

Deep Brain Stimulation Symposium

24-25 November 2017

Queensland Brain Institute

Program



Research Changing Lives

Friday 24 November

09:30-09:50 *Registration and coffee on arrival*

09:50-10:00 Welcome

10:00—11:00 **Professor William Hutchison, University of Toronto, Canada**
Synaptic plasticity in human basal ganglia and movement disorders

11:00—12:00 **Professor Greg Gerhardt, University of Kentucky Medical Center, USA**
DBS+: Technologies to treat and possibly change the progression of Parkinson's Disease

12:00-13:30 *Lunch and poster viewing*

13:30—14:30 **Professor Tipu Aziz, University of Oxford, UK**
PPN stimulation for Parkinsonian Gait Freezing and Falls

14:30—15:30 **Dr Wesley Thevathasan, University of Melbourne, Australia**
DBS for Parkinson's disease—tailored by neuronal biomarkers

15:30-16:00 *Afternoon Tea*

16:00-17:00 **Professor Aviva Abosch, University of Colorado, USA**
Parkinson's Disease and Sleep: What Exactly Do Local Field Potentials Tell Us

17:00-19:00 *BBQ, Level 7 QBI*

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Saturday 25 November

09:45 *Registration and coffee on arrival*

10:00—10:30 **Dr Steve Goetz, Medtronic Brain Modulation**

Towards Smarter Brain Stimulation

10:30—11:30 **Professor Bart Nuttin, KU Leuven, Belgium**

Neurosurgery for Psychiatric Disorders, investigational or accepted therapy?

11:30—12:00 **A/Professor Terry Coyne, University of Queensland, Australia**

DBS for Gilles de la Tourette's syndrome

12:00-13:00 *Lunch*

13:00—14:00 **Professor Damiaan Denys, Academic Medical Center, Netherlands**

From Electricity to Ethics: Deep Brain Stimulation in obsessive compulsive disorder

14:00—14:30 **Dr François Windels, University of Queensland, Australia**

Neurophysiology of the Nucleus Accumbens in Obsessive Compulsive Disorder patients

14:30-15:00 *Afternoon tea*

15:00-16:00 **Dr Phil Mosley, QIMR Berghofer, Australia**

Neuropsychiatric aspects of subthalamic deep brain stimulation for Parkinson's disease

16:00—16:45 **Mr John Noel Viaña, University of Tasmania**

Currents of memory: the ethics of deep brain stimulation for Alzheimer's Disease

16:45-17:00 *Closing comments*



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First class treatment. World class results.