2020 FASEB Conference
Translational Neuroimmunology: From Mechanisms to Therapeutics

Organizers:
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Irvine, CA

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Columbus, OH

June 29, 2020 – Day 1

8:30 – 8:45 AM - Welcome from conference organizers

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

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

11:45 – Noon – Short talk selected from abstracts

Noon – 1:00 PM – Lunch Break/Meet the expert session

1:00 – 3:00 PM – Session 2: Immune cells as mediators of CNS Repair

1:00 – 1:30 PM - The rise and fall of microglia driving CNS remyelination
Veronique Miron (University of Edinburgh)

1:30 – 2:00 PM - The roles of regulatory T cell in remyelination and tissue regeneration in the CNS. Craig Walsh, Ph.D. (UC Irvine)

2:00 – 2:30 PM - Neutrophil heterogeneity: A pro-regenerative neutrophil stimulates axon regeneration after CNS trauma. Andrew Sas (The Ohio State University)

2:30 – 3:00 PM - Neuregulin-1 Regulation of neuroprotection, neuroinflammation and neurorepair after Ischemic stroke. Byron Ford (UC Riverside)

3:00 – 3:15 PM – Break

3:15 – 4:30 PM - Poster session #1 (posters will be available online 1-2 days prior to virtual meeting; session time will be devoted to live chat among attendees) (Exhibit Hall)

4:30 – 4:45 PM – Break

4:45 – 5:00 PM - Short talk selected from abstracts

5:00 – 5:15 PM - Short talk selected from abstracts

5:15 – 5:30 PM - Short talk selected from abstracts

5:30 – 5:45 PM - Break (chance for attendees to bring drinks for happy hour)

5:45 – 6:45 PM - Virtual happy hour live on Zoom
June 30, 2020 – Day 2

8:30 – 8:45 AM  Day 2 welcome; housekeeping; Lessons learned from Day 1

8:45 – 10:45 AM  Session 3: The role of the adaptive immune system in primary neurological diseases.

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

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)

1:30 – 2:00 PM  Staphylococcus aureus biofilm induces immune dysfunction during craniotomy-associated infection. Tammy Kielian, Ph.D. (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 (UC 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 led by conference organizers (live on Zoom) (Theater/Main Stage)