

# SCHEDULE

Friday, March 8

## Mini-symposium on Neuroinflammation and the Aging Brain

- 1:00 pm     **Mini-symposium Keynote: The role of peripherally derived macrophages in the brain after trauma**  
**Susanna Rosi**  
Departments of Physical Therapy Rehabilitation Science and Neurological Surgery, University of California, San Francisco
- 1:40 pm     *Environmental challenges, immune and neuroinflammatory measures, and behavioral and cognitive measures in animal models*  
**Jacob Raber**  
Department of Behavioral Neuroscience, OHSU
- 2:05 pm     *Thrombin generation: gate keeper or grim reaper of the blood-brain barrier*  
**Owen McCarty**  
Department of Biomedical Engineering, OHSU
- 2:30 pm     *The influence of maternal nutrition, metabolic state and inflammation on child risk for psychiatric disorders*  
**Elinor Sullivan**  
Departments of Psychiatry and Behavioral Neuroscience, OHSU
- 2:55 pm     *Understanding the role of microglial cells in motor neuron vulnerability in Amyotrophic Lateral Sclerosis (ALS)*  
**Bahareh Ajami**  
Departments of Molecular Microbiology and Immunology and Behavioral Neuroscience, OHSU
- 3:20 pm     Break
- 3:40 pm     *Ferroptosis drives microglial cell death following white matter injury in the aging brain*  
**Philip Adeniyi**  
Department of Pediatrics, OHSU
- 4:05 pm     *Will chronic inhibition of dual leucine zipper kinase (DLK) be neuroprotective and restore neuronal function in aged demyelination?*  
**Katie Emberley**  
Department of Neurology, Jungers Center for Neurosciences Research, OHSU

- 4:20 pm *Elevated expression of  $\alpha 5$ -integrin by myeloid cells in motor areas provides a potential target for therapeutics in ALS*  
**Audie Chiot**  
 Departments of Molecular Microbiology and Immunology and Behavioral Neuroscience, OHSU
- 4:35 pm *Role of peripheral inflammation in driving central nervous system inflammatory signature in pathogenesis of Alzheimer's Disease*  
**Paula Sanchez Molina**  
 Department of Molecular Microbiology and Immunology, OHSU
- 4:50 pm **Poster Session I and Networking Social Hour**
- Elias M. Wisdom**, OHSU  
**Jay C. Adams**, Oregon State University  
**Kaitlyn Kim**, Oregon State University  
**Rachel Morrill**, OHSU  
**Ibrahim A. Abou-Seada**, Oregon State University  
**Benjamin Bui**, Legacy Research Institute  
**Mariel Kristine Micael**, Vollum Institute  
**Will Liguore**, Oregon National Primate Research Center  
**Kaylee Ha**, OHSU  
**Noah Kolarsky**, OHSU
- 6:00 pm **DINNER**
- 6:45 pm **Meeting Keynote:** *Determinants and mechanisms of neuroinflammation-induced memory deficits in aging*  
**Ruth M. Barrientos**  
 Institute for Behavioral Medicine Research, Department of Psychiatry and Behavioral Health, Ohio State University College of Medicine

**Saturday, March 9**

- 7:00 am **BREAKFAST**
- 8:00 am *Las neuronas son bacanes: Interdisciplinary neuroscience in Valparaiso Chile*  
**William S. Griesar and Jeff Leake**  
 Department of Psychology, Portland State University
- 8:30 am *The mouse olfactory bulb tracks breathing rhythms and place*  
**Matt Smear**  
 Departments of Neuroscience and Psychology, University of Oregon

- 9:00 am *Effects of amyloid beta peptides on platelet hemostatic function and procoagulant platelet generation*  
**Yiheng Zhang**  
 Department of Biomedical Engineering, OHSU
- 9:15 am *T cell receptor-based cell therapy for central nervous system injury*  
**Taitea Dykstra**  
 OHSU
- 9:30 am *Effects of TFEB gene therapy on hippocampal-dependent learning and molecular signaling in obese female and male 5xFAD mice*  
**Danielle Osborne**  
 Legacy Research Institute
- 9:45 am *Structural insight into heteromeric assembly in epithelial sodium channels*  
**Isabelle Baconguis**  
 Vollum Institute, OHSU
- 10:15 am **Poster Session II**
- Kadi Rae Smith**, Portland State University  
**Natalie Robinson**, Portland State University  
**Emilee Brnusak**, Portland State University  
**Connor Hilts**, OHSU  
**Benjamin Zimmerman**, OHSU  
**Brooke Rogers**, OHSU  
**Olivia Monestime**, OHSU  
**Joshua Karpf**, Oregon National Primate Research Center  
**Opal Stayer-Wilburn**, Oregon National Primate Research Center  
**Anahit Grigorian**, Oregon National Primate Research Center
- 11:15 am *Electrophysiological characterization of immortalized ovine hypothalamic kisspeptin neurons*  
**Anna Nielson**  
 Oregon State University
- 11:30 am *Assessing the role of inattention, response latency, and perseveration in predicting behavioral flexibility in rhesus macaques*  
**Daniel Smith**  
 Oregon National Primate Research Center
- 11:45 am *Impact of ketamine and novelty on cue-induced reinstatement of cocaine self-administration in rats*  
**Angela Gonzalez**  
 Washington State University

- 12:00 pm    *Molecular mechanisms of maternal care in a mouthbrooding cichlid fish*  
**Suzy Renn**  
Biology Department, Reed College
- 12:30 pm    **LUNCH**
- 1:00 p.m.    Awards and Adjournment