MONDAY, MAY 15
Arrival and Registration

TUESDAY, MAY 16
Keynote Session (Joint)
Michelle Monje, Stanford University, USA
Neuron-Glia Interactions in Health and Disease
Huda Y. Zoghbi, HHMI/Baylor College of Medicine, USA
Genetic Basis of Neurodegenerative Diseases

Neuroimmune Interactions (Joint)
Jonathan Kipnis, Washington University School of Medicine, USA
Meningeal Lymphatics in Neurological Diseases
Li Gan, Weill Cornell Medicine, USA
Regulation of Neuroimmune Interactions by Alzheimer's Genetic Risk Factors and Sex

Short Talks Chosen from Abstracts

Workshop (Z4)
Short Talks Chosen from Abstracts

Workshop 1: Emerging Topics in Neuroimmunology (Z3)
Short Talks Chosen from Abstracts

Dys-Regulation of Metabolic Pathways in Neurodegeneration (Z4)
Valina L. Dawson, Johns Hopkins University School of Medicine, USA
Metabolic Changes in Parkinson's Disease
Jaime Grutzendler, Yale School of Medicine, USA
Uncovering Cellular Mechanisms of Neurodegeneration One Image at a Time
Gilbert Di Paolo, Denali Therapeutics Inc., USA
Targeting Metabolic Pathways to Treat Neurodegenerative Disorders

Short Talks Chosen from Abstracts

Adaptive Immunity (Z3)
David Gate, Northwestern University, USA
T Cells in Neurodegeneration
Daniel S. Reich, NINDS, National Institutes of Health, USA
Lymphocyte-Microglia Axis and Translational Neuroimmunology
David A. Hafler, Yale University School of Medicine, USA
Immune Cells in the CNS

Short Talks Chosen from Abstracts

Poster Session 1

WEDNESDAY, MAY 17
Cellular Pathways Disrupted in Neurodegeneration (Z4)
Aaron D. Gitter, Stanford University School of Medicine, USA
Expanding Mechanisms and Therapeutic Targets for ALS
Virginia M. Y. Lee, University of Pennsylvania School of Medicine, USA
Protein Aggregation in Neurodegenerative Diseases
Yadong Huang, Gladstone Institutes/UCSF, USA
ApoE4 in Neuronal Toxicity
Clotilde Lagier-Tourenne, Massachusetts General Hospital, USA
Disruption of RNA Metabolism in Neurological Diseases and Therapeutic Interventions

Short Talks Chosen from Abstracts

Emerging Technologies (Z3)
Francisco J. Quintana, Harvard Medical School and the Broad Institute of MIT and Harvard, USA
Tracing Single-Cell Interactions in Neuroinflammation
Naomi Habib, Hebrew University of Jerusalem, Israel
Multi-Omics Integration to Understand Cognitive Resilience with Aging
Alex Marson, University of California, San Francisco, USA
Cellular Immunotherapy and Genome Engineering with CRISPR
Fredrik C. Kamme, Ionis Pharmaceuticals, USA
Oligonucleotide Therapeutics in Neuroinflammation

Short Talks Chosen from Abstracts

Workshop 2: Emerging Topics in Neuroimmunology (Z3)
Short Talks Chosen from Abstracts

Human Genetics Guided Biomarker Identification in Neurodegenerative Diseases (Z4)
Henne Holstege†, Amsterdam UMC, Netherlands
Talk Title to be Announced
Leonard Petrucelli, Mayo Clinic Jacksonville, USA
Diagnostic and Therapeutic Biomarkers of FTD and ALS
Tracy Yuen, Genentech, Inc., USA
Targeting Glial Biology to Promote Remyelination in Neurodegenerative Diseases

Short Talks Chosen from Abstracts

The Brain as an Immune Organ (Z3)
Asya Rolls, Technion-Israel Institute of Technology, Israel
Brain-Body Interactions

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maria lehtinen, harvard medical school, usa

immunity and inflammation at the choroid plexus

menna clatworthy, university of cambridge, uk

adaptive immunity in gut-brain interaction

short talks chosen from abstracts

poster session 2

thursday, may 18

novel approaches to identify therapeutic targets of neurodegenerative diseases (z4)

don w. cleveland, university of california, san diego, usa

targeting astrocytes to treat neurodegeneration

michael t. heneka, university of luxembourg, luxembourg

targeting neuroinflammation for intervention of neurodegenerative diseases

goñalo castelo-branco, karolinska institutet, sweden

single-cell and spatial omics of oligodendroglia in health and disease

priyanka narayan, national institute of health, usa

dysregulation of endocytic trafficking in neurodegeneration

short talks chosen from abstracts

neuroimmune aging and regeneration (z3)

tony wyss-coray, stanford university school of medicine, usa

circulatory factors as reporters of brain aging and rejuvenation

maria mittelbrunn, centro de biologia molecular severo ochoa, spain

immunometabolomics and inflammation in aging

veronique miron, university of edinburgh, uk

immune mechanisms of remyelination

aron rosenthal, alector, usa

harnessing the brain's immune system to treat neurodegeneration

short talks chosen from abstracts

future directions of therapeutic interventions (z4)

azad bonni, roche, switzerland

drug development for neurodegenerative diseases: challenges and opportunities

hien t. zhao, ionis pharmaceuticals, usa

antisense oligonucleotides for the treatment of neurodegenerative diseases

mihaly hajos, cognito therapeutics, inc., usa

non-invasive sensory stimulation at gamma frequency to treat alzheimer's dementia

short talks chosen from abstracts

neuroimmune responses at the neurovascular interface (z3)

katerina akassoglou, university of california, san francisco, usa

the immunology of blood: unlocking drivers of neurodegeneration

dorian b. mcgavern, nindns, national institutes of health, usa

neuroimmune mechanisms in brain injury

joy yu zuchero, denali therapeutics inc, usa

therapeutics across the bbb

paul m. matthews, imperial college london, uk

clinical imaging of bbb disruption and neuroinflammation

short talks chosen from abstracts

poster session 3

friday, may 19

profiling of neurodegeneration using next generation technologies (z4)

marco prinz, university of freiburg, germany

new insights into cns-associated macrophages

dominic m. walsh, biogen inc., usa

deep sequencing of als tissues

martin kampmann, university of california, san francisco, usa

crispr-based functional genomic approaches to neurological disorders

li-huei tsai, massachusetts institute of technology, usa

uncovering the role of alzheimer's disease risk genes using stem cells and human brains

short talks chosen from abstracts

neuroimmune activation of neuronal circuits (z3)

ukpong bassey eyo, university of virginia, usa

microglia and neuronal activity

baljit s. khakh, david geffen school of medicine, ucla, usa

astrocytes and functional connectivity

anna victoria molofsky, university of california, san francisco, usa

microglia and synapse plasticity

short talks chosen from abstracts

workshop 3: emerging topics in neuroimmunology (z3)

short talks chosen from abstracts

new model system to studying neurodegeneration (z4)

sally temple, neural stem cell institute, usa

modeling taopathies in vitro

hideyuki okano, keio university school of medicine, japan

using human stem cells to model als

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Tracy L. Young-Pearse, Brigham and Women's Hospital and Harvard Medical School, USA
*Using Human IPS Cells to Model Aging and Dementia*

**Short Talks Chosen from Abstracts**

**Bench to Bedside and Back: Therapeutics in Neuroinflammation and Neurorepair (Z3)**

Nathalie Franchimont, Biogen, USA
*Lessons Learned from Clinical Development in Neuroinflammation with a Focus on Multiple Sclerosis*

Peter A. Calabresi, Johns Hopkins Hospital, USA
*Lessons Learned from Clinical Development in Neurorepair and Remyelination*

Speaker to be Announced

**Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (Z4)**

**Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (Z3)**

**SATURDAY, MAY 20**

**Departure**

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