

ZNZ-Oxford Workshop

Inflammation, Brain, and Depression: from human evidence to preclinical models to novel treatments

5th May 2015, Psychiatric Hospital, University of Zurich, Lenggstrasse 31, 8032 Zurich, Room H2 01

Organisers: Christopher Pryce (Zurich) and Philip Cowen (Oxford)

Overview: The neuropsychiatric disorder of depression is common and patients are often resistant to existing treatments. There is growing evidence that inflammation is a major contributor to depression aetio-pathophysiology. Understanding causal interactions between stress, inflammation, brain and depression, and applying the evidence to identify novel treatment targets, require an interdisciplinary approach. This workshop brings together basic and clinical scientists from psychiatry, immunology, neurology and pharmacology, to present and discuss the recent theory and evidence.

Registration: Please register (no fee) via e-mail to Christopher.pryce@bli.uzh.ch by April 25th. Space is limited

Programme:

- 09:00-09:10 Welcome and Introduction
- 09:10-10:00 Inflammation and depression: clinical correlates
Phil Cowen, Psychiatry, Oxford
- 10:00-10:50 Stress, inflammation and depression: animal models
Christopher Pryce, Psychiatry, Zurich
- 10:50-11.10 Coffee break
- 11:10-11:30 Peripheral versus central effects of TNF on brain and behaviour
Federica Klaus, Psychiatry, Zurich
- 11:30-11:50 Neurochemical effects of interferon in hepatitis C
Beata Godlewska, Psychiatry, Oxford
- 12:00-13:30 Lunch
- 13:30-14:20 Sickness behavior, cytokines and clock genes
Adriano Fontana, Experimental immunology, Zurich
- 14:20-15:10 Role of the liver in depressive-like behaviour
Daniel Anthony, Pharmacology, Oxford
- 15:10-15:30 Coffee break
- 15:30-15:50 Brain and behaviour effects of CD40-TNF activation in mice
Flurin Cathomas, Psychiatry, Zurich
- 15:50-16:10 Inflammation and emotional processing
Charlotte Cooper, Psychiatry, Oxford
- 16:10-16:30 Immunological mechanisms and monoaminergic transmitter disturbances underlying fatigue in multiple sclerosis
Zina Manjaly, Neurology, Zurich
- 16:30-16:50 Inflammation and sleep
Ann Sharpley, Psychiatry, Oxford
- 16:50-17:40 Maternal immune activation and abnormal brain development across CNS disorders
Irene Knuesel, Hoffmann La Roche, Basel