

SELF-REPORTED NEWS *from the* SCHOOL OF MEDICINE COMMUNITY

Honors & Awards

Congratulations to the following who have received honors!

► **Omer Awan, MD, MPH**, Associate Professor, Department of Diagnostic Radiology & Nuclear Medicine, received the Educator Award sponsored by the Society for Imaging Informatics in Medicine (SIIM). The Educator Award is presented annually in recognition of outstanding contributions to imaging informatics education by a SIIM instructor or educator in the field.



Jason Falvey, PT, DPT,
PhD, GCS

► **Jason Falvey, PT, DPT, PhD, GCS**, Assistant Professor, Department of Physical Therapy & Rehabilitation Science, was recently awarded the “Health in Aging Foundation New Investigator Award” at the 2022 American Geriatrics Society’s (AGS) Annual Scientific Meeting, which was held in Orlando, FL, from May 12-14, 2022. The Health in Aging Foundation New Investigator Awards honor individuals whose original research reflects new insights in geriatrics

and a commitment to the discipline’s role in academia. Dr. Falvey also has been selected as the recipient of the Jack Walker Award presented by the American Physical Therapy Association (APTA) National Honors and Awards program, which celebrates outstanding achievements on the part of association members in the areas of overall accomplishment, education, practice and service, publications, research, and academic excellence. The Jack Walker Award honors an author or team whose published study in the *Physical Therapy & Rehabilitation Journal* presents novel and innovative research related to patient care and advance clinical science, as it pertains to the physical therapy profession. Dr. Falvey will be recognized and will receive his award in August 2022 at the APTA Honors and Awards Ceremony, which is held during the APTA House of Delegates.

Appointments

We applaud our colleagues on their recent appointments!



Maureen Black, PhD

► **Maureen Black, PhD**, Professor, Department of Pediatrics, was invited to join the Child Health Technical Tracking (CHAT) Technical Advisory Group (TAG). CHAT is organized by WHO and UNICEF with support from USAID. The goal is to provide advice to WHO and UNICEF on the harmonization and standardization of indicators of child health and well-being used by global initiatives such as the Sustainable Development Goal Framework, Nurturing Care Framework, etc.



Emerson Wickwire, PhD

► **Emerson Wickwire, PhD**, Professor, Departments of Psychiatry and Medicine, has been appointed to the Sleep Medicine Advisory Council of the American Board of Internal Medicine. Beginning in June 2022, he will serve an additional three-year term.

Grants & Contracts

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



Sally Adebamowo,
MBBS, MSc, ScD

► **Sally Adebamowo, MBBS, MSc, ScD**, Professor, Department of Epidemiology & Public Health, was awarded a four-year, \$792,000 grant from the American College of Surgeons (ACS) for “Using Machine Learning to Identify Small RNA (sRNA) Biomarkers and Classifiers for Cervical Precancer Triage.”

► **Jonathan Baghdadi, MD, PhD**, Assistant Professor, Department of Epidemiology & Public Health, was



Jonathan Baghdadi, MD, PhD

awarded a five-year, \$591,307 grant from the Agency for Healthcare Research and Quality for “Optimizing Implementation of Multiplex Molecular Panel Testing to Reduce Diagnostic Error.”

► **Surbhi Leekha, MBBS, MPH**, Associate Professor, Department of Epidemiology & Public Health, was awarded a two-year, \$46,607 grant from the Centers for Disease Control and Prevention (CDC) for “Carbapenem Resistant Enterobacterales Surveillance in Two Intensive Care Units in India (CRESCENT Study).”



Surbhi Leekha, MBBS,
MPH

Grants & Contracts

Continued



Bing Ma, PhD

► **Bing Ma, PhD**, Assistant Professor, Department of Microbiology & Immunology, Institute for Genome Sciences, received a five-year, \$1,931,250 grant from the National Institute for Aging and Infectious Diseases (NIAID) for “Mechanisms of Microbiome-Driven Cardiac Allograft Outcomes.”

► **Jacques Ravel, PhD**, Professor, Department of Microbiology & Immunology, Acting Director, Institute for Genome Sciences, received

a one-year, \$376,966 grant from the Bill & Melinda Foundation for “Characterization of the Vaginal Microbiome in Women in Rural Bangladesh.” Dr. Ravel, along with **Rebecca Brotman, PhD, MPH**, Professor, and **Michelle Shardell, PhD**, Professor, both with the Department of Epidemiology & Public Health and Institute for Genome Sciences, received a four-year, multi-PI, \$3,127,515 grant from the National Institute for Aging and Infectious Diseases (NIAID) for “Cervicovaginal Microbiome, Mucosal Immunity, and Pathogen Factors that Contribute to Spontaneous Clearance of Chlamydia trachomatis.” Dr. Shardell is a Co-I on this grant.



Jacques Ravel, PhD

► **Diane-Marie St. George, PhD**, Associate Professor, Department of Epidemiology & Public Health, was awarded a one-year, \$23,250 grant from Johns Hopkins Institute for Clinical and Translational Research (ICTR) for “Partnership to Conduct Youth Participatory Research in Disadvantaged Communities.”



Phuoc Tran, MD, PhD

► **Phuoc Tran, MD, PhD**, Professor, Department of Radiation Oncology, received a \$1,398,438 transfer from the Department of Defense for “Novel Biomarkers to Direct Stereotactic Ablative Radiotherapy in Castration-Sensitive Oligometastatic Prostate Cancer.”

► **Owen White, PhD**, Professor, Department of Epidemiology & Public Health, and Associate Director, Institute for Genome Sciences, received a five-year, \$7,316,569 award from The National Institute of Mental Health (NIMH) for “A BRAIN Initiative Resource: The Neuroscience Multi-omic Data Archive.” Dr. White also received an additional \$1,312,558, for the University of Maryland NIH Data Commons Facilitation Center to continue supporting the Common Fund Data Ecosystem that has been in operation for the last five years.



Owen White, PhD

Presentations

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



Cara Felter, PT, DPT, MPH, NCS, PCS

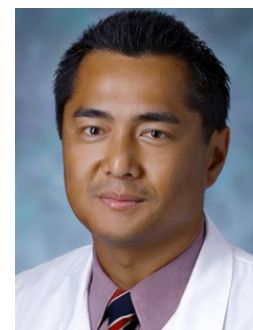
► **Cara Felter, PT, DPT, MPH, NCS, PCS**, Assistant Professor, Department of Physical Therapy & Rehabilitation Science, recently attended the American Educational Research Association’s annual meeting. The conference, which was held in San Diego, CA, from April 21-26, 2022, was entitled, “Cultivating Equitable Education Systems for the 21st Century.” Dr. Felter chaired an educational session entitled, “Well-Being and Emotional Development in Professions Education.” She also presented a paper co-authored by Lindsey Mathis, DPT, also with the Department of Physical Therapy & Rehabilitation Science, entitled, “Social Determinants of Learning: Representation and Opportunity to Promote Diversity Among Health Professions Students” and presented a poster co-authored by **Lindsey Mathis, DPT**, and **Afnan Gimie**, Research Study Coordinator, Department of Physical Therapy & Rehabilitation Science, about the impacts of social determinants of learning on Health Professions Education students.

► **Roy Film PT, DPT, OCS, FAAOMPT**, Assistant Professor, Department of Physical Therapy & Rehabilitation Science was an invited participant in a White House stakeholder meeting, on April 27, 2022, through the Office of National Drug Control Policy to discuss the national overdose epidemic.

► **Phuoc Tran, MD, PhD**, Professor, Department of Radiation Oncology, was a presenter and co-author on multiple research reports at the annual meeting of the American Society of Clinical Oncology, which was held June 3–7, 2022, in Chicago, IL. He was the first author of “Phase II, Double-Blind, Randomized Study of Salvage



Roy Film PT, DPT, OCS, FAAOMPT



Phuoc Tran, MD, PhD

Radiation Therapy (SRT) Plus Enzalutamide or Placebo for High-Risk PSA-Recurrent Prostate Cancer After Radical Prostatectomy: The SALV-ENZA Trial,” and was among the co-authors of “Prostate Cancer Risk in African American Men Evaluated Via Digital Histopathology Multi-Modal Deep Learning Models Developed on NRG Oncology Phase III Clinical Trials;” “Prostate-Specific Membrane Antigen PET Response Associates with Radiographic Progression-Free Survival Following Stereotactic Ablative Radiation Therapy In Oligometastatic Castration-Sensitive Prostate Cancer” (on which Lei Ren, PhD, also a professor in the Department of Radiation Oncology, was a coauthor); “Long-Term Outcomes and Genetic Predictors of Response to Metastasis-Directed Therapy Versus Observation in Oligometastatic Castration-Sensitive Prostate Cancer: A Pooled Analysis of the STOMP and ORIOLE Trials;” “A Phase III Double Blinded Study of Early Intervention After Radical Prostatectomy with Androgen Deprivation Therapy with Darolutamide Versus Placebo in Men at Highest Risk of Prostate Cancer Metastasis By Genomic Stratification (ERADICATE);” and “Prostate-Specific Membrane Antigen PET Response Associates with Radiographic Progression-Free Survival Following Stereotactic Ablative Radiation Therapy in Oligometastatic Castration-Sensitive Prostate Cancer.” At the same meeting, **Young Kwok, MD**, Professor, Department of Radiation Oncology, was among the authors of “A Phase II Study of Gemcitabine Plus Cisplatin Chemotherapy in Patients with Muscle-Invasive Bladder Cancer with Bladder Preservation for Those Patients Whose Tumors Harbor Deleterious DNA Damage Response (DDR) Gene Alterations (Alliance A031701).” All abstracts from the meeting are available in the June supplement to the *Journal of Clinical Oncology*.

Publications

Hats off to those who have been published!



Phuoc Tran, MD, PhD

► **Sally Adebamowo, MBBS, MSc, ScD**, Professor, Department of Epidemiology & Public Health, was among the co-authors of “Different Human Papillomavirus Types Share Early Natural History Transitions in Immunocompetent Women,” which was published in the *International Journal of Cancer* on May 23, 2022.

► **Jennifer Albrecht, PhD**, Associate Professor, Department of Epidemiology & Public Health, was among the co-authors of “Comparison Groups Matter in Traumatic Brain Injury Research: An Example with Dementia,” which was published in the *Journal of Neurotrauma* on May 25, 2022.

► **Omer Awan, MD, MPH**, Associate Professor, Department of Diagnostic Radiology & Nuclear Medicine, was the last author of “The Business of Medicine: Tips for Radiology Trainees,” which was published in the June 2022 issue of *Academic Radiology*. Separately, Dr. Awan was the last author of “Wellness and Nature: A Student Perspective,” which was published in the July 2022 issue of *Academic Radiology*.

► **Soren Bentzen, PhD, DMSc**, Professor, Department of Epidemiology & Public Health, was among the co-authors of “Radiation-Induced Toxicity Risks in Photon Versus Proton Therapy for Synchronous Bilateral Breast Cancer,” which was published in the Spring 2022 eCollection of *The International Journal of Particle Therapy*.

► **Maureen Black, PhD**, Professor, Department of Pediatrics, was a co-author on “Food Desert Status of Family Child Care Homes: Relationship to Young Children’s Food Quality,” which was published in the *International Journal of Environmental Research and Public Health* on May 24, 2022.

► **Rong Chen, PhD**, Associate Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors of “Striatal Direct Pathway Neurons Play Leading Roles in Accelerating Rotarod Motor Skill Learning,” which was published in the April 2022 issue of *iScience*.

► **Cynthia Czawlytko, MD**, PGY 5 and Junior Chief; **Elana Smith, MD**, Assistant Professor; **Omer Awan, MD, MPH**, Associate Professor; **Charles Resnik, MD**, Professor; and **Rydhwana Hossain, MD**, Assistant Professor, all from the Department of Diagnostic Radiology & Nuclear Medicine, were the authors of “The Effect of Virtual Interviews and Social Media on Applicant Decision-Making during The 2020-2021 Resident Match Cycle,” which was published in the June 2022 issue of *Academic Radiology*. Dr. Czawlytko was the first author and Dr. Hossain was the last author.



Jennifer Albrecht, PhD



Soren Bentzen, PhD, DMSc



Rong Chen, PhD



Joanne Dorgan, PhD, MPH

► **Joanne Dorgan, PhD, MPH**, Professor, Department of Epidemiology & Public Health, was among the co-authors of “Association between Use of Nutrition Labels and Risk of Chronic Kidney Disease: The Korean National Health and Nutrition Examination Survey (KNHANES) 2008-2019,” which was published in *Nutrients* on April 21, 2022.

► **Dheeraj Gandhi, MBBS**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors of “Impact of Collateral Flow on Cost-effectiveness of Endovascular Thrombectomy,” which was published in the April 2022 issue of the *Journal of Neurosurgery*. Epub ahead of print.



Daria Gaykalova, PhD

► **Daria Gaykalova, PhD**, Associate Professor, Department of Otorhinolaryngology - Head & Neck Surgery, Institute for Genome Sciences, was among the co-authors of “Epigenetic Regulations of Perineural Invasion in Head and Neck Squamous Cell Carcinoma,” which was published in *Frontiers in Genetics* on April 27, 2022.

► **Ann Gruber-Baldini, PhD**, Professor, Department of Epidemiology & Public Health, was among the co-authors of “Confirming Parkinson Disease Diagnosis: Patterns of Diagnostic Changes by Movement Disorder Specialists,” which was published in *Parkinson’s Disease* on May 9, 2022.



Linda Horn, PT, DScPT, MHS, GCS, NCS

► **Linda Horn, PT, DScPT, MHS, GCS, NCS**, Assistant Professor, and **Jill Whittall, PhD, FNAK**, Professor Emerita, both with the Department of Physical Therapy & Rehabilitation Science, are co-authors on the publication entitled, “Baseline Predictors of Response to Repetitive Task Practice in Chronic Stroke,” which was published in *Neurorehabilitation and Neural Repair* on May 26, 2022.

► **Kai Jiang, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Selective Kidney Targeting Increases the Efficacy of Mesenchymal Stromal/Stem Cells for Alleviation of Murine Stenotic-Kidney Senescence and Damage,” which was published in the June 2022 issue of *Journal of Tissue Engineering and Regenerative Medicine*.

► **Kimia Khalatbari Kani, MD**, Assistant Professor, and **Michael Mulligan, MD**, Clinical Professor, both with the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors of “Paraneoplastic Musculoskeletal Disorders: Review and Update for Radiologists,” which was published in *Skeletal Radiology* on May 23, 2022. Epub ahead of print.



Dheeraj Gandhi, MBBS



Ann Gruber-Baldini, PhD



Kai Jiang, PhD

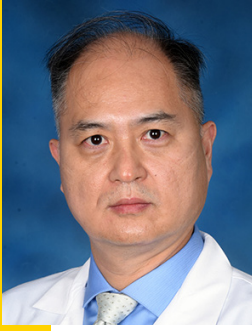


Maureen Black, PhD



Charles Resnik, MD

Publications Continued



Hyun Kim, MD, MHS

► **Hyun Kim, MD, MHS**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was the last author of “Microwave Ablation versus Stereotactic Body Radiotherapy for Stage I Non-Small Cell Lung Cancer: A Cost-Effectiveness Analysis,” which was published in the April 2022 issue of the *Journal of Vascular and Interventional Radiology*. Epub ahead of print.

► **Shenghan Lai, MD**, Professor, Department of Epidemiology & Public Health, was among the co-authors of “Deep Learning-based Atherosclerotic Coronary Plaque Segmentation on Coronary CT Angiography” and “Temporal Assessment of Lesion Morphology on Radiological Images beyond Lesion Volumes — a Proof-of-Principle Study,” which were published in *European Radiology* on May 7, 2022 and June 1, 2022, and “Myocardial ATP Depletion Detected Noninvasively Predicts Sudden Cardiac Death Risk in Heart Failure Patients,” which was published in *JCI Insight* on May 17, 2022.



Barton Lane, MD

► **Barton Lane, MD**, Assistant Professor, and **Jade Wong-You-Cheong, MD**, Professor, both with the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors of “PSA Density is Complementary to Prostate MP-MRI PI-RADS Scoring System for Risk Stratification of Clinically Significant Prostate Cancer,” which was published in *Prostate Cancer and Prostatic Diseases* on May 6, 2022. Epub ahead of print.

► **Victoria Marchese, PT, PhD**, Chair and the Jane Kroh Satterfield Professor of Physical Therapy and Rehabilitation Science; **Kelly Rock, PT, DPT**, PhD Candidate; and **Vicki L. Gray, MPT, PhD**, Assistant Professor; all with the Department of Physical Therapy & Rehabilitation Science, are co-authors on the publication entitled, “The Efficacy of Targeted Exercise on Gross Motor and Neuromuscular Performance in Survivors of Childhood Leukemia: A Pilot Study,” which was published in the Pediatric Oncology section of *Frontiers in Pediatrics* on May 11, 2022.



Victoria Marchese, PT, PhD

► **Mark Mishra, MD**, Associate Professor, Department of Radiation Oncology, was among the authors of “Low-Risk Meningioma: Initial Outcomes from NRG Oncology/RTOG 0539,” which was published on June 3, 2022 ahead of print in *Neuro-Oncology*.



Mark Mishra, MD

► **Jason Molitoris, MD, PhD**, Assistant Professor; **Matthew Ferris, MD**, Assistant Professor; **Zaker Rana, MD**, Assistant Professor; **Mark Mishra, MD**, Associate Professor; **Young Kwok, MD**, Professor; and **Phuoc Tran, MD, PhD**, Professor; all with the Department of Radiation Oncology, were among the authors of “Genomic Biomarkers to Guide Precision Radiotherapy in Prostate Cancer,” which was published in the August 2022 issue of *The Prostate*.



Jason Molitoris, MD, PhD

► **Andrew Neuwald, PhD**, Professor, Biochemistry & Molecular Biology, Institute for Genome Sciences, was first author of “SPARC: Structural Properties Associated with Residue Constraints,” which was published in *Computational and Structural Biotechnology* on April 7, 2022.



Andrew Neuwald, PhD



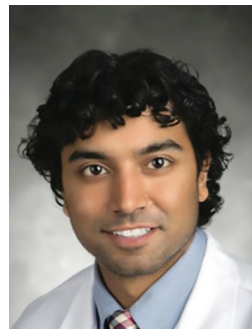
Denise Orwig, PhD

► **Denise Orwig, PhD**, Professor, Department of Epidemiology & Public Health, was among the co-authors of “Thigh Muscle Composition and its Relationship to Functional Recovery Post-hip Fracture Over Time and Between Sexes,” which was published in *The Journals of Gerontology: Series A, Biological Sciences and Medical Sciences*, on May 17, 2022.

► **Thomas Ptak, MD, PhD**, Associate Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors of “Characterizing Brain Perfusion in a Swine Model of Raised Intracranial Pressure,” which was published in the May 2022 issue of the *Journal of Surgical Research*. Epub ahead of print.



Thomas Ptak, MD, PhD



Zaker Rana, MD

► **Zaker Rana, MD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Burnout in Radiation Oncology Physician Workforce: The Effect of Mindfulness and Fulfillment,” which was published in *Advances in Radiation Oncology* on April 20, 2022.

► **Jacques Ravel, PhD**, Professor, Department of Microbiology & Immunology, Acting Director; **Rebecca Brotman, PhD, MPH**, Professor, Department of Epidemiology & Public Health; and **Michelle Shardell, PhD**, Professor, Department of Epidemiology, all from the Institute for Genome Sciences, were among the co-authors of “Douching Cessation and Molecular Bacterial Vaginosis: A Reanalysis of Archived Specimens,” which was published in *Sexually Transmitted Infections* on May 30, 2022.



Jacques Ravel, PhD



Dario Rodrigues, PhD

► **Dario Rodrigues, PhD**, Assistant Professor, Department of Radiation Oncology, was among the authors of “Review of Thermal and Physiological Properties of Human Breast Tissue,” which appeared in the May 20 issue of *Sensors (Basel)*.

► **Lynn Schriml, PhD**, Associate Professor, Department of Epidemiology & Public Health, Institute for Genome Sciences, was a first author of “A Decade of GigaScience: 10 years of the Evolving Genomic and Biomedical Standards Landscape,” which was published in *GigaScience* on May 17, 2022. Dr. Schriml was also among the co-authors of “A Community Approach to the Cancer-variant-interpretation Bottleneck,” which was published in *Nature Cancer* on May 3, 2022.



Lynn Schriml, PhD

► **Elana Smith, MD**, Assistant Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors of “Senior Authorship in Academic Radiology Journals: Roles, Responsibilities, and Rewards,” which was published in the June 2022 issue of *Academic Radiology*.



Hervé Tettelin, PhD

► **Hervé Tettelin, PhD**, Professor, Department of Microbiology & Immunology, Institute for Genome Sciences, and **Adonis D'Mello, PhD**, Bioinformatics Analyst II, Institute for Genome Sciences, were among the co-authors of "COVID-19 Vaccine Design using Reverse and Structural Vaccinology, Ontology-based Literature Mining and Machine Learning," which was published in *Briefings in Bioinformatics* on June 2, 2022.

► **Phuoc Tran, MD, PhD**, Professor, Department of Radiation Oncology, was among the authors of "Paving the Road to the Future of Chemoradiotherapy in Muscle-Invasive Bladder Cancer: 10-Year Follow-up of BC2001," which was published on May 28, 2022, ahead of print in *European Urology*.



Phuoc Tran, MD, PhD

► **Alexander Van Slyke, PhD**, Medical Physics Resident, Department of Radiation Oncology, was among the authors of "Improving the Efficiency of Small Animal 3D-Printed Compensator IMRT with Beamlet Intensity Total Variation Regularization," which was published on May 24, 2022, ahead of print in *Medical Physics*. He also was the first author of "Oxygen Monitoring in Model Solutions and In Vivo in Mice During Proton Irradiation at Conventional and FLASH Dose Rates," which was published on May 31, 2022, ahead of print in *Radiation Research*.



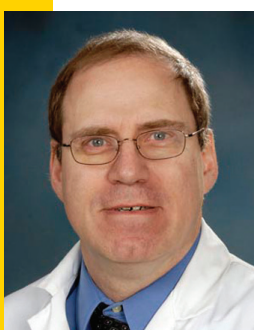
Alexander Van Slyke, PhD

► **Piotr Walczak, MD, PhD**, Professor, and **Mirosław Janowski, MD, PhD**, Associate Professor, both with the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors of "Cytocompatible Manganese Dioxide-based Hydrogel Nanoreactors for MRI Imaging," which was published in the December 2021 issue of *Materials Science and Engineering: C, Materials for Biological Applications*. Epub ahead of print.



Piotr Walczak, MD, PhD

► **Charles White, MD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was the last author of "Imaging to Differentiate between Lymphatic Plastic Bronchitis Subtypes in Adults," which was published in the April 2022 issue of *Radiology: Cardiothoracic Imaging*.



Charles White, MD

► **Emerson Wickwire, PhD**, Professor, Departments of Psychiatry and Medicine, was senior author of "Remote Clinical Research Operations During COVID-19: Lessons Learned and Recommendations," which was published in *SLEEP* on May 25, 2022.



Emerson Wickwire, PhD

► **Su Xu, PhD**, Professor, Department of Diagnostic Radiology & Nuclear Medicine, was among the co-authors of "Implementation of Minimally Invasive Brain Tumor Resection in Rodents for High Viability Tissue Collection," which was published in *Journal of Visualized Experiments: JOVE* on May 9, 2022.



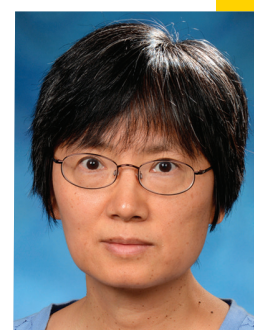
Su Xu, PhD



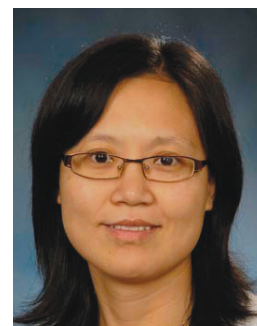
Paul Yi, MD

► **Paul Yi, MD**, Assistant Professor, Department of Diagnostic Radiology & Nuclear Medicine, was the last author of "Can Images Crowdsourced from the Internet be Used to Train Generalizable Joint Dislocation Deep Learning Algorithms?" which was published in the May 2022 issue of *Skeletal Radiology*. Epub ahead of print. Separately, he was the last author of "Detecting Total Hip Arthroplasty Dislocations Using Deep Learning: Clinical and Internet Validation," which was published in the May 2022 issue of *Emergency Radiology*. Epub ahead of print. Dr. Yi also was among the co-authors of "The Radiology: Artificial Intelligence Trainee Editorial Board: Initial Experience and Future Directions," which was published in the May 2022 issue of *Academic Radiology*. Epub ahead of print.

► **Min Zhan, PhD**, Associate Professor, and Hegang Chen, PhD, Professor, both with the Department of Epidemiology & Public Health, were among the co-authors of "Baseline Predictors of Response to Repetitive Task Practice in Chronic Stroke," which was published in *Neurorehabilitation and Neural Repair* on May 26, 2022.



Min Zhan, PhD



Jiachen Zhuo, PhD

► **Jiachen Zhuo, PhD**, Assistant Professor, and **Rao Gullapalli, PhD, MBA**, Professor, both with the Department of Diagnostic Radiology & Nuclear Medicine, were among the co-authors of "Evaluating the Impact of MR Image Harmonization on Thalamus Deep Network Segmentation," which was published in the February-March 2022 edition of the *Proceedings of SPIE--the International Society for Optical Engineering*.

Separately, Dr. Gullapalli was among the co-authors of "Tonic Pain Alters Functional Connectivity of the Descending Pain Modulatory Network Involving Amygdala, Periaqueductal Gray, Parabrachial Nucleus and Anterior Cingulate Cortex," which was published in the August 2022 issue of *Neuroimage* and "Brain Responses to Painful Electrical Stimuli and Cognitive Tasks Interact in the Precuneus, Posterior Cingulate Cortex, and Inferior Parietal Cortex and Do Not Vary Across the Menstrual Cycle," which was published in the May 2022 issue of *Brain and Behavior*. Epub ahead of print.



Tracy Hazen, PhD

► A collaborative study entitled "Comparative Genomics Identifies Features Associated with Methicillin-Resistant Staphylococcus Aureus (MRSA) Transmission in Hospital Setting," was published in *mSphere* on May 17, 2022. The team included **Timileyin Adedrian, PhD**, MPH/PhD student, **Lyndsay M O'Hara, PhD**, Assistant Professor, and **Anthony Harris, MD, MPH**, Professor, from the Department of Epidemiology and Public Health, **J Kristie Johnson, PhD**, Professor, with the Department of Pathology, as well as **Tracy Hazen, PhD**, Assistant Professor, Department of Microbiology and Immunology, **Jane Michalski, MSc**, Laboratory Manager, Rasko Laboratory, and **David Rasko, PhD**, Professor, with the Department of Microbiology & Immunology, Institute for Genome Sciences.



David Rasko, PhD

Community Outreach

The Department of Radiation Oncology has launched a Twitter account to share important department and academic news and announcements. The account can be followed at: @UMarylandRadOnc.

HOW TO SUBMIT INFORMATION TO THE *Buzz*

If you would like to acknowledge an award, presentation, publication, or other noteworthy accomplishments, please send the information to the liaison within your department, program, center or office.

OR

You may submit your *Buzz* items online:
<https://umbforms.wufoo.com/forms/z150ub5x10bz167/>

Research Communications Network

Many thanks to the following who serve as your liaison for the information you see in 'What's the Buzz?'

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- **Institute of Human Virology (IHV):**
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- **Institute for Clinical & Translational Research (ICTR):** Meriem Gaval Cruz
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