



# what's the buzz?

SELF-REPORTED NEWS  
from the  
SCHOOL OF MEDICINE  
COMMUNITY



## PUBLICATIONS

*Hats off to those who have been published!*



Shahed Badiyan, MD

► **Shahed Badiyan, MD**, Assistant Professor; **William Regine, MD**, Professor and chair, and **Minesh Mehta, MB, ChB**, adjunct professor, all from the Department of Radiation Oncology, were the authors of “Stereotactic Radiosurgery for Treatment of Brain Metastases” in the *Journal of Oncology Practice*, 2016 Aug;12(8):703-712.

► **Iliia Baskakov, PhD**, Professor of Anatomy and Neurobiology, Center for Biomedical Engineering and Technology, was the senior author on “Reversible Off and On Switching of Prion Infectivity Via Removing And Reinstalling Prion Sialylation” in *Scientific Reports*, 2016 Sep 09 [Epub only].

► **Soren Bentzen, PhD, DMSc**, Professor, Department of Epidemiology & Public Health, was among the co-authors on “Effect Of Tumor Dose, Volume And

Overall Treatment Time On Local Control After Radiochemotherapy, Including Mri-Guided Brachytherapy Of Locally Advanced Cervical Cancer” in *Radiotherapy Oncology*, 2016 Sep;120(3):441-446, and on “Individual Patient Data Meta-Analysis Shows A Significant Association Between The ATM Rs1801516 SNP and Toxicity After Radiotherapy in 5456 Breast And Prostate Cancer Patients” in *Radiotherapy and Oncology*, 2016 Jul 18 [Epub ahead of print].

► **Mary Bollinger, DO**, Associate Professor, Department of Pediatrics, was among the co-authors on “Parents Of Children With Food Allergy: Gender Differences In Perceived Impact



Iliia Baskakov, PhD



Michael Bond, MD

And Perceived Food Allergy Severity” in *Journal of Pediatric Psychology*, 2016 Jul 17 [Epub ahead of print].

► **Michael Bond, MD**, Associate Professor, and **Michael Abraham, MD**, Clinical Assistant Professor, both from the Department of Emergency Medicine, along with **Jason Brown, MD**, and **Stephen Shaheen, MD**, recent graduates of the Emergency Medicine residency, co-authored “The Orthopedic Literature 2015” in *The American Journal of Emergency Medicine*, 2016 Aug; 34(8):1663-1667. The authors reviewed and summarized articles on the topics of acute compartment syndrome, scaphoid and clavicular fractures, ankle injuries, hip fractures in the elderly, and sports medicine.

► **Stacy Buckingham-Howes, PhD**, Research Associate, Department of Neurology; **Dayna Mazza, MS-IV**; **Yan Wang, MD, DrPH**, Assistant Professor, Departments of Pediatrics and Epidemiology & Public Health, and **Maureen Black, PhD**, Professor, Department of Pediatrics, were among the co-authors on “Prenatal Drug Exposure and Adolescent Cortisol Reactivity: Association with Behavioral Concerns” in *Journal of Developmental and Behavioral Pediatrics*, 2016 Sep;37(7):565-72.

► **Arpit Chabra, MD**, Resident, Department of Radiation Oncology, was a coauthor of “Treatment of Common Pediatric CNS Malignancies with Proton Therapy” in *Chinese Clinical Oncology*, 2016 Aug;5:49.

► **Marcus Chibucos, PhD**, Research Associate, Microbiology and Immunology; **Sean Daugherty**, Senior Bioinformatics Analyst; **Joshua Orvis**, Lead



Maureen Black, PhD



Mary Beth Bollinger, DO

## PUBLICATIONS *continued*

Bioinformatics Software Engineer; **Amol Shetty**, Senior Bioinformatics Software Engineer; **Jonathan Crabtree**, Lead Bioinformatics Software Engineer; **Tracy Hazen, PhD**, Research Associate, Microbiology & Immunology; **Timothy O'Connor, PhD**, Assistant Professor of Medicine; **David Rasko, PhD**, Professor of Microbiology & Immunology; **Claire Fraser, PhD**, Professor of Medicine and Microbiology & Immunology; and **Vincent Bruno, PhD**, Assistant Professor of Microbiology & Immunology, all from Institute for Genome Sciences, which Dr. Fraser directs, were among the co-authors on “An Integrated Genomic and Transcriptomic Survey of Mucormycosis-Causing Fungi” in *Nature Communications*, 2016 Jul 22;7:12218.

► **Joseph Collins, ScD**, Professor, Department of Epidemiology & Public Health, was among the co-authors on “The Difficulty in Identifying Factors Responsible for Pressure Ulcer Healing in Veterans with Spinal Cord Injury” in *Archives of Physical Medicine and Rehabilitation*, 2016 Jun 30, 2016 Sep 28;238:139-48.

► **Jimena Dancy**, PhD Candidate (first author); **Aniket Wadajkar, PhD**, Postdoctoral Fellow; **Craig Schneider, PhD**, Postdoctoral Fellow; **Graeme Woodworth, MD**, Associate Professor; **Anthony Kim, PhD**, Assistant Professor (last author), all from the Department of Neurosurgery; and **Joseph Mauban, PhD**, Research Associate, Department of Physiology; **Olga Goloubeva, PhD, MSc**, Associate Professor, Department of Epidemiology & Public Health; and **Jeffrey Winkles, PhD**, Professor, Department of Surgery, were among the co-authors on “Non-Specific Binding And Steric Hindrance Thresholds For Penetration of Particulate Drug Carriers Within Tumor Tissue” in *Journal of Controlled Release*, 2016 Jul 23 [Epub ahead of print].

► **Zachary Dezman, MD, MS**, Instructor, and **Jon Mark Hirshon, MD, MPH, PhD**, Professor, both from the Department of Emergency Medicine, were first and last author, respectively, and **Gordon Smith, MB, ChB, MPH**, Professor, Department of Epidemiology & Public Health, was among



Marcus Chibucos, PhD

the co-authors on “The Severity of Bleeding and Mortality in Trauma Patients Taking Dabigatran” in *The Journal of Emergency Medicine*, 2016 Sep;51(3):238-45. Drs. Dezman, Hirshon and Smith, along with **Thomas Scalea, MD**, Professor, Department of Surgery, and Physician-in-Chief, R Adams Cowley Shock Trauma Center, were among the co-authors on “Alcohol Consumption Decreases Lactate Clearance in Acutely Injured Patients” in *Injury*, 2016 Sep;47(9):1908-1912. The other two contributors to this work were **Angela Comer, MPH**, formerly a statistician in the National Study Center for Trauma and Emergency Medical Systems, and **Mayur Narayan, MD, MPH, MBA**, formerly an Assistant Professor of Surgery. The work was funded by a Resident Research Grant from the Maryland Emergency Medicine Network.



Thomas Scalea, MD



Vasken Dilsizian, MD

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was the co-chair of the writing group and one of the co-authors on “ASNC/SNMMI Position Statement on the Clinical Indications for Myocardial Perfusion PET,” which was reviewed by an outside panel and endorsed by the American Society of Nuclear Cardiology and the Society of Nuclear Medicine and Molecular Imaging. The article was published in *Journal of Nuclear Medicine*, 2016 Oct;57(10):1654-1656. He also co-authored an Editorial Comment entitled “Defining Inflammatory Levels of Carotid Artery

and Aortic 18FDG Uptake: Implications for Clinical Trial Design and Individual Patient Management” in *Journal of the American College of Cardiology Cardiovascular Imaging*, 2016 Sep [Epub ahead of print].

► **Renee Dixon, MD**, Assistant Professor; **Nirav Shah, MD, FCCP**, Assistant Professor; **E. James Britt III, MD**, Professor; and **Giora Netzer, MD, MSCE**, Associate Professor, all from the Department of Medicine, along with **Allen Burke, MD**, Clinical Professor, Department of Pathology; and **Jean Jeudy, MD**, Associate Professor, Department of Radiology, were among the co-



Nirav Shah, MD, FCCP

## PUBLICATIONS *continued*

authors on “Ten-Year Single Center Experience of Pulmonary Carcinoid Tumors and Diagnostic Yield of Bronchoscopic Biopsy” in *Lung*, 2016 Aug 20 [Epub ahead of print].



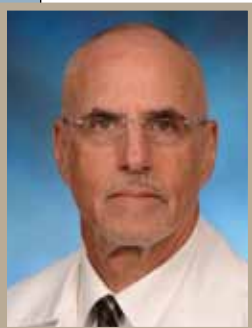
Paul Fishman, MD, PhD

► **Paul Fishman, MD, PhD**, Professor, Departments of Neurology and Pharmacology; **Howard Eisenberg, MD**, Professor and the Raymond K. Thompson, MD, Chair in Neurosurgery, Department of Neurosurgery; and **Dheeraj Gandhi, MBBS**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “A Randomized Trial of Focused Ultrasound Thalamotomy for Essential Tremor” in *New England Journal of Medicine*, 2016 Aug 25;375(8):730-9.

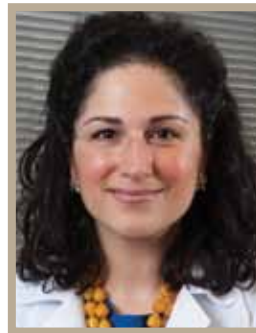
► **Neda Frayha, MD**, Clinical Assistant Professor, Department of Medicine; **Laura Bontempo, MD**, Assistant Professor, Department of Emergency Medicine; **Norman Retener, MD**, Assistant Professor, Department of Medicine; **Getachew Teshome, MD**, Assistant Professor, Department of Pediatrics; **Susan Wolfsthal, MD**, Professor, Department of Medicine; and **Linda Orkin Lewin, MD**, Adjunct Associate Professor, Department of Pediatrics, were among the co-authors on “Core Entrustable Professional Activities: A Survey of the Confidence of Fourth-Year Medical Students and Residency Program Directors” in *Medical Science Educator*, 2016 Sep;26(3):475-480.

► **Jeffrey Galvin, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine was among the co-authors on “Microscopic Organizing Pneumonia and Cellular Non-specific Interstitial Pneumonia Are Widespread in Macroscopically Normal-appearing Lung Tissue in Idiopathic Pulmonary Fibrosis” in *The Journal of Heart and Lung Transplantation*, 2016 Jul 27 [Epub ahead of print].

► **Dheeraj Gandhi, MBBS**, Professor; **Gaurav Jindal, MD**, Assistant Professor; **Timothy Miller, MD**, Assistant Professor; and **Ravi**



Jeffrey Galvin, MD



Neda Frayha, MD

**Shivashankar, MBBS**, Fellow, all from Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Stent Retrieval Thrombectomy in Acute Stroke is Facilitated by the Concurrent Use of Intracranial Aspiration Catheters” in *Journal of Neurointerventional Surgery*, 2016 Sep 1 [Epub ahead of print].

► **Karen Gordes, PhD, PT, DScPT**, and **Sandra McCombe**

**Waller, PT, PhD, MS, NCS**, Associate Professor, both from the



Sandy McCombe Waller, PT, PhD, MS, NCS

Department of Physical Therapy & Rehabilitation Science, were among the co-authors on “Uncovering Challenges And Opportunities For 3D Printing Assistive Technology With Physical Therapists” in the Association for Computing Machinery’s (ACM) *Proceedings of the 18th International ACM SIGACCESS Conference on Computers and Accessibility*, 2016 Oct [Epub only]. It can be downloaded at [https://www.academia.edu/28003014/Uncovering\\_Challenges\\_and\\_Opportunities\\_for\\_3D\\_Printing\\_Assistive\\_Technology\\_with\\_Physical\\_Therapists](https://www.academia.edu/28003014/Uncovering_Challenges_and_Opportunities_for_3D_Printing_Assistive_Technology_with_Physical_Therapists)

► **Michael Grasso, MD, PhD**, Assistant Professor, **Zachary D.W. Dezman, MD, MS**, Clinical Instructor, and **David A. Jerrard, MD**, Associate Professor, all from the Department of Emergency Medicine, were among the co-authors on “The Decline in Hydrocodone/Acetaminophen Prescriptions in Emergency Departments in the Veterans Health Administration Between 2009 to 2015” in *Western Journal of Emergency Medicine*, 2016 Jul;17(4):396-403.

► **Megan Halliday, BS**, medical student, **Andrew Bouland, BS**, a 2016 graduate of the School of Medicine, **Benjamin Lawner, DO, MS, EMT-P**, Assistant Professor, Department of Emergency Medicine, and Deputy EMS Medical Director, Baltimore City Fire Department, **Angela Comer, MPH**, National Study Center for Emergency Medical Systems and Trauma, **Daniel Ramos, BA**, Baltimore City Department of Social Services, and **Mark Fletcher, NRP**, Baltimore City Fire Department, were co-authors on “The Medical Duty Officer: An Attempt to Mitigate the Ambulance At-Hospital Interval” in *Western Journal of Emergency Medicine*, 2016 Sept;17(5):662-668.



Dheeraj Gandhi, MBBS



## PUBLICATIONS *continued*



Erin Hager, PhD

► **Erin Hager, PhD**, Associate Professor, and **Maureen Black, PhD**, Professor, both from the Department of Pediatrics, were co-authors on “Toddler Physical Activity Study: Laboratory and Community Studies To Evaluate Accelerometer Validity and Correlates” in *BMC Public Health*, 2016 Sep 6;16:936.

► **John Hamlyn, PhD**, Professor, and **Mordecai Blaustein, MD**, Professor, both from the Department of Physiology, co-authored “Endogenous Ouabain: Recent Advances and Controversies” in *Hypertension*, 2016 Sep;68(3):526-

32. The article was listed on the journal cover and was the lead article in the issue. Drs. Blaustein and Hamlyn, along with **Ling Chen, MD, MMed**, Associate Professor; **Gil Wier, PhD**, Professor; and **Jin Zhang, MD, PhD**, Associate Professor, all also from the Department of Physiology, were among the co-authors on an invited ‘Topical Review’ entitled “Pivotal Role of Alpha-2 Na<sup>+</sup> Pumps and Their High Affinity Ouabain Binding Site in Cardiovascular Health and Disease” in *The Journal of Physiology*, 2016 Nov 1;594(21):6079-6103.



John Hamlyn, PhD

► **Jon Mark Hirshon, MD, MPH, PhD**, Professor, Departments of Emergency Medicine and Epidemiology & Public Health, collaborated with colleagues from the University of California, Irvine, on “Zika Virus: Critical Information for Emergency Providers” which was published in *Emergency Medicine Clinics of North America*, 2016 Aug;34(3):e25-e37. The article reviewed transmission patterns, clinical presentation, diagnostic procedures, implications for mass gatherings (including the Olympics), and management strategies for an infection for which antiviral therapy has not yet been developed.

► **Isabel Jackson, PhD**, Assistant Professor, and **Zeljko Vujaskovic, MD, PhD**, Professor, both from the Department of Radiation Oncology, were among the authors on “Ultrapformance



Jon Mark Hirshon, MD,  
MPH, PhD

Convergence Chromatography-High Resolution Tandem Mass Spectrometry For Lipid Biomarker Profiling and Identification” in *Biomedical Chromatography*, 2016 Aug 24 [E-pub ahead of print].

► **Jean Jeudy, MD**, Associate Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Should Regional Ventilation Function be Considered During Radiation Treatment Planning to Prevent Radiation-induced Complications?” in *Medical Physics*, 2016 Sep;43(9):5072.

► **Xiaofeng Jia, BM, PhD**, Associate Professor, Departments of Neurosurgery, Orthopaedics, and Anatomy and Neurobiology was the senior author on “Advances And Future Application Of Augmented Peripheral Nerve Regeneration” in *International Journal of Molecular Science*, 2016 Sep 7 [Epub ahead of print].

► **Nishanth Khanna, MD, PGY 4**; **Dheeraj Gandhi, MBBS**, Professor; **Andrew Steven, MD**, Assistant Professor; **Victor Frenkel, PhD**,

Associate Professor; and **Elias Melhem, MD, PhD**, Professor and the Dean John M. Dennis Chairman, all from the Department of

Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Intracranial Applications of MR Imaging-Guided Focused Ultrasound” in *AJNR. American Journal of Neuroradiology*, 2016 Aug 18 [Epub ahead of print]. Dr. Melhem was also among the co-authors on “Gender-Based Analysis of Cortical Thickness and Structural

Connectivity In Parkinson’s Disease” in *Journal of Neurology*, 2016 Nov;263(11):2308-2318.

► **Jane Kim, MD**, Assistant Professor; **Narendra Shet, MD**, Assistant Professor; **Brigitte Pocta, MLA**, Editor; and **Penny Olivi, MBA, RT(R), CRA, FAHRA**, Senior Administrator, all from Department of Diagnostic Radiology & Nuclear Medicine, along with **Molly Baron, BS, CCLS**, Child Life Specialist, and **Shannon Joslin, MS, CCLS**, Child Life Manager, both from the University of Maryland Children’s Hospital, were among the co-authors on “Enhancing the Imaging Experience for Pediatric Patients” in



Xiaofeng Jia, BM, PhD



Victor Frenkel, PhD



Jane Kim, MD

**PUBLICATIONS** *continued*

*Radiology Management*, 2016 May-Jun;38(3):31-4, 36; quiz 37.

► **Nikhil Kumar**, Laboratory Supervisor; **Sean Daugherty**, Senior Bioinformatics Analyst; **Luke Tallon**, Scientific Director, Genome Resources Center; Sandra Ott, Platform Lead, Genome Resources Center; and **Hervé Tettelin, PhD**, Associate Professor of Microbiology and Immunology, all from Institute for Genome Sciences, were among the co-authors on “Neuraminidase A Exposed Galactose Promotes *Streptococcus Pneumoniae* Biofilm Formation During Colonization” in *Infection and Immunity*, 2016 Sep 19;84(10):2922-32.

► **Fujan Lan, PhD**, Physics Postdoctoral Student; **Warren D’Souza, PhD**, Professor; **Jinghao Zhou, PhD**, Assistant Professor, and **Howard Zhang, PhD**, Assistant Professor, all in the Department of Radiation Oncology, were among the authors of “Should Regional Ventilation Function Be Considered During Radiation Treatment Planning to Prevent Radiation-Induced Complications?” in *Medical Physics*, 2016 Sep;43(9):5072.



Warren D’Souza, PhD

► **Barton Lane, MD**, Assistant Professor; **Jason Mitchell, MD, MPH, MBA**, Assistant Professor, and **Barry Daly, MD**, Professor, all from the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Computed Tomographic Angiography of the Abdomen and Pelvis in Azotemic Patients Utilizing 80-kV(p) Technique and Reduced Dose Iodinated Contrast: Comparison With Routine 120-kV(p) Technique” in *Journal of Computer Assisted Tomography*, 2016 Aug 25 [Epub ahead of print].



Barton Lane, MD

► **Surbhi Leekha, MBBS, MPH**, Assistant Professor; **Lisa Pineles, MA**, Research Associate; **Laurence Magder, PhD**, Professor; **Kerri Thom, MD**, Associate Professor; **Sarah Jackson** (first author), PhD



Surbhi Leekha, MBBS, MPH

student; **Yuan Wang**, IT Programmer; and **Anthony Harris, MD, MPH**, Professor, all from the Department of Epidemiology & Public Health, were among the co-authors on “Improving Risk Adjustment Above Current Centers for Disease Control and Prevention Methodology Using Electronically Available Comorbid Conditions” in *Infection Control and Hospital Epidemiology*, 2016 Oct;37(10):1173-8 Dr. Harris was also among the co-authors on “A Clinical Decision Tree to Predict Whether a Bacteremic Patient is Infected With an ESBL-Producing Organism” in *Clinical Infectious Diseases*, 2016 Oct 1;63(7):896-903; and was last author on “Methods and Issues in Studies of CRE” in *Virulence*, 2016 Jul 28:1-7 [Epub ahead of print].

► **Javed Mahmood, PhD**, Assistant Professor; **Radmila Pavlovic, BSc**, Research Assistant; **Jason Molitoris, MD, PhD**, Resident; **Isabel Jackson, PhD**, Assistant Professor, and **Zeljko Vujaskovic, MD, PhD**, Professor, all from the Department of Radiation Oncology, were among the co-authors on “Radiation-Induced Erectile Dysfunction: Recent Advances and Future Directions” in *Advances in Radiation Oncology*, 2016 Jul-Sep;1:161–169.



Javed Mahmood, PhD



Istvan Mercenthaler, MD, PhD

► **Istvan Mercenthaler, MD, PhD, DSc**, Professor, Department of Epidemiology & Public Health, was first author, and **Gauri Sabnis, PhD**, Assistant Professor, and **Angela Brodie, PhD**, Professor, both from the Department of Pharmacology, were among the co-authors on “Treatment With an Orally Bioavailable Prodrug of 17β-Estradiol Alleviates Hot Flashes Without Hormonal Effects In The Periphery” in *Scientific Reports*, 2016 Aug 1;6:30721.

► **Ram Miller, MDCM**, Adjunct Assistant Professor, and **Jay Magaziner, PhD, MSHyg**, Professor and Chair, both of the Department of Epidemiology & Public Health, were among the co-authors on “Evaluating The Relationship Between Muscle And Bone Modeling Response In Older Adults” in *Bone*, 2016 Sep;90:152-8.



Ram Miller, MDCM

PUBLICATIONS *continued*



Siamak Moayedi, MD

► **Siamak Moayedi, MD**, Assistant Professor, Department of Emergency Medicine, and **Lisa Babin, MD**, a 2016 graduate of the University of Maryland School of Medicine, published a case report “Pneumorrhachis Secondary to a Sacral Decubitus Ulcer” in *Western Journal of Emergency Medicine*, 2016 Jul;17(4):466-468. It describes the rare finding of gas in the spinal canal, produced as direct extension from organisms causing vertebral osteomyelitis.

► **Robert Morales, MD**, Assistant Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Removal of an Entrapped Lumbar Drain After Thoracic Endovascular Aortic Repair” in *AA Case Reports*, 2016 Aug 15;7(4):93-5.

► **Michael Mulligan, MD**, Professor, and **Michael Morris, MD**, PGY3, both from the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors on “Musculoskeletal and Overgrowth Syndromes Associated with Cutaneous Abnormalities” in *British Journal of Radiology*, 2016 Nov;89(1067):20160521.

► **Timothy O'Connor, PhD**, Assistant Professor of Medicine, Institute for Genome Sciences, was among the co-authors on “Exome Sequencing of Pakistani Consanguineous Families Identifies 30 Novel Candidate Genes For Recessive Intellectual Disability” in *Molecular Psychiatry*, 2016 Jul 26 [Epub ahead of print].

► **Glenn Ostir, PhD**, Professor (first author), and **Ivonne-Marie Berges, PhD**, Assistant Professor, both from the Department of Epidemiology & Public Health; and **Steve Schenkel, MD**, Associate Professor, Teresa Kostelec, and **Laura Pimentel, MD, CPME**, Clinical Associate Professor (last author), all from the Department of Emergency Medicine, were among the co-authors on “Cognitive Health And Risk Of ED Revisit In Underserved Older Adults” in *The American Journal of*



Glenn Ostir, PhD



Timothy O'Connor, PhD

*Emergency Medicine*, 2016 Oct;34(10):1973-1976.



Michelle Pearce, PhD

► **Michelle Pearce, PhD**, Assistant Professor of Family & Community Medicine, Center for Integrative Medicine, authored the book *Cognitive Behavioral Therapy for Christians with Depression: A Practical Tool-Based Primer*, published in August by Templeton Press.

► **Kevin Pereira, MBBS, MS**, Professor, Departments of Otorhinolaryngology-Head & Neck Surgery and Pediatrics, was a co-author on “Management of Obstructive Sleep Apnea

in Children: A Practical Approach” in *Ear, Nose & Throat Journal*, July 18 [Epub ahead of print]. Dr. Pereira and **Amal Isaiah, MBBS, PhD**, Assistant Professor, were co-authors on “Current Trends in Neonatal Tracheostomy” in *JAMA Otolaryngology - Head and Neck Surgery*, 2016 Aug 1;142(8):738-42.

► **Mikulas Popovic, MD, PhD**, Adjunct Professor of Medicine, Institute of Human Virology, was last author, and **Joseph Bryant, DVM**, Associate Professor of Pathology and Director, Division of Animal Models, Institute of Human Virology, was among the co-authors on “Efficient Procedure for N-Glycan Analyses and Detection of Endo H-Like Activity in Human Tumor Specimens” in *Journal of Proteome Research*, 2016 Aug 5;15(8):2777-86.

► **Prashant Raghavan, MD**, Associate Professor; **Jiachen Zhuo, PhD**, Assistant Professor; and **Rao Gullapalli, PhD, MBA**, Professor, all from the Department of Diagnostic Radiology & Nuclear Medicine, along with **Alexandre Medina de Jesus, DSci**, Associate Professor, Department of Pediatrics, were among the co-authors on “Cortical Multisensory Connectivity is Present Near Birth in Humans” in *Brain Imaging Behavior*, 2016 Aug 31 [Epub ahead of print].

► **Mary Rodgers, PT, PhD, FAPTA, FASB, FISB**, Professor and Director of External Affairs, and **Vincent Conroy, PT, DScPT**, Assistant Professor, Department of Physical Therapy &



Kevin Pereira, MBBS, MS



Alexandre Medina de Jesus, DSci



## PUBLICATIONS *continued*

Rehabilitation Science, co-authored book chapter “Ambient and Wearable Sensors for Human Health Monitoring” in the eBook *Active and Assisted Living: Technologies and Applications*, in August 2016. The publication is available at [http://digital-library.theiet.org/content/books/10.1049/pbhe006e\\_ch3;jsessionid=1enhiacdfs48.x-iet-live-01](http://digital-library.theiet.org/content/books/10.1049/pbhe006e_ch3;jsessionid=1enhiacdfs48.x-iet-live-01).



Lisa Shulman, MD

► **Lisa Shulman, MD**, Professor, Department of Neurology, was the last author, and **Ann Gruber-Baldini, PhD**, Professor, Department of Epidemiology & Public Health, and **Stephen Reich, MD**, Professor, Department of Neurology, were among the co-authors on “Asymmetric Responsiveness of Disability And Health-Related Quality Of Life To Improvement Versus Decline in Parkinson’s Disease” in *Quality of Life Research*, 2016 Jun 30 [Epub ahead of print].

► **Clint Sliker, MD**, Associate Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Long-term Follow-up of Blunt Cerebrovascular Injuries: Does Time Heal All Wounds?” in *The Journal of Trauma and Acute Care Surgery*, 2016 Aug 18 [Epub ahead of print].

► **Charles Simone, II, MD**, Associate Professor, and **Minesh Mehta, MB, ChB**, Adjunct Professor, both from the Department of Radiation Oncology, were among the co-authors on “Proton Therapy for Gynecologic Neoplasms,” e-published on August 8 ahead of print in *Acta Oncologica*. They were also among the authors on “Clinical Outcomes And Toxicities of Proton Radiotherapy For Gastrointestinal Neoplasms: A Systematic



Charles Simone, II, MD



Mary Rodgers, PT, PhD, FAPTA, FASB, FISB

Review” in *Journal of Gastrointestinal Oncology*, 2016 Aug;7(4):644-64. In the journal *Annals of Palliative Medicine*, Dr. Simone was the sole author of “Discordant Expectations About Prognosis in Critically Ill Patients” (2016 Jul;5(3):225–226) and “Symptoms of Palliative Patients and Their Providers: Depression, Pain, Nausea, and Declines in Quality Of Life” (2016 Jul;5(3):153-6). He was also among the co-authors on “Using Machine Learning to Predict Radiation Pneumonitis In Patients With Stage I Non-Small Cell Lung Cancer Treated With Stereotactic Body Radiation Therapy” in *Physics in Medicine and Biology*, 2016 Aug 21;61(16):6105–6120) and “Cost-Comparativeness of Proton Versus Photon Therapy” in *Chinese Clinical Oncology*, 2016 Aug;5(4):56.

► **Sandra McCombe Waller, PT, PhD, MS, NCS**, Associate Professor, and **Mark Rogers, PhD, PT**, Professor, both from the Department of Physical Therapy and Rehabilitation Science, were first and last author, respectively; and **Chieh-Ling Yang, PhD** Student, and **Vicki Gray, PT, PhD**, Research Associate, both also from the Department of Physical Therapy and Rehabilitation Science, and **Laurence Magder, PhD**, Professor, Department of Epidemiology & Public Health, were among the co-authors on “Impaired Motor Preparation and Execution During Standing Reach in People with Chronic Stroke” in *Neuroscience Letters*, 2016 Sep 6;630:38-44. Dr. Magder was also among the co-authors on “Assessment Of The Independent Associations Of Igg, Igm and Iga Isotypes of Anticardiolipin With Thrombosis In SLE” in *Lupus Science & Medicine*, 2016 Jun 20;3(1):e000107.



Sandra McCombe Waller, PT, PhD, NCS



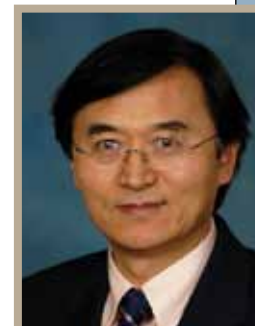
Clint Sliker, MD



Charles White, MD

► **Charles White, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors on “Radiographic Evaluation of Valvular Heart Disease with Computed Tomography and Magnetic Resonance Correlation” in *Journal of Thoracic Imaging*, 2016 Sep;31(5):273-84.

► **Cedric Yu, DSc**, Clinical Professor, Department of Radiation



Cedric Yu, DSc

## PUBLICATIONS *continued*

Oncology, was a co-author on “Photon Radiotherapy Has Reached Its Limit In Terms Of Catching Up Dosimetrically with Proton Therapy” in *Medical Physics*, 2016 Aug;43(8):4470.



Min Zan, PhD

► **Min Zhan, PhD**, Associate Professor, Department of Epidemiology & Public Health, and **Nathan O’Hara, MHA**, Clinical Research Manager; **Joshua Abzug, MD**, Assistant Professor; and **Gerard Slobogean, MD, MPH**, Clinical Assistant Professor (last author), all from the Department of Orthopaedics, were among the co-authors on “Timing of Hip Fracture Surgery and 30-Day Outcomes” in *Orthopedics*, 2016 Jul 25:1-8 [Epub ahead of print].

## NEW FACULTY



*We welcome our new faculty!*

► **Cherng Chao, MD, JD**, has joined the Department of Diagnostic Radiology & Nuclear Medicine as an Assistant Professor. Dr. Chao received a law degree from Yale Law School and a medical degree from University of California, San Diego School of Medicine, where he completed an internship in general surgery and a residency in diagnostic radiology. He completed a fellowship in vascular and interventional radiology at the Hospital of the University of Pennsylvania before going on to serve as an Assistant Professor in the Department of Radiology at the University of Pittsburgh, University of Pittsburgh Medical Center.

► **Ivy Dick, PhD**, has been appointed as an Assistant Professor in the Department of Physiology. Prior to receiving her Doctorate in Philosophy in Biomedical Engineering, Dr. Dick received her BS in Physics from the University of North Carolina at Chapel Hill in 1997. She received her PhD in 2010 from The Johns Hopkins University in Baltimore MD. She did her Postdoctoral training at The Johns Hopkins University in the Department of Biomedical Engineering under Dr. David Yue. She was promoted to Research Associate in 2015. Dr. Dick came to the University of Maryland, Baltimore as a result of a recent recruitment process and will be focusing on the biology of voltage-

## NEW FACULTY *continued*

dependent ion channels mediating the influx of calcium into cardiac cells and neurons.

► **Elvira Mitraka, PhD**, was appointed as a Research Associate in the Department of Epidemiology & Public Health effective July 25.

► **Ilana Mittman, PhD, MS**, has received a part-time appointment as an Interim Visiting Assistant Professor in the Department of Epidemiology & Public Health. Dr. Mittman is a faculty member from Johns Hopkins University with areas of expertise in health disparities, diversity and inclusion, cultural competency, and unconscious bias, and is well-versed in community-based participatory research.

► **Christa Nelson, PT, DPT, PhD**, recently joined the Department of Physical Therapy & Rehabilitation Science as an Assistant Professor. Dr. Nelson comes to Maryland from Northwestern University in Chicago, IL, where she received a combined DPT/PhD in Engineering degree.

► **Mutiati Onigbanjo, MD**, has joined the Department of Pediatrics as an Assistant Professor in the Division of General Pediatrics. Dr. Onigbanjo received her MD from George Washington University School of Medicine and Health Sciences in 2009. She did an Internship in Pediatrics at the New York-Presbyterian Morgan Stanley Children’s Hospital, Columbia University Medical Center (2009–2010). She then went on to a Residency in Pediatrics, New York-Presbyterian Morgan Stanley Children’s Hospital, Columbia University Medical Center (2010–2012). She was a Chief Residency, Pediatrics, New York-Presbyterian Morgan Stanley Children’s Hospital, Columbia University Medical Center (2012–2013). She has been board certified in pediatrics since 2012.

► **Donna Zeiter, MD**, has joined the Department of Pediatrics as an Assistant Professor in the Division of Gastroenterology & Nutrition. Dr. Zeiter received her MD from The Johns Hopkins University School of Medicine (1990). She received a BS in Biology The Pennsylvania State University (1986). She did an Internship in Pediatrics at Johns Hopkins University School of Medicine, Baltimore, MD (1990–1991). She did a Residency in Pediatrics at Johns Hopkins University School of Medicine, Baltimore, MD (1991-1993). She followed this with a Clinical Fellowship in Pediatric Gastroenterology and Nutrition at The Children’s Hospital of Philadelphia, Philadelphia, PA (1993-1994). She then followed this with a Research Fellowship in Pediatric Gastroenterology and Nutrition at The Children’s Hospital of Philadelphia, Philadelphia, PA (1994–1996).



## GRANTS &

## CONTRACTS



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

► **Sai Sachin Divakaruni, BS**, Graduate Research Student, Department of Physiology, received a four-year, \$159,428, MD/PhD F30 individual training grant renewal from the National Institute of Mental Health for research training on “Regulation of Drp1-Dependent Mitochondrial Fission During Synaptic Potentiation.” This individual training grant was awarded with two years of PhD and two years of MD support.

► **Steven Feigenberg, MD**, Professor, Department of Radiation Oncology, received \$100,000 from the Maryland Industrial Partnerships Program, in collaboration with Xcision Medical Systems, LLC, for “Phase 2, Radiosurgery of Early Stage Breast Cancer.”



Steven Feigenberg, MD

► **Jeffrey Fink, MD MS**, Professor, Department of Medicine, was recently awarded a two-year, \$450,000 grant from the National Institute of Diabetes and Digestive and Kidney Disease (NIDDK) for the trial “Does a Sick-Day Protocol Improve Outcomes in Chronic Kidney Disease?”



Jeffrey Fink, MD, MS

► **Jon Mark Hirshon, MD, MPH, PhD**, Professor, Departments of Emergency Medicine and Epidemiology & Public Health, is a site principal investigator for two recently funded studies. As a subcontractor on an award received by Johns Hopkins University from the Health Resources and Services Administration, Dr. Hirshon will participate in the development and testing of a triage tool that will help emergency medical services personnel make transport decisions for sick and injured children. The project is intended to elucidate reasons for secondary transports of pediatric patients and thus decrease their frequency. He also is a subcontractor for a project funded by the Centers for



Jon Mark Hirshon, MD, MPH, PhD

Medicare & Medicaid Services, through which he will collect data that will be used to assess quality of care and patient safety at dialysis centers.

► **James Kaper, PhD**, Professor and Chair, Department of Microbiology & Immunology, and Senior Associate Dean for Academic Affairs, received a five-year \$6,802,230 grant from the National Institute of Allergy and Infectious Diseases (NIAID) for a program project grant entitled “Pathogenesis of *E. coli* and *Shigella* Infections in Human Enteroid Models.” Collaborating SOM investigators on this project include **Eileen Barry, PhD**, Professor of Medicine, and **Marcela Pasetti, PhD**, Professor of Pediatrics, both from the Center for Vaccine Development in the Institute of Global Health.



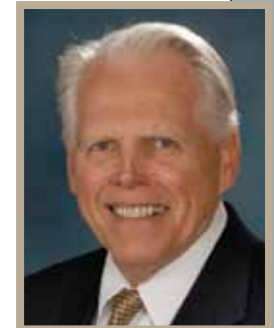
James Kaper, PhD



Mary Kay Lobo, PhD

► **Mary Kay Lobo, PhD**, Assistant Professor, Department of Anatomy and Neurobiology, received a two-year, \$60,000 Start-up Research Grant from the US-Israel Binational Science Foundation for “Genetics and Physiology of Ventral Pallidum Microcircuits.” She also received a three-year, \$500,000 grant from the National Science Foundation for “Focused Electrical Stimulator For Targeted Neuromodulation,” and a three-year, \$250,000 IMHRO Janssen Rising Star Translational Research Award for “Stabilizing Neuronal Architecture for Depression Therapeutics.”

► **Thomas MacVittie, PhD**, Professor, Department of Radiation Oncology, received an under prime NIH/NIAID contract worth \$2,420,155 from SRI International for “Assess The Efficacy of Filgrastim On: (A) Mitigating Myelosuppression/Mortality Associated With H-ARS When Administered in a Delayed Schedule and (B) Comorbidities and Mortality of Multi-Organ Injury Associated With Concurrent GI-ARS, Prolonged GI Injury and Delayed Effects to Lung And Kidney Characteristic of the DEARE in NHP Exposed To 10 Or 11 Gy.”



Thomas MacVittie, PhD

► **Mark Rogers, PT, PhD, FAPTA**, Professor and Chair, Department of Physical Therapy & Rehabilitation Science,

GRANTS & CONTRACTS *continued*Mark Rogers, PhD, PT,  
FAFTA

received a five-year, \$750,000 Advanced Rehabilitation Research and Training (ARRT) grant from the National Institute on Disability, Independent Living, and Rehabilitation Research for “University of Maryland Advanced Neuromotor Rehabilitation Research Training.” This is a continuation of funding for the current postdoctoral training program.

► **Amit Sawant, PhD**, Associate Professor, Department of Radiation Oncology, has been awarded a National Cancer Institute (NCI)/NIH R01 award worth \$2,939,617 for “Investigating Radiation-Induced Injury to Airways and Pulmonary Vasculature in Lung SABR.”

Dr. Sawant also received a second R01 in August, worth \$1,752,497, again from the National Cancer Institute, for “Personalized Motion Management for Truly 4D Lung Stereotactic Body Radiotherapy.”

► **Henry Silverman, MD, MA**, Professor, Department of Medicine, received a five-year \$1,480,648 grant from the Fogarty International Center/NIH to continue his “Middle East Research Ethics Training Initiative.”

► **Zeljko Vujaskovic, MD, PhD**, Professor, and **Isabel Jackson, PhD**, Assistant Professor, both from the Department of Radiation Oncology, received a RTOR 1002 worth \$1,839,476 from the Biomedical Advanced Research and Development

Authority for “Establishment of a Rabbit Model of Ionizing Radiation-Induced Thrombocytopenia, Coagulopathies And Measures of Associated Vascular And Organ Injury.”



Henry Silverman, MD, MA



Amit Sawant, PhD



Zeljko Vujaskovic, MD, PhD

*Congratulations to the following who have received honors!*

► **Donna Hanes, MD**, Clinical Associate Professor, Department of Medicine, was appointed State Commissioner on Kidney Disease for a term of four years by the office of Governor Larry Hogan. Dr. Hanes was sworn in at a ceremony on August 12 at the Rockville Courthouse.



## APPOINTMENTS



*We applaud our colleagues on their recent appointments!*



Vasken Dilsizian, MD

► **Vasken Dilsizian, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was bestowed as a “Master” of the American Society of Nuclear Cardiology by the board of directors of the Society on September 24. The Masters designation is reserved for distinguished leaders in the field of nuclear cardiology, including those who have held senior leadership positions within the Society. He was recognized for this honor during the ASNC 2016 Plenary scientific session on September 24.

► **Andrea Meredith, PhD**, Associate Professor, Department of Physiology, has been re-elected to serve for a three-year term as a Councilor for The Society of General Physiologists. The Society was founded in 1946 to promote and disseminate knowledge in basic biological, chemical, or physical mechanisms of broad physiological significance, encompassing research on membrane transport and ion channels; membrane structure, regulation, and dynamics; and cellular contractility and molecular motors.



Andrea Meredith, PhD

## EVENTS, LECTURES

## & WORKSHOPS



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



Søren Bentzen, PhD, DMSc

► **Søren Bentzen, PhD, DMSc**, Professor, Department of Epidemiology & Public Health, delivered the keynote address “The Quest for Clinically Useful Biomarkers in Radiation Oncology” at the International Summit on Biomarkers and Therapeutic Advances in Radiation Oncology at McGill University in Montreal, Canada on June 22.

► **Colleen Hughes Driscoll, MD**, Assistant Professor, Department of Pediatrics, co-presented the webinar “Leveraging Clinical Communication and Collaboration Solutions to Improve Care

Delivery” on August 31.

► **Linda Horn, PT, DScPT, MHS, GCS, NCS**, Assistant Professor and Director of Academic Affairs, Department of Physical Therapy & Rehabilitation Science, taught a two-day continuing education course for physical and occupational therapists at Rush-Copley Hospital in Aurora, IL in September. The course title was “Optimizing Functional Mobility in the Older Adult.”

► **Joseph Lakowicz, PhD**, Professor, Department of Biochemistry and Molecular Biology was the Keynote Speaker in the 4th Annual Gilbert Ogonji Science Symposium on “Science, Technology and Innovation: For Sustainable Future in the Global Society,” held on September 22 at Coppin State University. The Symposium was designed to provide an innovative and comprehensive overview of the latest research developments in the areas of science, nanotechnology, human health and environment. Many distinguished professors, scientists, medical doctors, technologist, exhibitors and students will be presented in the form of plenary and technical sessions, poster, exhibit showcase, and science fair.

► **Benjamin Lawner, DO, MS, EMT-P**, Assistant Professor, Department of Emergency Medicine, and Deputy EMS Medical Director, Baltimore City Fire Department, was the guest on a recent Urgent Matters podcast produced at



Colleen Hughes Driscoll, MD

George Washington University. This interview series focuses on the interface between emergency medicine and public health. Dr. Lawner was interviewed by Jesse Pines, MD, MBA, Director of GWU’s Center for Health Care Quality and Assurance, on the topic of sobering centers and the role of emergency medical services in health care access. Their conversation can be heard at <http://smhs.gwu.edu/urgentmatters>.

► **Mary Kay Lobo, PhD**, Assistant Professor, Department of Anatomy & Neurobiology, presented on her IMHRO/Janssen Rising Star Translational Research Award proposal at the 22nd IMHRO Music Festival for Brain Health in Napa Valley, CA on September 17.

► **Thomas MacVittie, PhD**, Professor, Department of Radiation Oncology, presented an invited lecture on “Medical Countermeasures for the ARS: Evidence-Based Support And The FDA Animal Rule” on August 18 in the Radiation Emergency Assistance Center/Training Site’s Advanced Radiation Course in Oak Ridge, TN. On August 16, he presented “Space Radiation, Long-Term Missions: Effects On The CNS, Extrapolation To The Nonhuman Primate” at the National Council on Radiation Protection and Measurements in Rockville, MD.

► **Amal Mattu, MD**, Professor, Department of Emergency Medicine, was the keynote speaker at Emergency Cardiology Update 2016, held in Melbourne, Australia, on September 10 and 11. He presented lectures on the electrocardiographic indications of cardiac ischemia, ST-elevation myocardial infarction, wide and narrow complex dysrhythmias, heart block, and acute cardiac syndrome, as well as a review of recent cardiology articles, a case conference, and a concluding ECG quiz. The conference was designed for health care practitioners specializing in emergency medicine, general practitioners practicing in rural settings, and physicians seeking to refresh their expertise in emergency cardiology.

► **Emmanuel Mongodin, PhD**, Assistant Professor of Microbiology & Immunology, Institute for Genome Sciences, was an invited speaker at the University of Rochester School of Medicine and Dentistry on August 22, where he presented



Benjamin Lawner, DO, MS, EMT-P



Emmanuel Mongodin, PhD



## EVENTS, LECTURES & WORKSHOPS *continued*

“The Gut Microbiota: Implications for Immunity and Organ Transplant Outcome.”

► **Horea Rus, MD, PhD**, Professor, Department of Neurology, presented “Complement C5 Regulates TGF- $\beta$  and Response Gene to Complement -32 Expression in Experimental Autoimmune Encephalomyelitis” at the 2016 International Congress of Immunology, held in Melbourne, Australia, August 21–26.



Sue Hobbs

## IN MEMORIAM

► **Sue Hobbs**, Director of Research & Compliance, passed away on September 17 after a long illness. Sue spent more than 20 years in research administration at the School of Medicine, helping our scientists and clinicians secure millions in grants and contracts for their research. She is greatly missed by all who worked with her, especially her colleagues on the 14th floor of Bressler.

## COMMUNITY



## SERVICE

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

► Faculty (**Stella Hines, MD, MSPH**, Assistant Professor; **Patricia Gucer, PhD, MA**, Assistant Professor) and staff (**Tracy Roth, RN**) from the Division of Occupational & Environmental Medicine within the Department of Medicine participated in the CDC-NIOSH National N95/Respirator Day (<http://www.cdc.gov/niosh/npptl/n95day.html>) by hosting an outreach event for School of Medicine and UMMC healthcare workers on September 6. Activities included games and trivia focused on education about respiratory protection of healthcare workers from airborne hazards, an essential component to maintaining a healthy workforce. The UMMC Safety Program provided open hours for respirator fit-testing, and visitors to the outreach table won prizes, including day-passes to the campus gym, UMB URecFit.



Patricia Gucer, PhD, MA

## 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 Zhou

**Dermatology:** Betsy Satsosky

**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:** Monica Martinez

**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:**  
Evelyn 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

**Office of Faculty Affairs & Professional Development:**  
Robertha Simpson

**Office of Information Services:**  
Sharon Bowser

**Office of Public Affairs:**  
Caelie Haines

**Office of Research Career Development:** Stacie Small Mendoza

**Office of Research & Graduate Studies:** Terry Rogers

**Office of Student Affairs:**  
Dawn Roberts

**Office of Student Research:**  
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](http://medschool.umaryland.edu/Public_Affairs/buzz.asp)