

CCNP-2018

Location

UBC Robson Square (<http://www.robsonsquare.ubc.ca>)

Downtown Vancouver

OVERVIEW OF EVENTS

WEDNESDAY JUNE 27, 2018

15:00 – 19:00 CCNP Council Meeting (Telus Boardroom)

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

THURSDAY JUNE 28, 2018

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

07:30 – 08:30 Breakfast (Sunroom)

08:30 – 09:00 Welcoming Remarks (Theatre)

09:00 – 10:30 [Presidential Symposium](#) (Theatre)
Dr. David Goldbloom (University of Toronto)
Title: Thoughts on the Future of Psychiatry

Chair: Dr. Ridha Joober (McGill University)

10:30 – 11:00 Break (Theatre Foyer or Sunroom)

11:00 – 12:30 **Symposium 1:** The impact of pharmacogenomics on clinical practice (Theatre)

Chair: Dr. Katherine Aitchison (University of Alberta)

Dr. Daniel Muller (University of Toronto)
Title: Genome-wide association studies suggest an association between DGKB and antipsychotic induced weight gain in Europeans and African Americans

Dr. Katherine Aitchison (University of Alberta)
Title: Drug metabolizing enzyme associations with response to agents used in neuropsychopharmacology

Dr. Bob Stowe (University of British Columbia)
Title: Pharmacogenomics in adult neuropsychiatric practice: real-world examples

Dr. Chad Bousman (University of Calgary)
Title: Selection and dosing of psychiatric medications: Do commercial pharmacogenetic-based decision support tools provide equivalent advice?

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

13:30 – 14:00 **CCNP Next Generation Presentation 1** (Theatre) –

Dr. Julie Blendy (University of Pennsylvania)
Title: Effects of early opioid exposure in mice: Influence of the OPRM1 SNP

Dr. Francesco Leri (University of Guelph)
Title: Intersection between nutrition and addiction: role of opioids

14:00 – 15:00 **CCNP Heinz Lehmann Award Lecture** (Theatre)

Dr. Alan Evans (McGill University)
Title: TBA

Chair: Dr. Ridha Joober (McGill University)

15:00 – 15:30 Break (Theatre Foyer or Sunroom)

15:30 – 17:00 **Symposium 2: Novel insights into the neurobiology of major depression** (Theatre)

Chair: Dr. Naguib Mechawar (McGill University)

Dr. Caroline Menard (Université Laval)
Title: Social stress induces neurovascular pathology and immune response promoting depression

Dr. Etienne Sibille (University of Toronto)
Title: Targeting Gabaergic Sst-Positive Interneurons deficits: Implications for Cognitive and Mood Symptoms in Depression and Other Brain Disorders

Dr. Benoit Labonté (Université Laval)
Title: Sex-specific transcriptional signatures in human depression

Dr. Naguib Mechawar (McGill University)
Title: The impact of child abuse on oligodendrocytes and myelination in the human brain

17:00 – 17:30 Free time

17:30 – 19:30 Reception (Sunroom)

FRIDAY JUNE 29, 2018

07:30 – 17:00 Registration (*Theatre Foyer*)

07:30 – 08:30 Breakfast (*Theatre Foyer*)

08:30 – 09:00 Welcoming Remarks –

09:00 – 10:30 **Symposium 3:** *Advancing patient care from Bench to Bedside – The people and processes driving innovation (And how you can be part of it)* (Theatre)

Chair: Dr. Thomas Raedler (University of Calgary)

Dr. Tara Moroz (Pfizer Canada)

Title: Bench to Bedside: The Road to a Pharmaceutical Product

Dr. Thomas Raedler (University of Calgary)

Title: Psychiatry Pharmacological Pipeline

Dr. Pierre Blier (University of Ottawa)

Title: Pharmacology Matters, or Does It? An Evaluation of Generic and Innovative Medicines

Dr. Anthony Phillips (University of British Columbia)

Title: Canadian Research in Neuroscience, Mental Health and Addictions – Where We Are Headed

10:30 – 11:00 Break (Theatre Foyer)

11:00 – 12:30 **Symposium 4:** *Cannabis and the brain: How Canadian research can lead the world* (Theatre)

Chair: Dr. Darrell Mousseau (University of Saskatchewan)

Dr. Richard Huntsman (University of Saskatchewan)

Title: Cannabidiol in Children with Refractory Epileptic Encephalopathy (CARE-E)

Dr. Robert Laprairie (University of Saskatchewan)

Title: Allosteric modulation of the type 1 cannabinoid receptor in absence epilepsy

Dr. Jane Alcorn (University of Saskatchewan)

Title Cannabis and the brain: How Canadian research can lead the world

Dr. Darrell Mousseau (University of Saskatchewan)

Title: Changes in CB1 receptor expression in Alzheimer disease, Parkinson's disease, and depression autopsied cortical samples.

12:30 – 14:00 Lunch (HSBC Hall/overflow)

13:00 – 14:00 **CCNP Poster Session 1** (HSBC Hall)

14:00 – 14:30 **CCNP Next Generation Presentation 2** (Theatre)

Dr. William Honer (University of British Columbia)
Title: Rapid Change in Fentanyl Prevalence in a Community-Based, High-Risk Sample

TBA
Title: TBA

14:30 – 15:30 **CCNP Young Investigator Award Lecture** (Theatre)
Drs. Isabelle Boileau (University of Toronto) and Stephanie Borgland (University of Calgary)
Title: TBA

Chair: Dr. Ridha Joober (McGill University)

15:30 – 15:45 Break (Theatre Foyer)

15:45 – 17:15 **Symposium 5: Neurostimulation: Clinical applications and mechanisms of action (retitle of: Mechanisms underlying novel applications of rTMS for the treatment of depression)** (Theatre)

Chair: Dr. Fidel Vila-Rodriguez (University of British Columbia)

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Title: Theta burst versus high frequency repetitive transcranial magnetic stimulation effectiveness evaluation in depression (THREE-D): a randomized non-inferiority trial.

Dr. Frank MacMaster (University of Calgary)
Title: Repetitive transcranial magnetic stimulation in adolescents with treatment resistant depression

Dr. Faranak Farzan (Simon Fraser University)
Title: Theta Burst Stimulation in Youth Depression

Dr. Zafiris Daskalakis (University of Toronto)
Title: Brain mechanisms for rTMS in depression

17:15 – 18:30 Free time

18:30 – 19:30 Gala Dinner – Cocktails (location TBD)

19:30 – 20:00 CCNP Medal Award Presentation to Dr. Patricia Boksa
Presenter: Dr. Ridha Joobar

19:30 – 22:00 Gala Dinner (location TBD)

SATURDAY JUNE 30, 2018

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

07:30 – 08:30 Breakfast (Theatre Foyer)

08:30 – 10:00 **Symposium 6: *New approaches for treatment of mental illness*** (Theatre)

Chair: Dr. Paul Albert (University of Ottawa)

Dr. Shimon Amir (Concordia University)

Title: Regulation and behavioral implications of clock gene expression in the striatum

Dr. Stephen Ferguson (University of Ottawa)

Title: CRF receptor1 regulates anxiety behaviour via sensitization of 5-HT2 receptor signaling

Dr. Paul Albert (University of Ottawa)

Title: When SSRI's don't work: altered 5-HT1A autoreceptor gene repression results resistance to chronic SSRI treatment

Dr. Pierre Blier (University of Ottawa)

Title: Novel approaches for early optimized treatment for clinical depression

10:00 – 10:30 **CCNP Next Generation Symposium 3** (Theatre)

Dr. Jennifer Bossert (National Institute on Drug Abuse)

Title: Modeling opioid maintenance therapy in rats: Effect of chronic buprenorphine on responding for drug-paired discrete cues in a non-drug context, context-induced reinstatement of drug seeking, and reacquisition of oxycodone self-administration

Dr. Drew Townsend (Virginia Commonwealth University):

Title: Development of an opioid vs. food choice procedure in both rats and nonhuman primates to evaluate candidate treatment strategies for opioid use disorder

10:30 – 11:00 Break (Theatre Foyer)

11:00 – 12:30 **Symposium 7: *Sex, stress, and mental health*** (Theatre)

Chair: Dr. Eric Dumont (Queen's University)

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Title: Sex-specific estrogenic neurophysiology in homeostasis brain circuits

Dr. Victor Viau (University of British Columbia)

Title: Sex differences in the hypothalamic-pituitary adrenal (HPA) axis and stress habituation

Dr. Nafissa Ismail (University of Ottawa)

Title: Pubertal probiotic treatment promotes resilience to stress-induced mood disorders

Dr. Seema Bhatnagar (University of Pennsylvania)

Title: Sex differences in the role of orexins in mediating habituation to repeated stress and stress-induced changes in sleep and cognitive function

12:30 – 14:00 Lunch (HSBC Hall/overflow)

13:00 – 15:00 **CCNP Poster Session 2** (HSBC Hall)

15:00 – 16:30 **Symposium 8: Antidepressant effects of ketamine: synaptic mechanisms and network dynamics** (Theatre)

Chair: Dr. Tak Pan Wong (McGill University)

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Title: Roles of the location of NMDA receptors in the antidepressant effects of ketamine

Dr. Yu Tian Wong (University of British Columbia)

Title: Critical Roles of Glutamatergic Receptors and Synaptic Plasticity in Ketamine Antidepressant Actions

Dr. Conor Liston (Cornell University)

Title: Targeted rescue of prefrontal circuit dysfunction by antidepressant-induced synaptogenesis

Dr. Alexander McGirr (University of Calgary)

Title: Cortical glutamatergic functional hyperconnectivity after chronic stress and selective network effects of subanesthetic ketamine

16:30 Poster Awards Presentation & Closing Remarks (Theatre)

Dr. Ridha Joobar (McGill University)