

Brain Injury and Dementia Symposium

Wednesday, February 8, 2023

Register now to attend

8:45 - 9:00

Section I

9:00 - 9:20

Opening

Vascular dementia/AD - Basic Research (Chair: James Malter, MD)

Shan-Ping Yu, MD., PhD. (Emory University School of Medicine)

Title: Acute and chronic excitotoxicity in stroke and Alzheimer's disease

9:20 - 9:40

Shaohua Yang, MD., PhD. (University of North Texas Health Science Center)

Title: Vascular contribution to AD/ADRD

9:40 - 10:00

Joachim Herz, PhD (UTSW)

Title: Mitigating ApoE4 risk in Alzheimer's disease

10:00 - 10:20

Hasan Zaki, PhD (UTSW)

Title: Critical roles of dietary simple sugar in Alzheimer's disease pathogenesis

10:20 - 10:40

Coffee Break

Section II

Stroke - Basic Research (Chair: Yingfei Wang & Shaohua Yang, PhD)

10:40 - 11:00

John H. Zhang, MD., PhD. (Loma Linda University)

Title: Delayed recanalization and liver factor protection

11:00 - 11:20

Xiaoying Wang, MD, PhD. (Tulane School of Medicine)

Title: Metabolic modulation for improving tPA thrombolytic reperfusion therapy of ischemic stroke.

11:20 - 11:40

Xiangming Zha, PhD. (University of Missouri-Kansas City)

Title: GPR68-dependent acid signaling leads to neuroprotection in brain ischemia

11:40 - 12:00

Yao Yao, PhD. (University of South Florida)

Title: Fibroblasts repair blood-brain barrier damage and hemorrhagic brain injury via TIMP2

12:00 - 13:30

Lunch

Section III

Brain injury/dementia mechanism and therapy- Basic Research (Chair: William T Dauer, MD)

13:30 - 13:50

Peter Douglas, PhD (UTSW)

Title: Neuronal adaption to mechanical stress via altered dopamine homeostasis

13:50 - 14:10

Yingfei Wang, PhD (UTSW)

Title: AIF3 splicing triggers mitochondrial dysfunction and neurodegeneration after brain injury

14:10 - 14:30

Chun-Li Zhang, PhD (UTSW)

Title: In vivo reprogramming of brain astrocytes for neurogenesis

14:30 - 14:50

Lorena Saelices Gomez, PhD (UTSW)

Title: Structural and molecular study of the neuroprotection of transthyretin over amyloid-beta aggregation

14:50 - 15:10

Coffee Break

Section IV

Clinical Brain Injury Research (Chair: Mark Johnson, MD)

15:10 - 15:30

Wayne Feng, MD., MS (Duke University)

Title: Transcranial direct current stimulation for post-stroke motor recovery-from phase 1 to an ongoing multi-center phase 2 study

15:30 - 15:50

Ty Shang, MD., PhD (UTSW)

Title: Neurovascular inflammation and white matter disease

15:50 - 16:10

C. Munro Cullum, PhD (UTSW) & **Nyaz Didehbani, PhD** (UTSW)

Title: Short- and long-term cognitive outcomes following concussion

16:10 - 16:15

Closing

16:15 - 16:45

Social time



Sponsored by

UT Southwestern Department of Pathology
Peter O'Donnell Jr. Brain Institute

Organized by

Yingfei Wang, PhD
Shaohua Yang, PhD
UTSW Stroke Team

Symposium Location

UT Southwestern Medical Center
6001 Forest Park Road
T. Boone Pickens Auditorium (NG3.112)
Dallas 75235, United States