

CCNP 40TH ANNUAL CONFERENCE
Preliminary Program
Four Points by Sheraton Hotel
Kingston, Ontario
June 06 - 09



This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and approved by Queen's University. You may claim a maximum of 20 hours.

Acknowledgments

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TUESDAY JUNE 06, 2017

13:00 – 17:00 CCNP Council Meeting (British American Room)

17:00 – 21:00 Registration (Limestone Foyer)

WEDNESDAY JUNE 07, 2017

07:30 – 17:00 Registration (Limestone Foyer)

07:30 – 08:30 Breakfast (Old Stone Room)

08:30 – 09:00 Welcoming Remarks (Limestone Ballroom)
Dr. Roumen Milev (Queen's University)

09:00 – 10:30 **Presidential Symposium** (Limestone Ballroom)
Dr. Georg Northoff (University of Ottawa)
What can the brain's spontaneous activity tell us about our self and its mental health

10:30 – 11:00 Break (Old Stone Room)

11:00 – 12:30 **Symposium #1: Novel perspectives on the neurobiology of bipolar disorder across the lifespan** (Limestone Ballroom)

Chair: Dr. Benjamin Goldstein (University of Toronto)

Dr. Ana Andreazza (University of Toronto)
The role of NLRP3 inflammasome in bipolar disorder

Dr. Benicio N. Frey (McMaster University)
Evidence of deficits in intracortical maturation in bipolar I disorder

Dr. Benjamin Goldstein (University of Toronto)
Neuroimaging evidence of microvascular pathology among adolescents with bipolar disorder

Dr. Flavio Kapczinski (McMaster University)
Towards a nomenclature task force on staging in bipolar disorder

12:30 – 13:30 **LUNCH/CCNP Business Meeting** (All are welcome) (Old Stone Room)

13:30 – 14:00 **CCNP Next Generation Symposium #1** (Limestone Ballroom)

14:00 – 15:00 **CCNP Heinz Lehmann Award Lecture** (Limestone Ballroom)
Dr. Paul Albert (University of Ottawa)
A molecular biologist in Psychiatry: from signaling to transcription in behavior

15:00 – 15:30 Break (Old Stone Room)

15:30 – 17:00 **Symposium #2: Advances in brain stimulation for treating cognitive and psychiatric dysfunction** (Limestone Ball Room)

Co-Chairs: Dr. Catharine Winstanley (University of British Columbia) & Dr. Djavad

Mowafaghian (Centre for Brain Health, UBC)

Dr. Catharine Winstanley (University of British Columbia)
Deep-brain stimulation of the subthalamic nucleus selectively decreases risky choice in risk-preferring rats

Dr. Clement Hamani (University of Toronto)
Deep brain stimulation for obsessive-compulsive disorder and depression: evidence and lessons for improving study design

Dr. Jonathan Downar (Toronto Western Hospital)
From bench to bedside: translating rTMS research findings into clinical practice

Dr. Elise Gondard (Krembil Research Institute, Toronto Western Hospital)
Effects of DBS on memory and plasticity in Alzheimer's disease

17:00 – 17:30 Free time

17:30 – 19:30 Reception (Old Stone Room)

THURSDAY JUNE 08, 2017

07:30 – 17:00 Registration (Limestone Foyer)

07:30 – 08:30 Breakfast (Old Stone Room)

08:30 – 09:00 Welcoming Remarks – Ontario Brain Institute (Limestone Ballroom)
Dr. Tom Mikkelsen (President & Scientific, OBI) & Dr. Elizabeth Theriault (Vice President, Research & Informatics, OBI)

09:00 – 10:30 **IDP Symposium #1: *Clinical neuropsychology/neuropsychopharmacology***

CP-NET

Dr. Jan Willem Gorter (CanChild, McMaster University)
Growing up with cerebral palsy, more than a physical disability

ONDRI

Dr. Paula McLaughlin (Western University)
Identifying cognitive and behavioural phenotypes across five distinct neurodegenerative diseases

EpLink

Dr. Mary Lou Smith (University of Toronto, Hospital for Sick Children)
Outcomes of pediatric epilepsy surgery: does neuropsychological function change over time?

POND

Dr. Evdokia Anagnostou (Bloorview Research Institute, Holland Bloorview Kids Rehabilitation Hospital)
Neurodevelopmental disorders: the case of lumping

10:30 – 11:00 Break (Old Stone Room)

11:00 – 12:30 **Symposium #3: Gut-brain axis** (Limestone Ballroom)

Chair: Dr. Sidney Kennedy (St. Michael's Hospital)

Dr. Jonathan Swann (Imperial College, UK)

Characterizing the functionality of the microbiome and understanding the gut-brain axis

Dr. Rochellys Hejtz (Karolinska Institutet, Sweden)

A potential new mechanism by which microbiota affect CNS function

Dr. Jane Foster (McMaster University)

Mood and microbes – the influence of microbiota on stress circuitry and behaviour

Caroline Wallace (Queen's University)

Probiotics and depression: preliminary findings and future directions

12:30 – 14:00 Lunch (Old Stone Room)

13:00 – 14:00 **CCNP Poster Session #1** (Gibraltar Room)

14:00 – 14:30 **CCNP Next Generation Symposium #2** (Limestone Ballroom)

14:30 – 15:30 **CCNP Young Investigator Award Lecture** (Limestone Ballroom)

Dr. Lena Palaniyappan (Western University)

Insights from applying systems neuroscience in psychosis

15:30 – 15:45 Break

15:45 – 17:15 **IDP Symposium #2: Reverse translation** (Limestone Ballroom)

POND

Dr. Jason Lerch (University of Toronto, Hospital for Sick Children)

Neurodevelopmental disorders: the case for splitting

CAN-BIND

Dr. Brock Schuman (St Michael's Hospital) & Dr. Juan Pablo Lopez (McGill University, Max Planck Institute of Psychiatry, Germany)

Fishing for biomarkers of depression: molecular and reverse translation insights from the CAN-BIND Program

CP-NET

Rebecca Ruddy (University of Toronto)

Sex, drugs and neural repair

ONDRI

Dr. Douglas Munoz (Queen's University)

Deep phenotyping of neurodegenerative diseases: a tale of translation and reverse translation

17:15 – 17:45 **Panel Discussion: Partnerships that Move Research Out of the Lab** (Limestone Ballroom)

Moderator: Dr. Tom Mikkelsen (President & Scientific Director, OBI)

17:45 – 18:00 Closing Remarks – Ontario Brain Institute (Limestone Ballroom)
Dr. Tom Mikkelsen (President & Scientific, OBI) & Dr. Elizabeth Theriault (Vice President, Research & Informatics, OBI)

18:00 – 18:30 Free time

18:30 – 19:30 Gala Dinner – Cocktails (Grandview Room, Delta Hotel, 1 Johnston Street, 5 min walk from hotel)

19:30 – 22:00 Gala Dinner (Grandview Room, Delta Hotel)

FRIDAY JUNE 09, 2017

07:30 – 12:30 Registration (Limestone Foyer)

07:30 – 08:30 Breakfast (Old Stone Room)

08:30 – 10:00 **Symposium #4: *What brain imaging can tell us about diagnosis, treatment and mechanisms***

Co-Chairs: Dr. Verner Knoff (University of Ottawa) & Dr. Natalia Jaworska (McGill University)

Dr. Alexander Neumeister (University of Ottawa)
Molecular imaging provides an opportunity for evidence-based treatment developments in posttraumatic stress disorder

Dr. Natalia Jaworska (McGill University)
Neural profiles in depression – utility in response prediction

Dr. Sara de la Salle (University of Ottawa)
Electrophysiological effects of ketamine and implications of antidepressant response

Dr. Rébecca Robillard (Netherlands Institute for Neuroscience, The Netherlands)
Considering chronobiology and sleep profiles to tailor treatment strategies for mood disorders

10:00 – 10:30 **CCNP Next Generation Symposium #3** (Limestone Ballroom)

10:30 – 11:00 Break (Old Stone Room)

11:00 – 12:30 **Symposium #5: *Neurocircuitry of binge eating: alternations in reward processing*** (Limestone Ballroom)

Chair: Dr. Mary Olmstead (Queen's University)

Amanda Maracle (Queen's University)
Dopaminergic contributions in the BNST to compulsive responding for sucrose

Dr. Alfonso Abizaid (Carleton University)
A role for ghrelin receptors in the ventral tegmental area (VTA) in caloric intake in a mouse model of binge eating disorder

Dr. Caroline Davis (York University)
The etiology of binge eating disorder from a psychobiological perspective

Dr. Iris Balodis (McMaster University)
Neuroimaging studies in binge eating disorder: linking findings with treatment outcome

12:30 – 14:00 Lunch (Old Stone Room)

13:00 – 14:00 **CCNP Poster Session #2** (Gibraltar Room)

14:00 – 15:00 **CCNP Innovations in Neuropsychopharmacology Award Lecture**
(Limestone Ballroom)
Dr. Yu Tian Wang (University of British Columbia)
AMPA endocytosis in synaptic plasticity – is it a therapeutic target for improving memory?

15:00 – 16:30 **Symposium #6: Novel signaling mechanisms for treatment of anxiety and depression** (Limestone Ballroom)

Chair: Dr. Paul Albert (University of Ottawa)

Dr. Hsiao-Huei Chen (University of Ottawa)
Cannabinoid signaling in anxiety: anxious moments for the protein tyrosine phosphatase PTP1B

Dr. Sheena Josselyn (Hospital for Sick Kids)
Probing fear and anxiety circuits in mice

Cecilia Flores (McGill University)
MicroRNA regulation of DCC and susceptibility to depression-like behaviors in humans and mice

Dr. Paul Albert (University of Ottawa)
Novel transcriptional pathways regulating 5-HT and anxiety-depression phenotypes

16:30 Closing Remarks (Limestone Ballroom)
Dr. Roumen Milev (Queen's University)

CCNP 2017 Local Organizing Committee:

Dr. Roumen Milev – Chair	Dr. Alina Marin
Dr. Eric Dumont	Dr. Emily Hawken
Dr. Nick Delva	Dr. Chris. Bowie
Dr. Jane Foster	Dr. Xudong. Liu
Dr. Douglas J. Cook	Dr. Mary Olmstead
Ms. Catherine Normandeau	Ms. Marianne McGuire

Thursday, June 8, 2017

OBI Day

FINAL

7:30 am		Registration (all day)	Limestone Foyer
7:30 – 8:30	1 hr	Breakfast	Old Stone Room
8:30 – 9:00	0.5 hr	Welcoming Remarks –Tom Mikkelsen	Limestone Ballroom
9:00 - 10:30	1.5 hrs	<p style="text-align: center;">IDP Theme # 1: Clinical neuropsychology/ neuropsychopharmacology</p> <p>CP-NET Growing Up with Cerebral Palsy, More Than a Physical Disability Jan Willem Gorter CanChild Centre for Childhood Disability Research; Department of Pediatrics, McMaster University</p> <p>ONDRI Identifying Cognitive and Behavioural Phenotypes Across Five Distinct Neurodegenerative Diseases Paula McLaughlin Clinical Neuropsychologist, Schulich School of Medicine and Dentistry, Western University</p> <p>EpLink Outcomes of Pediatric Epilepsy Surgery: Does Neuropsychological Function Change Over Time? Mary Lou Smith Professor, Department of Psychology, University of Toronto, Mississauga; Senior Associate Scientist, Neurosciences and Mental Health Program, Hospital for Sick Children</p> <p>POND Neurodevelopmental Disorders: The Case of Lumping Evdokia Anagnostou, Holland-Bloorview Associate Professor, Department of Pediatrics, University of Toronto; Senior Clinician Scientist, Bloorview Research Institute, Holland Bloorview Kids Rehabilitation Hospital</p>	Limestone Ballroom
10:30 - 11:00	0.5 hr	Break	Old Stone Room
11:00 – 12:30	1.5 hrs	<p style="text-align: center;">IDP Theme #2: Reverse Translation</p> <p>POND Neurodevelopmental Disorders: The Case for Splitting Jason Lerch Associate Professor Department of Medical Biophysics University of Toronto; Senior Scientist, The Hospital for Sick Children</p> <p>CAN-BIND Fishing for Biomarkers of Depression: Molecular and Reverse Translation Insights from the CAN-BIND Program Brock Schuman Keenan Research Centre for Biomedical Science, St. Michael's Hospital, <i>and</i></p>	Limestone Ballroom

		<p>Juan Pablo Lopez McGill Group for Suicide Studies, McGill University; Max Planck Institute of Psychiatry (Munich, Germany)</p> <p>CP-NET Sex, Drugs and Neural Repair Rebecca Ruddy PhD Candidate, University of Toronto</p> <p>ONDRI Deep Phenotyping of Neurodegenerative Diseases: A Tale of Translation and Reverse Translation Douglas Munoz Centre for Neuroscience Studies, Queen's University</p>	
12:30 - 13:00	0.5 hrs	Lunch	Old Stone Room
13:00 - 14:00	1 hr	Poster Presentations & Lunch Continued	Gibraltar Room
14:00 - 15:00	1 hr	<i>Award - Young Investigator Lecture</i>	Limestone Ballroom
15:00 - 15:30	0.5 hr	Next Generation Symposium # 2 (2 talks)	Limestone Ballroom
15:30 - 15:45	0.25 hr	Short Break	
15:45 - 17:15	1.5 hr	Gut/Brain Axis; Jane Foster, CAN-BIND	Limestone Ballroom
17:15 - 17:45	0.5 hr	OBI Panel Discussion: Partnerships that Move Research Out of the Lab Moderator: Tom Mikkelsen	Limestone Ballroom
17:45 - 18:00	0.25 hr	Closing Remarks – Elizabeth Theriault	Limestone Ballroom
18:00 - 18:30	0.5 hr	FREE TIME	