

what's the buzz?

Self-Reported News from the School of Medicine Community

GRANTS &



CONTRACTS

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



France Carrier, PhD



Richard Goldberg, PhD

► **France Carrier, PhD**, Associate Professor, Department of Radiation Oncology, and **David Weber, PhD**, Professor, Department of Biochemistry & Molecular Biology, have been awarded a five-year, \$1,592,565, National Institutes of Health (NIH) MPI RO1 award for “Rational Targeting of Protein Translation for Cancer Treatment.”

► **Martin Flajnik, PhD**, Professor, Department of Microbiology & Immunology, received a five-year grant from the NIH for his work entitled “Evolution of Adaptive Immunity.”

► **Richard Goldberg, PhD**, Associate Professor, Department of Psychiatry, and Director of the VA Capitol Health Care Network Mental Illness Research, Education and Clinical Center (VISN 5 MIRECC), received a four-year, \$1.01 million Merit Award from the VA Health Services Research and Development Service for “A Hybrid Effectiveness-Implementation Trial of a Wellness Self-Management Program.”

► **Seth Himelhoch, MD, MPH**, Associate Professor, and **Julie Kreyenbuhl, PharmD, PhD**, Associate Professor, both from the Department of Psychiatry, and **George Unick, PhD**, Assistant Professor, School of Social Work, received a two-year, \$75,000 University of Maryland Pilot and Exploratory Interdisciplinary Research Grant entitled “Feasibility and Acceptability of Using the M-Pathy Telepsychiatry Intervention in an ACT Team.”

The M-Pathy intervention uses a mobile telepsychiatry platform to link community-based social workers with office-based psychiatrists for the purpose of conducting medication monitoring sessions for individuals with

serious mental illness receiving intensive treatment and outreach services via Assertive Community Treatment (ACT) teams in Maryland.

► **Eugene Koh, MD, PhD**, Assistant Professor, Department of Orthopaedics, was recently awarded two new grants: one from the Maryland Stem Cell Research Fund for “Identification of Small Molecules to Direct Mesenchymal Stem Cell Differentiation into Intervertebral Disc Chondrocytes” and one from AOSpine North America for “Identification of Novel Drugs to Enhance Nerve Regeneration.”

► **Myron Levine, MD, DTPH**, the Grollman Distinguished Professor of Medicine and Director of the Center for Vaccine Development, has been awarded a two-year, \$997,960 grant from the National Aeronautics and Space Administration (NASA) for his research project “Incorporation of Novel Attenuating Mutations Identified in Microgravity Conditions Into the Construction of a Live Bacterial Vaccine Against Enteric Fever Caused by *Salmonella Entericaserovar Paratyphi B*.”

► **Tuo Peter Li, BS**, a MD/PhD Student in the Department of Physiology, received a five-year, \$204,939 MD/PhD F30 individual training grant renewal from the National Institute of Mental Health for research on “The Influence of Binding and Crowding on Synaptic Protein Mobility.” This individual training grant was awarded with three years of PhD and two years of MD support. F30 grants are highly competitive and only a fraction of those MD/PhD students who apply receive funding. The purpose of the F30 is to support promising pre-doctoral applicants who have the potential to become highly productive researchers in their fields.

► **Brian Polster, PhD**, Assistant Professor, Department of Anesthesiology, received a five-year, \$1,678,905 R01 award from the National Institute of Neurological Disorders and Stroke (NINDS) for his work “Novel Mechanisms of Microglial Neurotoxicity at Physiological Oxygen.”

► **Steven Prior, PhD**, Assistant Professor, Department of Medicine, was awarded a four-year, \$1,035,992 VA Merit Review Award for “Exercise Training, Circulat-

GRANTS & CONTRACTS *continued*

ing Angiogenic Cells (CACs), and Vascular Function in Older Veterans With Impaired Glucose Tolerance.” The grant began on October 1.



Jacques Ravel, PhD

► **Jacques Ravel, PhD**, Professor, Department of Microbiology & Immunology, and Associate Director of Genomics at the Institute for Genome Sciences, received a four-year, \$947,148 grant from the National Institute of General Medical Sciences at NIH for his research entitled “Modeling Diversity and Stability of Vaginal Microbial Communities,” which is being conducted in collaboration with the University of Florida. Dr. Ravel and **Rebecca Brotman, PhD, MPH**, Assistant Professor, Department of Epidemiology & Public Health and the Institute for Genome Sciences, received a two-year, \$421,902 grant from the National Institute of Allergy and Infectious Diseases (NIAID) for “Vaginal Microbiota, Immune Responses and Vulvovaginal Symptoms During Menopause.”

► **Robert Reed, MD**, Assistant Professor, Department of Medicine, was recently awarded a grant from the Flight Attendant Medical Research Institute (FAMRI) for a project entitled “Shared Susceptibility to COPD and Cardiovascular Disease.”

► **Michael Shipley, PhD**, Chairman and the Donald E. Wilson Distinguished Professor, Department of Anatomy & Neurobiology, who is also Director of the Program in Neuroscience, received a five-year, \$1,630,940 NIH R01 grant from the National Institute on Deafness and Other Communication Disorders (NIDCD) for his work on “Olfactory Glomeruli: Cellular and Network Mechanisms.”

► **Marcelo B. Sztein, MD**, Professor, Department of Pediatrics, has been awarded a two-year, \$136,161 diversity supplement by the National Institute of Allergy and Infectious Diseases (NIAID) for his R01 project “Immune Mechanisms of Protection in *S. Typhi* Vaccines.”

► **Scott Thompson, PhD**, Professor and Chair, Department of Physiology, received a five-year, \$1,177,808



Michael Shipley, PhD



Scott Thompson, PhD

training grant renewal from the National Institute of General Medical Sciences for the “Training Program in Integrative Membrane Biology.” This training grant was awarded with six pre-doctoral training slots.

► **Stefanie Vogel, PhD**, Professor, Department of Microbiology & Immunology, received an R01 grant from NIH/NIAID in the amount of \$784,554 for her work entitled “Eritoran (E5564), a TLR4 Antagonist, as a Novel Therapeutic for Influenza.”

► **Owen Woodward PhD**, Research Associate, Department of Physiology, received a one-year, \$40,000 research grant from the National Kidney Foundation of Maryland for his research work entitled “Urate Secretion, ABCG2 and Human Disease.”

► **Zhiyong Zhao, PhD**, Assistant Professor, Department of Obstetrics, Gynecology & Reproductive Sciences, received a five-year, \$1.5 million NIH R01 grant from the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) for his research on “Protein Modifications and Unfolded Protein Response in Diabetic Embryopathy.”

► **The University of Maryland Department of Radiation Oncology** has been awarded a \$25,000 grant from the Herbert Bearman Foundation to establish “The Herbert Bearman Foundation’s Maryland Proton Treatment Center-Hadassah Hospital Pediatric Cancer Collaborative.” It is the department’s expectation that this unique program will, in the near future, create opportunities for children with cancer from Israel to gain access to life-saving therapeutic evaluation, planning, and advanced proton therapy treatment in Maryland. The department will partner with colleagues in Israel to perform comparative dosimetric studies on Israeli and American children with cancer who have received radiation therapy. Multiple treatment plans will be generated based on various techniques, to compare the results obtained with conventional radiotherapy approaches versus advanced spot-scanning proton therapy techniques. A systematic, organized, and rigorous guidelines process for the recommendation of proton treatment for these children will then be developed. To the best of our knowledge, there is no such established process or partnership between Israel and any other proton center currently. By funding the framework to support this program, the department will begin to develop the evaluation processes necessary to bring children with cancer from around the world to the Maryland Proton Treatment Center for compassionate, cutting-edge cancer treatment.



Stefanie Vogel, PhD



PUBLICATIONS

Hats off to those who have been published!

► **Mary Beth Bollinger, DO**, Associate Professor, Department of Pediatrics, was among the co-authors on “Mobile Health Care Operations and Return on Investment in Predominately Underserved Children with Asthma: The Breathmobile Program” in *Population Health Management*, 2013 Aug;16(4):261-9; “Maternal Intolerance of Uncertainty, Anxiety and Adherence With Food Challenge Referrals” in *The Journal of Health Psychology*, 2013 Sep;18(9):1209-19; “Stress and Quality of Life in Caregivers of Inner-city Minority Children with Poorly Controlled Asthma” in *The Journal of Pediatric Healthcare*, 2013 Mar-Apr;27(2):127-34; and “Prescription Fill Patterns in Underserved Children With Asthma Receiving Subspecialty Care” in *The Annals of Allergy, Asthma and Immunology*, 2013 Sep;111(3):185-9.

► **Rebecca Brotman, PhD, MPH**, Assistant Professor, Department of Epidemiology & Public Health and Institute for Genome Sciences, was among the co-authors on “Menstrual Cycle and Detectable Human Papillomavirus In Reproductive-Age Women: A Time Series Study” in *The Journal of Infectious Diseases*, 2013 Nov;208(9):1404-1415.



Rebecca Brotman, PhD, MPH

► **Curt Civin, MD**, Professor of Pediatrics and Physiology, Associate Dean for Research, and director of the Center for Stem Cell Biology & Regenerative Medicine, was among the co-authors on “Investigation of the Role of Interleukin-6 and Hepcidin Antimicrobial Peptide in the Development of Anemia with Age” in *Haematologica*, 2013 Oct;98(10):1633-1640.



Curt Civin, MD

► **Everly Conway de Macario, PhD**, and **Alberto J.L. Macario, MD**, both Adjunct Professors, Department of Microbiology & Immunology, were among the co-authors on “The Future of Molecular Chaperones and Beyond” in *The Journal of Clinical Investigation*, 2013 Aug 1;123(8):3206-8; “Chaperonopathies and Chaperonotherapy. Hsp60 as Therapeutic Target in Cancer: Potential Benefits and Risks” in *Current Pharmaceutical Design*, 2013;19(3):452-7; and “Elevated Blood Hsp60, Its Structural Similarities and Cross-Reactivity with Thyroid Molecules and Its

Presence on the Plasma Membrane of Oncocytes Point to the Chaperonin as an Immunopathogenic Factor in Hashimoto’s Thyroiditis” in *Cell Stress Chaperones*, 2013 Sep 22 [Epub ahead of print]. Dr. Alberto J.L. Macario also had an invited commentary on “Hsp60: Key Clinico-Pathological Factor and a Promising Therapeutic Target” published in *World Medical Frontiers*, 2013 July 22 [Epub ahead of print].

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Anatomic Versus Physiologic Assessment of Coronary Artery Disease: Guiding Management Decisions Using Positron-Emission Tomography (PET) As a Physiologic Tool” in *The Journal of the American College of Cardiology*, 2013, Aug 14 [Epub ahead of print]. He was also among the co-authors of “On Adding Versus Selecting Imaging Modalities for Incremental Diagnosis: A Case-Study of 18F-Fluorodeoxyglucose PET/CT in Prosthetic Valve Endocarditis” in *The Journal of the American College of Cardiology Cardiovascular Imaging*, 2013 Sep; 6:1020-1.

► **Daniel Farber, MD**, Assistant Professor, Department of Orthopaedics, co-authored “Footwear Recommendation Patterns of Orthopaedic Foot and Ankle Surgeons” in *Foot & Ankle Specialist*, 2013 Jul 19 [Epub ahead of print].

► **Larry Forrester, PhD**, Associate Professor, Department of Physical Therapy & Rehabilitation Sciences, was the lead author on “Clinical Application of a Modular Ankle Robot for Stroke Rehabilitation” in *NeuroRehabilitation*, 2013;33(1):85-97. He was also among the co-authors on “Changes In Passive Ankle Stiffness and Its Effects on Gait Function in Chronic Stroke Survivors” in the *Journal of Rehabilitation Research and Development*, 2013 Jul;50(4):555-72, and “Anklebot-Assisted Locomotor Training After Stroke: A Novel Deficit-Adjusted Control Approach” in *Proceedings of the IEEE International Conference on Robotics and Automation (ICRA)*, 2013; ppi: 2167-2174.

► **Howard Goldman, MD, PhD**, Professor, Department of Psychiatry, was among the co-authors on “Economic Grand Rounds: Financing First-Episode Psychosis Services in the United States” in *Psychiatric Services*, 2013 Jun;64(6):506-8. He was also among the co-authors on “Early Detection and Intervention in First-Episode Schizophrenia: A New Therapeutic Model” in *JAMA*, 2013;310(7):689-690.



Howard Goldman, MD, PhD

PUBLICATIONS *continued*

► **Richard Goldberg PhD**, Associate Professor; **Gloria Reeves, MD**, Assistant Professor; and **Deborah Medoff, PhD**, Associate Professor, all from the Department of Psychiatry, were among the co-authors on “MOVE!: Outcomes of a Weight Loss Program Modified for Veterans With Serious Mental Illness” in *Psychiatric Services*, 2013 Aug 1;64(8):737-44.



Syed Ashfaq Hasan, MD

► **Syed Ashfaq Hasan, MD**, Associate Professor, Department of Orthopaedics, wrote an invited review article for *Medscape* online in August.

► **Tracy Hazen, PhD**, Postdoctoral Fellow; **Claire Fraser, PhD**, Professor, Departments of Medicine, Microbiology & Immunology; and **David Rasko, PhD**, Associate Professor, Department of Microbiology & Immunology, all also from the Institute for Genome Sciences, which Dr. Fraser directs, were among the co-authors on “Draft Genome Sequences of Three O157 Enteropathogenic *Escherichia coli* Isolates” in *Genome Announcements*, 2013 Jul 18;1(4), pii: e00516-13.

► **Suma Hoffman, MD**, Assistant Professor, Department of Pediatrics, was among the co-authors on “A Novel Urinary Biomarker Profile to Identify Acute Kidney Injury (AKI) in Critically Ill Neonates: A Pilot Study” in *Pediatric Nephrology*, 2013 Nov;28(11):2179-2188.

► **Richard Lichenstein, MD**, Professor, Department of Pediatrics, was among the co-authors on “Ambulatory Cell Phone Injuries in the United States: An Emerging National Concern” in *The Journal of Safety Research*, 2013 Aug 28 [Epub ahead of print].

► **Erik Lillehoj, PhD**, Associate Professor, Department of Pediatrics, was among the co-authors on “Improved Resistance to *Eimeria Acervulina* Infection in Chickens Due to Dietary Supplementation With Garlic Metabolites” in *The British Journal of Nutrition*, 2013 Jan 14;109(1):76-88.

► **Steven Ludwig, MD**, Professor, and **Daniel Gelb, MD**, Associate Professor, both from the Department of Orthopaedics, were among the co-authors on “Biomechanical Comparison of the Pullout Strengths of C1 Lateral Mass Screws and C1 Posterior Arch Screws” in *The Spine Journal*, 2013 Aug 20. pii: S1529-9430(13)00690-6 [Epub ahead of print].

► **David McDuff, MD**, Clinical Professor, Department of Psychiatry, is the long-time sports psychiatrist & mental trainer for the Baltimore Ravens and Orioles. He is the first psychiatrist in America to be given a Super Bowl ring. Dr. McDuff has been a SOM faculty for 25 years and for the past 18 years has lead a group of UMMC psychiatrists, psychologists, employee assistance professionals, and addiction specialists who have worked with Olympic, professional, collegiate, club and high school teams and athletes. Dr. McDuff documented his groundbreaking work in sports in his recent book *Sports Psychiatry: Strategies for Life Balance & Peak Performance*, published by American Psychiatric Publishing, Inc.

► **Steven Prior, PhD**, Assistant Professor, and **Alice Ryan, PhD**, Professor, both from the Department of Medicine, were among the co-authors on “Low Clonogenic Potential of Circulating Angiogenic Cells Is Associated With Lower Density of Capillaries in Skeletal Muscle in Patients with Impaired Glucose Tolerance” in *Diabetes/Metabolism Research and Reviews*, 2013; 29: 319–325.

► **Robert Reed, MD**, Assistant Professor, Department of Medicine, was among the co-authors on “Bilateral Lobar Lung Transplantation and Size Mismatch By pTLC-ratio” in the *European Journal of Cardiothoracic Surgery*, 2013 Aug;44(2):394-5; “Nonalcoholic Fatty Liver Disease and Serum Lipoproteins: The Multi-Ethnic Study of Atherosclerosis” in *Atherosclerosis*, 2013 Apr;227(2):429-36; “Lung Size Mismatch and Survival After Single and Bilateral Lung Transplantation” in the *Annals of Thoracic Surgery*, 2013 Aug;96(2):457-63; “Obstructive Sleep Apnea in Patients with End-Stage Lung Disease” in the *Journal of Clinical Sleep Medicine*, 2013;9(7):687-693; “An Oversized Allograft Is Associated With Improved Survival After Lung Transplantation for Idiopathic Pulmonary Arterial Hypertension” in the *Journal of Heart and Lung Transplantation*, 2013 Jul 19, pii: S1053-2498(13)01303-X [Epub ahead of print]; and “Donor-Recipient Size Matching and Survival after Lung Transplantation: A Cohort Study” in the *Annals of the American Thoracic Society*, 2013 Aug 29 [Epub ahead of print].

► **E. Anne Reicherter, PT, DPT, PhD**, Associate Professor; **Karen Gordes, PT, DScPT**, Assistant Professor; and **Leslie Glickman,**



Steven Prior, PhD



E. Anne Reicherter, PT, DPT, PhD

PUBLICATIONS *continued*

PT, PhD, Assistant Professor, all from the Department of Physical Therapy & Rehabilitation Sciences, were among the co-authors on “Creating Disseminator Champions for Evidence-Based Practice in Health Professions Education: An Educational Case Report” in *Nurse Education Today*, 2013 Jul;33(7):751-6.

► **David Riley**, Senior Bioinformatics Software Engineer; **Karsten Sieber**, a PhD candidate in the Molecular Medicine Program; **Kelly Robinson**, a PhD candidate in the Molecular Medicine Program; **James White, PhD**, Bioinformatics Software Engineer; and **Julie Dunning Hotopp, PhD**, Assistant Professor, Department of Microbiology & Immunology, all from the Institute for Genome Sciences, were among the co-authors on “Bacteria-Human Somatic Cell Lateral Gene Transfer Is Enriched in Cancer Samples” in *PLoS Computational Biology*, 2013 Jun;9(6):e1003107.

► **Frank Robb, PhD**, Professor, Department of Microbiology & Immunology and the Institute for Marine and Environmental Technology, was among the co-authors on “Deconstruction of Stable Cross-Beta Fibrillar Structures Into Toxic and Nontoxic Products Using a Mutated Archaeal Chaperonin” in *ACS Chemical Biology*, 2013 Sep 20;8(9):2095-101.

► **Geoffrey Rosenthal, MD, PhD**, Professor, Department of Pediatrics, was among the co-authors on “Public Health Science Agenda for Congenital Heart Defects: Report From a Centers for Disease Control and Prevention Experts Meeting” in *The Journal of the American Heart Association*, 2013 Aug 28;2(5):e000256.

► **Eric Slade, PhD**, Associate Professor, Department of Psychiatry, was among the co-authors on “Assertive Community Treatment in Veterans Affairs Settings: Impact on Adherence To Antipsychotic Medication” in *Psychiatric Services*, 2013 May 1;64(5):445-51.

► **Marcelo Szein, MD**, Professor, Department of Pediatrics, was the senior author on “Unexpected Heterogeneity of Multifunctional T Cells in Response to Superantigen Stimulation in Humans” in *Clinical Immunology*, 2013 Feb;146(2):140-52. **Monica McArthur, MD**, a Post-Doctoral

Fellow in the Department of Pediatrics, was a co-author. Dr. Szein was also joint senior author on “In Vitro Intestinal Mucosal Epithelial Responses to Wild-Type *Salmonella Typhi* and Attenuated Typhoid Vaccines” in *Frontiers in Immunology*, 2013 Feb 12;4:17. **Myron Levine, MD, DTPH**, the Grollman Distinguished Professor of Medicine and Director of the Center for Vaccine Development, was a co-author. Dr. Szein and **Steven Czinn, MD**, Professor and Chair; **Thomas Blanchard, PhD, JD**, Associate Professor; and **Hua Ding, BM, PhD**, Research Associate, all from the Department of Pediatrics, were among the co-authors on “*Helicobacter pylori* Induced Disruption of Monolayer Permeability and Proinflammatory Cytokine Secretion in Polarized Human Gastric Epithelial Cells” in *Infection & Immunity*, 2013 Mar;81(3):876-83.

► **Hervé Tettelin, PhD**, Associate Professor, Department of Microbiology & Immunology, and **David Riley**, Senior Bioinformatics Software Engineer, both from the Institute for Genome Sciences, were among the co-authors on “Genome Sequences of Two Pathogenic *Streptococcus agalactiae* Isolates From the One-Humped Camel *Camelus dromedarius*” in *Genome Announcements*, 2013 Jul 18;1(4), pii: e00515-13 [Epub ahead of print].

► **Lai-Xi Wang, PhD**, Professor, Department of Biochemistry & Molecular Biology and the Institute of Human Virology, was among the co-authors on “Synthetic Glycopeptides Reveal the Glycan Specificity of HIV-Neutralizing Antibodies” in *Nature Chemical Biology*, 2013 Aug;9(8):521-6; and “Structural Basis For Diverse N-glycan Recognition by HIV-1-Neutralizing V1-V2-Directed Antibody PG16” in *Nature Structural & Molecular Biology*, 2013 Jul;20(7):804-13.

► **Kelly Westlake, PhD, PT**, Assistant Professor, Department of Physical Therapy & Rehabilitation Sciences, was the lead author on “Neural Plasticity and Implications for Hand Rehabilitation After Neurological Insult” in *The Journal of Hand Therapy*, 2013 Apr-Jun;26(2):87-92.

► **Michael Witting, MD, MS**, Associate Professor; **Sarah Sommerkamp, MD, RDMS**, Assistant Professor; and **Brian Euerle, MD, RDMS**, Associate Professor, all from the Department of Emergency Medicine, were among the co-authors on “No Effect of Valsalva Maneuver or Trendelenburg Angle on Axillary Vein Size” in *The Journal of Emergency Medicine*, 2013 Sep;45(3):452-457.



Eric Slade, PhD



Kelly Westlake, PhD, PT

HONORS

& AWARDS



Congratulations to the following who have received honors!



Carissa Baker-Smith, MD

► **Carissa Baker-Smith, MD**, Assistant Professor, Department of Pediatrics, has been honored with the “Torchbearer Award” by the National Coalition of 100 Black Women for her exceptional accomplishments in the area of Pediatric Cardiology. This award is presented annually to “persons who have distinguished themselves by carrying the ‘Torch’ in the areas of health, education, economic development, cultural arts, or social and political action.” Dr. Baker-Smith was recognized at the Annual Torchbearer Awards Breakfast at Morgan State University on September 28.

► **Laura Latéy Bradford**, a PhD Candidate in the Molecular Microbiology & Immunology Program and the Ravel Lab at the Institute for Genome Sciences, has been selected by the Chair and faculty in the Department of Microbiology & Immunology to receive a T32 training grant in Immunity and Infection for the 2013-2014 academic year. Bradford was chosen because of her “outstanding academic performance and great potential as a researcher.”

► **P. Leon Brown**, a Graduate Student in the Program in Neuroscience, was selected to attend the prestigious NIH National Graduate Student Research Conference in Bethesda, MD, from October 6–8. This annual event sponsors 90 advanced graduate students from across the country to attend a two-day conference to present and discuss their research results with senior scientists in the NIH intramural program. This year, successful candidates were chosen from a pool of over 500 applicants. Mr. Brown, who is completing his dissertation research at the Maryland Psychiatric Research Center with **Paul Shepard, PhD**, Associate Professor, Department of Psychiatry, presented “A Role For the Lateral Habenula in Encoding

Negative Valence Via the RMTg.” Mr. Brown was also the recipient of a Ruth L. Kirschstein National Research Service Award.

► **Robert Gallo, MD**, Professor, Departments of Medicine and Microbiology & Immunology, and Director, Institute of Human Virology (IHV), received a Lifetime Achievement Award in Biomedical Science from Xi’An Jiaotong University in September. The University presented Dr. Gallo with his 31st

honorary degree, as well. Also in September, the Moscow Center for HIV/AIDS Prevention and Treatment presented Dr. Gallo with its first Lifetime Achievement Award for his “Outstanding Contribution to Global Public Health” during IHV’s 15th Annual International Meeting in Moscow, Russia.

► **Mark Kvarta**, Graduate Student, won the Graduate Program in Life Sciences’ (GPILS) 2013 PhD Scholar Award. Mark is in the Neuroscience Program, and his mentor is **Scott Thompson, PhD**, Professor and Chair, Department of Physiology. **Aparna Kishor, PhD**, now a MS-IV, won the 2013 GPILS PhD Thesis Project Award. She completed her PhD in the Molecular Medicine Program, where her mentor was **Gerald Wilson, PhD**, Associate Professor, Department of Biochemistry and Molecular Biology.

► **Lai-Xi Wang, PhD**, Professor, Department of Biochemistry & Molecular Biology and the Institute of Human Virology, will receive the 2014 Melville L. Wolfrom Award in Carbohydrate Chemistry from the American Chemical Society at the 2014 ACS Spring National Meeting in Dallas, TX, in March 2014. A concurrent symposium will held at the meeting in honor of the awardee. This award recognizes outstanding contributions to the field of carbohydrate chemistry and excellent service to the ACS Carbohydrate Division.



P. Leon Brown

APPOINTMENTS



We applaud our colleagues on their recent appointments!

► **Julie Kreyenbuhl, PharmD, PhD**, Associate Professor, Department of Psychiatry, has been appointed to the Department of Veterans Affairs (VA) Health Services Research and Development (HSR&D) Service Scientific Merit Review Board for a four-year term.

► **Lai-Xi Wang, PhD**, Professor, Department of Biochemistry & Molecular Biology and the Institute of Human Virology, was elected this past June in West Dover, VT, as Vice Chair and then Chair for the 2015 and 2017 Carbohydrate Gordon Research Conferences, respectively.



Julie Kreyenbuhl, PharmD, PhD

EVENTS, LECTURES

& WORKSHOPS



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

► **Graham Aberdeen, PhD**, Assistant Professor, Department of Obstetrics, Gynecology & Reproductive Sciences, presented an invited talk on “Suppression of Trophoblast Uterine Spiral Artery Remodeling by Estrogen During Baboon Pregnancy: Impact on Uterine and Fetal Blood Flow Dynamics” at the Aspen/Snowmass Perinatal Biology Symposium, held in Snowmass, CO, in August. At the same symposium, **Loren Thompson, PhD**, Associate Professor, Department of Obstetrics, Gynecology & Reproductive Sciences, gave an invited presentation on “Intrauterine Hypoxia, Oxidative Stress and Adaptations of Fetal Organ Function.”



Agnes Azimzadeh, PhD

► **Agnes Azimzadeh, PhD**, Associate Professor, Department of Surgery, presented an invited lecture on “CD40/CD40L in Transplantation” at the 18th NAT Conference on Common Perspectives in Transplant and Tumor Immunology in Nantes, France in June. Dr. Azimzadeh also presented invited lectures on “Lung Xenotransplantation” at the International Society of Heart and Lung Transplantation in Montreal in April; on “Genetic Modification of Swine and Innate and Adaptive Immunity in Lung Xenotransplantation” at the American Transplant Congress in Seattle in May; and “Synthetic Heparin Sulfates and Their Mimetics to Prevent Coagulation Dysregulation in Xenotransplantation” at the Drug Discovery and Therapy World Congress (DDTWC) in Boston in June. She also chaired scientific sessions in those meetings.

► **Rebecca Brotman, PhD, MPH**, Assistant Professor, Department of Epidemiology & Public Health and Institute for Genome Sciences, participated in the World Health Organization’s “Global Action Plan and Roadmap for STI Vaccine Development and Introduction” in Geneva, Switzerland in April.

► **France Carrier, PhD**, Associate Professor, Department of Radiation Oncology, was invited to chair a session on “Novel Technologies For Drug Discovery and Biotherapy: Case Study of Major Diseases” and to give a talk on “Taking Advantage of Unexpected Value of PCR-Technology to Predict Anti-cancer Drugs Efficiency,” both at the Biopharmaceutical Summit in Frankfurt, Germany, on August 8.

► **Everly Conway de Macario, PhD**, and **Alberto J.L. Macario, MD**, both Adjunct Professors, Department of Microbiology & Immunology, presented “Serological,

Immunomorphological and Bioinformatics Analyses Suggest Hsp60 is Involved in Hashimoto’s Thyroiditis Pathogenesis” and “Naïve Hsp60, Similarly to GroEL, Oligomerizes to Build Heptameric and Tetradecameric Structures” at the sixth Congress of the Cell Stress Society International (CSSI VI) in Sheffield, UK, from August 18–22.

► **Julie Kreyenbuhl, PharmD, PhD**, Associate Professor, Department of Psychiatry, presented “A Patient-Centered Approach to Improve Screening for Side Effects of Second-Generation Antipsychotics” at the 2013 Academy Health Annual Research Meeting in Baltimore.

► **Amal Mattu, MD**, Professor, Department of Emergency Medicine, was the keynote speaker at “Urgencia UC: Conceptos 2013,” the annual emergency medicine conference sponsored by the Catholic University of Chile. Dr. Mattu conducted a five-hour advanced ECG conference and presented three lectures: “10 Things You Must Consider in the Decompensating Patient: Beyond A-B-C and ACLS,” “Infections in the Elderly: Simple Pearls to Save a Life,” and “Syncope, Sudden Death, and the ECG.” The conference was held in Santiago, Chile, in late August.

► **Alan Shuldiner, MD**, the John Whitehurst Professor in the Department of Medicine, Associate Dean for Personalized Medicine, and Director of the Program in Genetics and Genomic Medicine, hosted a conference at the SMC Campus center on September 3. The topic was “Regulatory Issues in Next-Generation Medicine and Pharmacogenomics.” This one-day meeting was part of the FDA-funded University of Maryland Center of Excellence in Regulatory Science and Innovation (MCERSI).

► **Joseph Stains, PhD**, Assistant Professor, Department of Orthopaedics, presented “Both the Connexin 43-Specific Channel and C Terminus Are Required for the Regulation of Runx2 Activity and Osteoblast Gene Expression” at the International Gap Junction Conference in Charleston, SC, in July.

► **Marcelo Sztein, MD**, Professor, Department of Pediatrics, presented “Recent Advances on the Complex and Multifaceted T Memory and Effector Immunity Elicited to *S. Typhi* in Humans” during the 8th International Conference on Typhoid Fever and Other Invasive Salmonellosis in Dhaka, Bangladesh.

► **Larry Weiss, MD, JD**, professor, Department of Emergency Medicine, attended the Seventh Mediterranean Emergency Medicine Congress, held in Marseille, France, in mid-September. In addition to serving as co-chair and panelist for the leadership track, he presented two lectures: “Leadership in Emergency Medicine” and “Healthcare Systems: US v Europe.”

NEW FACULTY



Michael Chuong, MD



Mark Mishra, MD

We welcome our new faculty!

► **Michael Chuong, MD**, joined the Department of Radiation Oncology as an Assistant Professor on August 26. Dr. Chuong received his medical degree from the University of South Florida College of Medicine in 2008 and completed his internship at University of South Florida College of Medicine in 2009. Dr. Chuong recently completed his Radiation Oncology residency training at the H. Lee Moffitt Cancer Center/ University of South Florida where he served as Chief Resident and received several research and travel awards. Dr. Chuong's primary focus will be gastrointestinal, gynecological and lymphoma/blood malignancies. He will work with **Navesh Sharma, DO, PhD**, Assistant Professor, in developing a lead role in our successful liver directed-therapy program, inclusive of radioembolization.

► **Mark Mishra, MD**, joined the Department of Radiation Oncology as an Assistant Professor on August 26. Dr. Mishra received his medical degree from the University of Cincinnati College of Medicine in 2008 and completed his internship at the McGaw Medical Center in 2009. While in medical school, Dr. Mishra served as a Fellow and completed the Clinical Research Training

Program at the National Institutes of Health. Dr. Mishra recently completed his Radiation Oncology residency training at the Thomas Jefferson University Hospital, where he served as Chief Resident. Dr. Mishra will work initially at the downtown UMMC site but, by early 2014, he will become primarily based at Upper Chesapeake Health (UCH), where his focus will be on development of the clinical program at UCH and growing the UCH radiation oncology-based clinical trials and research program.

► **Elizabeth Nichols, MD**, joined the Department of Radiation Oncology as an Assistant Professor on July 1. Dr. Nichols received her medical degree from the University of Maryland School of Medicine in 2008 and completed her internship at the University of Maryland Medical Center (UMMC) in 2009. Dr. Nichols recently completed her Radiation Oncology residency training at UMMC, where she served as Chief Resident. She will be primarily based at Central Maryland Radiation Oncology Center (CMRO), located in Howard County, with a primary focus on the breast/Gammapod program. She will also oversee and promote the Stereotactic Based Radiation Therapy (SBRT) program for the center and assume the lead role in growing the CMRO clinical trials and research program.



Elizabeth Nichols, MD

Buzz Contacts

Many thanks to the following people who serve as your liaisons for the information you see in *What's the Buzz?* Please send information (within the realm of the categories listed above) that you would like to see in the *Buzz* to the appropriate person within your department, program, center or office.

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