



NEURO

RESEARCH DAY

Friday, April 5, 2024
Weiskotten Hall
Room 2231

Program

- 7:45 am** Light Breakfast
- 8:10 am** Welcome, Opening Remarks
Daniel Ts'o, PhD, Associate Professor, Neurosurgery
- 8:15 am** Afua Addo, Zhao Lab, Neurosurgery, *"Transcriptional Analysis of SCF+G-CSF-Treated APP/PS1 Mice Reveals New Immunomodulatory Mechanisms of Reduced Neuropathology"*
- 8:30 am** Songruo Li, Zhao Lab, Neurosurgery *"Mechanistic Determination of Hematopoietic Growth Factor-Promoted Proliferation and Differentiation of Oligodendrocyte Progenitor Cells"*
- 8:45 am** Nneka F. Onwumere, Zhao Lab, Neurosurgery *"Identification of Transcriptome Modification In CD11b+ Cells After SCF + G-CSF Treatment in Chronic Severe Traumatic Brain Injury"*
- 9:00 am** Margaret Lovier, MPH, Zhao Lab, Neurosurgery, *"A Supportive Enriched Environment Improves Neurological Function Recovery of Chronic Severe TBI in a Murine Model"*
- 9:15 am** Break
- 9:30 am** Brandon Wilkinson, MD, Resident, Neurosurgery, *"Sarcopenia Predicts the Development of Early Adjacent Segment Disease Following Lumbar Interbody Fusion"*
- 9:45 am** Alexander Braley, MD, Resident, Neurosurgery, *"Advancing Indications for Neurosurgical Intervention"*
- 10:00 am** Mariano Viapiano, PhD, Neurosurgery, *"Targeting Scaffolding Proteins to Disrupt Radioresistance in Glioblastoma"*
- 10:15 am** Daniel Tso, PhD, Neurosurgery, *"Short-term Monocular Deprivation: Shifts in Cortical Functional Connectivity"*
- 10:30 am** Break
- 10:45 am** William Zeiger, MD, PhD, Assistant Professor of Neurology, University of California, Los Angeles
"Mechanisms of Circuit Plasticity in the Healthy and Injured Somatosensory Cortex"
- 11:45 am** Break
- 11:55 am** Bradley Lega, MD, Associate Professor of Neurological Surgery, UT Southwestern Medical Center
"Multimodal Characterization of Human Episodic Memory Circuits"
- 12:55 pm** Lunch Break
- 2:00 pm** Ali Razavi, Student, Hess Lab, Neuroscience/Psychiatry, *"Unlocking Alzheimer's Disease Drug Repurposing Candidates Through Artificial Intelligence"*
- 2:15 pm** Jaclyn Ritterhaus, Student, Hu Lab, Neuroscience, *"Evaluating the Mechanistic Linkage Between Retinitis Pigmentosa 25 and 76"*
- 2:30 pm** Camille Chin, Student, Ganapathy Lab, Neuroscience/Ophthalmology, *"Investigating Mechanisms of Nuclear Mechanosensation in Optic Nerve Head Astrocytes"*
- 2:45 pm** Break
- 3:00 pm** Monica Vetter, PhD, Professor and Chair of Neurobiology, University of Utah
"Pathways for Generation and Elimination of Retinal Neurons"
- 4:00 pm** Closing Remarks