2020 FASEB Conference
Translational Neuroimmunology: From Mechanisms to Therapeutics

Organizers:
Thomas Lane, Ph.D.
University of California, Irvine
Irvine, CA

Benjamin Segal, M.D.
The Ohio State University, School of Medicine
Columbus, OH

June 29, 2020 – Day 1

8:30 – 8:45 AM Welcome

8:45 – 9:15 AM Keynote Address 1: The Brain Barriers Maintain CNS Immune Privilege - Britta Engelhardt (University of Bern)

9:15 – 9:45 AM Keynote Address 2: Immunotherapy of MS: A Historical Perspective - Jeff Cohen (Cleveland Clinic)

9:45 – 10:00 AM Break

10:00 AM – Noon Session 1: CNS Regulation of Peripheral Inflammation
Session Chair: Dana McTigue (The Ohio State University)

10:00 – 10:30 AM Brain and Peripheral Cholinergic Signaling in the Regulation of Inflammation - Valentin Pavlov (Feinstein Institute for Medical Research)

10:30 – 11:00 AM Spinal Cord Injury Causes Chronic Hepatic Inflammation and Metabolic Disruption in Rodents - Dana McTigue (The Ohio State University)

11:00 – 11:30 AM Regulation of Proliferation and Differentiation of Myeloid Progenitors by the Sympathetic Nervous System - Partha Dutta (University of Pittsburgh Medical Center)

11:30 – 11:45 AM Short Talk selected from abstracts
<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Activity</th>
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<tbody>
<tr>
<td>11:45 – Noon</td>
<td>Short talk selected from abstracts</td>
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<tr>
<td>Noon – 1:00 PM</td>
<td>Lunch Break/Meet the Expert Session</td>
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<td>1:00 – 3:00 PM</td>
<td><strong>Session 2: Immune Cells as Mediators of CNS Repair</strong>&lt;br&gt;Session Chair: <strong>Veronique Miron</strong> (<em>University of Edinburgh</em>)</td>
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<tr>
<td>1:00 – 1:30 PM</td>
<td>The Rise and Fall of Microglia Driving CNS Remyelination - <strong>Veronique Miron</strong> (<em>University of Edinburgh</em>)</td>
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<td>1:30 – 2:00 PM</td>
<td>The Roles of Regulatory T Cell in Remyelination and Tissue Regeneration in the CNS - <strong>Craig Walsh, PhD</strong> (<em>UC Irvine</em>)</td>
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<td>2:00 – 2:30 PM</td>
<td>Neutrophil Heterogeneity: A Pro-Regenerative Neutrophil Stimulates Axon Regeneration After CNS Trauma - <strong>Andrew Sas</strong> (<em>The Ohio State University</em>)</td>
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<td>2:30 – 3:00 PM</td>
<td>Neuregulin-1 Regulation of Neuroprotection, Neuroinflammation and Neurorepair After Ischemic Stroke - <strong>Byron Ford</strong> (UC Riverside)</td>
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<td>3:00 – 3:15 PM</td>
<td>Break</td>
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<td>3:15 – 4:30 PM</td>
<td><strong>Poster Session #1</strong> (<em>posters will be available online 1-2 days prior to virtual meeting; session time will be devoted to live chat among attendees</em>) - (Exhibit Hall)</td>
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<tr>
<td>4:30 – 4:45 PM</td>
<td>Break</td>
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<td>4:45 – 5:00 PM</td>
<td>Short talk selected from abstracts</td>
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<td>5:00 – 5:15 PM</td>
<td>Short talk selected from abstracts</td>
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<td>5:15 – 5:30 PM</td>
<td>Short talk selected from abstracts</td>
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<tr>
<td>5:30 – 5:45 PM</td>
<td>Break (<em>chance for attendees to bring drinks for happy hour</em>)</td>
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<td>5:45 – 6:45 PM</td>
<td>Virtual Happy Hour Live on Zoom</td>
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June 30, 2020 – Day 2

8:30 – 8:45 AM  Day 2 Welcome

8:45 – 10:45 AM  Session 3: The Role of the Adaptive Immune System in Primary Neurological Diseases - Session Chair: Manu Rangachari (Laval University)

8:45 – 9:15 AM  Keynote address: Examples of Translational Neuroimmunology - Alex Prat (U. Montreal)

9:15 – 9:45 AM  Improving Autoantibody Detection for the Diagnosis of Autoimmune Encephalitis - Eric Lancaster (University of Pennsylvania)

9:45 – 10:15 AM  Male Sex and Th17 Cells Exacerbate Disease in a Mouse Model of Progressive CNS Autoimmunity - Manu Rangachari (Laval University)

10:15 – 10:45 AM  Epigenetic Reprogramming of the Brain Tumor Immune Microenvironment in Mutant IDH1 Gliomas: Implications for Immunotherapies - Maria Castro (University of Michigan)

10:45 – 11:00 AM  Break

11:10 – 11:15 AM  Short talk selected from abstracts

11:15 AM – Noon  Short talk selected from abstracts

Noon – 1:00 PM  Lunch Break/Meet the Experts Session

1:00 – 3:00 PM  Session 4: Innate Immune System in CNS Pathology - Session Chair: Tim Vartanian (Cornell University)

1:00 – 1:30 PM  From Gut Microbe to Multi- Focal Demyelination: Clostridium Perfringens Epsilon Toxin and the Newly Forming MS Lesion - Tim Vartanian (Cornell University)

1:30 – 2:00 PM  Staphylococcus Aureus Biofilm Induces Immune Dysfunction During Craniotomy-associated Infection - Tammy Kielian, PhD (University of Nebraska)

2:00 – 2:30 PM  JAK/STAT/SOCS3 Axis in Innate Immune Cells and Astrocytes: Implications for Neuroinflammation - Etty Benveniste (University of Alabama, Birmingham)
2:30 – 3:00 PM    Examining the function of TREM2 with human microglia and chimeric mice - Matt Blurton-Jones (*University of California Irvine*)

3:00 – 3:15 PM    Break

3:15 – 4:45 PM    Poster session #2 (*posters will be available online 1-2 days prior to virtual SRC; session time will be devoted to live chat among attendees*) (Exhibit Hall)

4:45 – 5:00 PM    Break

5:00 – 5:30 PM    Wrap-up (Theater/Main Stage)