Day One, Monday, Oct 10

8:30 - 8:45 Welcome remarks
ISMND 2022 Organizing Committee and the BrightFocus Foundation

8:45 - 10:35 Session I: GLIAL CONTRIBUTIONS TO NEURODEGENERATION FROM CLINICAL AND NEUROPATHOLOGICAL PERSPECTIVES
Chair: Guojun Bu, Molecular Neurodegeneration, USA

8:45 - 9:05 Microglia activation in Alzheimer’s disease from a neuropathological perspective
Jeroen Hoozemans, VUmc, The Netherlands

9:05 - 9:25 Neuropathologic spectrum of neuroglial tauopathies
Dennis Dickson, Mayo Clinic, USA

9:25 - 9:45 Multimodal molecular imaging to investigate neurodegenerative diseases (tentative)
Agneta Nordberg, Karolinska Institute

9:45 - 10:05 Identification and validation of pathways and clinical biomarkers for the three major dementias by an optimised CSF and blood proteomics workflow
Charlotte Teunissen, Amsterdam UMC, The Netherlands

10:05 - 10:25 Neuronal basis of sleep disturbances in neurodegenerative diseases: clinical, diagnostic and therapeutic implications
Lea Grinberg, UCSF, USA

10:25 - 10:50 Coffee break/Exhibits

10:50 - 12:30 Session II: GLIAL MECHANISMS OF NEURODEGENERATION
Chair: Robert Vassar, Northwestern University, USA

10:50 - 11:10 Lysosomal regulation of glial function and immune activation
Hui Zheng, Baylor College of Medicine, USA

11:10 - 11:30 Reactive astrocytes as the cause of Alzheimer’s disease
Justin Lee, Institute for Basic Science, South Korea
11:30 - 11:50  Targeting maladaptive immune response for AD and tauopathy (tentative)
Li Gan, Well Cornell School of Medicine, USA

11:50 - 12:10  Target BACE1 inhibition in glial cells for AD
Riqiang Yan, University of Connecticut, USA

12:10 - 12:30  Plasticity and dynamics of brain macrophages: from homeostasis to disease and back
Kiavash Movahedi, Vrije Universiteit Brussels, Belgium

12:30 - 14:00  Lunch / Exhibits

14:00 - 15:20  Session III: ROLE of APOE IN NEURODEGENERATION
Chair: Riqiang Yan, University of Connecticut, USA

14:00 - 14:20  ApoE in AD: Lessons from common and rare variants
Guojun Bu, Molecular Neurodegeneration, USA

14:20 - 14:40  Role of APOE, microglia, and the immune response in tau mediated neurodegeneration
David Holtzman, Washington University in St Louis, USA

14:40 - 15:00  Translational lessons on apoE
Henrietta Nielsen, Stockholm University, Sweden

15:00 - 15:20  Lipoprotein inflammatory pathways that influence neurodegenerative pathology
John Fryer, Mayo Clinic Arizona, USA

15:20 - 15:50  Coffee break / Exhibits

15:50 - 16:50  SHORT TALK I: BrightFocus Foundation Early Career Investigator Session
Chair: Sharyn Rossi, BrightFocus Foundation, USA

Six short talks of 10 min each selected from BrightFocus trainees

16:50 - 17:00  Break

17:00 - 18:00  SHORT TALK II
Chair: Hongmei Li, Mayo Clinic, USA

Six short talks of 10 min each selected from submitted abstracts

18:00 - 19:30  POSTER SESSION 1 and WELCOME RECEPTION