

**Satellite workshop of the Society of Neuroscience**  
**October 16 2015, noon to 6 pm, Hyatt Regency Chicago Downtown**  
Sponsored by the International Society of Neuroimmunology, attendance is free

**Neuroimmunity: Evolving role of the immune system in brain  
protection and repair**

Co-chairs: V. Wee Yong and Michal Schwartz

**Short description of the symposium:**

The immune system plays a key role in body surveillance, defense against invading pathogens, removal of internal threats, and wound healing. The role of immunity in nervous system surveillance and repair has only recently been appreciated, resulting in new views of brain health. This satellite symposium will feature emerging understanding of the brain's innate immunity in health, pathology, aging and repair, and it will highlight neuroimmunity across health and neurological diseases.

**Session 1: CNS immune surveillance and health**

1. Jonathan Kipnis, University of Virginia

**The role of meningeal lymphatics in CNS immune surveillance**

2. Michal Schwartz, Weizmann Institute

**Breaking immune tolerance in fighting Alzheimer's disease pathology: The key role of the brain's choroid plexus as a gateway**

3. Gareth John, Icahn School of Medicine at Mount Sinai

**Reactive astrocytes control leukocyte and humoral trafficking into the CNS**

4. Marco Prinz, University of Freiburg

**Mechanisms of microglia activation and maturation**

**Session 2: Microglial and macrophage in CNS immunity and repair**

1. Francisco Quintana, Harvard Medical School

**Regulation of CNS inflammation**

2. Peter George Hyslop, University of Toronto

**TREM2 in immune mediated activity in Alzheimer's disease**

3. V. Wee Yong, University of Calgary

**Overcoming extracellular matrix inhibitors to promote remyelination**

4. Dorian McGavern

**Differential regulation of CNS immunity following infection and injury**

<http://www.sfn.org/annual-meeting/neuroscience-2015/sessions-and-events/satellite-events>