



Program

9.00-9.10 Welcome
Dr Lizzie Manning and Dr Erin Campbell (University of Newcastle and The Florey Institute of Neuroscience and Mental Health)

Session 1: Substance use disorders

Chair Dr Christina Perry (Macquarie University)

9.10-9.30 **Neurobehavioral signatures of vulnerability to compulsive cocaine-seeking**
Dr Bianca Jupp (Monash University)

9.30-9.50 **Novel pharmacotherapies for young people with methamphetamine use disorder: The MASKOT and CALM studies**
Dr Alexandre Guerin (University of Melbourne, Orygen)

9.50-10.10 **Repetitive transcranial magnetic stimulation in animal models: Cellular resolution of changes in brain-wide functional connectivity**
A/Prof Jennifer Rodger (University of Western Australia)

10.10-10.45 Morning Tea

Session 2: Eating and feeding

Chair A/Prof Jess Nithianantharajah (Florey Institute)

10.45-11.05 **Neural responses in addictive eating: A systematic review of fMRI studies**
Dr KIRRILLY Pursey (University of Newcastle)

11.05-11.25 **Hindbrain control of cue-induced feeding behaviours**
Dr Zhi Yi Ong (UNSW)

11.25-11.45 **Temporal control of AgRP neurons mediates context-conditioned appetite**
Felicia Reed (Monash University)

11.45-1.30 Lunch and posters

Plenary

1.30-2.30 **The BrainPark roadmap towards a next generation neuropsychological assessment platform for addictive and compulsive behaviours**
Professor Murat Yucel (Monash University)

2.30-3.00 *Afternoon Tea*

Session 3: Decision Neuroscience

Chair *Dr Philip Jean-Richard-dit-Bressel (UNSW)*

3.00-3.20 **From simple cognition to complex trade-offs: A snapshot of computational models of decision-making**
Dr Laura Wall (University of Newcastle)

3.20-3.40 **Neurocomputational mechanisms of reinforcement learning in obsessive-compulsive and gambling disorders**
A/Prof Shinsuke Suzuki (University of Melbourne)

3.40-4.00 **Cross-species approaches to examine corticostriatal and dopaminergic contributions to decision-making in schizophrenia**
Dr James Kesby (Queensland Brain Institute)

4.00-4.20 **Food for thought: Diet-induced impairments to decision-making**
Dr Serena Becchi (UNSW)

4.20-5.00 *That's a wrap!*