## THE LANCET Summit



Inflammation and Immunity in Disorders of the Brain and Mind

	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 <sup>1, 2</sup> , <sup>1</sup> University of Pennsylvania, USA, <sup>2</sup> University of Barcelona, Spain	
09:00-10:30	Session 1 - Neuroinflammation and microglia	
09:00-09:30	Is neuroinflammation a promising therapeutic target for Alzheimer's disease?  Michael Heneka <sup>1,2</sup> , <sup>1</sup> University of Bonn, Germany, <sup>2</sup> 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	Manipulating the microglia in chronic neurodegenerative disease V. Hugh Perry, University of Southampton, UK	
10:30-11:00	Refreshment break	
11:00-12:30	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 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 pathways Akira Sawa, Johns Hopkins University and Hospital I, USA	
12:30-13:30	Lunch	
12:30-13:30	Poster Session	
14:00-15:30	Session 3 - Systemic signals and the BBB, a wall with selective door	
14:00-14:30	The gut brain axis: how commensal bacteria may influence risk of neurological disease Sergio Baranzini, University of California San Francisco, USA	
14:30-15:00	The gut-brain axis: mind -altering microbiotica  P. Bercik, McMaster University, Canada	
15:00-15:30	Regulation of the blood-brain barrier in health and disease 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	Case studies in autoimmune encephalitis and psychiatry	
10.00 10.20	Thomas Pollak, Kings College London, UK	

	psychosis Josep Dalmau <sup>1, 2</sup> , <sup>1</sup> University of Pennsylvania, USA, <sup>2</sup> 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
17:50-18:40	Session 5 – "Is it time to start screening for autoantibodies in first-episode psychosis?
	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 in neural homeostasis Lisa Boulanger, Princeton University, USA
09:00-09:30	Mechanisms of cognitive dysfunction in SLE Betty Diamond, The Feinstein Institute for Medical Research, 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
10:30-12:00	Session 7 - B and T cells in brain diseases
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 Contributions of B cells to CNS Inflammation Amit Bar-Or, University of Pennsylvania, USA
12:00-13:00	Lunch
13:00-13:30	Poster Viewing Session
	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	Inborn errors of immunity underlying childhood viral encephalitis Shen-Ying Zhang, Rockefeller University, USA
14:30-15:00	The genetics of narcolepsy: immune and viral mechanisms Emmanuel Mignot, Stanford University, USA
15:00-15:30	Immunogenetics of major psychiatric disorders  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, The Netherlands
16:30-17:00	Fighting Alzheimer's disease by unleashing innate and adaptive immune cells Michal Schwartz, Weizmann Institute of Science, Israel
17:00-17:10	Closing ceremony Josep Dalmau <sup>1, 2</sup> , Elena Becker-Barroso <sup>3</sup> <sup>1</sup> University of Pennsylvania, USA, <sup>2</sup> University of Barcelona, Spain, <sup>3</sup> Editor – The Lancet Neurology, UK