Pre-Congress Symposium 10 (Drug Development / Neuroimaging)
Saturday, October 13, 13:00-16:00

Session Title
Towards New Radiopharmaceuticals for Psychiatry

Chairpersons
Luc Zimmer (Lyon)
Elsmarieke van de Giessen (Amsterdam)

Programme

13:00 - 13:25 Ilan Rabiner (London): Is There Still a Place for PET Neuroimaging in the Understanding of Psychiatric Diseases?
13:25 - 13:50 Nicolas Tournier (Orsay): Imaging Transporter Function at the Blood-Brain Barrier - Relevance to the Evaluation of CNS Drugs
13:50 - 14:15 Rupert Lanzenberger (Vienna): Imaging of Serotonin Neurotransmission in Psychiatry

14:15 - 14:45 Coffee Break

14:45 - 15:10 Koen van Laere (Leuven): Metabotropic Glutamate Receptor Imaging in Psychiatry
15:10 - 15:35 Eric Salmon (Liège): What can PET Imaging of Synaptic Density Contribute to the Understanding of Neuropsychiatric Pathologies?
15:35 - 16:00 Discussion

Educational Objectives
1. Understand the contributions and limitations of radiopharmaceuticals in deciphering the psychiatric pathophysiology
2. Understand how radiopharmaceuticals can accelerate the development of psychotropic drugs
3. Have an overview of radiopharmaceuticals currently used in psychiatry (focus on BBB, serotonin and glutamate receptors)
4. Understand how a new brain target is chosen for a radiopharmaceutical development

Summary
- Which needs for biological psychiatry? How can imaging help?
- PET approaches for antipsychotic drug discovery and development
- Imaging of serotoninergic and glutamatergic neurotransmissions in psychiatry
- Imaging of blood-brain barrier transporters in drug development
- New PET radiotracers for synaptic density