Mini-BACE1 and γ-secretase Symposium
July 26, 2022

At the University of Connecticut School of Medicine
Farmington, Connecticut

Organizer: Riqiang Yan

9:30AM - 10:15AM

Robert Vassar (Northwestern University School of Medicine)

"The case for low-level BACE1 inhibition for the prevention of Alzheimer's disease"

10:15AM - 11:00AM

Stefan Lichtenthaler (German Center for Neurodegenerative Diseases (DZNE) (German Center for Neurodegenerative Diseases (DZNE) Munich/Technical University of Munich

"Physiological substrates of BACE proteases: biomarkers or safety concerns for Alzheimer drug trials?"

11:00 - 11:15AM **Coffee Break**

11:15AM - 12:00PM

Giuseppina Tesco (Tufts University School of Medicine)

"Modulation vs inhibition of BACE1 for the treatment of AD"

12:00PM – 12:30PM

Matthew Kennedy (Merck Pharmaceutical Company)

Findings from Merck's Phase 3 trials of Verubecestat in Alzheimer's disease

12:30 - 1:00PM Lunch break

1:00PM – 1:45PM

Yue-Ming Li (Memorial Sloan Kettering Institute)

"γ-secretase modulatory proteins and their impacts on AD therapeutic development"

1: 45PM – 2:10PM

Neeraj Singh (University of Connecticut School of Medicine)

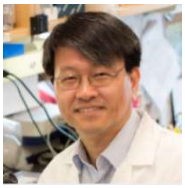
"BACE1 regulates transition of homeostatic microglia to more phagocytic DAM-1 signature"

Short Break: 2:10PM – 2:20PM

2:20PM – 2:45PM

John Zhou (University of Connecticut School of Medicine)

"***BACE1 controls astrocytic expression of CXCL14 and Clu for enhancing amyloid clearance"***



2:45PM - 3:15PM

Jaehong Suh, Ph.D. (Mass General Institute for Neurodegenerative Disease, MGH)

"Reduction of BACE1 expression attenuates motor deficits and neuropathology of spinocerebellar ataxia type 1 (SCA1) mice"

3:15PM - 3:40 PM

Brati Das (University of Connecticut School of Medicine)

"Modulating mGluR1 for reversing synaptic impairments associated with BACE1 inhibition"

3:40PM – 4:10PM

Xiangyou Hu (University of Connecticut School of Medicine)

"BACE1 deletion reverses epileptiform activity and sleep-wake disturbance in AD mice models"