Demyelinating & Neuroinflammatory Diseases Symposium

2015 Program

June 11, 2015 ∙ Health Science Education Building ∙ Alumni Hall

8:00-8:45 Continental Breakfast Provided & Poster Setup

8:20-8:30: Introduction

8:30-11:40 Session 1: Neuroinflammation and Glial Biology

8:30-8:50 MicroRNA-155 Promotes the Function of Both Pro- and Anti-Inflammatory T Cell Subsets During Neuroinflammation
Ryan O'Connell, PhD, Assistant Professor, Pathology

8:50-9:10 Prevention and Suppression of Disease Progression in Preclinical Models of Multiple Sclerosis
Robert Fujinami, PhD, Professor, Pathology

9:10-9:30 The Microbiota Controls Immune Responses During CNS Inflammation
June Round, PhD, Assistant Professor, Pathology

9:30-9:40 Flash Session
Jonathan Grist: CXCR2 Signaling In Oligodendrogrlia Amplifies Tissue Inflammation and Demyelination in a Mouse Model of Multiple Sclerosis
Thomas Huffaker: MicroRNA-155 Confers Encephalogenic Potential to IL-17F+ Th17 cells

9:40-10:00 Refreshment Break

10:00-10:20 The Foreign Body Response to Neural Recording Devices Shares Many Features Observed in Neuroinflammatory Disease
Patrick Tresco, PhD, Professor and Chair, Bioengineering

10:20-10:40 Cholinergic Modulation of Mouse Inflammatory Processes in the Lung
Lorise Gahring, PhD, Professor, Internal Medicine

10:40-11:00 MRI in the Theiler’s Murine Encephalomyelitis Virus Model of Multiple Sclerosis
Mateo Paz Soldan, MD, PhD, Assistant Professor, Neurology

11:00-11:20 A Tale of Microglia Controlling Neuronal Survival
Noel Carlson, PhD, Professor, Neurobiology & Anatomy

11:20-11:40 Short Talks
Victor Wang, MD: Epidemiology of Neuromyelitis Optica in the National US Veterans Affairs Health Administration system
Sihem Boudina, PhD: Manganese Superoxide Dismutase Deficiency in the Nervous System Causes Demyelination of Peripheral Nerves through Altered Lipid Synthetic Pathways
11:45-1:00 Lunch & Poster Viewing

1:00-2:20 Session 2: Pathology of Disease

1:00-1:20 Neuropathology of Multiple Sclerosis
John Rose, MD, Professor, Neurology

1:20-1:40 Neuromyelitis Optica: Updates and Ongoing Projects
Stacey Clardy, MD, Professor, Neurology

1:40-2:00 Paraneoplastic Syndromes
John Greenlee, MD, Professor, Neurology

2:00-2:20 Multiple Sclerosis Associated Ocular Inflammatory Disease
Akbar Shakoor, MD, Assistant Professor, Ophthalmology & Visual Sciences

2:20-3:00 Refreshment Break & Networking

3:00-3:20 Advanced MR Imaging of Cervical Spinal Cord White-Matter in MS
E.K. Jeong, PhD, Professor, Radiology

3:20-3:30 Flash Session
   Dipan Patel: Synaptic Scaling in the Hippocampus in a Mouse Model of Viral-Induced Temporal Lobe Epilepsy
   Lauren Strachan, PhD: A Screenable Adrenoleukodystrophy Model in Zebrafish

3:30-4:00 New Frontiers in Immunotherapy
John Rose, MD, Professor, Neurology

4:00 Closing Remarks
Tom Lane, PhD, Professor, Pathology

This symposium was made possible through the efforts of the Organizing Committee:
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Learn more at www.neurogateway.utah.edu