesis.”

- **Alfredo Garzino-Demo, PhD**, associate professor, Institute of Human Virology and Department of Microbiology & Immunology, received a one-year, $57,150 Research Supplement to Promote Diversity from the National Institute of Neurological Disorders and Stroke for his work entitled “A Novel Anti-HIV Activity of CCR6 via APOBEC3G: Relevance to CNS Infection.”

- **Ronna P. Hertzano, MD, PhD**, instructor, Department of Otorhinolaryngology-Head & Neck Surgery, received a one-year, $40,000 career development grant from the Triologic Society for Otorhinolaryngology for her work entitled “Cell Type-Specific Genome-Wide Mapping of Protein-DNA Interactions in the Ear.”

- **Myron Levine, MD, DTPH**, Grollman Distinguished Professor, Department of Medicine and Director, Center for Vaccine Development, has received a two-year $10,347,537 grant from the Bill and Melinda Gates Foundation for a new project entitled “Diarrheal Disease in Infants and Young Children in Developing Countries (GEMS1a).” The purpose of this grant is to conduct two multi-country case-control studies using standardized methods to measure, in parallel, the etiology and burden of moderate and severe diarrhea and of clinically less severe diarrhea among children in developing countries. The results of these studies will guide development of broadly effective vaccines and other interventions against enteric infections in developing countries. Additionally, Dr. Levine received a second grant from the Bill and Melinda Gates Foundation for his work on the Global Environment Monitoring Systems, or GEMS, International Scientific Committee. That grant is for $96,000.

- **Fumiko Obata, PhD**, assistant professor, Department of Microbiology & Immunology, received a one-year, $375,000 R56 Bridge Funding from the National Institute for Allergy and Infectious Diseases to pursue her project entitled “Molecular Mechanisms of Shiga Toxin Action in the Mammal Central Nervous System.”

- **William Stanley, PhD**, professor, Department of Medicine, received a two-year, $422,000 R21 grant from the National Heart, Lung and Blood Institute for “Docosahexaenoic Acid, Mitochondrial Dysfunction and Cardiac Reperfusion Injury.”
Tonya Webb, PhD, assistant professor, Department of Microbiology & Immunology, received a three-year, $60,000 award from the University of Maryland Marlene and Stewart Greenebaum Cancer Center for her research entitled “NKT Cell Based Immunotherapy for the Treatment of Mantle Cell Lymphoma.”

Norann Zaghloul, PhD, assistant professor, Department of Medicine, received a three-year, $344,000 K01 award from the National Institute of Diabetes and Digestive and Kidney Diseases for her work on “Ciliary Regulation of Notch-based Phenotypes.”

We applaud our colleagues on their recent appointments!

Sania Amr, MD, MS, associate professor, Department of Epidemiology & Public Health, has been appointed director of the Division of Preventive Medicine. The new Division of Preventive Medicine was formed to retain the department’s historical roots in preventive medicine and provide an academic home for faculty members whose research addresses questions related primarily to prevention and preventive medicine. In her new role, Dr. Amr will lead a cohesive preventive medicine group that brings together public health researchers and practitioners from the department to strengthen the division’s research portfolio and educational offerings within the School of Medicine. Since 2005, Dr. Amr has directed the accredited preventive medicine residency program. From 2005 to 2008, she served as the first Capstone Director for the MPH program. In this capacity she provided academic support to students from diverse educational and professional backgrounds who shared the goal of learning how to identify and address public health issues. Dr. Amr received the EPH Outstanding Teacher Award in 2007 and the Faculty Mentor Award in 2011, both of which reflect the students' appreciation of her work as an educator.

Maureen Black, PhD, John A. Scholl, MD, and Mary Louise Scholl, MD, Professor of Pediatrics, was selected to serve on the Committee on Policy and Communications for the Society for Research in Child Development for the term 2011 to 2014. The committee is charged with linking research on children's development with national policies and practice. In addition, Dr. Black was invited to serve on the Advisory Committee of the Maternal, Infant and Early Childhood Home Visiting Program of the Maternal and Child Health Program for the Department of Health and Human Services, for the term 2011 to 2012. The committee is charged with advising the Health Resources and Service Administration (HRSA) on the plans for conducting a national evaluation of home visiting programs to promote the health and well-being of vulnerable children.

Charlene Hafer-Macko, MD, associate professor, Department of Neurology, was elected to the Executive Board of the Myasthenia Gravis Foundation of America (MGFA) and was the keynote speaker at the MGFA 2011 National Conference held in Baltimore in May 2011.

Andrew N. Pollak, MD, professor, Department of Orthopaedics, was appointed by Governor Martin O’Malley to serve as a member of the Governor’s Emergency Management Advisory Council (GEMAC), for a term of two years from January 1, 2010. The GEMAC was created by statute and is charged with advising Governor O’Malley on all matters that relate to emergency management in Maryland. The GEMAC serves as an independent advisory body, comprised of persons with special expertise in areas critical to homeland security and emergency management, as well as persons broadly representative of business interests, public utilities, and other communities.

Alan R. Shuldiner, MD, the John L. Whitehurst Professor of Medicine, associate dean and director, Program in Personalized and Genomic Medicine, was appointed to the Council of the National Institute of Diabetes, Digestive and Kidney Diseases in July 2011.

Dudley Strickland, PhD, professor, Departments of Surgery and Physiology and director, Center for Vascular and Inflammatory Diseases, was appointed chair of the Hemostasis and Thrombosis Study Section.
Hats off to those who have been published!

- Jacob Blumenthal, MD, assistant professor, Alice Ryan, PhD, professor, and Andrew Goldberg, MD, professor, all from the Department of Medicine, co-published “Weight Loss and Low-Intensity Exercise for the Treatment and Prevention of Metabolic Syndrome in Obese Postmenopausal Women” in the June 8, 2011, edition of the Journal of Gerontology.

- Nicholas Carbonetti, PhD, associate professor, Department of Microbiology & Immunology, co-published an article entitled “Bordetella Pertussis Infection Exacerbates Influenza Virus Infection through Pertussis Toxin-Mediated Suppression of Innate Immunity” in PLoS ONE, Vol. 6(4): e19016.


- Les Katzel, MD, PhD, associate professor, Department of Medicine, co-published an article entitled “Repeatability of Aerobic Capacity Measurements in Parkinson Disease” in Medicine in Science Sports and Exercise, 2011 May 20.

- Achsah D. Keegan, PhD, professor, Department of Microbiology & Immunology and Center for Vascular and Inflammatory Diseases, published an article entitled “NF-κB signaling Participates in Both Receptor Activator of NF-κB Ligand (RANKL) and Interleukin-4 (IL-4) Induced Macrophage Fusion: Receptor Cross-Talk Leads to Alterations in NF-κB Pathways” in the Journal of Immunology, August 2011 edition. This paper was highlighted by MDLinx in the Internal Medicine, Family Medicine and Allergy/Immunology sections.

- Philip A. Mackowiak, MD, MBA, MACP, professor and vice chair, Department of Medicine, published an article entitled “Diagnosing the Disorders of Giants” in the Summer 2011 issue of The Pharos, a publication of the Alpha Omega Alpha Honor Medical Society.


- Steven Prior, PhD, assistant professor, Department of Medicine, co-published an article entitled “Aerobic Exercise Training Increases Circulating IGFBP-1 Concentration, But Does Not Attenuate the Reduction in Circulating IGFBP-1 after a High-Fat Meal” in Metabolism, 2011.

- Roseangela Salerno-Goncalves, PhD, assistant professor, Department of Pediatrics and Center for Vaccine Development, along with Marcelo B. Sztein, MD, professor, Department of Pediatrics and Center for Vaccine Development, and Alessio Fasano, MD, professor, Departments of Pediatrics, Medicine and Physiology, and director, Center for Celiac Research, co-authored “Engineering of a Multicellular Organotypic Model of the Human Intestinal Mucosa,” in the June 30, 2011, issue of Gastroenterology.

- Alan R. Shuldiner, MD, John L. Whitehurst Professor of Medicine, and associate dean and director, Program in Personalized and Genomic Medicine, co-published an article entitled “Clinical Pharmacogenetics Implementation..."


Ivan Tatarov, DVM, research associate, Aruna Panda, BVSc, PhD, MPH, assistant professor, and Krishnan Kolappaswamy, BVSc, PhD, DACLAM, research associate, all from the Department of Pathology and Program of Comparative Medicine, and Louis J. DeTolla, VMD, PhD, DACLAM, professor, Departments of Pathology, Medicine and Epidemiology & Public Health, and director, Program of Comparative Medicine, along with Keyata Thompson, research specialist, Program in Oncology, and Stuart S. Martin, PhD, associate professor, Department of Physiology and Program in Oncology, co-published “Effects of Magnetic Fields in Tumor Growth and Viability” in the August 2011 issue of Comparative Medicine, 61(4): 339-345.

Jeff Winkles, PhD, professor, Departments of Surgery and Physiology and the Center for Vascular and Inflammatory Diseases, was co-senior author on “Development and Characterization of a Potent Immunotoxin Targeting the Fn14 Receptor on Solid Tumor Cells” in Molecular Cancer Therapeutics, 10:1276-1288 (2011).

We welcome our new faculty!

Ronna P. Hertzano, MD, PhD, joined the Department of Otorhinolaryngology-Head & Neck Surgery as an instructor in July 2011. She received her MD and PhD degrees from Tel Aviv University, where she studied the molecular basis of hearing impairment and was the recipient of a Foulkes Foundation Fellowship physician-scientist award. She then completed her internship and residency in the Department of Otorhinolaryngology-Head & Neck Surgery at the University of Maryland School of Medicine. Dr. Hertzano's clinical practice is focused on diseases of the ear and lateral skull base, with a particular interest in hearing restoration and genetic hearing loss. As part of her clinical practice, she is developing a comprehensive interdisciplinary genetic hearing loss service at the University of Maryland. Her research focuses on genetic hearing and balance impairment, and the molecular cascades essential for inner ear development.

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

Bryan T. Ambro, MD, MS, assistant professor, Department of Otorhinolaryngology-Head and Neck Surgery, returned this past summer from a surgical mission to Cambodia that was sponsored by the American Academy of Facial Plastic & Reconstructive Surgery's Face to Face International Humanitarian Program. The mission was focused on reconstruction of complex auricular and nasal defects resulting from trauma, cancer ablation and congenital causes.
Kudos to our colleagues who are experts in their fields and give their all to represent the School of Medicine!

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<td>John Biedlingmaier, MD</td>
<td>associate professor, Department of Otorhinolaryngology-Head and Neck Surgery, was invited to speak at the University of Pennsylvania’s Department of Otolaryngology Grand Rounds as a visiting professor, where he presented “Otolaryngologic Jeopardy.”</td>
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<td>William T. Carpenter, MD</td>
<td>professor, Departments of Psychiatry and Pharmacology &amp; Experimental Therapeutics, presented a keynote lecture, “Schizophrenia: The Beginning, The Change, The Future” at the 15th World Congress of Psychiatry in Buenos Aires, Argentina, in September 2011. Additionally at the same convention, Dr. Carpenter, presented two lectures “Anticipating DSM-5: Innovations and Field Trials for Psychotic Disorders” during the symposium “Cross-Cutting Dimensional Measures in the DSM-5” and “Diagnostic Symptoms Versus Core Psychopathology” during the symposium “Rethinking Psychosis: Concepts and Core Psychopathological Features.”</td>
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<td>Matthew Cooper, MD</td>
<td>associate professor, Department of Surgery, presented “Live Donor Nephrectomy” at the American Foundation for Donation and Transplantation in Bal Harbour, Florida, in May 2011. The lecture provided a historic overview of the procedures developed for living donor nephrectomy for transplantation and both the short and long-term complications associated with the procedure. Also in May, Dr. Cooper delivered “Choosing an Appropriate MPA Agent” to the Korean Society of Transplantation in Seoul, Korea. The lecture compared and contrasted the two mycophenolic acid agents available for solid organ transplantation.</td>
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<td>Leandra Figueroa, BSc, MSc</td>
<td>graduate student, Department of Medical &amp; Research Technology, gave an oral presentation entitled “Asp299Gly Polymorphism Decreases TLR4-Elicited Activation of MyD88- and TRIF-Dependent Signaling Pathways” at the 2011 American Association of Immunologists Annual Meeting in San Francisco in May 2011. Ms. Figueroa’s mentor is Andrei Medvedev, PhD, assistant professor, Department of Microbiology and Immunology.</td>
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<td>Andrew Goldberg, MD</td>
<td>professor, Department of Medicine, and head, Division of Gerontology and Geriatric Medicine, was a visiting professor at Wake Forest University from May 31 to June 1, 2011. He was asked to suggest ways in which the Wake Forest Geriatrics Program can develop research initiatives with the Winston Salem VA Hospital and delivered grand rounds entitled “Etiology and Role of Exercise in the Treatment of Cardiovascular Risk in Diabetes and the Metabolic Syndrome.”</td>
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<td>Les Katzel, MD, PhD</td>
<td>associate professor, Department of Medicine, presented a lecture on issues of research in decisionally-impaired populations at the Association for the Accreditation of Human Research Protection Programs National Conference in Washington, DC, in April 2011.</td>
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<td>Mimi Lu, MD, MS</td>
<td>clinical assistant professor, Department of Emergency Medicine, won the short-lecture competition held during the August 2011 session of the Teaching Fellowship sponsored by the American College of Emergency Physicians. The title of her presentation was “How to Grow Old...Gracefully.”</td>
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<td>Terrence M. Mulligan, DO, MPH</td>
<td>assistant professor, Brian J. Browne, MD, professor, Amal Mattu, MD, professor, Michael E. Winters, MD, assistant professor, and Stephen M. Schenkel, MD, MPP, assistant professor, all from the Department of Emergency Medicine, traveled to Sweden in April 2011 to present the two-day course, “Administration and Management in Emergency Medicine.” The course, hosted by Karolinska Institute and the Swedish Society of Emergency Medicine, was attended by 26 physicians, nurses and paramedics from Sweden, Finland, Denmark, and Iceland. During the trip, the American delegation</td>
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met with Dr. Finn Bengtsson, a member of the Swedish Parliament, to discuss emergency medical services in Scandinavia.

- **Terrence M. Mulligan, DO, MPH**, assistant professor, **Y. Veronica Pei, MD, MEd, MPH**, assistant professor, **Michael A. Rolnick, MD**, clinical assistant professor, and **Jennifer Reifel Saltzberg, MD, MPH**, clinical instructor, all from the Department of Emergency Medicine, organized, wrote and taught the first medical school course in emergency medicine in The Netherlands. The 50-hour, five-week elective course, presented at University Medical Center Utrecht from May 31 through July 1, was attended by 30 second-year medical students. In addition, Dr. Mulligan presented a one-day course entitled “International Emergency Medicine” in Egmond aan Zee, The Netherlands, in June 2011. The course was offered during The 5th Dutch North Sea Emergency Medicine Conference, sponsored by the Nederlandse Vereniging Van Spoedeisende Hulp Arsten (NVSHA) (the Dutch Society for Emergency Physicians). Dr. Mulligan, a fellow of the NVSHA, was a co-organizer of the conference and the designer and moderator of the course as well as its main speaker. **Michael A. Rolnick, MD**, clinical assistant professor, Department of Emergency Medicine, also lectured at the conference on the topic of “Emergency Medicine Networks,” based on his experiences in creating the Maryland ExpressCare patient transfer network.


- **Alice Ryan, PhD**, professor, Department of Medicine, presented an abstract poster presentation, “Predictors of Metabolic Flexibility in Obese Postmenopausal Women,” at the American Diabetes Association’s Annual Conference in San Francisco in June 2011.

- **Monica Serra, PhD**, T32 fellow, Department of Medicine, presented an abstract poster presentation, “Ectopic Fat Accumulation and Metabolic Syndrome (MSYN) Are Associated with Reduced Subcutaneous Adipose Tissue (SAT) Lipid Storage in Obese Postmenopausal Women (OPW)” at the American Diabetes Association’s Annual Conference in San Francisco in June 2011.

- **LaGuinn Sherlock, AuD**, director of Clinical Audiology, Department of Otorhinolaryngology-Head and Neck Surgery, presented a case report, “Misophonia (A Variant of Reduced Sound Tolerance)” to the American Academy of Audiology Adult Diagnostic Grand Rounds on-line seminars.

- **Alan R. Shuldiner, MD**, John L. Whitehurst Professor of Medicine, and associate dean and director, Program in Personalized and Genomic Medicine, presented “The Genetic Interface between Gestational Diabetes and Type 2 Diabetes at the 4th Nanjing University Forum on Endocrinology and Metabolic Disorders in Nanjing, China, in May 2011.

- **Carole Sztalryd, PhD**, associate professor, Department of Medicine, gave an oral presentation at the 2011 Gordon Conference on “Cellular Energetics: Interactions between the Warehouse (Lipid Droplets) and the Furnace (Mitochondria)” in Waterville Valley, New Hampshire, in July 2011.

- **Yanbao Xiong, PhD**, research fellow, and **Andrei Medvedev, PhD**, assistant professor, Department of Microbiology & Immunology, presented a poster entitled “Induction of Endotoxin Tolerance in vivo Inhibits LPS-Inducible Activation of IRAK4, p38 and NF-κappaB, Decreases Expression of Pro-Inflammatory Cytokines and Induces Negative Regulators of TLR4 Signaling” at the 2011 American Association of Immunologist Annual Meeting in San Francisco in May 2011.
Congratulations to the following who have received honors!

- **Charles Cangro, MD, PhD**, assistant professor, Department of Medicine, received the 2011 Ambulatory Medical Director of the Year award from the University of Maryland Medical Center's Ambulatory Services in June 2011. This award is in recognition of extraordinary efforts and commitment to the outpatient experience.

- **Aric Colunga, BS**, graduate student in the Department of Pharmacology & Experimental Therapeutics under the mentorship of professor Laure Aurelian, PhD, received the first prize award of $7,000 in reagents in the Life Technologies Poster Contest. His was chosen out of 5,900 posters at the 2011 American Association for Cancer Research meeting in Orlando, Florida, in April 2011. Aric received the most votes for his poster on "HSV-2 Oncolytic Virus Delta PK Induces Multiple Death and Inflammatory Programs Associated with Inhibition of Melanoma Tumor Growth."

- **Claire Fraser-Liggett, PhD**, professor, Departments of Medicine and Microbiology & Immunology, and director, Institute for Genome Sciences, has been inducted into the Rensselaer Alumni Hall of Fame. Dr. Fraser-Liggett has made outstanding contributions to the fields of genome science and academic medicine.

- **Nicolas Johnson Dorsey**, a fourth-year MD/PhD candidate working in the laboratory of Achsah D. Keegan, PhD, professor, Department of Microbiology & Immunology and Center for Vascular and Inflammatory Diseases, received the highly competitive 2011 United Negro College Fund/Merck Graduate Science Research Dissertation Fellowship for her research project entitled “Lung Inflammation: The Role of STAT6 Modulation of Inducible Regulatory T-cells (iTregs).” Nicolas will receive a fellowship stipend up to $43,500 for the 2011–2012 and the 2012–2013 academic years. In addition, she will receive a $10,000 research grant.

- **Leandra Figueroa, BSc, MSc**, graduate student, Department of Medical & Research Technology, who works in the lab of Andrei Medvedev, PhD, assistant professor, Department of Microbiology & Immunology, received a FASEB MARC Program travel award to attend the American Association of Immunologists 98th Annual Meeting in San Francisco in May 2011. The FASEB MARC Travel Award Program is a component of a federal grant from the Minority Access to Research Careers Program of the National Institute of General Medical Sciences.

- **Ram Karan, PhD**, postdoctoral fellow in the Department of Microbiology & Immunology, has been awarded the prestigious American Society for Microbiology (ASM) International Fellowship for Asia. He is one of four recipients of the ASM award, recognizing promising young investigators for outstanding contributions to the advancement of microbiological research. Dr. Ram Karan will work with Shiladitya DasSarma, PhD, professor, Department of Microbiology & Immunology and Institute of Marine and Environmental Technology, on a research project to study the genomics and proteomics of halophilic Archaea. Dr. Ram Karan is from the Indian Institute of Technology in New Delhi, India, where he completed his PhD under the supervision of Professor S.K. Khare in the Department of Chemistry. His research was focused on halokalaliphilic bacteria.

- **Andrei E. Medvedev, PhD**, assistant professor, Department of Microbiology & Immunology, received a Junior Faculty Travel award from the American Association of Immunologists to attend its 2011 98th Annual Meeting in San Francisco in May 2011.

- **Jessica Shiu**, a third-year Medical Scientist Training Program (aka the MD/PhD Program) graduate student working in the lab of Thomas Blanchard, PhD, JD, professor, Department of Pediatrics, received the 2011 GPILS Outstanding PhD Scholar Award. Jessica also received a two-year $70,000 grant from the Canadian Institutes of Health Research for a Doctoral Foreign Student Award. These awards are intended to provide special recognition and support to students who are pursuing a doctoral degree in a health-related field abroad and are expected to have an exceptionally high potential for future research achievement and productivity.

- **Rodney J. Taylor, MD, MSPH, FACS**, associate professor, and Jeffrey Wolf, MD, associate professor, both from the Department of Otorhinolaryngology-Head and Neck Surgery, were named 2011 Super Doctors of Washington, DC, Baltimore, and North-
The University of Maryland School of Medicine and its Program in Comparative Medicine, Veterinary Resources Service, Institutional Animal Care and Use Committee (IACUC) and Office of Animal Welfare Assurance (OWA) have successfully passed a September 2011 site visit from the Association for the Assessment and Accreditation of Laboratory Animal Care (AAALAC) International. At the September 15 exit briefing, the site visitors noted that it was exceptional to find such a well operated large and complex facility, and they will recommend to the AAALAC Council continued full accreditation. This accomplishment included excellent institutional support from the Dean’s Office, excellent Institutional Animal Care and Use Committee and Office of Animal Welfare Assurance offices and directors, excellent veterinary and husbandry care and a dedicated faculty. The Baltimore VA Medical Center, Institute of Human Virology and Institute of Marine and Environmental Technology are included as well in the accreditation.

In the News

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

► The following physicians in the Department of Medicine were listed in the July 2011 issue of U.S. News & World Report in its “Top Doctors” list: Cardiology: John Gottdiener, MD, FACC, professor; Stephen Gottlieb, MD, professor; Michael Miller, MD, professor; Elijah Saunders, MD, clinical professor, and Stephen Shorofsky, MD, PhD, professor; Endocrinology: Alan Shuldiner, MD, professor; Kristi Silver, MD, associate professor; Gastroenterology: Bruce Greenwald, MD, professor; Hematology-Oncology: Maria Baer, MD, professor; and Rheumatology: Marc Hochberg, MD, MPH, professor.

► Toni Pollin, PhD, associate professor, Department of Medicine, was featured on Fox 45 News on May 23, 2011, where she was interviewed by reporter Melinda Roeder about direct-to-consumer genetic testing.

Attention all SOM Medical, Allied Health and Graduate Students!

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