

Symposium 10: Microglia, neuroinflammation and psychiatric disease: biomarkers and therapeutic potential

Sponsored by the British Association for Psychopharmacology

Theme: Neuronal, glial and cellular mechanisms

Tuesday 11th April, 9:00 – 10:40

Neuroinflammation and microglia are increasingly recognized as key players in psychiatric disorders. Early life events, such as maternal infection, have been suggested to play a role in the aetiology of multiple psychiatric disorders. This symposium brings together experts from preclinical, clinical and industry perspectives to update us on the most recent advances in this area; explaining how these advances will inform the development of biomarkers and novel therapeutic approaches.

Chair: Dr Paula Moran (University of Nottingham)

Co-Chair: Professor Carmine Pariante (Kings College London)

Speaker 1: Professor Hugh Perry (University of Southampton)

'Microglia dynamics in the healthy and diseased brain'

Speaker 2: Dr Irene Knuesel (Roche, Switzerland)

'Therapeutic modulation of microglia – opportunities and challenges'

Speaker 3: Professor Carmine Pariante

'Biomarkers of inflammation and treatment response in psychosis and depression'

Speaker 4: Dr Anthony Vernon (King College London)

'Genome-Wide Transcriptional Profiling and Structural Magnetic Resonance Imaging in the Maternal Immune Activation Model of Neurodevelopmental Disorders'