University of Maryland School of Medicine Unat's the ouzz?

Self-Reported News from the School of Medicine Community

APPOINTMENTS



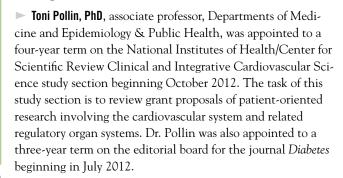
We applaud our colleagues on their recent appointments!

Maureen Black, PhD, the John A. Scholl, MD, and Mary Louise Scholl, MD, Professor, Department of Pediatrics, was appointed to serve on the NIH committee "Evaluating the Evidence Base to Support the Inclusion of Infants and Children from Birth to 24 months of Age in the Dietary Guidelines for Americans—The B-24 Project."



Vasken Dilsizian, MD

► Vasken Dilsizian, MD, professor, Department of Diagnostic Radiology & Nuclear Medicine, was elected to serve as vice president in 2012 and president in 2013 for the Cardiovascular Council of the Society of Nuclear Medicine. In addition, he was appointed to serve as the vice chair in 2012 and the chair in 2013 of the Scientific Program Committee of the American Society of Nuclear Cardiology. He was also appointed to chair the American College of Cardiology/American Heart Association (ACC/AHA) Task Force on Clinical Competence and Training for Nuclear Cardiology and to integrate the ACGME's core competency structure into the COCATS training document.



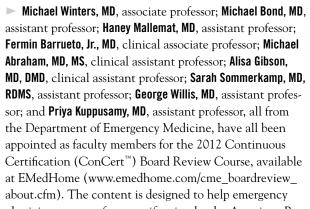
and kidney diseases. Michael Shipley, PhD, the Donald E. Wilson Distinguished Professor and Chair, Department of Anatomy & Neurobiology, has been elected secretary/ treasurer of the Association of Medical School Neuroscience Department Chairs (AMSNDC) for the term 2013–2015, after declining an offer to run for president because he had recently served as president of another Chairs group, the Association of Anatomy, Cell Biology and Neurobiology Chairs (AACBNC). Dr. Shipley is currently serving his second two-year term as the CAS representative for AACBNC.

▶ **Jean-Pierre Raufman, MD**, professor, Department of Medicine, was appointed to a four-year term (September 2012-June 2016) as chair for the NIH Diges-

tive Diseases and Nutrition C Subcommittee. The Committee serves in an

advisory capacity to the director at NIH, and the director at NIDDK for the

Institute's programs and activities in the broad areas of diabetes and digestive





Michael Bond, MD and Michael WInters, MD

physicians prepare for recertification by the American Board of Emergency Medicine and is being used as an international emergency medicine core curriculum course.



Toni Pollin, PhD

GRANTS &

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



Sania Amr. MD. MS

- ► Sania Amr, MD, MS, professor, Department of Epidemiology & Public Health, received a \$150,000, two-year award from the Health Resources and Services Administration for "Integrative Medicine Program."
- ▶ William Blattner, MD, professor, Departments of Medicine and Epidemiology & Public Health, has been awarded a new three-year, \$2.5 million R01 from the National Institute of Mental Health (NIMH) for his project "TRUST." He has also been awarded a new five-year, U2G from the Centers for Disease Control and Prevention in the amount of \$2.5 million for the "Nigerian Alliance for Health Systems Strengthening (NAHSS)."
- Raymond Cross, MD, MS, AGAF, associate professor, Department of Medicine, received a three-year \$1,107,156 R01 grant from the Agency for Healthcare Research and Quality for "TELEmedicine in Patients with Inflammatory Bowel Disease: TELE-IBD."
- **Eric Goldberg, MD**, assistant professor, Department of Medicine, received a \$49,950.00 grant from the Technology Development Corporation (TEDCO) University Technology Development Fund to support his research in developing an expandable endoscopic clipping device.
- **Erin Hager, PhD**, assistant professor, and **Maureen Black, PhD**, the John A. Scholl, MD, and Mary Louise Scholl, MD, Professor, both from the Department of Pediatrics—in collaboration with Dr. Carolyn Voorhees and the Prevention Research Center at the University of Maryland College Park—were awarded a two-year, \$140,000 CDC Special Interest Program Award beginning October 1 for "Implementation of Local Wellness Policies in Low-Income, Urban Schools."
- ▶ David Kaetzel, PhD, professor, Department of Biochemistry & Molecular Biology, received a five-year, \$1,483,233 R01 grant from the National Cancer Institute for "Suppression of Melanoma Initiation and Progression by NM23-H1."

CONTRACTS

- Joshua Lewis, PhD, assistant professor, Department of Medicine, has been awarded a new five-year, \$805,000 K23 NIH grant for "Aspirin Pharmacogenomics: Role of PEAR 1 in Personalized Anti-Platelet Therapy."
- ► Steven Prior, PhD, assistant professor, Department of Medicine, received a three-year, \$598,779 Paul B. Beeson Patient-Oriented Career Development Award in Aging from the National Institute on Aging and the American Federation for Aging Research for "Effects of Aerobic Exercise on EPCs and Vascular Dysfunction in Aging and T2DM."
- Aaron Rapoport, MD, the Gary Jobson Professor in Medical Oncology, Department of Medicine, received a new threeyear, \$989,000 R01 from the NIH for "Adoptive Transfer of Gene-Modified Autologous T-cells post-ASCT for Myeloma.'



Steven Prior, PhD



Mary Rodgers PT, PhD, FAPTA

- Mary Rodgers PT, PhD, FAPTA, professor and chair, Department of Physical Therapy & Rehabilitation Science, received a one-year contract for \$30,100 from Dynasplint Systems, Inc. for her work "Physical Therapy Meta-Analysis: The Effect of Joint Contracture Management with Assistive Devices on Range of Motion."
- ► Mark Rogers, PT, PhD, FAPTA, professor and vice chair for research, Department of Physical Therapy & Rehabilitation Science, and direc-

tor of the PhD Program in Physical Rehabilitation Science, was awarded a Research Supplement to Promote Diversity in Health-Related Research Programs in the amount of \$151,830 over three years in support of graduate student Ozell Sanders. The supplement is for Dr. Roger's National Institute on Aging (NIA)-funded R01 "Intervention to Enhance Lateral Balance Function and Prevent Falls in Aging."



Mark Rogers, PT, PhD, FAPTA



PUBLICATIONS

GRANTS & CONTRACTS continued



Nanette Steinle, MD



Peixin Yang, PhD

- Nanette Steinle, MD, assistant professor, Department of Medicine, has been awarded a five-year, \$424,960 National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)-funded T35 grant, which will support mentored medical student research, with the aim of encouraging students to enter medical careers involving research. Beginning in the summer of 2013, UMB faculty will serve as mentors to 12 medical students who will complete a defined research training experience beginning in the summer between their first and second year of medical school.
- ➤ Terry Watnick, MD, professor, Department of Medicine, received a new five-year, \$1.1 million R01 for "Comprehensive Analysis of Polycystin Related Endothelial Cell Signaling Pathways."
- ▶ Peixin Yang, PhD, assistant professor, Department of Obstetrics, Gynecology & Reproductive Sciences, received a new one-year, \$149,999 R56 award from the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) for his work on "Metabolic Cellular Stress and its Regulatory Mechanism in Diabetic Embryopathy."
- ▶ The Center for Integrative Medicine was awarded a five-year, \$3 million grant from NIH/NCCAM for the "Cochrane Collaboration CAM Field: Resource for Research" to continue the

work of disseminating up-to-date, accurate information about the effects of healthcare interventions, producing SRs of healthcare interventions, and promoting the search for evidence in the form of clinical trials and other studies. **Brian Berman, MD**, director of the Center and professor, Department of Family & Community Medicine, is the PI on the grant. The Center was also awarded a one-year, \$123,000 grant from the McCormick Science Institute entitled "An Educational Intervention Focusing upon Spices and Herbs to Improve Diet Quality among Baltimore City High School Students." The team—lead by PI **Chris D'Adamo, PhD**, assistant professor, Department of Family & Community Medicine—will develop, implement, and evaluate a Spices & Herbs educational intervention in Baltimore City Public High Schools.

Hats off to those who have been published!

- Gad Alon, PT, PhD, associate professor emeritus, Department of Physical Therapy & Rehabilitation Science, was a co-author on "A Murine Model of Neuromuscular Electrical Stimulation on Subcutaneous Squamous Cell Carcinoma: Potential Implications for Dysphagia Therapy" in *Head Neck*, 2012 Oct;34(10):1428-33. He and Mark Rogers, PT, PhD, FAPTA, professor, vice chair for research, and director of the PhD Program in Physical Rehabilitation Science, were among the co-authors on "Safety and Immediate Effect of Non-invasive Transcranial Pulsed Current Stimulation (tPCS) on Gait and Balance in Parkinson's Disease" in the journal *Neurorehabilitation & Neural Repair*, 2012 Nov;26(9):1089-95.
- Ting Bao, MD, assistant professor, Department of Medicine and Center for Integrative Medicine, and Lixing Lao, PhD, professor, and Ruixin Zhang, PhD, assistant professor, both from the Department of Family & Community Medicine and the Center for Integrative Medicine, were among the co-authors on "Improvement of Painful Bortezomib-Induced Peripheral Neuropathy Following Acupuncture Treatment in a Case Series of Multiple Myeloma Patients" in Medical Acupuncture, 2012 Sept; 181-187. Dr. Lao was also among the co-authors on "Topical Treatment with Tong-Luo-San-Jie Gel Alleviates Bone Cancer Pain in Rats" in *The Journal of Ethnopharmacology*, 2012 Aug 30 [Epub ahead of print].



Gad Alon, PT, PhD



Lixing Lao, PhD

▶ Brian Berman, MD, and Lixing Lao, PhD, both professors, Department of Family & Community Medicine and the Center for Integrative Medicine, which Dr. Berman directs, were among the co-authors on "Which Research Is Needed to Support Clinical Decision-Making on Integrative Medicine?—Can Comparative Effectiveness Research Close the Gap?" in the Chinese Journal of Integrative Medicine, 2012 Oct; 18(10): 723-729. Drs. Berman and Lao were also among the co-authors on "Effectiveness Guidance Document (EGD) for Acupuncture Research—A Consensus Document for Conducting Trials" in BMC Complementary and Alternative Medicine, 2012 Sept 6; 12(1):148.

- ▶ **Stephen Bingham, PhD**, associate professor, Department of Epidemiology & Public Health, was a co-author on "Predictors of Basal Cell Carcinoma in Highrisk Patients in the VATTC (VA Topical Tretinoin Chemoprevention) Trial" in the *Journal of Investigative Dermatology*, 2012 Nov;132(11):2544-2551.
- ▶ Michael Bond, MD, assistant professor; Michael Scott, MD, emergency medicine/internal medicine resident; and T. Andrew Windsor, MD, emergency medicine resident, all from the Department of Emergency Medicine, were among the authors on "The Roles and Risks of Whole-Body Computed Tomography Scans in the Trauma Patient" in *Trauma Reports*, 2012 Sept/Oct;13(5):1-12.
- **Charles Chaffin, PhD**, associate professor, Department of Obstetrics, Gynecology & Reproductive Sciences, was among the co-authors on "Rhesus Monkey Cumulus Cells Revert to a Mural Granulosa Cell State After an Ovulatory Stimulus" in *Endocrinology*, 2012 Nov;153(11):5535-45.
- ▶ Hegang Chen, PhD, associate professor, Department of Epidemiology & Public Health, was among the authors on "Variance in Tongue Motion Patterns During the Production of Isl" in *The Journal of the Acoustical Society of America*, 2012 Sept;132(3):2087.



Curt Civin, MD

- Physiology, associate dean for research at the School of Medicine and director of the Center for Stem Cell Biology & Regenerative Medicine, was among the co-authors on "Generation and Genetic Engineering of Human Induced Pluripotent Stem Cells Using Designed Zinc Finger Nucleases" in the journal Stem Cells and Development, 2012 Oct 19 [Epub ahead of print].
- Adam Clark, a graduate student in the Program in Toxicology, and Steven Munger, PhD, professor, Department of Anatomy & Neurobiology, were among the authors on "Extraoral Bitter Taste Receptors as Mediators of Off-Target

Drug Effects" in the FASEB Journal, 2012 Sept 10 [Epub ahead of print].

► Chris D'Adamo, PhD, assistant professor, and Lixing Lao, PhD, professor, both from the Department of Family & Community Medicine and the Center for Integrative Medicine, were among the co-authors on "An Effectiveness Study Comparing Acupuncture, Physiotherapy, and Their Combination in Post-

Stroke Rehabilitation: A Multi-centered, Randomized, Controlled Clinical Trial" in *Alternative Therapies in Health and Medicine*, 2012 May-June; 18(3):8-14.

Clarissa Diamantidis, MD, MHS, assistant professor, and Jeffrey Fink, MD, MS, professor, both from the Department of Medicine, were among the co-authors on



Jeffrey Fink, MD, MS

"Usability of a CKD Educational Website Targeted to Patients and Their Family Members," in the Clinical Journal of the American Society of Nephrology, 2012 Oct;7(10):1553-1560.

▶ W. Andrew Eglseder, MD, associate professor, Department of Orthopaedics, was co-author on "Oblique Step Ulnar Shortening Osteotomy for Management of Posttraumatic Ulnar Impaction Syndrome," a feature article in the *Journal* of Surgical Orthopaedic Advances, 2012 Summer;21(2):67-77. He also published "Distal Humeral Fractures: Impact of Lateral Approach

and Fracture-Specific Plating on Radial Nerve Palsies," in *Techniques in Hand & Upper Extremity Surgery*, 2012 Sep;16(3):127-131.

Dex Guide, which describes the use of vasoactive drugs and infusions in the treatment of critically ill patients. The book was published by the Emergency Medicine Residents Association in September. Department colleagues Haney Mallemat, MD, assistant professor, and Michael Winters, MD, associate professor, served as senior editors, and Michael McCurdy, MD, assistant professor, was the associate editor for the project. Mimi Lu, MD, MS, clinical assistant professor, was one of the contributing editors, and Bryan Hayes, PharmD, clinical assistant professor, served on the clinical pharmacology editorial staff. The contributors



John Greenwood, MD

included two emergency medicine fellows from the department, as well as ten emergency medicine residents, four residents in the emergency medicine/internal medicine program, three residents on the emergency medicine/pediatrics track, and one resident in the EM/IM/critical care program.

▶ **Jack Guralnik, MD, PhD**, professor, Department of Epidemiology & Public Health, was a co-author on "Advancing Age is Associated with Gene Expres-

sion Changes Resembling mTOR Inhibition: Evidence From Two Human Populations" in Mechanisms of Ageing and Development, 2012 Aug;133(8):556-562.



Ronna Hertzano, MD, PhD

- ▶ Ronna Hertzano, MD, PhD, recently promoted assistant professor, Department of Otorhinolaryngology-Head & Neck Surgery, was a co-author on "High Throughput Gene Expression Analysis of the Inner Ear" in the journal Hearing Research, 2012 Jun;288(1-2):77-88.
- Aaron Hess, PhD student; Kerri Thom, MD, assistant professor; Anthony Harris, MD, MPH, professor; and Michelle Shardell, PhD, assistant professor, all from the Department of Epidemiology & Public Health, along with Jennifer Johnson, PhD, associate professor, Department of Pathology, and Giora Netzer, MD, assistant professor, Department of Medicine, were among the co-authors on "Methods and Recommendations for Evaluating and Reporting a New Diagnostic Test" in the European Journal

of Clinical Microbiology and Infectious Disease, 2012 Sep;31(9):2111-2116. Drs. Thom, Johnson and Harris were also among the co-authors on "Assessing the Burden of Acinetobacter baumannii in Maryland: A Statewide Cross-sectional Period Prevalence Survey" in Infection Control and Hospital Epidemiology, 2012 Sep;33(9):883-888. Dr. Harris was also a co-author on "Recovery of Gram-Negative bacilli in Stored Endotracheal Aspirates" in the Journal of Clinical Microbiology, 2012 Aug;50(8):2791-2792.

Anil Jaiswal, PhD, professor, Department of Pharmacology, and graduate student **Phillip Shelton** were among the co-authors of "The Transcription Factor NF-E2-Related Factor 2 (Nrf2): A Protooncogene?" in FASEB, 2012 Oct 29 [Epub ahead of print].

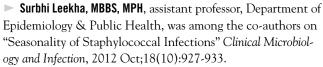


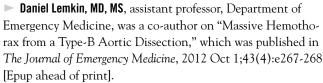
Mary-Claire Roghmann. MD. MS

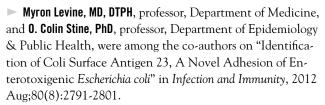
▶ Jennifer Johnson, PhD, associate professor, Department of Pathology; Wilbur Chen, MD, assistant professor, Department of Medicine; and Mary-Claire Roghmann, MD, MS, professor, Department of Epidemiology & Public Health, were among the co-authors on "Lower Antibody Levels to Staphylococcus aureus Exotoxins are Associated with Sepsis in Hospitalized Adults with Invasive S aureus Infections" in The Journal of Infectious Diseases, 2012 Sept;206(6):915-923.

- ▶ Patricia Langenberg, PhD, professor, Department of Epidemiology & Public Health: Ahmed Saleh, PhD, post-doctoral fellow, Department of Pathology; **Niel Constantine**, **PhD**, clinical professor, Department of Pathology; and **Teodor** Postolache, MD, associate professor, Department of Psychiatry, were coauthors on "Toxoplasma gondii Immunoglobulin G Antibodies and Non-fatal Suicidal Self-Directed Violence" in the Journal of Clinical Psychiatry, 2012 Aug;73(8):1069-1076.
- ▶ Benjamin Lawner, DO, EMT-P, assistant professor, and Amal Mattu, MD, professor, both from the Department of Emergency Medicine, are co-authors of a new book titled ECG Cases for EMS, published by Jones & Bartlett Learning. Intended for an audience of paramedics, the book presents 89

pre-hospital scenarios, accompanied by 12-lead electrocardiograms, and asks the reader to interpret the tracings and plan a course of action. The final section of the book presents the authors' interpretation of each cardiac tracing and a discussion of its significance in the pre-hospital setting.







► Steven Ludwig, MD, associate professor, Department of Orthopaedics, was a co-author on "Fractures and Dislocations of the Lumbar and Lumbosacral Spine," an invited article in Orthopaedic Knowledge Online, 2012 Jul;10(8). He also co-authored "Compli-

cations Associated with Posterior Cervical Instrumentation," and (with



Surbhi Leekha, MBBS, MPH



Myron Levine, MD, DTPH

Abimbola Obafemi, MD, resident) "Injuries to the Tracheoesophageal Spine," chapters in the book *The Cervical Spine*, 5th Edition, published by Lippincott



Williams & Wilkins in August 2012; co-authored "Percutaneous Pedicle Screw Fixation and Fusion for Trauma," a chapter in the book *Operative Techniques in Spine Surgery*, published by Lippincott Williams & Wilkins in October 2012; and co-authored "Thoracolumbar Fracture-Dislocations," a chapter in the book *Decision Making in Spinal Care*, published by Thieme Publishers in November 2012. Dr. Ludwig and department colleagues **Oliver Tannous**, **MD**, resident, and **Kelley Banagan**, **MD**, assistant professor, were among the co-authors on "Lumbar Transforaminal Interbody Fusion," a chapter in the book *Atlas of Essential Orthopaedic Procedures*, published by the American Academy of Orthopaedic Surgeons in October 2012.

Kelley Banagan, MD

Theodore Manson, MD, and Robert O'Toole, MD, both assistant professors, Department of Orthopaedics, were among the co-authors on "Combined Pelvic Ring Disruption and Acetabular Fracture: Associated Injury Patterns in 40 Patients" in the *Journal of Orthopaedic Trauma*, 2012 Aug 7 [Epub ahead of print]. Dr. O'Toole and W. Andrew Eglseder, MD, associate professor, were among the co-authors on "Fracture of the Distal Radius with Radial Artery Injury: Injury Description and Outcome of Vascular Repair" in the journal *Injury*, 2012 Sept 28 [Epub ahead of print]. Drs. O'Toole and Eglseder, along with Jason Nascone, MD, associate professor; Marcus Sciadini, MD, associate professor; and Andrew Pollak, MD, professor, were among the co-authors on "Does Sleep Depri-



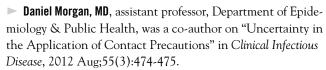
Amal Mattu, MD

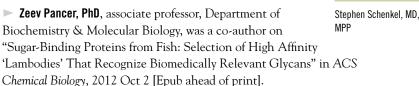
vation Impair Orthopaedic Trauma Surgeons' Cognitive and Psychomotor Performance?" in the *Journal of Bone and Joint Surgery*, American Volume, 2012 Sept;94:1-7. Drs. O'Toole, Pollak, Nascone, Sciadini and **Aaron Johnson, MD**, resident, coauthored "Diagnosis of Femoral Neck Fracture Associated with Femoral Shaft Fracture: A Blinded Comparison of Computed Tomographic Scans and Plain Radiographs" in the *Journal of Orthopaedic Trauma*, 2012 Sept 4 [Epub ahead of print].

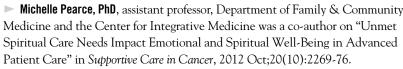
Medicine, was co-editor of Urgent Care Emergencies: Avoiding the Pitfalls and Improving the Outcomes, a 14-chapter book

published by Wiley-Blackwell in October. Chapters were contributed by the following faculty members from the Department of Emergency Medicine: **Michael Abraham**, **MD**, **MS**, clinical assistant professor; **Michael Bond**, **MD**, assistant

professor; Alisa Gibson, MD, DMD, clinical assistant professor; Joseph Martinez, MD, assistant professor and assistant dean for student affairs; Siamak Moayedi, MD, assistant professor; Stephen Schenkel, MD, MPP, associate professor; Sarah Sommerkamp, MD, assistant professor; Mercedes Torres, MD, clinical assistant professor; and George Willis, MD, assistant professor.









Laura Pimentel, MD

- Laura Pimentel, MD, clinical associate professor; Jon Mark Hirshon, MD, MPH, PhD, associate professor; Fermin Barrueto, Jr, MD, clinical associate professor; and Brian Browne, MD, professor and chair, all from the Department of Emergency Medicine, were co-authors on "Development of a University-Based Emergency Department Network: Lessons Learned" in *The Journal of Emergency Medicine*, 2012 Oct;43(4):728-35.
- ► **Robert Rogers, MD**, associate professor, Departments of Emergency Medicine and Medicine, is the chief editor of the second edition of *Practical*

Teaching in Emergency Medicine, a 25-chapter book published by Wiley-Blackwell in August. Associate editors for this text were department colleagues **Amal Mattu, MD**, professor; **Michael Winters, MD**, associate professor; **Joseph Martinez, MD**,

assistant professor and assistant dean for student affairs; and Terrence Mulligan, DO, MPH, assistant professor, who also wrote a chapter for the work. Other chapters were contributed by Emergency Medicine's Michael Bond, MD, assistant professor; Siamak Moayedi, MD, assistant professor; Traci Thoureen, MD, MHS-CL, clinical assistant professor; and Mercedes Torres, MD, clinical assistant professor.

- Marcus Sciadini, MD, associate professor, Department of Orthopaedics, was a co-author on "Injury to the Anterior Tibial System During Percutaneous Plating of a Proximal Tibial Fracture" in *Orthopedics*, 2012 Jul;35(7):e1125-e1128.
- ▶ Maureen Shanks, PhD, former research associate, along with Joseph Mauban, PhD, academic fellow, both from the Department of Physiology, and Linda Lund, PhD, research associate, Department of Biochemistry & Molecular Biology, were among the co-authors on "Chromodomain Helicase Binding Protein 8 (Chd8) Is a Novel A-Kinase Anchoring Protein Expressed during Rat Cardiac Development" in *PLoS ONE*, 2012;7(10): e46316.
- Ming Tan, PhD, professor, Department of Epidemiology & Public Health,

was a co-author on "CPAF: A Chlamydial Protease in Search of an Authentic Substrate" in *PLoS Pathogens*, 2012 Aug;8(8):e1002842. Dr. Tan, **Rui-Xin Zhang**, **PhD**, assistant professor, and **Brian Berman**, **MD**, professor, both from the Department of Family & Community Medicine and the Center for

Integrative Medicine, which Dr. Berman directs, were among the co-authors on "Electroacupuncture Inhibition of Hyperalgesia in an Inflammatory Pain Rat Model: Involvement of Distinct Spinal Serotonin and Norepinephrine



Brian Berman, MD

Receptor Subtypes" in the *British Journal of Anaesthesia*, 2012 Aug;109(2):245-252. Drs. Zhang and Berman and **Lixing Lao**, **PhD**, professor, were among the co-authors on "Does Acupuncture Therapy Alter Activation of Neural Pathway for Pain

Rui-Xin Zhang, PhD

Perception in Irritable Bowel Syndrome?: A Comparative Study of True Sham

Acupuncture Using Functional Magnetic Resonance Imaging" in the *Journal of Neurogastroenterology and Motility*, 2012 Jul; 18:3.

- ▶ Kerri Thom, MD, assistant professor and Anthony Harris, MD, MPH, professor, both from the Department of Epidemiology & Public Health, were among the authors on "Assessing Sensitivity and Specificity in New Diagnostic Tests: The Importance and Challenges of Study Populations" in *Infection Control and Hospital Epidemiology*, 2012 Nov;33(11):1184.
- ▶ Loren Thompson, PhD, associate professor, and Yazan Al-Hasan, PhD, former postdoctoral fellow, both from the Department of Obstetrics, Gynecology & Reproductive Sciences were among the co-authors on "Impact of Oxidative Stress in Fetal Programming" in the *Journal of Pregnancy*, 2012 July [Epub ahead of print].
- ▶ **Richard Thompson, PhD**, associate professor, Department of Biochemistry & Molecular Biology, was a co-author on "Structure-Selective Anisotropy Assay for Amyloid Beta Oligomers" in ACS *Chemical Neuroscience*, 2012 Sept 1 [Epub ahead of print].
- Rezwanul Wahid, MBBS, PhD, assistant professor; Marcelo Sztein, MD, professor; and Marcela Pasetti, PhD, professor, all from the Department of Pediatrics; Charles Richardson, MD, clinical assistant professor, Department of Psychiatry; and Samer El-Kamary, MB, ChB, MPH, assistant professor, Department of Epidemiology & Public Health were among the authors on "Intranasal Vaccination with an Adjuvanted Norwalk Virus-like Particle Vaccine Elicits Antigen-Specific B Memory Responses in Human Adult Volunteers" in Clinical Immunology, 2012 Aug;144(2):98-108.
- H. Ronald Zielke, PhD, professor, and Ling Li, MD, associate professor, both from the Department of Pediatrics, and David Fowler, MB, ChB, clinical associate professor, Department of Pathology, were among the co-authors on "An Anatomically Comprehensive Atlas of the Adult Human Brain Transcriptome" in *Nature*, 2012 Sept;489:391-399. The article was the subject of the cover. This data is freely accessible via the Allen Atlas data portal (http://www.brain-map.org).



Richard Thompson, PhD



NEW FACULTY



We welcome our new faculty!



Anna Belle Fishbein, MD

- ▶ Anna Belle Fishbein, MD, joined the Department of Pediatrics as an assistant professor in the Division of Allergy/Pulmonology on September 1. Dr. Fishbein was awarded her Doctor of Medicine at the University of Chicago Pritzker School of Medicine in 2007 and was a pediatric resident at Northwestern University/Children's Memorial Hospital in Chicago from 2007–2010. She followed this with a fellowship in Allergy & Immunology at University/Children's Memorial Hospital in Chicago from 2010–2012. She is board-certified in Pediatrics and board-eligible for Allergy.
- **Suma Hoffman, MD**, joined the Department of Pediatrics as an assistant professor in the Division of Pediatric Neonatology on

August 1. Dr. Hoffman was awarded her Doctor of Medicine at the University of North Carolina Chapel Hill School of Medicine in 2006. She was a resident in Pediatrics at Children's National Medical Center in Washington, DC from 2006–2009. She followed this with a fellowship in Neonatology at Children's National Medical Center beginning in 2009. She is Board certified in Pediatrics and Board eligible for Neonatal-Perinatal Medicine. She is a member of the American Academy of Pediatrics and the American Federation for Medical Research and has been the recipient of various honors and awards.



Michelle Pearce, PhD

Michelle Pearce, PhD, joined the Department of Family & Community Medicine and the Center for Integrative Medicine as an assistant professor on August 1. Dr. Pearce is a clinical psychologist, licensed to practice in Maryland, who specializes in behavioral medicine and spirituality and health. She received her PhD from Yale University after completing an internship in medical psychology at Duke University Medical Center. She then completed two post-doctoral fellowships at Duke University Medical Center, one in Cognitive Behavioral Therapy (CBT) and one with the Center for Spirituality, Theology, and Health. Dr. Pearce's research focuses on the relationship between religion/spirituality, coping, and health; spiritual needs among end-of-life oncology patients; and the

integration of spirituality into the practice of psychotherapy.

▶ Kalpesh Vakharia, MD, joined the Department of Otorhinolaryngology-Head & Neck Surgery as an assistant professor in September. Dr. Vakharia earned his Doctor of Medicine from the University of California, San Francisco. He completed his residency in Otorhinolaryngology at the Harvard Otorhinolaryngology residency program in June 2011, followed by a Facial Plastic and Reconstructive fellowship at the Cleveland Clinic.



Congratulations to the following who have received honors!

- ► Kelly Beazley, PhD, a postdoctoral fellow working in the lab of Maria Nurminskaya, PhD, associate professor, Department of Biochemistry & Molecular Biology, received the 2012 GPILS Postdoctoral Scholar Award.
- Preeta Dasgupta, PhD, 2012 GPILS graduate, won first prize (and a \$2000 cash reward) at the 17th International Conference of the Inflammation Research Association's C. Gordon Van Arman Scholarship Awards at the Sagamore Resort on Lake George, Bolton Landing, NY, in September. She was recognized for her thesis work in the Program in Molecular Microbiology & Immunology, where she studied in the lab of Achsah Keegan, PhD, professor, Department of Microbiology & Immunology and Center for Vascular and Inflammatory Diseases (CVID). Dr. Dasgupta is currently a post-doctoral fellow in the inflammation research group at MedImmune.
- ▶ **Gabriel Eades, PhD**, a graduate student in the Molecular Medicine Program working in the lab of **Qun Zhou, MD, PhD**, assistant professor, Department of Biochemistry & Molecular Biology, received the 2012 GPILS Outstanding PhD Scholar Award.
- ➤ **Steven Gambert, MD, AGSF, MACP**, professor, Department of Medicine and codirector of the Division of Gerontology and Geriatric Medicine, was named

HONORS & AWARDS continued

among the top one percent of physicians in Geriatrics by US News and World Report in September.

▶ Jennifer Huang, PhD, a postdoctoral fellow in the Department of Biochemistry & Molecular Biology working in the lab of Thomas Hornyak, MD, PhD, associate professor, Department of Dermatology, received first place for her poster presentation "Identification of EZH2 Target Genes in Melanoma" at the 2012 annual meeting of the Pan-American Society for Pigment Cell Research in Park City, UT. Her prizes included a year's online and print subscription to the journal Pigment Cell Research and a book on melanins and melanogenesis.



Vincent Njar, PhD

➤ Vincent Njar, PhD, professor and Angela Brodie, PhD, professor, both from the Department of Pharmacology, have been issued several patents that cover their invention VN/124-1

(also known as TOK-001 and Galeterone) and related compounds technology. The technology of VN/124-1 and related compounds has been licensed by University of Maryland, Baltimore (UMB) to Tokai Pharmaceuticals, Inc. in Cambridge, MA, who are currently developing the technology via clinical trials in castration-

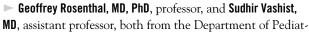


Angela Brodie, PhD

resistant prostate cancer (CRPC) patients. Tokai recently completed ARMOR1, a Phase 1 proof-of-concept study of Galeterone in patients with CRPC, part of the ARMOR (Androgen Recepto Response) clinical development program, and are

CRPC, part of the ARMOR (Androgen Receptor Modulation Optimized for Response) clinical development program, and are now initiating a Phase 2 clinical trial in patients with CRPC. Results from the ARMOR1 clinical trial were presented at the American Association for Cancer Research (AACR) Annual Meeting 2012 and the 2012 Annual Meeting of the American Society of Clinical Oncology (ASCO), showing that Galeterone demonstrated efficacy and was well-tolerated in patients with CRPC. On the basis of promising phase I studies, Tokai recently announced that Galeterone (TOK-001) has received Fast Track designation from the U.S. Food and Drug Administration (FDA) for the potential treatment of CRPC.

Christopher Plowe, MD, MPH, professor, Departments of Medicine, Microbiology & Immunology, and Epidemiology & Public Health, received in October the American College of Physicians Award for Outstanding Work in Science as Related to Medicine. Dr. Plowe has built one of the most productive malaria research programs in the world, and is best known for his work on the molecular epidemiology of drug-resistant malaria. He also holds the prestigious title of Howard Hughes Medical Institute Investigator.



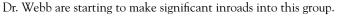


Sunjay Kaushal, MD, PhD

rics, and **Sunjay Kaushal, MD, PhD**, associate professor, Department of Surgery, were recently nominated by the parents of a pediatric surgical patient to be honored in *Great Stories*, sponsored by the UMMC Commitment to Excellence (C2X) Employee Engagement Team. This publication recognizes UMMC staff and partners who have been identified by others as individuals who have exceeded the behavioral standards, exhibited role model be-



▶ Tonya Webb, PhD, assistant professor, Department of Microbiology & Immunology, was named one of the Top 100 Women of Maryland by *The Daily Record*. This annual award honors women 40 years old or younger for the accomplishments they have made so far in their careers. They are judged on professional experience, community involvement and their commitment to inspiring change, and are recognized as the leaders of the future. Although the majority of the Top 100 women are from business backgrounds, outstanding women scientists like



■ Gerald Wilson, PhD, associate professor, Department of Biochemistry & Molecular Biology, received the 2012 GPILS Teacher of the Year Award.



Geoffrey Rosenthal, MD,



Sudhir Vashist, MD



Tonya Webb, PhD

Events, Lectures

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

- "Functional Electrical Stimulation (FES) and Non-Invasive Electrical Brain Stimulation (ESB): On the Road to Personalized Intervention in Neuro-Rehabilitation" at the International Functional Electrical Stimulation Society (IFESS), in Banff, Canada, in September.
- ▶ Bryan Ambro, MD, MS, assistant professor, Department of Otorhinolaryngology -Head & Neck Surgery, was co-director of a Microtia Reconstruction Workshop at the American Academy of Facial Plastic & Reconstructive Surgery Annual Fall meeting in Washington, DC, September 9–12.



Maureen Black, PhD



Bryan Hayes, PharmD DABAT

- ▶ Maureen Black, PhD, the John A. Scholl, MD, and Mary Louise Scholl, MD, Professor, Department of Pediatrics, presented "How Can We Integrate Early Child Development and Other Sectors to Address Stunting? Lessons from Low- and Middle-income Countries" at a meeting on "Long-term Consequences of Chronic Under-Nutrition in Early Life" at UNICEF in New York City on August 15. She also presented "Implementation Science: Integration of Nutrition and Child Development Interventions" at the New York Academy of Sciences in New York City on August 29. And she presented "Integrating Child Development and Nutrition Among Infants in Rural India: Lessons from the Field" at the Maternal and Child Health Integration Program at USAID in Washington, DC, on September 27.
- **New Meth Butler, DO**, associate professor; **Bryan Hayes, PharmD, DABAT**, clinical assistant professor; and **Floyd Howell, MD**, former emergency medicine resident (now at Franklin Square Medical Center), all from the Department of Emergency Medicine, presented "Status Epilepticus Following Use of Synthetic Marijuana" at the 2012 North American Congress of Clinical Toxicology, held in Las Vegas in early October. The abstract was published in the August issue of *Clinical Toxicology*.
- ➤ **Curt Civin, MD**, professor, Departments of Pediatrics and Physiology, associate dean for research at the School of Medi-

& Workshops

cine and director of the Center for Stem Cell Biology & Regenerative Medicine, served as a panelist for the 2012 Mid-Atlantic Bio Conference held in September in Bethesda, MD.

Raymond Cross, MD, MS, and Mark Flasar, MD, MS, were the organizers of "Updates in IBD," the 7th University of Maryland Division of Gastroenterology symposium, held on November 9 at the SMC Campus Center. The purpose of this one-day CME course was to provide up-to-date approaches to treatment and management of patients with IBD. Topics included management of moderate to severe IBD, issues in the care of women with IBD, cancer screening in chronic colitis, medical and surgical treatment of complicated and refractory IBD, endpoints of medical therapy, and risks of immune suppressant and biologic therapy.



Raymond Cross, MD, MS

- ▶ **Erin Hager, PhD**, assistant professor, Department of Pediatrics, presented an invited lecture titled "The Built Environment and Obesity Among School-Aged Children" at the Mid-Atlantic Association for Child Health and the Environment (MAACHE) conference in Baltimore on September 21.
- ▶ Ronna Hertzano, MD, PhD, assistant professor, Department of Otorhinolaryngology-Head & Neck Surgery, gave an invited lecture on "The Mouse as an Instrument for Ear Research V" at an international workshop organized by the Jackson Laboratories for new and established investigators interested in becoming researchers in the otologic field.
- ► Kristen Hurley, PhD, assistant professor, Department of Pediatrics, presented "Responsive Feeding: Integration of Nutrition and Child Development Interventions" at the New York Academy of Sciences in New York City on August 29.
- ▶ Judy LaKind, PhD, adjunct associate professor, Department of Epidemiology & Public Health, was invited to participate in the US Environmental Protection Agency's "Expert Workshop in Approaches to Improving the Risk Assessment of Persistent, Bioaccumulative and Toxic (PBT) Chemicals in Breast Milk" from October 24–26 in Research Triangle Park, NC.

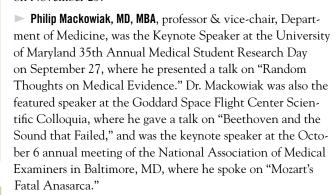


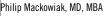
Judy LaKind, PhD

EVENTS, LECTURES & WORKSHOPS continued

▶ Alberto J. L. Macario, MD, adjunct professor, Department of Microbiology & Immununology, presented "Hsp60 Chaperonopathies: Genetic, Cancer, Inflammation" at the 6th International Symposium on Heat Shock Proteins in Biology and Medicine of the Cell Stress Society International at the Hilton Alexandria Old Town in Alexandria, VA, on November 6; "Molecular Abnormalities of Chaperones and Their Pathogenic Potential" at Centro Andaluz De Biología del Desarrollo-CSIC, Universidad Pablo de Olavide in Sevilla, Spain, on November 16; "The Human Chaperoning System and Its Diseases" at Parc de Recerca Biomedica de Barcelona (PRBB) in Barcelona, Spain, on November 19; and "Intra- and Extracellular Chaperones and Chaperonopathies" at the Instituto de Investigaciones Biomédicas "Alberto Sols" (IIB), Facultad de Medicina, Universidad Autónoma de Madrid in Madrid, Spain,

on November 23.







Kevin Pereira, MD, MS

- ▶ Kevin Pereira, MD, MS (ORL), professor, Department of Otorhinolaryngology-Head and Neck Surgery, was invited to be "Professor for the Day in Pediatric Otolaryngology" at the University of Texas Southwestern Medical Center and the Children's Medical Center of Dallas in October. He lectured on "Inflammatory Disorders of the Pediatric Airway."
- Alan Shuldiner, MD, the John L. Whitehurst Endowed Professor, Department of Medicine, and director of the Program in Personalized and Genomic Medicine, gave the Jack Mulholland Memorial Lecture, entitled "Knitting Needles, Lancaster

Haystacks and the Search for Genes for Common Diseases and Their Treatment and Prevention" at Union Memorial Hospital in Baltimore, MD, on September 6.

- ▶ Rodney Taylor, MD, associate professor, Department of Otorhinolaryngology-Head & Neck Surgery, presented "Evaluation of Superficial Musculoaponeurotic System Flap and Fat Graft Reconstructive Outcomes for Benign and Malignant Parotid Disease" at the American Academy of Otolaryngology's Annual Fall Meeting in Washington, DC, September 9–12.
- The faculty of the Department of Physiology held a Mini-Med School at the Edenwald Retirement Community in Towson earlier this year. Led by Ted Carski, '56, the faculty gave monthly lectures to the residents highlighting on-going research in the department, with emphasis on the health concerns of the elderly. It obviously had an impact—in the weeks following the lecture by Scott Thompson, PhD, professor and interim chair of the department, regarding depression in the elderly and the beneficial effects of physical exercise, Dr. Carski said use of the Edenwald Fitness Center increased by more than 50 percent.



Scott Thompson, PhD

► The University of Maryland School of Medicine's Institute for **Genome Sciences** hosted "Frontiers in Genomics," a day-long scientific symposium, on October 18 in honor of the institute's fifth anniversary. The program featured four globally recognized experts in genomics and bioinformatics: Julian Parkhill, PhD, Head of Pathogen Genomics, The Wellcome Trust Sanger Institute; Michael Snyder, PhD, Director of the Stanford Center for Genomics and Personalized Medicine: Elaine Ostrander, PhD, Chief and NIH Distinguished Investigator, the National Institutes of Health; and John Quackenbush, PhD, Director of the Center of Cancer Computational Biology, Dana-Farber Cancer Institute. They spoke about new approaches to genomic applications in infectious diseases, pathogenic research and personalized medicine to a diverse audience of researchers, students, and faculty. "We were so honored to host these well-known scientific genome leaders here for the Frontiers' program," says Claire M. Fraser, PhD, director of IGS and a professor in the Departments of Medicine and Microbiology & Immunology. "This was also a celebration for Baltimore and the University of Maryland professional schools, as our colleagues here are incorporating genomics into many different kinds of research."

In the News

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



Carissa Baker-Smith MD

- Carissa Baker-Smith, MD, MPH, MS, assistant professor, Department of Pediatrics, appeared on Your Health on Maryland Public Television on October 1. A new law took effect in Maryland on September 1, 2012, requiring all newborns to be screened for Critical Congenital Heart Disease (CCHD). Dr. Baker-Smith spoke about this important new screening, as well as symptoms and treatment advancements for critical congenital heart disease and other cardiac issues impacting the health of babies and young children.
- Anna Belle Fishbein, MD, assistant professor, Department of Pediatrics, was quoted in a July 9 article on WebMD entitled "Many Babies Healthier in Homes with Dogs."
- ► Claire Fraser, PhD, professor, Departments of Medicine and Microbiology & Immunology, and director of the Institute for Genome Sciences, was interviewed by Susan Hendricks on CNN's Medical Minute on September 11. The topic was "Bacteria in Gut May Cause Morbid Obesity." Dr. Fraser discussed her research with the Human Microbiome Project and the different species of bacteria in the gut that appear to be linked to obesity and diabetes. Dr. Fraser also discussed the same research in an interview with Nathan Sterner

on NPR's Maryland Morning radio talk show on September 12 entitled "Could Gut Bacteria Be Creating Your Gut?"

- ▶ Joyce Frye, DO, clinical assistant professor, Department of Family & Community Medicine and Center for Integrative Medicine, was featured on Everyday Health.com in an article entitled "Food Therapy for Fibromyalgia" in September 2012.
- ► Jacques Ravel, PhD, professor, Department of Microbiology & Immunology and associate director for Genomics at the Institute for Genome Sciences, was interviewed by Sheilah Kast on NPR's Maryland Morning radio talk show on July 20, discussing his new journal Microbiome. The journal was also mentioned in the Baltimore Sun's science section on July 29. Additionally, Dr. Ravel was interviewed by Dr. Jim Novick about his research on the human microbiome and its role in health and diseases on the Medical Hour WCBM radio talk show on August 26. He was also featured in the September issue of Genome Technology magazine, which noted the launch of his Microbiome journal.
- ▶ **Owen White, PhD**, professor, Department of Epidemiology & Public Health and the Institute for Genome Sciences, was interviewed by Kathleen Dunn on National Public Radio on June 20. The interview discussed his research for the Human Microbiome Project and is available for download at: http:// www.wpr.org/wcast/download-mp3-request.cfm?mp3file=dun120620e. mp3&iNoteID=155938.

Many thanks to the following people who serve as your liaisons for the information you see Family & Community Medicine: 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.

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Qun Zhou Dermatology: Betsy Satosky Diagnostic Radiology & Nuclear Medicine: Nan Knight **Emergency Medicine:**

Linda Kesselring

Medicine: Yimei Wu Karen Webster Medical & Research Technology Cynthia Stambach Medicine: Molly Lutz Microbiology & Immunology: Teri Robinson Neurology: Penelope Birckhead **Neurosurgery:** Terry Roberts Obstetrics, Gynecology & Reproductive Sciences: Robin Kissinger Ophthalmology: Chinneta Pettaway-Willis Orthopaedics: Dori Kelly Otorhinolaryngology: Bryan Ambro Pathology: Carmen White

Pediatrics: Connie Ward

Pharmacology: TBD

Epidemiology & Preventive

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Center for Mucosal Biology

Kara Longo

Jane Anderson

Research (MBRC): Pam King

Center for Shock, Trauma and Anes

thesiology Research (STAR-ORC):

Center for Research on Aging:

Office of Admissions: Mickey Foxwell Office of Development: Emily Cooke Office of Faculty Affairs & **Professional Development:** Robertha Simpson Office of Information Services: Sharon Bowser Office of Policy & Planning: Maurice Walker Office of Public Affairs: Caelie Haines Office of Research Career **Development: Stacie Small Mendoza** Office of Research & Graduate Studies: Tom Hooven Office of Student Affairs: Dawn Roberts

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