

Combined Retreat of Neurodegeneration T32 and the Research Education Component (REC) and Translational Therapeutic Core (TTC) of Cleveland Alzheimer's disease Research Center (CADRC)

Thursday, August 17, 2023

**University Squire Valleevue Farm
The November Meeting Center (formerly the Sheep Barn)
37125 Fairmount Boulevard, Hunting Valley, OH 44022
<https://students.case.edu/farm/about/location.html>**

8:30 am	Registration and Continental Breakfast	
New Trainers' Presentation		
9:00-9:05 am	Welcome and Opening Remarks	Xiongwei Zhu, PhD Director, NINDS T32 Training in Neurodegenerative Diseases, Director, NIH CADRC REC
9:05-9:30 am	Masashi Tabuchi, PHD Assistant Professor of Neuroscience CWRU	Dynamical instability of the brain shaped by aging and neurodegeneration
9:30-9:55 am	Antoine Louveau, PHD Assistant Professor of Neuroscience CCF	Balanced integrin regulation of blood brain barrier function in Alzheimer's disease
T32 Trainee Presentations and Feedback on Individual Mentored Clinical Rotations		
9:55-10:10 am	Raza Haider Y6 Trainee	The interplay of hydrophobic and electrostatic forces governs LLPS of phosphomimetic TDP-43 Mentor: Wiltold Surewicz, PhD Clinical Mentor: Alan Lerner, MD
10:10-10:25 am	Curran Landry Y8 and Y9 Trainee	Energy Imbalance and Impaired Stress Response in ALS Type VIII Motor Neurons Mentor: Helen Miranda, PhD Clinical Mentor: Basher Katirji, MD
10:25-10:40 am	Emily Arzola Y8 and Y9 Trainee	Role of Lrp4+ Astrocytes in the Cortex Mentor: Wen-cheng Xiong PhD Clinical Mentor: James Leverenz, MD
10:40-10:55 am	Jesse Zhan Y9 and Y10 trainee	The Circadian Clock Regulates Oligodendrocyte Maturation Mentor: Paul Tesar, PhD Clinical Mentor: Michael Millstein, MD
10:55-11:15 am	Coffee BREAK	
Cleveland Alzheimer Disease Research Center Research Education Component (REC) Participants Presentations		
11:15-11:30 am	Ann Nguyen	Social Isolation and Cognitive Status among Black Americans
11:30-11:45 pm	Tian Liu	Mitochondrial CHCHD10 in Tauopathy in Alzheimer's Disease
11:45-12:00 pm	Ajay Nemani	Towards a cohesive view of network degeneration in AD
12:00-12:15 pm	Wasiu Balogun	The Role of Dual Leucine Zipper Kinase in Complement Activation in a Model of Tauopathy
12:15-1:15pm	Lunch BREAK	
CADRC Development Project		
1:15-1:20 pm	James Leverenz, MD Director, CADRC	Introduction of the CADRC Development Project Program
1:20-1:45 pm	Aaron Burberry, PhD, Assistant Professor, Department of Pathology, CWRU	New insights into microbial contributions to neural inflammation
Cleveland Alzheimer Disease Research Center Translational Therapeutic Core (TTC)-Supported Research		
1:45-1:50 pm	Andrew Pieper, MD/PHD Director, CADRC TTC	Introduction of TTC Scholar Program
1:50-2:15 pm	Ashleigh Schaffer	RNA processing factors in Alzheimer's disease
2:15-2:30 pm	Coffee Break	

Keynote Speech

2:30-3:30 pm	Benjamin Wolozin, M.D., Ph.D. Professor, Dept. Of Pharmacology, Physiology and Biophysics Dept. of Neurology Center for Systems Neuroscience and Center for Neurophotonics Boston University Chobanian & Avedisian School of Medicine	Mechanisms of Neurodegeneration in Alzheimer's disease: Tau, the translational stress response and the epitranscriptome
3:30 pm	Discussion/Wrap-Up	Xiongwei Zhu, PhD
3:30 pm	Brief Discussion	T32 Steering Committee, REC/TTC directors and Invited Speaker

Note: Must clean/vacate the building by 5 pm