



What's the Buzz?

MARCH 2017 VOL.19 NO.3

SELF-REPORTED NEWS from the SCHOOL OF MEDICINE COMMUNITY

Grants & Contracts

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



Andrea Berry, MD

► **Andrea Berry, MD**, Assistant Professor of Pediatrics, Institute for Global Health, received a five-year, \$915,020 K23 award for “Protein Microarray Antibody Responses to *P. falciparum* in a Human Challenge Model.”

► **France Carrier, PhD**, Associate Professor of Radiation Oncology, Marlene and Stewart Greenebaum Comprehensive Cancer Center, received a four-year, \$1,053,000 Merit Award from the Veteran’s Administration for “Chemopotentiality by Low Dose Fractionated Radiation Therapy for Disseminated Gastric Cancer.”



France Carrier, PhD



Hancai Dan, PhD

► **Hancai Dan, PhD**, Assistant Professor of Pathology, Marlene and Stewart Greenebaum Comprehensive Cancer Center, received a five-year year, \$1.8M R01 from the National Cancer Institute for “Inhibition of Castration Resistant Prostate Cancer by Targeting of the IKKbeta/AR Signaling.”

► **Erin Hager, PhD**, Assistant Professor, and **Maureen Black,**



Erin Hager, PhD

PhD, Professor, both from the Department of Pediatrics, are co-investigators on a five-year (2017–2022) R01 from NICHD entitled “Preventing Early Childhood Obesity in American Indian Populations.” The PI is Allison Barlow, ScD, from the Center for American Indian Health at the Johns Hopkins Bloomberg School of Public Health.

► **Shannon Takala Harrison, PhD**, Associate Professor of Medicine in the Division of Malaria Research, Institute for Global Health, received a five-year, \$1,632,515 R01 award for “Identification and Validation of Molecular Markers of Piperaquine Resistance.”



Shannon Takala Harrison, PhD



Kirsten Lyke, MD

► **Kirsten Lyke, MD**, Associate Professor of Medicine, Center for Vaccine Development and the Institute for Global Health, received a one-year, \$193,673 grant from the Henry M. Jackson Foundation for “A Systems Biology Approach to Malaria Immunity.”

► **Laurence Magder, PhD**, Professor, Department of Epidemiology & Public Health, was awarded \$73,421 for an initial year of funding on a five-year award from Johns Hopkins University for his ongoing work on the Hopkins Lupus Cohort Study, funded by the National Institutes of Health.

► **Michael Mazzeffi, MD, PhD**, Assistant Professor, Department of Anesthesiology, received a two-year, \$150,000 APSF/American Society of

Grants & Contracts *continued*

Anesthesiologist (ASA) Endowed Research Award for “High-Flow Nasal Cannula Oxygen in Patients Having Anesthesia for Endoscopy.”



Istvan Merenthaler,
MD, PhD, DSc

► **Istvan Merenthaler, MD, PhD, DSc**, Professor, Department of Epidemiology & Public Health, received a two-year, \$432,329 award from the National Institute of Neurological Disorders and Stroke to study the “Effect of PACAP on Onset and Progression of Parkinsons Disease in Chronic Models (MPI).”

► **Charlene Quinn, PhD, RN**, Associate Professor, Department of Epidemiology & Public Health, was awarded a telehealth grant totaling over \$75,000 by the Maryland Health Care Commission (MHCC), to demonstrate the impact of using telehealth to increase access to health care and improve population health in rural communities of the Eastern Shore.



Vincent See, MD

► **Sandra Mooney, PhD**, Associate Professor, Department of Pediatrics, received a five-year, \$1,250,000 grant from the National Institute on Alcohol Abuse and Alcoholism (NIAAA) for “Model of Fetal Alcohol Syndrome.”

► **Vincent See, MD**, Assistant Professor, Department of Medicine, received a two-year, \$154,000 award from the American Heart Association for “Integrated Biomarkers of Myocardial Fibrosis and Injury Predict Atrial Fibrillation Substrate and Ablation Outcome.”

► **Nevil Singh, PhD**, Assistant Professor, Department of Microbiology & Immunology, received a \$192,888 supplement to his RO1 grant from the National Institutes of Allergy & Infectious Diseases’ Office of AIDS Research (OAR) to develop a proof-of-concept study for exploiting the



Michael Mazzeffi, MD, PhD



Charlene Quinn, PhD, RN,
FAAN

basic mechanisms of memory T cell homeostasis towards clearing HIV reservoirs.

► **Dudley Strickland, PhD**, Professor of Surgery and Physiology, Director of the Center for Vascular and Inflammatory Diseases, and Associate Dean of Graduate and Postdoctoral Studies, received a seven-year, \$5,405,872 new award from the National Institutes of Health (NIH)/ National Heart, Lung, and Blood Institute (NHLBI). This “Outstanding Investigator Award (R35 grant)” is designed to promote scientific productivity and innovation by providing long-term support and increased flexibility to experienced principal investigators, and is the first time this prestigious award has been issued by NHLBI. Dr. Strickland’s study, “Role of LDL Receptor Family Members in Protecting the Vasculature,” will use a well-developed mice model to investigate the mechanisms associated with aneurysm formation and define the role of LDL-receptor family members in this process. It is anticipated that data generated from this study will give insight into how members of the LDL receptor superfamily protect the vasculature from disease and may eventually allow intervention prior to rupture of the vessels and prevent death.

► **Jennifer Wenzel, PhD**, Postdoctoral Fellow in the laboratory of **Joseph Cheer, PhD**, Associate Professor, Department of Anatomy & Neurobiology, received a two-year, \$115,542 National Research Service Award (NRSA) for “Neural Regulation of Cocaine Valuation by Adolescent Cannabinoid Exposure.”

► **Emerson Wickwire, PhD, ABPP, CBSM, FAASM**, Assistant Professor, Departments of Psychiatry and Medicine, received \$256,455 in funding for an investigator-initiated research project from Merck & Co entitled “Trends in Insomnia Diagnosis and Treatment of Insomnia and Impact on Healthcare Utilization Among Older Adult Medicare Beneficiaries, 2006–2013.”

► **The Department of Diagnostic Radiology and Nuclear Medicine** has been awarded \$358,700 to take part in a seven-year study entitled “Radiation-Emitting SIR-Spheres in Non-Resectable Liver Tumor Patient Study (RESIN).” RESIN is a registry study creating a longitudinal database of treatment and outcome data in patients with primary and secondary liver cancer receiving Y90 microspheres. The PI is **Nabeel Akhter, MD**, Assistant Professor.



Nevil Singh, PhD



Dudley Strickland, PhD

Publications

Hats off to those who have been published!



Carissa Baker-Smith,
MD, MS, MPH, FAAP,
FAHA

► **Carissa Baker-Smith, MD, MS, MPH, FAAP, FAHA**, Assistant Professor, Department of Pediatrics, was a co-author on “Development of Quality Metrics in Ambulatory Pediatric Cardiology” in *Journal of the American College of Cardiology*, 2017 Feb 7;69(5):541-555, as part of the American College of Cardiology’s Adult Congenital and Pediatric Cardiology Section’s Ambulatory Pediatric Cardiology Quality Metrics Working Group. Consistent with the American College of Cardiology’s (ACC’s) aim to improve cardiovascular care, the ACC Adult Congenital and Pediatric Cardiology Council (ACPC) Leadership Council recognized the need to develop quality metrics (QMs) to guide practice for pediatric cardiology. This paper reviews the structure established to develop candidate QMs in five key areas, including chest pain, tetralogy of Fallot, transposition of the great arteries, infection prevention, and Kawasaki disease.

► **Kathryn Hughes Barry, PhD, MPH**, Assistant Professor, Department of Epidemiology & Public Health, was among the co-authors on “Sex Steroid Hormone Single-Nucleotide Polymorphisms, Pesticide Use and the Risk of Prostate Cancer: A Nested Case-Control Study Within the Agricultural Health Study” in *Frontiers in Oncology*, 2016 Nov 21 [Epub ahead of print]. She was also among the co-authors on “High Pesticide Exposure Events and DNA Methylation Among Pesticide Applicators in the Agricultural Health Study” in *Environmental and Molecular Mutagenesis*, 2016 Dec 20 [Epub ahead of print].



Kathryn Hughes Barry, PhD,
MPH

► **Soren Bentzen, PhD, DMSc**, Professor, Department of Epidemiology & Public Health, was among the co-authors on “Optimal Design and Patient Selection for Interventional



Søren Bentzen, PhD,
DMSc

Trials Using Radiogenomic Biomarkers: A REQUITE and Radiogenomics Consortium Statement” in *Radiotherapy Oncology*, 2016 Dec;121(3):440-446.

► **Neha Bhooshan, MD, PhD**, Resident; **Shahed Badiyan, MD**, Assistant Professor; **Adeel Kaiser, MD**, Assistant Professor; **Young Kwok, MD**, Associate Professor; **Pradip Amin, MD**, Associate Professor; and **Svetlana Kudryasheva**, Research Project Coordinator, all from the Department of Radiation Oncology, were among the co-authors of “Pretreatment Tumor Volume as a Prognostic Factor in Metastatic Colorectal Cancer Treated with Selective Internal Radiation to the Liver Using Yttrium-90 Resin Microspheres” in *Journal of Gastrointestinal Oncology*, 2016 Dec;7:931-937.

► **Jasjeet Bhullar, PhD**, Postdoctoral Fellow; **Veena Bhopale, MPhil, PhD**, Lab Manager; **Ming Yang, MD**, Research Associate; **Kinjal Sethuraman, MD, MPH**,



Shahed Badiyan, MD

Associate Professor; and **Stephen Thom, MD, PhD**, Professor, all from the Department of Emergency Medicine, co-authored “Microparticle Formation by Platelets Exposed to High Gas Pressures—An Oxidative Stress Response” in *Free Radical Biology & Medicine*, 2016 Dec;101:154-162.



Kinjal Sethuraman, MD, MPH

► **Joana Carneiro Da Silva, PhD**, Associate Professor of Microbiology & Immunology, Institute for Genome Sciences, and **Kara Moser, MPH, PhD** Candidate, Silva Lab and the Program in Epidemiology & Human Genetics, were among the co-authors on “Protection Against *Plasmodium falciparum* Malaria by PfSPZ Vaccine” in *Journal of Clinical Investigation Insight*, 2017 Jan;12;2(1):e89154.

► **Cher Dallal, PhD**, Assistant Professor (secondary), and **Joanne Dorgan, PhD, MPH**, Professor, both from the



Joana Carneiro Da Silva,
PhD

Publications *continued*

Department of Epidemiology & Public Health, were among the co-authors on “Association of Estrogen Metabolism with Breast Cancer Risk in Different Cohorts of Postmenopausal Women” in *Cancer Research*, 2017 Feb 15;77(4):918-925.



Vasken Dilsizian, MD

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was the co-editor of a monograph entitled “*Atlas of Cardiac Innervation, 1st edition*,” New York, NY: Springer, 2017.

► **Richard Eckert, PhD**, the John F.B. Weaver Distinguished Professor and Chair, Department of Biochemistry & Molecular Biology, and Associate Director, Basic Science, Greenebaum Cancer Center, and his laboratory,

published several key manuscripts on cancer stem cell survival including “Transamidase Site-Targeted Agents Alter the Conformation of the Transglutaminase Cancer Stem Cell Survival Protein to Reduce GTP Binding Activity and Cancer Stem Cell Survival” in *Oncogene*, 2016 [Epub ahead of print]; “Transglutaminase Interaction with $\alpha 6 / \beta 4$ -Integrin Stimulates YAP1-Dependent $\Delta N p 6 3 \alpha$ Stabilization and Leads to Enhanced Cancer Stem Cell Survival and Tumor Formation” in *Cancer Research*, 2016 Dec 15;76(24):7265-7276; and “VEGF-A Acts Via Neuropilin-1 to Enhance Epidermal Cancer Stem Cell Survival and Formation of Aggressive and Highly Vascularized Tumors” in *Oncogene*, Aug 18;35(33):4379-87. These papers define a new signaling pathway that enhances cancer stem cell survival, and tumor growth and vascularization.

► **Benjamin Emmanuel, MPH**, (first author); **Samer El-Kamary, MB, ChB, MPH**, Associate Professor (last author); and **Laree Tracy, PhD**, Adjunct Professor, all from the Department of Epidemiology & Public Health; and **Shyamasundaran Kottlil, MBBS, PhD**,



Richard Eckert, PhD



Samer El-Kamary, MB, ChB, MPH

Professor, Department of Medicine, were among the co-authors on “Racial Disparity in All-Cause Mortality Among Hepatitis C Virus-Infected Individuals in a General US Population, NHANES III” in *Journal of Viral Hepatitis*, 2016 Dec 1 [Epub ahead of print].

► **Pawel Gajer, PhD**, Research Associate; **Bing Ma, PhD**, Research Associate; **Michael Humphrys**, Lab Research Specialist; and **Jacques Ravel, PhD**, Professor of Microbiology & Immunology, and Associate Director, Genomics, all from the Institute for Genome Sciences, were among the co-authors on “Association of HPV Infection and Clearance with Cervicovaginal Immunology and the Vaginal Microbiota” in *Mucosal Immunology*, 2017 Jan 25 [Epub ahead of print].



Ron Gartenhaus, MD

► **Ron Gartenhaus, MD**, Professor, Department of Medicine and the Greenebaum Comprehensive Cancer Center, was among the co-authors on “Circulating microRNAs Predict Lymphoma Development” in *PLoS One*, 2017 Jan 20;12(1) and on “Proteasomal Inhibition by Ixazomib Induces CHK1 and MYC-Dependent Cell Death in T-cell and Hodgkin Lymphoma” in *Cancer Research*, 2016 Jun 1;76(11).

► **Jack Guralnik, MD, PhD, MPH**, Professor, Department of Epidemiology & Public Health, was among the co-authors on “Plaque Composition in the Proximal Superficial Femoral Artery and Peripheral Artery Disease Events” in *JACC Cardiovascular Imaging*, 2016 Nov 3 [Epub ahead of print]. Dr. Guralnik was also among the co-authors on “Combining Gait Speed and Recall Memory to Predict Survival in Late Life: Population-Based Study” in *Journal of the American Geriatrics Society*, 2016 Dec 28 [Epub ahead of print]; and “Short Physical Performance Battery and All-Cause Mortality: Systematic Review and Meta-Analysis” in *BMC Medicine*, 2016 Dec 22;14(1):215.

► **Anthony Harris, MD, MPH**, Professor (first author), and **Lisa Pineles, MA**, Research Associate, (second author), both from the Department of Epidemiology & Public Health, were among the co-authors on



Bing Ma, PhD



Jack Guralnik, MD, PhD, MPH

Publications *continued*



Anthony Harris, MD, MPH

“Recognising the Value of Infection Prevention and Its Role in Addressing the Antimicrobial Resistance Crisis” in *BMJ Quality and Safety*, 2016 Dec 21 [Epub ahead of print]. Dr. Harris was also among the co-authors on “Comparing the Outcomes of Patients With Carbapenemase-Producing and Non-Carbapenemase-Producing Carbapenem-Resistant *Enterobacteriaceae* Bacteremia” in *Clinical Infectious Diseases*, 2017 Feb 1;64(3):257-264, and “Risk Factors for Bacteremia in Patients With Urinary Catheter-Associated Bacteriuria” in *American Journal of Critical Care*, 2016 Dec;26(1):43-52.

Dr. Harris, Lisa Pineles, (second author), and **Surbhi Leekha, MBBS, MPH**, Associate Professor, also from the Department of Epidemiology & Public Health, were among the co-authors on “Which Comorbid Conditions Should We Be Analyzing as Risk Factors for Healthcare-Associated Infections?” in *Infection Control & Hospital Epidemiology*, 2016 Dec 29:1-6 [Epub ahead of print].

► **Michael Humphrys**, Lab Research Specialist, and **Jacques Ravel, PhD**, Professor of Microbiology & Immunology, and Associate Director, Genomics, both from the Institute for Genome Sciences (IGS), were among the co-authors on “The Effect of Cigarette Smoking on the Oral and Nasal Microbiota” in *Microbiome*, 2017 Jan 17;5(1):3. Dr. Ravel and **Bing Ma, PhD**, Research Associate, IGS, were among the co-authors on “Rectal Microbiota Among HIV-Uninfected, Untreated HIV, and



Jacques Ravel, PhD

Treated HIV-Infected Men Who Have Sex with Men (MSM) in Nigeria” in *AIDS (London)*, 2017 Mar 27;31(6):857-862.

► **Olukemi Ifeonu, MSc**, Bioinformatics Analyst; **Clara Daly**, Software Engineer; **Victor Felix, MSc**, Manager, Bioinformatics Software Engineering; and **Joana Carneiro Da Silva, PhD**, Associate Professor of Microbiology & Immunology, all from the Institute for Genome Sciences, together with **Raphael Simon, PhD**, Assistant Professor of Medicine; **Sharon Tennant, PhD**, Assistant Professor



Raphael Simon, PhD

of Medicine; and **Myron Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor of Medicine and Associate Dean for Global Health, Vaccinology and Infectious Diseases, all from the Institute for Global Health, were among the co-authors on “*Cryptosporidium hominis* Gene Catalog: A Resource for the Selection of Novel *Cryptosporidium* Vaccine Candidates” in *Database (Oxford)*, 2016 Oct 19;2016.



Isabel Jackson, PhD

► **Isabel Jackson, PhD**, Assistant Professor (first author), and **Zeljko Vujaskovic, MD, PhD**, Professor (last author), both from the Department of Radiation Oncology; and **Soren Bentzen, PhD, DMSc**, Professor, and **Yuji Zhang, PhD**, Assistant Professor, both from the Department of Epidemiology & Public Health, were among the co-authors on “Pathophysiological Mechanisms Underlying Phenotypic Differences in Pulmonary Radioresponse” in *Scientific Reports*, 2016 Nov 15;6:36579.

► **Laundette Jones, PhD**, Assistant Professor, Department of Epidemiology & Public Health, was second author on “RANKL/RANK: From Bone Loss to the Prevention of Breast Cancer” in *Open Biology*, 2016 Nov;6(11).



Miriam Laufer, MD, MPH

► **Miriam Laufer, MD, MPH**, Associate Professor of Pediatrics, and Director, Division of Malaria Research, Institute for Global Health (IGH); **Andrea Buchwald**; and **Lauren Cohee, MD, MS**, Postdoctoral Fellow, both also from IGH, were among the co-authors on “Insecticide-Treated Net Effectiveness at Preventing *Plasmodium falciparum* Infection Varies By Age and Season” in *Malaria Journal*, 2017 Jan 17;16(1):32.



Laundette Jones, PhD

► **Myron Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor of Medicine and Associate Dean for Global Health, Vaccinology and Infectious Diseases; **Wilbur Chen, MD, MS**, Associate Professor of Medicine; and **James Kaper, PhD**, Professor

Publications *continued*

and Chair, Department of Microbiology and Immunology, and Senior Associate Dean for Academic Affairs, all from the Center for Vaccine Development, Institute for Global Health, were among the co-authors on “PaxVax CVD 103-HgR Single-Dose Live Oral Cholera Vaccine” in *Expert Review of Vaccines*, 2017 Feb 6 [Epub ahead of print]. Dr. Levine was also among the co-authors on “Evaluation of the Clinical and Microbiological Response to *Salmonella Paratyphi* A Infection in the First Paratyphoid Human Challenge Model” in *Clinical Infectious Diseases* 2017 Feb 4 [Epub ahead of print], and “Chaperone-Usher Pili Loci of Colonization Factor-Negative Human Enterotoxigenic *Escherichia coli*” in *Frontiers in Cellular and Infection Microbiology*, 2017 Jan 6;6:200.



Myron Levine, MD, DTPH

► **Yuanyuan Liang, PhD, MSc**, Interim Visiting Assistant Professor, Department of Epidemiology & Public Health, was among the co-authors on “FIB-4 and Imaging for Measuring Fibrosis in Hepatitis C” in *European Journal of Gastroenterology & Hepatology*, 2017 Feb;29(2):192-198; “Time Delays In Transdermal Alcohol Concentrations Relative to Breath Alcohol Concentrations” in *Alcohol and Alcoholism*, 2017 Jan;52(1):35-41; and “Early Adolescent Trajectories of Impulsiveness and Sensation-Seeking in Children of Fathers With Histories of Alcohol and Other Substance Use Disorders” in *Alcoholism: Clinical and Experimental Research*, 2016 Dec;40(12):2622-2630.



Alicia Lucksted, PhD

► **Alicia Lucksted, PhD**, Associate Professor (first author); **Amy Drapalski, PhD**, Clinical Associate Professor; **Melanie Charlotte, MA**; and **Li Juan Fang, MS** (last author), all from the Department of Psychiatry; and **Clayton Brown, PhD**, Associate Professor, Department of Epidemiology & Public Health, were among the co-authors on “Outcomes of a Psychoeducational Intervention to Reduce Internalized Stigma Among Psychosocial Rehabilitation Clients” in *Psychiatric Services*, 2016 Dec 1 [Epub ahead of print].

► **Kirsten Lyke, MD**, Associate Professor of Medicine, Institute for Global Health, was senior author on “Attenuated PfSPZ Vaccine Induces Strain-Transcending T

Cells and Durable Protection Against Heterologous Controlled Human Malaria Infection” in *Proceedings of the National Academy of Sciences*, 2017 Feb;114(10):2711-2716. Dr. Lyke and her co-authors also designed the cover of this issue of *PNAS*.

► **Jordan Margo, MD**, Clinical Instructor Fellow (first author), and **Wuqaas Munir, MD**, Associate Professor, both from the Department of Ophthalmology and Visual Sciences; and **Clayton Brown, PhD**, Associate Professor, Department of Epidemiology & Public Health, were among the co-authors on “Association Between Endothelial Cell Density and Transplant Suitability of Corneal Tissue With Type 1 and Type 2 Diabetes” in *JAMA Ophthalmology*, 2016 Dec 29 [Epub ahead of print].



Wuqaas Munir, MD

► **Michael Mazzaffi, MD, MPH**, Assistant Professor (first author); **Kenichi Tanaka, MD**, Professor (last author); **Evan Chriss, MD**, Resident; and **Peter Rock, MD, MBA**, all from the Department of Anesthesiology; **Min Zhan, PhD**, Associate Professor, and **Anthony Harris, MD, MPH**, Professor, both from the Department of Epidemiology & Public Health; and **James Gammie, MD**, Professor, Department of Surgery, were among the co-authors on “Optimal Plasma Transfusion in Patients Undergoing Cardiac Operations With Massive Transfusion” in *Annals of Thoracic Surgery*, 2016 Dec 10 [Epub ahead of print].



Kenichi Tanaka, MD



Jay Magaziner, PhD, MSHyg

► **Jay Magaziner, PhD, MSHyg**, Professor and Chair, Department of Epidemiology & Public Health, was among the co-authors on “Regional Versus General Anesthesia for Promoting Independence after Hip Fracture (REGAIN): Protocol for a Pragmatic, International Multicentre Trial” in *BMJ Open*, 2016 Nov 15;6(11):e013473.

► **Laurence Magder, PhD**, Professor, Department of Epidemiology & Public Health, was among the co-authors on “Progression of Noncalcified and Calcified Coronary Plaque by CT Angiography in SLE” in *Rheumatology International*, 2017 Jan;37(1):59-65.



Laurence Magder, PhD

Publications *continued*

► **Braxton Mitchell, MPH, PhD**, Professor, Departments of Medicine and Epidemiology, and **Alan Shuldiner, MD**, the John L. Whitehurst Professor of Medicine, and Director of the Program for Pharmacogenomics and Genomic Medicine, were among the co-authors on “CPT1A Methylation is Associated with Plasma Adiponectin” in *Nutrition, Metabolism and Cardiovascular Diseases*, 2017 Mar;27(3):225-233.



Braxton Mitchell, MPH, PhD

► **Andrew Neuwald, PhD**, Professor of Biochemistry & Molecular Biology, Institute for Genome Sciences, was first and corresponding author on “Inference of Functionally-Relevant N-acetyltransferase Residues Based on Statistical Correlations” in *PLoS Computational Biology*, 2016 Dec 21;12(12):e1005294.



Andrew Neuwald, PhD

► **Timothy O'Connor, PhD**, Assistant Professor, Department of Medicine, was among the co-authors on “Using Genotype Array Data to Compare Multi- and Single-Sample Variant Calls And Improve Variant Call Sets From Deep Coverage Whole-Genome Sequencing Data” in *Bioinformatics*, 2016 Dec 29 [Epub ahead of print].



Timothy O'Connor, PhD

► **Nathan O'Hara, MHA**, Clinical Research Manager; **Joshua Abzug, MD**, Associate Professor; and **Gerard Slobogean, MD, MPH**, Assistant Professor (last author), all from the Department of Orthopaedics; and **Min Zhan, PhD**, Associate Professor, Department of Epidemiology & Public Health, were among the co-authors on “Timing of Hip Fracture Surgery and 30-Day Outcomes” in *Orthopedics*, 2016 Nov 1;39(6):361-368.



Joshua Abzug, MD

► **Denise Orwig, PhD**, Associate Professor (first author); **Mona Baumgarten, PhD**, Professor; **Michael Terrin, MDCM, MPH**, Professor; **Ann Gruber-Baldini, PhD**, Professor; **Laurence Magder, PhD**, Professor; and **Jay Magaziner, PhD, MSHyg**, Professor and Chair (last author), all from the Department of Epidemiology & Public Health; and **Brock Beamer, MD**, Assistant Professor, Department of Medicine, were among the co-authors on “Improving Community Ambulation After Hip Fracture: Protocol for a Randomised, Controlled Trial” in *Journal of Physiotherapy*, 2017 Jan;63(1):45-46.



Denise Orwig, PhD

► **Daniel Prantner, PhD**, Academic Fellow; **Darren Perkins, PhD**, Assistant Professor; and **Stefanie Vogel, PhD**, Professor, all from the department of Microbiology & Immunology, were the co-authors on “AMP-activated Kinase (AMPK) Promotes Innate Immunity and Antiviral Defense through Modulation of Stimulator of Interferon Genes (STING) Signaling” in *Journal of Biological Chemistry*, 2017 Jan 6;292(1):292-304.



David Rasko, PhD

► **David Rasko, PhD**, Professor, Department of Microbiology & Immunology, Institute for Genome Sciences, was among the co-authors on “Chaperone-Usher Pili Loci of Colonization Factor-Negative Human Enterotoxigenic *Escherichia coli*” in *Frontiers in Cellular Infections Microbiology*, 2017 Jan 6;6:200.

► **Katharina Richard, PhD**, Academic Fellow, Department of Microbiology & Immunology; **Eileen Barry, PhD**, Professor of Medicine and the Center for Vaccine Development, Institute for Global Health; **Robert Ernst, PhD**, Professor, School of Dentistry; and **Stefanie Vogel, PhD**, Professor, Department of Microbiology & Immunology, were among the co-authors on “Monophosphoryl Lipid A Enhances Efficacy of a Francisella tularensis LVS-Catanionic Nanoparticle Subunit Vaccine against F. tularensis Schu S4 Challenge by Augmenting both Humoral and Cellular Immunity” in *Clinical and Vaccine Immunology*, 2017 Mar;24(3).



Eileen Barry, PhD

Publications *continued*

► **Kelly Robinson**, PhD Candidate, Molecular Medicine Program, Dunning Hotopp Lab; **Jonathan Crabtree**, Lead Bioinformatics Software Engineer; **John Mattick**, Bioinformatics Analyst; and **Julie Dunning Hotopp, PhD**, Associate Professor of Microbiology & Immunology, all from the Institute for Genome Sciences, were among the co-authors on “Distinguishing Potential Bacteria-Tumor Associations from Contamination in a Secondary Data Analysis of Public Cancer Genome Sequence Data” in *Microbiome*, 2017 Jan 25;5(1):9.



Julie Dunning Hotopp, PhD

► **Amit Sawant, PhD**, Associate Professor, Department of Radiation Oncology, was among the co-authors on “Predictive Modeling of Respiratory Tumor Motion for Real-Time Prediction of Baseline Shifts” in *Physics in Medicine and Biology*, 2017 Jan 11 [Epub ahead of print].



Amit Sawant, PhD

► **O. Colin Stine, PhD**, Professor, Department of Epidemiology & Public Health, was among the co-authors on “Analysis of Aichi virus and Saffold Virus Association with Pediatric Acute Gastroenteritis” in *Journal of Clinical Virology*, 2016 Dec 12;87:37-42.

► **Kerri Thom, MD**, Associate Professor (first author), and **Daniel Morgan, MD, MS**, Associate Professor, both from the Department



Daniel Morgan, MD, MS

of Epidemiology & Public Health, and **Emily Heil, PharmD**, Clinical Assistant Professor, Department of Medicine (secondary appointment), were among the co-authors on “Advancing Interprofessional Patient Safety Education for Medical, Nursing, and Pharmacy Learners During Clinical Rotations” in *Journal of Interprofessional Care*, 2016 Nov;30(6):819-822. Dr. Morgan was also a co-author on “Status of the Prevention of Multidrug-Resistant Organisms in International Settings: A Survey of the Society for Healthcare Epidemiology of America Research Network” in *Infection Control & Hospital Epidemiology*, 2017 Jan;38(1):53-60.



Zeljko Vujaskovic, MD, PhD

► **Zeljko Vujaskovic, MD, PhD**, Professor, Department of Radiation Oncology, was among the co-authors on “Toxicity and Quality of Life Report of a Phase II Study of Stereotactic Body Radiotherapy (SBRT) for Low and Intermediate Risk Prostate Cancer” in *Radiation Oncology*, 2017 Jan;12:14.

► **Jill Whitall, PhD**, Professor and Director of the PhD Program, Department of Physical Therapy & Rehabilitation Science, was among the co-authors on “Tele-health, Wearable Sensors and the Internet. Will They Improve Stroke Outcomes Through Increased Intensity of Therapy, Motivation and Adherence to Rehabilitation Programs?” in *Journal of Neurologic Physical Therapy*, 2017 Jan 27 [ePrint only].



Jill Whitall, PhD

► **Emerson Wickwire, PhD, ABPP, CBSM, FAASM**, Assistant Professor, Departments of Psychiatry and Medicine was among the co-authors on “Value-based Sleep in the Workplace” in *Sleep*, 2016 Oct 1;39(10):1767-1768. He also was a co-author on “Shift Work and Shift Work Sleep Disorder: Clinical and Organizational Perspectives” in *Chest*, 2016 Dec 21 [Epub ahead of print].



Emerson Wickwire, PhD, ABPP, CBSM, FAASM

► **L. Susan Wieland, PhD**, Assistant Professor of Family & Community Medicine and Field



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Publications *continued*

Coordinator of the Cochrane CAM Field, Center for Integrative Medicine; **Chris D'Adamo, PhD**, Assistant Professor of Family & Community Medicine and Epidemiology & Public Health, and Director of Research, Center for Integrative Medicine; and **Brian Berman, MD**, Professor of Family & Community Medicine and Director, Center for Integrative Medicine, were among the co-authors on “Yoga Treatment for Chronic Non-specific Low Back Pain,” a Cochrane systematic review published in January 2017. Dr. Wieland was the lead author on this publication. The three of them, along with **Claudia Witt, MD, MBA**, Professor of Family & Community Medicine, and research faculty, Center for Integrative Medicine, were among the co-authors on “Rating of Included Trials on the Efficacy-Effectiveness Spectrum (RITES): Development of a New Tool For Systematic Reviews” in *Journal of Clinical Epidemiology*, 2017 Feb 7 [Epub ahead of print]. Dr. Weiland was also among the co-authors on “Acupuncture for Acute Hordeolum,” a systematic review published in the *Cochrane Database of Systematic Reviews* on February 9.



Michael Winters, MD

► **Michael Winters, MD**, Associate Professor, Department of Emergency Medicine, was a guest editor for the February issue of *Emergency Medicine Clinics of North America*, on the topic of severe sepsis care in the emergency department. In addition to co-editing the issue and writing its introduction, Dr. Winters co-authored “Fluid Resuscitation in Severe Sepsis.” Two other University of Maryland faculty members contributed articles to this issue: **Jerrilyn Jones, MD, MPH**, Assistant Professor, Department of Emergency Medicine, co-authored “Prehospital Sepsis Care,” and **Emily Heil, PharmD**, Assistant

Professor, University of Maryland School of Pharmacy, co-authored “Appropriate Antibiotic Therapy.” **Amal Mattu, MD**, Professor, Department of Emergency Medicine, remains the consulting editor for this journal and wrote the foreword to this issue.

► **Michael Witting, MD, MS**, Associate Professor, and **Siamak Moayed, MD**, Assistant



Michael Witting, MD, MS

Professor, both from the Department of Emergency Medicine, with **Kathy Dunning, BS**, a student at the University of Maryland School of Medicine, and colleagues from MidMichigan Medical Center and Mercy Medical Center, co-authored “Power Injection Through Ultrasound-Guided IV Lines: Safety and Efficacy Under an Institutional Policy” in *The Journal of Emergency Medicine*, 2017 Jan;52:16-22.



Jean Yared, MD

► **Jean Yared, MD**, Assistant Professor, Department of Medicine, was the senior author on “Unexpected Babesiosis in a Patient with Worsening Anemia After Allogeneic Hematopoietic Stem Cell Transplantation” in *Blood*, 2016 Aug 18;128(7):1019. He was also among the co-authors on “Allogeneic Transplantation for Relapsed Waldenström Macroglobulinemia and Lymphoplasmacytic Lymphoma” in *Biology of Blood and Marrow Transplantation*, 2017 Jan;23(1):60-66, and “Allogeneic Hematopoietic Cell Transplantation

for Aggressive NK-cell Leukemia- A CIBMTR Analysis” in *Biology of Blood and Marrow Transplantation*, 2017 Feb 1 [Epub ahead of print].

► **Laura Yerges-Armstrong, PhD**, Assistant Professor of Medicine; **Joshua Lewis, PhD**, Assistant Professor of Medicine; **Richard Horenstein, MD** Assistant Professor of Medicine; **Jeffrey O’Connell, PhD**, Associate Professor of Medicine; and **Braxton Mitchell, MPH, PhD**, Professor of Medicine and Epidemiology, all from the Program for Pharmacogenomics and Genomic Medicine, were among the co-authors on “Prospective Evaluation of Genetic Variation in Platelet Endothelial Aggregation Receptor 1 Reveals Aspirin-Dependent Effects on Platelet Aggregation Pathways” in *Clinical and Translational Science*, 2017 January 11 [Epub ahead of print]. Dr. Yerges-Armstrong, **Carole Sztalryd, PhD**; Associate Professor of Medicine; **Norann Zaghoul, PhD**, Associate Professor of Medicine; **Alan Shuldiner, MD**, the John L. Whitehurst Professor of Medicine, Director, all from the Program for Pharmacogenomics and Genomic Medicine, were among the co-authors on “TM6SF2 rs58542926 Impacts Lipid Processing in Liver and Small Intestine” in *Hepatology*, 2016 Dec 27 [Epub ahead of print].



Laura Yerges-Armstrong, PhD

Events, Lectures & Workshops

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



Ashraf Badros, MD, ChB

► **Ashraf Badros, MB, ChB**, Professor of Medicine, Marlene and Stewart Greenebaum Comprehensive Cancer Center, presented results of his investigator-initiated clinical trial at the 58th Annual American Society of Hematology Meeting, held in San Diego, CA, in December 2016. His talk was entitled “Pembrolizumab in Combination with Pomalidomide and Dexamethasone for Relapsed/Refractory Multiple Myeloma.”

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, delivered two oral presentations “Quantification of Myocardial Blood Flow: Nuclear Approaches,” and “New Approaches to Imaging Myocardial Inflammation—Beyond Sarcoidosis,” and moderated a session on “Role of Nuclear and Multimodality Imaging in Cardiac Disease” at the Society of Nuclear Medicine and Molecular Imaging Mid-Winter Scientific Sessions, which were held in Phoenix, AZ, January 20–22.



Alan Faden, MD

► **Alan Faden, MD**, the David S. Brown Professor in Trauma, Department of Anesthesiology, and Director of the Shock, Trauma & Anesthesiology Research (STAR) Center, recently presented “Chronic Neurodegeneration and Associated Neuroinflammation Following Brain or Spinal Cord Injury: New Therapeutic Targets” at the University of Melbourne, University of Tasmania, Auckland University and Auckland University of Technology in Australia.

► **Laundette Jones, PhD**, Assistant Professor, Department of Epidemiology & Public Health, presented “New Insights Into the Hormonal Impact on BRCA1 Mutant Mammary Tumorigenesis” at the Dana Farber Cancer Institute Seminars in Oncology Series in Boston on October 4, 2016.

► **Judy LaKind, PhD**, Adjunct Associate Professor, Department of Epidemiology &



Judy LaKind, PhD

Public Health, gave a seminar entitled “Quality Matters in Environmental Epidemiology: The Exposure Data We Collect Versus the Data We Need” at University of Maryland School of Medicine Grand Rounds on November 17, 2016. Dr. LaKind was also an invited speaker at the Public Forum on BPA-Free Linings “Identifying and Evaluating Alternatives: The Case of BPA-Free Can Linings,” held at UC Berkeley in Berkeley, CA, on November 4, 2016. The Berkeley Center for Green Chemistry, with sponsors CalEPA, DTSC, OEHHA, and federal partners, hosted the one-day symposium on alternatives to BPA linings in cans.



Jennie Law, MD

► **Jennie Law, MD**, Assistant Professor, Department of Medicine, was selected as a participant in the inaugural American Society of Hematology Medical Educators Institute. Her project focused on education in the assessment and management of sickle cell anemia.

► **Walesia Robinson, MD**, Clinical Assistant Professor, Department

of Emergency Medicine, presented “Emergency Physicians’ Documentation of Care for Transferred Patients with Aortic Dissections,” and **Anne Walker, MD, PGY2**, Department of Emergency Medicine, presented “Hemodynamic Management of Patients with Aortic Dissection in Emergency Departments Prior to Transfer,” both at the 46th Critical Care Congress, which was sponsored by the Society of Critical Care Medicine and held in Honolulu in January.



Walesia Robinson, MD



Anne Walker, MD

Community Service

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



Mona Kaleem, MD

► **Mona Kaleem, MD**, Assistant Professor, and **Laura Andrews, MD**, PGY-3, both from the Department of Ophthalmology and Visual Sciences, were recently awarded a \$28,000 grant from The Abell Foundation for “Examining the Burden of Ophthalmic Disease in the Underserved in Baltimore.” The goals of this project are to improve access to vision care in Baltimore City and measure the incidence and prevalence of ophthalmic disease among people experiencing homelessness.

According to Baltimore City officials, approximately 3,000 Baltimoreans experience homelessness on any given night.

People experiencing homelessness and others without access to adequate health care suffer greater morbidity and mortality than their housed peers. In fact, rates of vision impairment among these populations range from 25-28%. Vision problems in particular can perpetuate the cycle of poverty, as good vision is important in attaining employment opportunities, enrolling in educational programs, interacting socially and functioning independently.

The project will take place at Health Care for the Homeless in downtown

Baltimore. Each week, eight Health Care for the Homeless clients will receive a free eye exam performed by ophthalmology residents from the University of Maryland and Sinai Hospital. Free eyeglasses will be provided by the Maryland Society for Sight. Those in need of follow-up care, including medical therapy or surgical intervention, will be entered into a charity care program to cover the cost of further services at the University of Maryland Medical Center Midtown Campus or Sinai Hospital.

“Providing vision services and glasses onsite is so important to the people we serve,” says Health Care for the Homeless Chief Health Officer Nilesh Kalyanaraman. “They often struggle to see and navigate their environments, and providing with something as simple as glasses is transformative for them. This project will help us better serve our population and more formally assess the impact of vision problems in their day to day lives.”

Funding provided by the grant will be used to purchase examination equipment and offset the cost of transportation for patients to follow-up appointments.



Appointments

We applaud our colleagues on their recent appointments!



Mangla Gulati, MD,
FACP, SFHM, CPPS

► **Mangla Gulati, MD, FACP, SFHM, CPPS**, Assistant Professor, Department of Medicine, has been elected as Governor of the American College of Physicians, Maryland Chapter. She will serve as the Governor-elect from 2017–2018 and Governor from 2018–2022.

► **Judy LaKind, PhD**, Adjunct Associate Professor, Department of Epidemiology & Public Health, was appointed President of the International Society of Exposure Science (ISES). The Society has a mission to promote, protect, and enhance the role of exposure science in diverse fields and professional disciplines across academia, government, industry, and policy makers. The expertise in ISES is interdisciplinary

and draws upon a broad array of disciplines, including exposure assessment; chemistry; biochemistry; risk assessment; biostatistics; physiology; toxicology; epidemiology; ecology; environmental fate, transport, and transformation; and environmental engineering.

► **Elizabeth Phillips, MD, MA**, Clinical Instructor, Department of Emergency Medicine, was appointed chair of the Committee on Ethics and Judicial Affairs for MedChi (The Maryland State Medical Society) in January. This committee considers questions of medical ethics, especially in relation to social policy issues, interprofessional relations, hospital relations, confidentiality, advertising, communications with the media, fees and charges, record practice matters and professional rights and responsibilities.

Honors & Awards

Congratulations to the following who have received honors!

► **Wan-wen Liao**, PhD Candidate, Department of Physical Therapy & Rehabilitation Science, was the recipient of the Graduate Student Association Student Research Award from The Graduate Student Association (GSA) in the Graduate School at the University of Maryland, Baltimore. The topic of her study was “Tailoring Non-Invasive Brain Stimulation to Enhance Bimanual Arm Coordination in Individuals with Chronic Stroke.”



Rodney Taylor, MD, MPH

► **Ada Offurum, MD**, Assistant Professor, Department of Medicine, has been honored with the Outstanding Hospitalist of the Year award by the American College of Physicians, Maryland Chapter for 2017. This award is given to honor the contributions made by a hospitalist member of the Maryland chapter. It is to recognize the significant achievements and contributions in the area of hospitalist medicine by a member of the ACP, and his or her skills and passion for serving as a role model for this specialty and the our general medical community here in Maryland. Dr. Offurum was formally honored at the Maryland Chapter Meeting in February.

► **Rodney Taylor, MD, MPH**, Associate Professor,

Department of Otolaryngology-Head and Neck Surgery, and Associate Chair of Research, University of Maryland School of Medicine, has been elected to the Alpha Omega Alpha Honor society. The Alpha Omega Alpha Honor Medical Society (AΩA) at the University of Maryland School of Medicine chose Dr. Taylor from among his peers based on his high academic achievement and demonstration of leadership, professionalism, research, teaching, and service.

► **Ronn Wade**, Director of the Anatomical Services Division, has been chosen as the recipient of the R. Benton Adkins Jr. Distinguished Service Award for 2017 from the American Association of Clinical Anatomists (AACA). This award was created to honor the memory of R. Benton Adkins, Jr. MD, one of the founding members of the AACA, who worked tirelessly to promote the Association and its aims while serving both on and off the Council. This award is not meant to be given out annually but only when there is an individual the Council and/or general membership (via nomination) feel someone is deserving of the award.



Ronald Wade

Research Communications Network

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 here) that you would like to see in the Buzz to the appropriate person within your department, program, center or office.

Anatomy & Neurobiology:
Leslie-Ann Fitzpatrick
Anesthesiology: Candy DiCarlo
Biochemistry & Molecular Biology: Qun Zou
Dermatology: Betsy Satosky
Diagnostic Radiology & Nuclear Medicine:
Brigitte Pocta
Emergency Medicine:
Linda Kesselring
Epidemiology & Preventive Medicine: Yimei Wu
Family & Community Medicine: Karen Webster

Medical & Research Technology:
Cynthia Stambach
Medicine: Molly Lutz
Microbiology & Immunology:
Angelique Fortson
Neurology: Penelope Birkhead
Neurosurgery: Mari Jo Pohlner
Obstetrics, Gynecology & Reproductive Sciences:
Robin Kissinger
Ophthalmology: Amy Kopec
Orthopaedics: Dori Kelly
Otorhinolaryngology:
Zubair Ahmed

Pathology: Rob Christenson
Pediatrics: Denise Hansen
Pharmacology: Stacey Lukasik
Physical Therapy & Rehabilitation Science:
Andrew Horn
Physiology: Ken Fahnestock
Psychiatry: Lisa Cleary
Radiation Oncology:
Jill Rosenberg
Surgery: Michele Mehrling
Program in Comparative Medicine: Deborah Sanchez

Program for Personalized & Genomic Medicine:
Ruth Cosentino

Program in Neuroscience:
Tom McHugh

Program in Oncology:
Robert Mitchell

Program in Trauma:
Betsy Burcham

Program in Health Disparities & Population Health: TBD

Center for Biomedical Engineering and Technology:
Pamela B. Wright

Center for Integrative Medicine: Rebekah Owens

Center for Research on Aging:
TBD

Center for Shock, Trauma and Anesthesiology Research (STAR-ORC): Gabriela Felton

Center for Stem Cell Biology & Regenerative Medicine
Evets Morgan

Center for Vaccine Development: Staci Eddington

Center for Vascular & Inflammatory Diseases:
Yan Sun

Institute for Genome Sciences:
Riham Keryakos

Institute for Global Health:
Katherine Frankel

Institute of Human Virology:
Nora Grannell

MD/PhD Program: Jane Bacon

Office of Admissions:
Mickey Foxwell

Office of Development:
Rebecca Herman

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Robertha Simpson

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Caelie Haines

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Office of Research & Graduate Studies: Terry Rogers

Office of Student Affairs:
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Jean Marie Roth

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