



Oral Program

Thursday, November 15, 2018

- 16:00-18:00 Registration
- 18:00-19.30 Welcome Reception

Friday, November 16, 2018

- 07:30-08:45 Registration
- 08:45-09:00 Welcome and introduction
Josep Dalmau, University of Pennsylvania, USA / University of Barcelona, Spain
- 09:00-10:30 Session 1 – Neuroinflammation and microglia**
- 09:00-09:30 **An overview of neuroinflammation**
Michael Heneka, University of Bonn /German Center for Neurodegenerative Disease, Germany
- 09:30-10:00 **From yolk sac to neurodegeneration: the multiple facets of microglia**
Marco Prinz, University of Freiburg, Germany
- 10:00-10:30 **Microglia in chronic neurologic and psychiatric diseases**
V. Hugh Perry, University of Southampton, UK
- 10:30-11:00 Refreshment Break
- 11:30-12:30 Session 2 – Inflammation and immunity in schizophrenia and other mental disorders**
- 11:00-11:30 **Potential role of inflammation in Depression and Schizophrenia: cause and effective treatment**
Golam M Khandaker, University of Cambridge, UK
- 11:30-12:00 **Interleukin 6 in treatment-resistant depression**
Wayne Drevets, Johnson & Johnson, Inc, USA
- 12:00-12:30 **Molecular and imaging biomarkers for first episode psychosis: novel cytokine and chemokine signaling**
Akira Sawa, Johns Hopkins University and Hospital I, USA
- 12:30-13:30 Lunch and Exhibition
- 13:30-14:00 Poster Viewing Session
- 14:00-15:30 Session 3 – Systemic signals and the BBB, a wall with selective doors**
- 14:00-14:30 **Immune privilege and CNS drainage**
Sergio Baranzini, University of California San Francisco, USA
- 14:30-15:00 **The gut-brain axis: mind -altering microbiotica**
P. Bercik, McMaster University, Ontario, Canada
- 15:00-15:30 **CNS host defense: action at the BBB**
Richard Daneman, University of California San Diego, USA
- 15:30-16:00 Refreshment Break
- 16:00-17:50 Session 4 – Neuropsychiatric manifestations of neuronal autoantibodies**

- 16:00-16:20 **Clinical case Presentation**
Thomas Pollak, *Kings College London, UK*
- 16:20-16:50 **Anti-NMDA receptor encephalitis: an immune-mediated synaptopathy that presents with psychosis**
Josep Dalmau, *University of Pennsylvania, USA / University of Barcelona, Spain*
- 16:50-17:20 **Antibody-mediated sleep diseases**
Joan Santamaria, *University of Barcelona, Spain*
- 17:20-17:50 **Antibody mediated psychosis - new hope or false dawn?**
Belinda Lennox, *University of Oxford, UK*

16:15-17:30 Session 5 – “Is it time to start screening for autoantibodies in first-episode psychosis?”

- 17:50-18:40 **Panel discussion:**
10 minutes “A neurologist with autoimmune psychosis”
(**presented by a patient** - the identity of the patient will be revealed at the end of the presentation)
10 minutes comments (**Francesc Graus**, *University of Barcelona*)
10 minutes comments (**Akira Sawa** or **Marion Leboyer**)
20 minutes general discussion (**Francesc Graus, Akira Sawa, Marion Leboyer**)

Saturday, November 17, 2018

08:30-10:00 Session 6 – Immune molecules in the brain

- 08:30-09:00 **Beyond autoimmunity: immune proteins can directly regulate neuronal structure and function**
Dr. Lisa Boulanger, *Princeton University, USA*
- 09:00-09:30 **Alternations of brain development and autistic features caused by maternal-fetal transfer of neuronal antibodies**
Betty Diamond, *The Feinstein Institute for Medical Research, New York, USA*
- 09:30-10:00 **Cytokines signatures and response to treatment in psychiatric disorders**
Nicolas Glaichenhaus, *CNRS, University of Nice, France*

10:00-10:30 Refreshment Break

11:15-12:15 Session 7 – B and T cells in brain disease

- 10:30-11:00 **CNS phagocytes presenting myelin autoantigen direct autoimmune T cells into the target tissue**
Harmut Wekerle, *Max Plank Institute, Germany*
- 11:00-11:30 **The T-cell side of multiple sclerosis**
Reinhard Hohlfeld, *Ludwig Maximilians University, Munich, Germany*
- 11:30-12:00 **Antibody independent roles of B cells in brain autoimmunity**
Ami Bar-Or, *University of Pennsylvania, USA*

12:00-13:00 Lunch

13:00-14:00 Poster Viewing session

14:00-15:00 Session 8 – Poster presentations

- 13:30-14:00 **Presentations of the 3 best posters by the authors**
5 minutes each followed by 15 minutes discussion

14:00-15:30 Session 9 – Infectious and genetic triggers of immune-inflammation of the brain

- 14:00-14:30 **Genetic causes of CNS viral infections: the case of Herpes simplex encephalitis”**
Shen-Ying Zhang, *Rockefeller University, USA*
- 14:30-15:00 **Immunogenetics of narcolepsy**

Emmanuel Mignot, *Stanford University, USA*

15:00-15:30 **Major psychiatric disorders and the association to immune-related genes**
Marion Leboyer, *University of Paris-Est-Créteil, France*

15:30-16:00 Refreshment Break

16:00-17:00 Session 10 – Immune-inflammation in Neurology and Psychiatry: Treatment implications and future directions

16:00- 16:30 **Immunological aspects of psychotic disorders**
Iris Sommer, *University Medical Center, Groningen, Netherlands*

16:30-17:00 **Harnessing systemic immunity to fight neurodegenerative diseases**
Michal Schwartz, *Weizmann Institute of Science, Israel*

17:00-17:10 Closing Ceremony
Josep Dalmau, *USA/ Spain* & **Elena Becker-Barroso**, *UK*