

Saturday October 3

- 3:15 pm Coffee, tea, and soft drinks *Lakes Room
Park Place Hotel*
- 4:00 pm **SESSION 1 – STEM CELLS & NEURODEGENERATIVE DISEASE** *Lakes Room
Park Place Hotel*
Organizer: Robert Miller (Case Western Reserve University)
Stem cells and neurodegenerative disease
Robert Miller (Case Western Reserve University)
A growing role for cells of the astroglial lineage in disease and therapy
Chris Proschel (University of Rochester)
Capillary pericytes: a source of adult pluripotent stem cells that express embryonic antigens
Paula Dore Duffy (Wayne State University)
Function of adult hippocampal neurogenesis in the intact and epileptic brain
Jack Parent (University of Michigan)
- 6:00 pm **OPENING RECEPTION** *Park Place Hotel*
- 7:00 pm **DINNER** *Park Place Hotel*
- 9:00 pm **POSTER & REFRESHMENT SESSION** *Courtyards Room
Park Place Hotel*

Sunday October 4

- 8:00 am **BREAKFAST** *Top of the Park
Park Place Hotel*
- 8:45 am **KEYNOTE SPEAKER –** *Lakes Room
Park Place Hotel*
Maiken Nedergaard (University of Rochester)
“Astrocytes Alive!”
- 9:45 am **BREAK**

Sunday October 4 (cont.)

10:00 am SESSION 2 – NEURODEGENERATION & ASTROCYTES

**Lakes Room
Park Place Hotel**

Organizer: Mary Jo LaDu (University of Illinois at Chicago)

Microtubule motors and Alzheimer-related neurite dystrophy
Sue Griffin (University of Arkansas for Medical Sciences)

CD 14 and Toll like receptors 2 and 4 transduce fibrillar Ab-induced signaling
cascades mediating microglial activation
Gary Landreth (Case Western Reserve University)

Astrocyte derived chemokine MCP1 is neuroprotective
Doug Feinstein (University of Illinois at Chicago)

Role of p38 MAPK in glia proinflammatory cytokine up-regulation
Linda Van Eldik (Northwestern University)

12:00 pm POSTERS & LUNCH

**Courtyards Room
Park Place Hotel**

1:30 pm FREE TIME

5:00 pm KEYNOTE SPEAKER –

Manzoor Bhat (University of North Carolina at Chapel Hill)
“Genetic & Molecular Dissection of Neuron-Glia Interactions”

**Lakes Room
Park Place Hotel**

6:00 pm DINNER

**Top of the Park
Park Place Hotel**

7:30 pm SESSION 3 – AXOGLIAL INTERACTIONS & DISEASE

**Lakes Room
Park Place Hotel**

Organizer: Lori Isom (University of Michigan)

Isoform-specific targeting and function of voltage-gated sodium channels
Gary Matthews (State University of New York at Stony Brook)

Computational and functional approaches for studying transcriptional hierarchies
in Schwann cells
Tony Antonellis (University of Michigan)

Regulation of axoglial communication and neuronal migration by the voltage-gated
sodium channel beta 1 subunit: implication for neurological disorders
Will Brackenbury (University of Michigan)

Development of chimeric Nogo receptor variant with potent CNS myelin
antagonistic properties
Roman Giger (University of Michigan)

Monday October 5

7:30 am **BREAKFAST**

**Top of the Park
Park Place Hotel**

8:45 am **SESSION 4 – MYELIN DYSFUNCTION IN SCHIZOPHRENIA & AUTISM**

**Lakes Room
Park Place Hotel**

**Organizer: Joseph Buxbaum (Mount Sinai School of Medicine)
Evdokia Anagnostou (University of Toronto)**

Genetic and gene expression evidence for oligodendrocyte abnormalities
in psychiatric illness

Joe Buxbaum (Mount Sinai School of Medicine)

Imaging of white matter abnormalities in autism

Evdokia Anagnostou (University of Toronto)

A new mouse model for oligodendrocyte abnormalities in autism

Takeshi Sakurai (Mount Sinai School of Medicine)

White matter alterations in schizophrenia

Laura Rowland (University of Maryland)

10:45 am **BREAK**

**Lakes Room
Park Place Hotel**

11:00 am **SESSION 5 – MICROGLIA & AUTOIMMUNITY**

**Lakes Room
Park Place Hotel**

Organizer: Bonnie Dittel (Blood Center of Wisconsin)

Glial specific regulation of antiviral immune responses

Stephen Stohlman (Cleveland Clinic)

Regulation of CNS autoimmune inflammation by microglial cells

Bonnie Dittel (Blood Center of Wisconsin)

Microglia: a moving target in the aging and injured CNS

Monica Carson (University of California at Riverside)

Role of the fractalkine receptor during autoimmune inflammation

Astrid Cardona (Cleveland Clinic)

1:00 pm **END OF MEETING**