

RADIOLOGY RESEARCH UPDATE *November 2023, Issue 28*

Department of Diagnostic Radiology and Nuclear Medicine

A FOND FAREWELL



Family, friends and colleagues gathered on October 11th to remember **Rao Gullapalli** and the significant impact he had on the department, the institution and on science. A book of remembrance was presented to Rao's family. A copy of the book is available to view; please contact Jiachen Zhuo for more information.

GRANTS



Kevin Kim, MD, MHS was awarded a five-year, \$2,455,000 grant from AstraZeneca to conduct a clinical trial to study "Concurrently with Transarterial Chemoembolization (TACE) Compared to TACE Alone in Patients with Locoregional Hepatocellular Carcinoma (EMERALD-3)."



David Dreizin, MD was awarded a four-year, \$1,256,982 NIH R01 grant to study "Human-centered CT-based CADx Tools for Traumatic Torso Hemorrhage."



Sui-Seng Tee, PhD, along with Jun Seok Son, PhD, from the Department of Obstetrics, Gynecology and Reproductive Sciences, were awarded a three-year, \$618,000 NIH R21 grant to study "Longitudinal Imaging of Maternal Exercise and Exerkine Effects on Offspring Metabolism." Also, Dr. Tee was awarded \$50,000 in the Catalyst Phase of the National Academy of Medicine's Healthy Longevity Global Competition for "The Liver Protects Against Aging-Related Dementia."



Co-PIs **Dirk Mayer, Dr rer nat and Miroslaw Janowski, MD, PhD** were awarded a two- year, \$424,875 NIH R21 grant to study “Hyperpolarized 13C Metabolic Imaging in an Endovascular Swine Model of Ischemic Stroke.”



Hangfan Liu, PhD was named one of seven fellows of the 2023 Inaugural Cohort of the William H. Gates Sr. Fellowship from the

Alzheimer’s Disease Data Initiative, which was established to support a new generation of researchers who have novel approaches to end Alzheimer’s disease and related dementias. Dr. Lui received \$100,000 to study innovative applications of machine learning and image processing in order to advance personalized treatment strategies.

KUDOS

Ze Wang, PhD received the 2023 Distinguished Investigator Award from the Academy for Radiology & Biomedical Imaging Research. This prestigious honor recognizes individuals for their outstanding contributions to the field of medical imaging.

Omer Awan, MD, MPH moderated a panel discussing “Rebuilding Trust: Combating Misinformation in the Digital Age” at the Milken Institute Future of Health Summit that was held in November. Also, Dr. Awan was named a “Top Doctor” in the November 2023 issue of *Baltimore* magazine.

CHANGES TO PEER REVIEW FRAMEWORK FOR NIH GRANTS

NIH announced a simplified peer review framework for NIH research project grant applications that will take effect January 25, 2025. More details are expected to be released in mid-2024.

The main changes reorganize the five regulatory criteria (Significance, Investigators, Innovation, Approach, Environment) into three factors – two will receive numerical criterion scores and one will be evaluated for sufficiency. All three factors will be considered in arriving at the overall impact score. The reframing of the criteria serves to focus reviewers on three central questions they should be evaluating:

Factor 1: Importance of the Research (Significance, Innovation), scored 1-9

Factor 2: Rigor and Feasibility (Approach), scored 1-9

Factor 3: Expertise and Resources (Investigator, Environment), to be evaluated with a selection from a drop-down menu.

See: [Simplified Peer Review Framework | grants.nih.gov](https://grants.nih.gov/framework)