

what's the buzz?

Self-Reported News from the School of Medicine Community

HONORS & AWARDS



Congratulations to the following who have received honors!

Dean E Albert Reece and SOM Board Member Robert Fischell Inducted into National Academy of Inventors



► **Dean E. Albert Reece, MD, PhD, MBA**, Vice President of Medical Affairs at the University of Maryland and the John Z. and Akiko Bowers Distinguished Professor and Dean at UM SOM and **Robert E. Fischell, ScD**, a member of the University of Maryland School of Medicine (UM SOM) Board of Visitors, were recently honored at the induction ceremony of the 2015 Fellows of the National Academy of Inventors, held during the NAI's fifth annual conference in Washington, DC, April 14–15.

At the April 15 ceremony at the United States Patent and Trademark Office (USPTO), U.S. Commissioner for Patents Andrew H. Hirshfeld and Paul R. Sanberg, President of the NAI and Charter Fellow, presented the 2015 class of Fellows with a trophy, medal and rosette pin honoring their contributions as academic inventors. Of the 168 innovators elected to the 2015 class, more than 130 were in attendance.

"I am personally inspired and grateful to be amongst this distinguished group and join in recognizing you today," said Hirshfeld during his keynote address. "You have truly enhanced the quality of life for our nation and we thank you for your innovative contributions. As inventive researchers who are leaders in all fields of academia, we are eager to learn from your expertise and collaborate on future educational initiatives."

The NAI Fellows Program has 582 Fellows worldwide representing more than 190 prestigious universities and governmental and non-profit research institutions. Collectively, the Fellows hold more than 20,000 issued U.S. patents. NAI Fellows now include more than 80 presidents and senior leaders of research universities and non-profit research institutes, 310 members of the three branches of the National Academy of Sciences, 27 Nobel Laureates, 27 inductees of the National Inventors Hall of Fame, 36 recipients of the U.S. National Medal of Technology and Innovation and U.S. National Medal of Science, 14 Lemelson-MIT prize recipients, 170 AAAS Fellows, and 98 IEEE Fellows, among other awards and distinctions.

The Conference and Fellows Programs are available at Academyofinventors.org/conference/program.asp. A full listing of the Fellows is at Academyofinventors.org/search-fellows.asp. Invited papers from the conference will be published in *Technology and Innovation—Journal of the National Academy of Inventors*.

The National Academy of Inventors is a 501(c)(3) non-profit member organization comprising U.S. and international universities, and governmental and non-profit research institutions, with over 3,000 individual inventor members and Fellows spanning more than 200 institutions, and growing rapidly. It was founded in 2010 to recognize and encourage inventors with patents issued from the U.S. Patent and Trademark Office, enhance the visibility of academic technology and innovation, encourage the disclosure of intellectual property, educate and mentor innovative students, and translate the inventions of its members to benefit society. (Copy courtesy of Lauren Maradei, National Academy of Inventors)



HONORS & AWARDS *continued*



Sandy McCombe Waller, PT, PhD, MS, NCS

► **Sandy McCombe Waller PT, PhD, MS, NCS**, in collaboration with **Nilanjan Banerjee, PhD**, Assistant Professor, Department of Computer Science and Electrical Engineering, University of Maryland, Baltimore County (UMBC), were recognized for their work with graduate students on wearable technology for individuals with quadriplegia. The project has been selected by a UMBC-campus committee to be featured in a major initiative to increase awareness of the breadth and depth of UMBC's and UMB's research enterprise. The features will start in fall 2016 and will be distributed online via email, social media, websites, and promoted through print advertisements, as well. A brief web presentation of their work on Assistive Care Devices, developed by Microsoft Research, can be viewed at <http://www.csee.umbc.edu/~nilanb/videos.html>.

► **Kerri Thom, MD**, Associate Professor, Department of Epidemiology & Public Health, was elected to the Alpha Omega Alpha Honor Medical Society, recognizing her excellence as a teacher and clinician.

► **Zeljko Vujaskovic, MD, PhD**, Professor, Department of Radiation Oncology, received the 2016 J. Eugene Robinson Award at The Society for Thermal Medicine's annual meeting in April in New Orleans. The award is given each year to an investigator who has made outstanding contributions to hyperthermic oncology over his or her career. The award acknowledges the work of the late **J. Eugene Robinson, MD**, who was a pioneer in hyperthermic research and a faculty member at the University of Maryland School of Medicine. Dr. Robinson joined the School of Medicine in 1961 as an assistant professor in the Department of Radiology, and, in 1964, established a new section for radiation physics and biology.



Zeljko Vujaskovic, MD, PhD

APPOINTMENTS



We applaud our colleagues on their recent appointments!

► **Maureen Black, PhD**, the John A. Scholl, MD, and Mary Louise Scholl, MD, Professor in Pediatrics, Department of Pediatrics, was appointed to the External Scientific Panel of the National Institutes of Health (NIH) Science of Behavior Change (SOBC) Common Fund Program. The SOBC Program aims to improve the understanding of behavior change across a broad range of health-related behaviors by integrating basic and translational science across multiple disciplines.



Maureen Black, PhD

COMMUNITY



SERVICE

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

► **Jeffrey Wolf, MD, FACA**, Associate Professor, and **Rodney Taylor, MD, MSPH, FACS**, Associate Professor, both from the Department of Otorhinolaryngology-Head and Neck Surgery, led a team from the University of Maryland Medical Center that traveled to Fiji in February to provide free surgical services for patients

in that area with head and neck disorders. They saw over 150 patients and performed 15 surgeries. This voluntary mission trip was organized by "The Mission at Natuvu Creek" organization. The team had a bit of excitement at the end of their trip when a deadly cyclone hit as they were about to leave, but, after riding the storm out, all were eventually able to make it home safely.



Rodney Taylor, MD, MSPH, FACS



Jeffrey Wolf, MD, FACA

NEW FACULTY



We welcome our new faculty!



Shahed Badiyan, MD

► **Shahed Badiyan, MD**, joined the Department of Radiation Oncology as an Assistant Professor in August 2015, after completing a year-long proton therapy Fellowship at the premier Paul Scherrer Institute (PSI) in Switzerland. Dr. Badiyan's primary focus is lung, breast and gynecological cancers. He works primarily with the Maryland Proton Treatment Center (MPTC) team to develop a robust, integrated clinical and research program at the MPTC and for our Greenebaum Cancer Center. Dr. Badiyan is experienced in the latest radiation modalities,

including intensity modulated radiation therapy (IMRT), image guided radiation therapy (IGRT), stereotactic body radiation therapy (SBRT), and Brachytherapy. Dr. Badiyan received his medical degree from the University of Texas Southwestern Medical School in Dallas, TX, in 2009, and completed his internship at John Peter Smith Hospital in Fort Worth, TX, in 2010. Dr. Badiyan completed his Radiation Oncology residency training at Washington University, Mallinckrodt Institute of Radiology, at Barnes Jewish Hospital in St. Louis, MO, before starting his proton therapy fellowship at the PSI. Dr. Badiyan has been active in research endeavors during his training years. His clinical and research efforts have yielded over 12 publications and 13 national presentations.



Jack Hong, MD, FACRO

► **Jack Hong, MD, FACRO**, was appointed Assistant Professor in the Department of Radiation Oncology, as well as Medical Director of the Radiation Oncology program at the Patricia D. and M. Scot Kaufman Cancer Center at Upper Chesapeake Medical Center, in November 2015. Dr. Hong will continue the development of a robust clinical program at the radiation therapy center, with state-of-the-art technologic offerings inclusive of brachytherapy and stereotactic radiation services, and will refine established

processes to ensure the Radiation Oncology program at the Kaufman Cancer Center remains fully integrated within the Upper Chesapeake Hospital oncology program and the University of Maryland Greenebaum Cancer Center. Working in collaboration with Clinical Trial Research leadership, Dr. Hong will promote and grow existing radiation oncology-based clinical trials and research protocols. Dr. Hong is experienced in the latest radiation modalities, including intensity modulated radiation therapy (IMRT), image guided radiation therapy (IGRT), and stereotactic body radiation therapy (SBRT). In addition, he is recognized as a regional expert in the use of brachytherapy. Dr. Hong is a graduate of the University of Virginia and received his medical degree at Eastern Virginia Medical School in 1988. He completed his Radiation Oncology residency training at the University of Maryland Department of Radiation Oncology, where he served as Chief Resident. He then completed a one-year American Cancer Society (ACS) Fellowship at the University of Maryland. Since 1996, Dr. Hong has served as Medical Director of Harbor View Radiation Oncology Center at MedStar Harbor Hospital in Baltimore.

► **Adeel Kaiser, MD**, joined the Department of Radiation Oncology as an Assistant Professor on June 2015. He is primarily based at Central Maryland Radiation Oncology Center (CMRO), located in Howard County, where he joined **Drs. Sally Cheston, Deborah Frassica, and Elizabeth Nichols**, but also works ~1.5 days per week downtown at UMMC and the MPTC, where he is involved in the liver-directed therapy program. Dr. Kaiser's primary clinical focus at CMRO is on Genitourinary/Prostate and Head & Neck disease sites. He also oversees the Stereotactic Based Radiation Therapy (SBRT) program, and has assumed a lead role in clinical trial development in collaboration with both departmental and community practice researchers. One area of primary investigation is the integration of "metabolic therapy/nutritional strategies" to complement conventional cancer therapies. Dr. Kaiser is experienced in the latest radiation modalities, including intensity modulated radiation therapy (IMRT), image guided radiation therapy (IGRT), stereotactic body radiation therapy (SBRT), and proton therapy. He has over six years of extensive clinical and research experience in both academic and private practice settings. Dr. Kaiser received his medical degree from the Johns Hopkins University School of Medicine and completed his internship

NEW FACULTY *continued*

at the University of Chicago. He then went on to complete his training at the University of California Irvine Integrated Radiation Oncology Program, where he served as Chief Resident. Dr. Kaiser began his career in the Department of Radiation Medicine at Loma Linda University in California before going on to serve as the Medical Director of the Memorial Hermann Northeast Cancer Center in Texas.



Robert Malyapa, MD, PhD

► **Robert Malyapa, MD, PhD**, joined the Department of Radiation Oncology as a Professor in 2015 and is primarily based at the MPTC. Dr. Malyapa was previously Senior Radiation Oncologist and Physician-in-Charge of the Pediatric Proton Service at the Center for Proton Therapy, Paul Scherrer Institute (PSI) in Villigen, Switzerland. He is internationally recognized for his work in proton therapy. Dr. Malyapa's primary focus is in CNS (inclusive of spine and base-of-skull/paranasal sinus tumors), Pediatrics and Sarcoma, and has a secondary focus on head and neck.

In his new position, Dr. Malyapa works with our MPTC team to develop a robust, integrated clinical and research program at the proton center and our Greenebaum Cancer Center. Dr. Malyapa has over 9 years of extensive clinical and research experience with proton therapy patients, and prior to joining the PSI was faculty at the University of Florida Proton Therapy Institute (UFPTI), where he served as Principal investigator on proton therapy protocols and lead physician for tumors of the nasal cavity and paranasal sinuses, nasopharynx, skin with intracranial perineural invasion, oropharynx, chordomas, and chondrosarcomas of the base of the skull and spine. Dr. Malyapa received his MBBS degree from the University of Madras in Pondicherry, India and his postgraduate medical degree, MD, from the All India Institute of Medical Sciences in New Delhi, India. Dr. Malyapa then received a PhD in Radiation Biology from the Hiroshima University Research Institute for Nuclear Medicine and Biology in Japan. He completed his Radiation Oncology residency training at Washington University,

Mallinckrodt Institute of Radiology, Barnes-Jewish Hospital in St. Louis, MO, before becoming faculty at the UFPTI in 2005. Dr. Malyapa's clinical and research efforts have yielded over 60 publications, two book chapters, and 80 national/international presentations, including participation in educational workshops/courses on proton therapy.



Arezoo Modiri, PhD

► **Arezoo Modiri, PhD**, joined the Department of Radiation Oncology as an Instructor in January. Dr. Modiri received her PhD in Electrical Engineering from the University of Texas at Dallas in August 2013, focusing on Microwave Imaging for Breast Cancer Detection. She completed her postdoctoral training at the University of Texas Southwestern Medical Center in December 2015. Her postdoctoral research was focused on 4D photon therapy treatment planning for lung cancer, where she applied a swarm-intelligence-based algorithm to solve the optimization problem.

► **Amit Sawant, PhD**, joined the Department of Radiation Oncology as an Associate Professor in January 2016. Dr. Sawant was previously a tenure-track Assistant Professor at the UT Southwestern Medical Center, Dallas, TX. Dr. Sawant's position as a physicist-scientist is a joint position between the Division of Translational Radiation Sciences and the Division of Medical Physics, with a focus on developing a robust physics and imaging-driven research program that enables the eventual translation of pre-clinical findings into clinical imaging and therapeutics. Dr. Sawant has authored or co-authored over 35 peer-reviewed publications in the area of image-guided radiotherapy. He has served as Principal Investigator on several federal and industry-sponsored research grants, including two active NIH R01 awards.



Amit Sawant, PhD



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



Tom McHugh, MS

► **Tom McHugh, MS**, Program Administrator, Center for Innovative Biomedical Resources (CIBR), Graduate Program in Life Sciences (GPILS), and the Office of Postdoctoral Scholars (OPS), co-presented the workshop “Developing an Effective Advocacy Strategy for the Postdoc Community: Tools for Involvement at the Local and National Level” on March 6 at the National Postdoc Association’s (NPA) annual meeting in Grand Rapids Michigan. Mr. McHugh serves as the co-chair of the NPA’s Advocacy Committee.

► **Elizabeth Powell, PhD**, Associate Professor, Department of Anatomy & Neurobiology, was an invited speaker for the Interneurons in Developmental Malformations session at the Society for Neuroscience Neurobiology of Disease Workshop in Chicago, where she presented “Human Brain Malformation: From Genetics to Therapeutics” on October 16, 2015.

► **Tatiana Sanses, MD**, Assistant Professor, Department of Obstetrics, Gynecology & Reproductive Sciences, and **Minhaj Siddiqui, MD**, Assistant Professor, Department of Surgery, were invited to present their robotic project “The Maryland TERPS” (Training, Education for Robotic Performance with Simulation at the University of Maryland Medical System) at the Robotic Research Retreat in San Jose, CA, on January 7.



Emerson Wickwire, PhD,
ABPP, CBSM, FAASM

► **Emerson Wickwire, PhD, ABPP, CBSM, FAASM**, Assistant Professor, Departments of Psychiatry and Medicine, served on the faculty of the National Sleep Medicine Trends course, held in Scottsdale, AZ, from February 12–14. His presentation “Sleep and Corporate Health” was featured in the opening “Hot Topics” session.

► **Susan Wolfsthal, MD**, the Celeste Lauve Woodward, MD, Professor in Humanism and Ethical Medical Practice, and Associate Chair of Education, Department of Medicine, is participating in iCOMPARE, a national randomized trial of internal medicine residency programs examining the impact of duty hours on patient safety and the quality of education.

Being randomized to the FLEX arm, interns are staying overnight in critical-care units to deliver continuous care to their patients, while other resident schedules remain unchanged. The results from iCOMPARE will be available in another year. **Stephen Kavic, MD**, Associate Professor and Residency Program Director, Department of Surgery, recently participated in a two-year national trial, the FIRST Trial, studying the same issues in surgery residency programs. Those results were published in *The New England Journal of Medicine* and demonstrated no impact of duty hours on patient or resident outcomes.



Susan Wolfsthal, MD



Amal Mattu, MD

► Eight members of the Department of Emergency Medicine faculty traveled to Steamboat Springs, CO, in late February, as invited speakers at the 2016 Rocky Mountain Winter Conference, sponsored by the Denver Health Medical Center. **Amal Mattu, MD**, Professor, presented the keynote address, “Secrets of Success in Emergency Medicine...From *The Princess Bride*” and the lecture “PEA: A Miracle Pill for the Mostly Dead!”

The other participating faculty members and the titles of their presentations were:

- **George Willis, MD**, Assistant Professor: “The Crashing Aortic Dissection: Do’s and Don’ts”
- **Brian Browne, MD**, Professor and Chairman: “Free-Standing Emergency Departments”
- **Wendy Chang, MD**, Assistant Professor: “Status Epilepticus: Mistakes You Don’t Want to Make!”
- **Michael Winters, MD**, Associate Professor: “Running the Perfect Code” and “Cutting Edge Resuscitation...Beyond the Golden Tower”
- **Haney Mallema, MD**, Assistant Professor: “Critical Care Ultrasound: Beyond the FAST” and “More Than Morning Sickness: The Critically Ill Pregnant Patient”
- **Semhar Tewelde, MD**, Assistant Professor: “Syncope Disasters”
- **Michael Abraham, MD**, Clinical Assistant Professor: “Dazed and Confused—How to Save Every Last Neuron!”

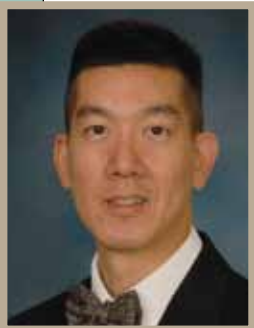
GRANTS &

CONTRACTS



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

► **Ramesh Chandra, PhD**, Research Associate, Department of Anatomy & Neurobiology, received a two-year, \$70,000, 2015 NARSAD Young Investigator Grant for “Cell Subtype Molecular Mechanisms of Mitochondria Dynamics in Depression.”



Wilbur Chen, MD, MS

► **Wilbur Chen, MD, MS**, Associate Professor of Medicine, Center for Vaccine Development and the Institute for Global Health, has been awarded a \$1,386,710 grant from PATH for “Phase 1 study of *Shigella* DB Fusion Vaccine.”

► **Warren D’Souza, PhD**, Professor, Department of Radiation Oncology, was awarded \$70,634 for “Research and Collaboration Agreement Between Varian Medical Systems, Inc., and the University of Maryland, Baltimore.”



Warren D’Souza, PhD

► **Reha Erzurumlu, PhD**, Professor, and **Elizabeth Powell, PhD**, Associate Professor, both from the Department of Anatomy & Neurobiology, received a five-year, \$2,475,313 R01 grant from the National Institutes of Neurological Disorders and Stroke (NINDS) for “Thalamocortical Circuit Defects in Developmental Brain Disorders.” The goal of the project is to define sensory thalamocortical synaptic defects in mouse models of Autism Spectrum Disorders.

► **Laura Hungerford, DVM, MPH, PhD**, Professor, Department of Epidemiology & Public Health, was awarded a 13-month, \$45,912 contract from the Zoological Society of San Diego.

► **Shaolin Liu, PhD**, Assistant Professor, Department of Anatomy & Neurobiology, received a five-year, \$1,304,750 grant from the



Reha Erzurumlu, PhD

National Institute on Deafness and other Communication Disorders for “Functional Mechanisms Underlying the Intrabulbar Associational Circuit in the Olfactory System.”



Matthew Laurens, MD, MPH

► **Matthew Laurens, MD, MPH**, Associate Professor of Pediatrics and Medicine, Center for Vaccine Development and the Institute for Global Health, received a one-year, \$78,474, grant from MIPS for “Development of Malaria Vaccine Candidate, VLPM01.”

► **Marcela Pasetti, PhD**, Professor of Pediatrics and Microbiology & Immunology, Center for Vaccine Development and the Institute for Global Health, received an extension with an increase in funding in

the amount of \$19,745 on her agreement with Immuron Ltd., for “Bovine Hyperimmune Colostrum Characterization.” Dr. Pasetti also was awarded a one-year, \$79,628 contract with Vaxart for “Norovirus (NoV) Hemagglutination Inhibition Testing (HAI) for Vaxart Phase I Clinical Trial.”



Marcela Pasetti, PhD

► **Ashutosh Sachdeva, MBBS**, Assistant Professor, Department of Medicine, received a one-year, \$25,000 unrestricted education grant from Medtronic/Covidien to support an “Interventional Pulmonology Fellowship” starting July 2016.



Simeon Taylor, MD, PhD

► **Simeon Taylor, MD, PhD**, Professor, Department of Medicine, received a three-year, \$199,972 Innovative Clinical or Translational Science Award grant from the American Diabetes Association (ADA) for “Pharmacogenomics of GLP1 Receptor Agonists: Pilot Study Investigating Nonsynonymous Variants in Two Candidate Genes (GIPR and GCGR).”



PUBLICATIONS

Hats off to those who have been published!

► **Zubair Ahmed, PhD**, Associate Professor, Departments of Otorhinolaryngology-Head and Neck Surgery, Biochemistry & Molecular Biology, and Ophthalmology & Visual Sciences, was among the co-authors on “A New Frontonasal Dysplasia Syndrome Associated with Deletion of the SIX2 Gene” in *American Journal of Medical Genetics, Part A*, 2016 Feb;170(2):487-491. Dr. Ahmed and **Saima Riazuddin, PhD**, Associate Professor, Departments of Otorhinolaryngology-Head and Neck Surgery and Biochemistry & Molecular Biology, were among the co-authors on “MAP3K1 Function is Essential for Cytoarchitecture of the Mouse Organ of Corti and Survival of Auditory Hair Cells” in *Disease Model and Mechanism*, 2015, Dec 1;8(12):1543-1553.



Saima Riazuddin, PhD

► **Shahed Badiyan, MD**, Assistant Professor, Department of Radiation Oncology, was among the co-authors on “Medically Inoperable Endometrial Cancer in Patients with a High Body Mass Index (BMI): Patterns of Failure After 3-D Image-Based High Dose Rate (HDR) Brachytherapy” in *Radiotherapy and Oncology*, 2016 Jan;118(1):167-172.



Shahed Badiyan, MD

► **Eileen Barry, PhD**, Professor of Medicine; **Marcela Pasetti, PhD**, Professor of Pediatrics; **Raphael Simon, PhD**, Assistant Professor of Medicine; **Brittany Curtis**, Research Specialist; **Christen Grassel**, Research Specialist; **Rachel Laufer**, Research Assistant; and **Khandra Sears, PhD**, Postdoctoral Fellow, all from the Center for Vaccine Development and the Institute for Global Health, were among the co-authors on “Simple Method for Purification of Enterotoxigenic *Escherichia coli fimbriae*” in *Protein Expression and Purification*, 2016 Mar;119:130-135.



Eileen Barry, PhD

► **Mona Beier, MD**, Clinical Instructor, Department of Medicine; **Jennifer Johnson, PhD, D(ABMM)**, Associate Professor, Department of Pathology; **Kerri Thom, MD**, Associate Professor, and **Anthony Harris, MD, MPH**, Professor, both from the Department of Epidemiology & Public Health, were among the co-authors, and **Surbhi Leekha, MBBS, MPH**, Assistant Professor, also from the Department of Epidemiology & Public Health, was last author on “Impact of Changes in Urine Culture Ordering Practice on Antimicrobial Utilization in Intensive Care Units at an Academic Medical Center” in *Infection Control & Hospital Epidemiology*, 2016 Apr;37(4):448-454.



Jennifer Johnson, PhD, D(ABMM)

► **Amber Beitelshees, PharmD**, Assistant Professor of Medicine, Program for Personalized and Genomic Medicine, and **Ronald Prigeon, MD**, VA Medical Center, were among the co-authors on “Pharmacodynamic Effects of Low-Dose Pioglitazone in Patients with the Metabolic Syndrome Without Diabetes Mellitus” in *Pharmacotherapy*, 2016 Mar;36(3):252-262.



Amber Beitelshees, PharmD, MPH

► **Soren Bentzen, PhD, DMSc**, Professor, Department of Epidemiology & Public Health, was last author on “Early Lesion-Specific (18)F-FDG PET Response to Chemotherapy Predicts Time to Lesion Progression in Locally Advanced Non-Small Cell Lung Cancer” in *Radiotherapy and Oncology: Journal for the European Society for Therapeutic Radiology and Oncology*, 2016 Mar;118(3):460-464. He was also among the co-authors on “Dose-Effect Relationship and Risk Factors for Vaginal Stenosis After Definitive Radio(chemo)therapy With Image-Guided Brachytherapy for Locally Advanced Cervical Cancer in the EMBRACE Study” in *Radiotherapy and Oncology: Journal for the European Society for Therapeutic Radiology and Oncology*, 2016 Jan;118(1):160-166.



Søren Bentzen, PhD, DMSc

► **Andrea Berry, MD**, Assistant Professor of Pediatrics, and **Karen Kotloff, MD**, Professor of Pediatrics, both from the Center for Vaccine Development and

PUBLICATIONS *continued*



Andrea Berry, MD

the Institute for Global Health, were among the co-authors on “Safety and Immunogenicity of Sequential Rotavirus Vaccine Schedules” in *Pediatrics*, 2016 Feb;137(2):1-10.

► **Mary Beth Bollinger, DO**, Associate Professor, Department of Pediatrics, was among the co-authors on “Mouse Sensitivity is an Independent Risk Factor for Rhinitis in Children With Asthma” in *Journal of Allergy and Clinical Immunology Practice*, 2016 Jan-Feb;4(1):82-88.



Mary Beth Bollinger, DO

► **Michael Bond, MD**, Associate Professor and Residency Program Director, Department of Emergency Medicine, was among the co-authors on “Have First-Year Emergency Medicine Residents Achieved Level 1 on Care-Based Milestones?” in *Journal of Graduate Medical Education*, 2015 Dec;7(4):589-94. The investigators surveyed 41 interns from four programs and their supervising attendings regarding the residents’ fulfillment of clinical expectations that constitute Level 1 ability (at the level of a medical school graduate). One-fourth of the study group fell short of meeting all nine care-based milestones. The findings of this study have implications for training programs in all medical specialties.



Michael Bond, MD

► **Andrea Buchwald**, Graduate Student in Epidemiology; **Lauren Cohee, MD**, Postdoctoral Fellow; and **Miriam Laufer, MD**, Associate Professor of Pediatrics, all from the Institute for Global Health, were among the co-authors on “Bed Net Use Among School-aged Children After a Universal Bed Net Campaign in Malawi” in *Malaria Journal*, 2016 Feb 29;15(1):127.



Miriam Laufer, MD, MPH

► **Elizabeth Chang**, Research Assistant; **Palak Parekh, PhD**, Postdoctoral Fellow; and **France Carrier, PhD**, Associate Professor, all from the Department of Radiation Oncology, were among the co-authors on “Heterogenous

Ribonucleoprotein A18 (hnRNP A18) Promotes Tumor Growth By Increasing Protein Translation of Selected Transcripts in Cancer Cells” in *Oncotarget*, 2016 Jan 25 [Epub ahead of print].



Karen Kotloff, MD

► **Wilbur Chen, MD, MS**, Associate Professor of Medicine, and **Karen Kotloff, MD**, Professor of Pediatrics, both from the Center for Vaccine Development and the Institute for Global Health, were among the co-authors on “Persistence of Antibody to Influenza A/H5N1 Vaccine Virus: Impact of AS03 Adjuvant” in *Clinical and Vaccine Immunology*, 2015 11;23(1):73-77.

► **Matthew Christian, MD**, Resident Physician; **W. Andrew Eglseder, MD**, Professor; and **Raymond Pensy, MD**, Assistant Professor, all from the Department of Orthopaedics, were among the co-authors on “Sustentaculum Lunatum: Appreciation of the Palmar Lunate Facet in Management of Complex Intra-Articular Fractures of the Distal Radius” in *American Journal of Orthopedics*, 2015 Sep;44(9):E303-307. Dr. Christian and Pensy were also among the co-authors on “Septic Arthritis and Osteomyelitis Caused by *Pasteurella multocida*” in *American Journal of Orthopedics*, 2015;44(7):E239-241.



Raymond Pensy, MD



Michael Chuong, MD

► **Michael Chuong MD**, Assistant Professor, Department of Radiation Oncology, was among the co-authors on “Histopathologic Tumor Response After Induction Chemotherapy and Stereotactic Body Radiation Therapy for Borderline Resectable Pancreatic Cancer” in *Journal of Gastrointestinal Oncology*, 2016 Apr;7(2):221-227.

► **Alan Cross, MD**, Professor of Medicine, Center for Vaccine Development and Institute for Global Health, was the author of the invited editorial “Endotoxin: Back to the Future” in *Critical Care Medicine*, 2016 Feb;44(2):450-451.



Alan Cross, MD

PUBLICATIONS *continued*

► **Brittany Curtis**, Research Specialist; **Christen Grassel**, Research Specialist; **Rachel Laufer**, Research Assistant; **Khandra Sears**, Postdoctoral Fellow; **Marcela Pasetti, PhD**, Professor of Pediatrics; **Eileen Barry, PhD**, Professor of Medicine; and **Raphael Simon, PhD**, Assistant Professor of Medicine, all from the Center for Vaccine Development and the Institute for Global Health, were among the co-authors on “Simple Method For Purification of Enterotoxigenic *Escherichia coli* Fimbriae” in *Protein Expression and Purification*, 2016 Mar;119:130-5.



Marcela Pasetti, PhD

► **Chris D’Adamo, PhD**, Assistant Professor of Family & Community Medicine and Director of Research, Center for Integrative Medicine, was lead author on “A Common Variant in the SETD7 Gene Predicts Serum Lycopene Concentrations” in *Nutrients*, 2016 Feb 6;8(2). Co-authors included **Kathleen Ryan, MS**, Bioinformatics Analyst; **Nanette Steinle, MD**, Associate Professor; **Braxton Mitchell, PhD**, Professor; **Alan Shuldiner, MD**, the John L. Whitehurst Professor of Medicine and Director of the Program for Personalized and Genomic Medicine, and **Patrick McArdle, PhD**, Associate Professor, all from the Department of Medicine and the Program for Personalized and Genomic Medicine.



Chris D’Adamo, PhD

► **Coleen Damcott, PhD**, Associate Professor of Medicine; **Jeffrey O’Connell, PhD**, Associate Professor of Medicine; **Braxton Mitchell, PhD**, Professor of Medicine; and **Alan Shuldiner, MD**, the John L. Whitehurst Professor of Medicine, all from the Program for Personalized and Genomic Medicine, which Dr. Shuldiner directs, were among the co-authors on “Gene Expression Differences Between Offspring of Long-Lived Individuals and Controls in Candidate Longevity Regions: Evidence for PAPSS2 as a Longevity Gene” in *Journals of Gerontology Series A, Biological Sciences and Medical Sciences*, 2016 Feb 19 [Epub ahead of print].



Coleen Damcott, PhD

► **Antoine Dara**, Graduate Student in the Molecular Microbiology & Immunology program; **Jason Bailey, PhD**, Postdoctoral Fellow; and **Christopher Plowe, MD, MPH, FASTMH**, Professor of Medicine, all from the Institute for Global Health, which Dr. Plowe directs, were among the co-authors on “Expression of Complement and Toll-like Receptor Pathway Genes is Associated with Malaria Severity in Mali: A Pilot Case Control Study” in *Malaria Journal*, 2016 Mar 9;15(1):150.



Christopher Plowe, MD, MPH, FASTMH

► **Ashley Devonshire, MD, MPH** (Class of 2013, who was a medical student when this paper was being written); **Erin Hager, PhD**, Assistant Professor, Departments of Pediatrics and Epidemiology & Public Health; **Maureen Black, PhD**, the John



Soren Snitker, MD, PhD

A. Scholl, MD, and Mary Louise Scholl, MD, Professor Department of Pediatrics, and **Soren Snitker, MD, PhD**, Associate Professor, Department of Medicine, were among the co-authors on “Elevated Blood Pressure in Adolescent Girls: Correlation to Body Size and Composition” in *BMC Public Health*, 2016 Jan 26;16(1):78.

► **Tejan Diwanji, MD**, Resident, and **Michael Chuong, MD**, Assistant Professor, both from the Department of Radiation Oncology, and **Fred Moeslein, MD, PhD**, Assistant Professor, Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Dramatic Response of a Large, 10-cm Hepatocellular Carcinoma to Monotherapy with yttrium-90-based Selective Internal Radiation Therapy” in *Cureus*, 2015 Dec;7(12):e425.

► **Alexander Engelman, MD**, and **Jason Molitoris, MD**, both Residents, and **Michael Chuong, MD**, Assistant Professor, all from the Department of Radiation Oncology, were among the co-authors on “Prognostic Significance of Neutrophil-Lymphocyte Ratio and Platelet-Lymphocyte Ratio in Patients Treated with Selective Internal Radiation Therapy” in *Journal of Gastrointestinal Oncology*, 2016 Apr;7(2):269-277.

► **Reha Erzurumlu, PhD**, Professor, Department of Anatomy and



Reha Erzurumlu, PhD

PUBLICATIONS *continued*

Neurobiology edited a special issue of *Experimental Neurology* (2016 Jan;275, Pt 2) on “CNS Consequences of Neonatal Peripheral Injury.”

► **Aletta Frazier, MD**, Clinical Associate Professor, and **Charles White, MD**, Professor, both from the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Presence of Subpleural Pulmonary Interstitial Emphysema as an Indication of Single or Multiple Alveolar Ruptures on CT in Patients with Spontaneous Pneumomediastinum” in *Acta Radiologica*, 2016 Feb 10 [Epub ahead of print]. Dr. White was also a co-author on “Computed Tomographic Screening for Lung Cancer Trends at Leading Academic Medical Centers From 2013 to 2015” in *JAMA Oncology*, 2016 Feb 11 [Epub ahead of print].

► **Stephanie Fresnay, PhD**, Postdoctoral Fellow; **Monica McArthur, MD, PhD**, Assistant Professor of Pediatrics; **Marcelo Sztein, MD**, Professor of Pediatrics; and **Myron Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor of Medicine, all from the Center for Vaccine Development and the Institute for Global Health, and **Laurence Magder, PhD**, Professor, Department of Epidemiology & Public Health, were among the co-authors on “Salmonella Typhi-Specific Multifunctional CD8+ T Cells Play a Dominant Role in Protection From Typhoid Fever in Humans” in *Journal of Translational Medicine*, 2016 Mar 1;14(1):62.

► **Todd Gould, MD**, Associate Professor, Department of Psychiatry, and **Istvan Merchenthaler, MD, PhD, DSc**, Professor, Department of Epidemiology & Public Health, were among the co-authors on “The Bioprecursor Prodrug 10 β ,17 β -dihydroxyestra-1,4-dien-3-one Delivers 17 β -estradiol Selectively to the Female Brain” in *Science Translational Medicine*, 2015;(7)297:297ra112.

► **Jack Guralnik, MD, PhD, MPH**,



Myron Levine, MD, DTPH



Jack Guralnik, MD, PhD, MPH

Professor, Department of Epidemiology & Public Health, was among the co-authors on “Comparison of Handgrip and Leg Extension Strength in Predicting Slow Gait Speed in Older Adults” in *Journal of the American Geriatric Society*, 2016 Jan;64(1):144-150.



Erin Hager, PhD

► **Erin Hager, PhD**, Assistant Professor, Departments of Pediatrics and Epidemiology & Public Health, co-authored the commentary “Just Add Water: The Power of a Simple Intervention to Improve Student Health” in *JAMA Pediatrics*, 2016 Mar 1;170(3):199-200. It received significant media attention when released online in January, with citations in over 80 online and print media outlets, including CBS News.

► **Fnu Harshvardhan, BPT, MS, PhD**, UMANRRT, Postdoctoral Fellow, Department of Physical Therapy & Rehabilitation Science, was among the co-authors on “Musculoskeletal Effects of 2 Functional Electrical Stimulation Cycling Paradigms Conducted at Different Cadences for People With Spinal Cord Injury: A Pilot Study” in *Archives of Physical Medicine and Rehabilitation*, 2015 Dec 17 [Epub ahead of print].

► **Jon Mark Hirshon, MD, MPH, PhD**, Professor, and **Bryan Hayes, PharmD**, Clinical Associate Professor, both from the Department of Emergency Medicine; **Gordon Smith, MB, ChB, MPH**, Professor, Department of Epidemiology & Public Health; and **Wendy Klein-Schwartz, PharmD, MPH**, Professor, Department of Pharmacy Practice and Science, School of Pharmacy, were co-authors, along with their Egyptian colleagues, on “Epidemiology of Acute Poisoning in Children Presenting to the Poisoning Treatment Center at Ain Shams University in Cairo, Egypt, 2009-2013” in *Clinical Toxicology*, 2016 Jan;54(1):20-26. The 38,470 children treated at the center during the study period accounted for 44 percent of total patients seen. Poisoning in preschool children was mainly unintentional and commonly caused by nonpharmaceutical agents, whereas poisoning in adolescents was mainly intentional (self-harm). Pesticides, most commonly organophosphorus compounds and carbamates, were the agents that most often led to morbidity and mortality.

► **Chaitanya Kalavagunta, PhD**, Physics Resident, Department of Radiation



Jon Mark Hirshon, MD, MPH, PhD



Todd Gould, MD

PUBLICATIONS *continued*

Oncology, was among the co-authors on “Detection of Prostate Cancer: Quantitative Multiparametric MR Imaging Models Developed Using Registered Correlative Histopathology” in *Radiology*, 2016 Jan 29;151089 [Epub ahead of print].

► **Danya Khoujah, MBBS**, Assistant Professor, and **Amal Mattu, MD**, Professor, both from the Department of Emergency Medicine, contributed the chapter on “Ischemic Heart Disease” to the Sixth Edition of *Emergency Medicine Secrets*, published by Elsevier in February.

► **Jeffrey Kleinberger, BSc**, a MSTP student in Molecular Medicine; **Kristin Maloney, MS, MGC, CGC**, Instructor, Department of Medicine and Program for Personalized & Genomic Medicine; **Toni Pollin, MS, PhD, CGC**, Associate Professor, Departments of Medicine and Epidemiology & Public Health; and **Linda Jo Bone Jeng, MD, PhD**, Associate Professor, Departments of Medicine, Pediatrics, and Pathology, co-authored “An Openly Available Online Tool for Implementing the ACMG/AMP Standards and Guidelines for the Interpretation of Sequence Variants” in *Genetics In Medicine*, 2016 Mar 17 [Epub ahead of print].



Toni Pollin, MS, PhD, CGC

PhD, Postdoctoral Fellow, Department of Department of Biochemistry & Molecular Biology; **Anil Jasiwal, PhD**, Professor, Department of Pharmacology; **Eric Toth, PhD**, Assistant Professor, Department of Biochemistry & Molecular Biology; **Feyruz Rassool, PhD**, Associate Professor, Department of Radiation Oncology; **Edward Sausville, MD, PhD**, Professor, Department of Medicine; **Maria Baer, MD**, Professor, Department of Medicine; and **Ashkan Emadi, MD, PhD**, Associate Professor, Department of Medicine, were among the co-authors on “Hydroxylated Dimeric Naphthoquinones Increase the Generation of Reactive Oxygen Species, Induce Apoptosis of Acute Myeloid Leukemia Cells and Are Not Substrates of the Multidrug Resistance Proteins ABCB1 and ABCG2” in *Pharmaceuticals (Basel)*, 2016 Jan 19;9(1).



Steven Ludwig, MD

► **Steven Ludwig, MD**, Professor, Department of Orthopaedics, was a co-author on “Supralaminar, Infralaminar, Transverse Process Hook Placement,” a book chapter in *Spine Surgery: Tricks of the Trade, Third Edition*, published by Thieme on March 9. In the same book, Dr. Ludwig and **Kelley Banagan, MD**, Assistant Professor, Department of Orthopaedics, were co-authors on the chapters “Minimally Invasive Posterior Deformity Correction Techniques” and “Sacropelvic Trauma.”

► **Laurence Magder, PhD**, Professor, Department of Epidemiology & Public Health, was among the co-authors on “Predictors of Incident Seizure in Systemic Lupus Erythematosus” in *The Journal of Rheumatology*, 2016 Mar;43(3):565-575.



Laurence Magder, PhD

► **Javed Mahmood, PhD**, Assistant Professor, Department of Radiation Oncology, was among the co-authors on “In Vitro and In Vivo Studies of a New Class of Anticancer Molecules for Targeted Radiotherapy of Cancer” in *Molecular Cancer Therapeutics*, 2016 Feb 26 [Epub ahead of print].



Javed Mahmood, PhD



Judy LaKind, PhD

► **Judy LaKind, PhD**, Adjunct Associate Professor, Department of Epidemiology & Public Health, was among the co-authors on “Approaches For Describing and Communicating Overall Uncertainty in Toxicity Characterizations: U.S. Environmental Protection Agency’s Integrated Risk Information System (IRIS) as a Case Study” in *Environment International*, 2016 Apr-May;89-90:110-128.

► **Rena Lapidus, PhD**, Assistant Professor, Department of Medicine; **Lakshmi Pidugu,**



Rena Lapidus, PhD

PUBLICATIONS *continued*



Dirk Mayer, Dr rer nat

► **Dirk Mayer, Dr rer nat**, Associate Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Speeding Up Dynamic Spiral Chemical Shift Imaging with Incoherent Sampling and Low-rank Matrix Completion” in *Magnetic Resonance in Medicine*, 2016 Feb 24 [Epub ahead of print].

► **Minesh Mehta, MB, ChB**, Professor, Department of Radiation Oncology, was among the co-authors on “Does Valproic Acid or Levetiracetam Improve Survival in Glioblastoma? A Pooled Analysis of Prospective Clinical Trials in Newly Diagnosed Glioblastoma” in *Journal of Clinical Oncology*, 2016 Mar 1;34(7):731-739.



Minesh Mehta, MB, ChB

► **Andrea Meredith, PhD**, Associate Professor, and her lab colleagues **Josh Whitt** and **Jenna Montgomery**, all from the Department of Physiology, co-authored “BK Channel Inactivation Gates Daytime Excitability in the Circadian Clock” in *Nature Communications*, 2016, Mar 4;7:10837. Dr. Meredith also gave invited seminars on this work at Baylor College of Medicine, Duke University, Brown University, and the National Institute on Alcohol Abuse and Alcoholism (NIAAA).



Andrea Meredith, PhD

► **Mark Mishra, MD**, Assistant Professor in the Department of Radiation Oncology, was among the co-authors on “Evaluation of Health Economics in Radiation Oncology: A Systematic Review” in *International Journal of Radiation Oncology, Biology, Physics*, 2016 Apr 1;94(5):1006-1014. Dr. Mishra and **Minesh Mehta, MB, ChB**, Adjunct Professor, Department of Radiation Oncology, were among the co-authors on “A Systematic Review of the Cost and Cost-effectiveness Studies of Proton Radiotherapy” in *Cancer*, Feb 1 [Epub ahead of print].



Mark Mishra, MD

► **Jason Mitchell, MD, MPH**, Assistant Professor; **Edward Herskovits, MD**, Professor; and **Prashant Raghavan, MD**, Assistant Professor, all from the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Routine Cross-Sectional Head Imaging Before Electroconvulsive Therapy: A Tertiary Center Experience” in *Journal of the American College of Radiology*, 2016 Apr;13(4):429-434.



Edward Herskovits, MD



Fred Moeslein, MD, PhD

► **Fred Moeslein, MD, PhD**, Assistant Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “SIRFLOX: Randomized Phase III Trial Comparing First-Line mFOLFOX6 (Plus or Minus Bevacizumab) Versus mFOLFOX6 (Plus or Minus Bevacizumab) Plus Selective Internal Radiation Therapy in Patients With Metastatic Colorectal Cancer” in *Journal of Clinical Oncology*, 2016 Feb 22 [Epub ahead of print].



Pranshu Mohindra, MD

► **Pranshu Mohindra, MD**, Assistant Professor, Department of Radiation Oncology, was among the co-authors on “Results of the 2013–2015 Association of Residents in Radiation Oncology Survey of Chief Residents in the United States” in *International Journal of Radiation Oncology, Biology and Physics*, 2016;94:228–234.

co-authors on “Non-Interference of Rotavirus Vaccine with Measles-Rubella Vaccine at 9 Months and Improvements in Anti-Rotavirus Immunity: A Randomized Trial” in *The Journal of Infectious Diseases*, 2016 Jan 27; pii: jiw024 [Epub ahead of print]. She was also the author of “Progress Toward



Kathleen Neuzil, MD, MPH, FIDSA

► **Kathleen Neuzil, MD, MPH, FIDSA**, Professor of Medicine, Director of the Center for Vaccine Development, and Deputy Director of the Institute for Global Health, was among the

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a Respiratory Syncytial Virus Vaccine” in *Clinical Vaccine Immunology*, 2016 Jan 27;23(3):186-188.



Ngozi Akabudike, MD

▶ **Thao Nguyen, MD**, Resident, and **Ngozi Akabudike, MD**, Assistant Professor, both from the Department of Orthopaedics, were co-authors on “Surgical Repair: Reconstruction of Acute and Chronic Thumb Metacarpophalangeal Ulnar Collateral Ligament Deficiency,” a book chapter in *Master Techniques in Orthopaedic Surgery: The Hand, Third Edition*, published by Wolters Kluwer.

▶ **Robert O’Toole, MD**, Professor, Department of Orthopaedics, was a co-author on “Fasciotomy of the Leg for Acute Compartment Syndrome,” a book chapter in *Operative Techniques in Orthopaedic Surgery, Second Edition*, published by Lippincott Williams & Wilkins-Wolters Kluwer Health.

▶ **Palak Parekh, PhD**, Postdoctoral Fellow, Department of Radiation Oncology, was among the co-authors on “The Histone Variant H2A.X is a Regulator of the Epithelial-Mesenchymal Transition” in *Nature Communications*, 2016 Feb;7:10711.



Michelle Pearce, PhD

▶ **Michelle Pearce, PhD**, Assistant Professor of Family & Community Medicine, Center for Integrative Medicine, was a contributing author on “Creating Sacred Space: Spirituality in the Medical Encounter—Part 2” in *Alternative and Complementary Therapies*, 2016 Feb;22(1):9-13.

▶ **Christina Perry, PhD**, Graduate Student in Epidemiology and Human Genetics; **Kristin Maloney, MS, MGC, CGC**, Instructor; and **Amber Beitelshes, PharmD**, Assistant Professor, all from the Department of Medicine and the Program for Personalized and Genomic Medicine; **Linda Jo Bone Jeng, MD, PhD**, Associate Professor, Departments of Medicine,



Robert O’Toole, MD

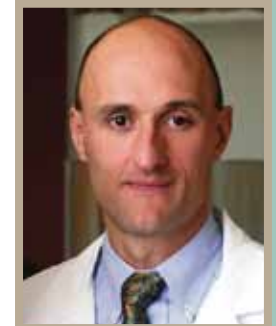


Miriam Blitzer, PhD

Pediatrics, and Pathology; **Nicholas Ambulos Jr, PhD**, Associate Professor, Department of Microbiology & Immunology; **Alan Shuldiner, MD**, the John L. Whitehurst Professor of Medicine and Director of the Program for Personalized and Genomic Medicine; and **Miriam Blitzer, PhD**, Professor, Departments of Pediatrics, Biochemistry & Molecular Biology, and Obstetrics, Gynecology & Reproductive Sciences, co-authored “Educational Innovations in Clinical Pharmacogenomics” in *Clinical Pharmacology and Therapeutics*, 2016 Feb 13 [Epub ahead of print].

▶ **William Regine, MD**, Professor and the Isadore & Fannie Schneider Foxman Chair, Department of Radiation Oncology, was among the co-authors on “RECQ1 A159C Polymorphism is Associated with Overall Survival of Patients with Resected Pancreatic Cancer: A Replication Study in NRG Oncology Radiation Therapy Oncology Group 9704” in *International Journal of Radiation Oncology, Biology, Physics*, 2016 Mar 1;94(3):554-560.

▶ **Charles Resnik, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “A Resident Perspective on Adding Value as Radiologists” in *Academic Radiology*, 2016 Apr;23(4):517-20.



William Regine, MD



Violeta Rus, MD, PhD

▶ **Violeta Rus, MD, PhD**, Associate Professor, Department of Medicine, was among the co-authors on “CTL-Promoting Effects of IL-21 Counteract Murine Lupus in the Parent F1 Graft-versus-Host Disease Model” in *Journal of Immunology*, 2016 Feb 15;196(4):1529-1540.

▶ **Ashutosh Sachdeva, MBBS**, Assistant Professor, and **Edward Pickering, MD**, Assistant Professor, both from the Department



Ashutosh Sachdeva, MBBS

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of Medicine, were among the co-authors on “From Electrocautery, Balloon Dilation, Neodymium-doped:Yttrium-Aluminium-Garnet (Nd:YAG) Laser to Argon Plasma Coagulation and Cryotherapy” in *Journal of Thoracic Disease*, 2015 Dec;7(Suppl 4):S363-S379.

► **Shutosh Sachdeva, MBBS**, Assistant Professor, Department of Medicine, was a co-author on “Training Program of Interventional Pulmonology Fellowships: USA” in *Journal of Thoracic Disease*, 2015 Dec;7(Suppl 4):S415-S417.



Tatiana Sanses, MD

► **Tatiana Sanses, MD**, Assistant Professor, Department of Obstetrics, Gynecology & Reproductive Sciences, was lead author on “Functional Status in Older Women Diagnosed with Pelvic Organ Prolapse” in *American Journal of Obstetric Gynecology*, 2015 Dec 15; pii: S0002-9378(15)02478-3. These results were related to her Building Interdisciplinary Research Career in Women’s Health (BIRWCH) University of Maryland Scholar Award. Co-authors included **Jack Guralnik, MD, PhD, MPH**, Professor, Department of Epidemiology & Public Health.

► **Amit Sawant, PhD**, Associate Professor, Department of Radiation Oncology, was the senior author on “Fast Leaf-Fitting with Generalized Underdose/Overdose Constraints for Real-Time MLC Tracking” in *Medical Physics*, 2016 Jan;43(1):465.



Marcus Sciadini, MD

► **Marcus Sciadini, MD**, Associate Professor, Department of Orthopaedics, was the lead author on “Posterior Wall and Femoral Head Fractures,” a book chapter in *Acetabular Fractures: Principles and Management*, published by JP Medical Publishers.

► **Nirav Shah, MD, FCCP**, Assistant Professor, Department of Medicine, along with colleagues at Johns Hopkins Hospital,



Amit Sawant, PhD



Nirav Shah, MD, FCCP

MedStar Washington Hospital Center, and the National Institutes of Health, co-authored “A Longitudinal Regional Educational Model for Pulmonary and Critical Care Fellows Emphasizing Small Group and Simulation-Based Learning” in *Annals of the American Thoracic Society*, 2016 Apr;13(4):469-474.

► **Terez Shea-Donohue, PhD**, Professor, Department of Radiation Oncology, was among the co-authors on “IL-13R α 1-Dependent Responses in the Intestine are Critical to Parasite Clearance” in *Infection and Immunity*, 2016 Mar 24;84(4):1032-1044.



Taecheon Shin, PhD

► **Taecheon Shin, PhD**, Assistant Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “A Radial Sampling Strategy for Uniform K-space Coverage with Retrospective Respiratory Gating in 3D Ultrashort-echo-time Lung Imaging” in *NMR in Biomedicine*, 2016 May;29(5):576-587.



Terez Shea-Donohue, PhD

► **Eliot Siegel, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Standardization of Terminology in Dermoscopy/ Dermatoscopy: Results of the Third Consensus Conference of the International Society of Dermoscopy” in *Journal of the American Academy of Dermatology*, 2016 Feb 17 [Epub ahead of print].



Gordon Smith, MB, ChB, MPH

► **Gordon Smith, MB, ChB, MPH**, Professor, Department of Epidemiology & Public Health, was last author on “Harnessing Information From Injury Narratives in the ‘Big Data’ Era: Understanding and Applying Machine Learning for Injury Surveillance” in *Injury Prevention*, 2016 Apr;22 Suppl 1:i34-i42.



Eliot Siegel, MD

► **Eileen Steinberger, MD**, Adjunct Assistant Professor, Department of Epidemiology & Public Health, was among the co-authors, and **John Sorkin, MD, PhD**, Professor, Departments of Medicine

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and Epidemiology & Public Health, was last author on “Health Care Access and Smoking Cessation Among Cancer Survivors: Implications For the Affordable Care Act and Survivorship Care” in *Journal of Cancer Survivorship*, 2016 Feb;10(1):1-10.

► **O. Colin Stine, PhD**, Professor, Department of Epidemiology & Public Health, was among the co-authors on “Evaluation in Cameroon of a Novel, Simplified Methodology to Assist Molecular Microbiological Analysis of *V. cholerae* in Resource-Limited Settings” in *PLoS Neglected Tropical Diseases*, 2016 Jan 6;10(1); “Etiology of Diarrheal Disease and Evaluation of Viral-Bacterial Co-Infection in Children Under 5 Years Old in China: A Matched Case-Control Study” in *Clinical Microbiology and Infection*, 2015 Dec 25. pii: S1198-743X(15)01085-X; and “*Shigella* Infections in Household Contacts of Pediatric Shigellosis Patients in Rural Bangladesh” in *Emerging Infectious Diseases*, 2015 Nov;21(11):2006-2013. Dr. Stine was also last author, and **Laura Hungerford, DVM, MPH, PhD**, Professor, Department of Epidemiology & Public Health, was among the co-authors on “Association Between *Shigella* Infection and Diarrhea Varies Based on Location and Age of Children” in *The American Journal of Tropical Medicine and Hygiene*, 2015 Nov 4;93(5):918-924.

► **Scott Strome, MD**, Professor and Chair, and **Xiaoyu Zhang, PhD**, Assistant Professor, both from the Department of Otorhinolaryngology-Head and Neck Surgery, were among the co-authors on “Anti-CD20 Antibody with Multimerized Fc Domains: A Novel Strategy to Deplete B Cells and Augment Treatment of Autoimmune Disease” in *Journal of Immunology*, 2016 Feb 1;196(3):1165-76.

► **Mohan Suntharalingam, MD**, Professor, and **Michael Chuong, MD**, Assistant Professor, both from the Department of Radiation Oncology,

were among the co-authors on “Changes in Neutrophil-to-Lymphocyte and Platelet-to-Lymphocyte Ratios During Chemoradiation Predict for Survival and Pathologic Complete



Scott Strome, MD



Mohan Suntharalingam, MD

Response in Trimodality Esophageal Cancer Patients” in *Journal of Gastrointestinal Oncology*, 2016 Apr;7(2):189-195.

► **Milagritos Tapia, MD**, Associate Professor of Pediatrics; **Marcelo Sztein, MD**, Professor of Pediatrics; **Rezwanul Wahid, MBBS, PhD**, Assistant Professor of Pediatrics; **James Campbell, MD**, Professor of Pediatrics; **Samba Sow, MD, MS**, Adjunct Professor of Medicine; **Kirsten Lyke, MD**, Associate Professor of Medicine; and **Myron Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor in Medicine, all from the Center for Vaccine Development and the Institute for Global Health, were among the co-authors on “Use of ChAd3-EBO-Z Ebola Virus Vaccine in Malian and US Adults, and Boosting of Malian Adults With MVA-BN-Filo: A Phase 1, Single-Blind, Randomised Trial, A Phase 1b, Open-Label and Double-Blind, Dose-Escalation Trial, and a Nested, Randomised, Double-Blind, Placebo-Controlled Trial” in *The Lancet Infectious Diseases*, 2016 Jan;16(1):31-42.



Milagritos Tapia, MD



Sharon Tennant, PhD

► **Sharon Tennant, MD**, Assistant Professor of Medicine; **Raphael Simon, PhD**, Assistant Professor of Medicine; **James Galen, PhD**, Professor of Medicine; **Myron Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor in Medicine; and **Marcela Pasetti, PhD**, Professor of Pediatrics, all from the Center for Vaccine Development and the Institute for Global Health, were co-authors on “Refined Live Attenuated *Salmonella enterica* Serovar Typhimurium and Enteritidis Vaccines Mediate Homologous and Heterologous Serogroup Protection in Mice” in *Infection and Immunity*, 2015

Dec;83(12):4504-4512.

► **Stephen Thom, MD, PhD**, Professor; **Ming Yang, MD**, Research Associate; **Kevin Yu, MD**, Lead Research Specialist; **Veena Bhopale, MPhil, PhD**, Laboratory Manager; and **Svitlana Kovtun, MD**, Research Specialist, all from the Department of Emergency Medicine, were among the co-authors on “Measurements of CD34+/CD45-dim Stem Cells Predict Healing of Diabetic Neuropathic Wounds” in *Diabetes*, 2016 Feb;65(2):486-97. After analyzing specimens from patients with foot ulcers, the investigators concluded that the number

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of blood-borne stem/progenitor cells and the cellular content of hypoxia-inducible factors are indicators of how well wounds will respond to treatment. Dr. Thom was also among the co-authors on “Exercise Before and After SCUBA Diving and the Role of Cellular Microparticles in Decompression Stress” in *Medical Hypotheses*, 2016 Jan;86:80-84. Their observations contribute to the ongoing examination of the role of venous gas emboli in decompression sickness. Elucidation of the effect of pre-dive practices such as exercise, ingestion of antioxidants, and hydration on an individual’s response to dive stresses could lead to applications in the management of diseases that involve endothelial dysfunction and microparticle production.

► **Kelly Westlake, PhD**, Assistant Professor, and **Brian Johnson**, Graduate Student, both from the Department of Physical Therapy & Rehabilitation Science, co-authored “Facilitation of the Lesioned Motor Cortex During Tonic Contraction of the Unaffected Limb Corresponds to Motor Status After Stroke” in *JNPT (Journal of Neurologic Physical Therapy)*, 2016 Jan;40(1):22-23. The two were also among the authors on “Influence of Non-spatial Working Memory Demands



Kelly Westlake, PhD

on Reach-Grasp Responses to Loss of Balance: Effects of Age and Fall Risk” in *Gait & Posture*, 2016 Mar;45:51–55. Dr. Westlake was first author. Department co-authors included **Robert Creath, PhD**, Assistant Professor, and **Mark Rodgers, PT, PhD, FAFTA**, Professor and Chair.

► The February issue of *The American Journal of Emergency Medicine* contained an analysis of factors influencing emergency department (ED) performance, based on a national data set compiled by the Emergency Department Benchmarking Alliance. The authors were **Laura Pimentel, MD, CPME**, Clinical Associate Professor, and **Jon Mark Hirshon, MD, MPH, PhD**, Professor, both from the Department of Emergency Medicine, and their colleagues from the business schools at City University of New York, the University of Maryland, College Park, and American University. The investigators found that the most important correlate with patients’ departure before completion of treatment was the time between arrival in the ED and the time the patient was first seen by a care provider. The most important factors in the time to first contact with a care provider were physician and nursing staffing levels and ED operations, not patient volume. The title of the article was “Drivers of ED Efficiency: A Statistical and Cluster Analysis of Volume, Staffing, and Operations (2016 Feb;34(2):155-61).



Laura Pimentel, MD, CPME

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