

**CCNP ANNUAL MEETING 2019**  
**Program**  
**Thomson House**  
**Montréal, Québec**  
**June 12 - 15**



## *Acknowledgments*

In keeping with CMA guidelines, program content and selection of speakers are the responsibility of the planning committee. Support is directed toward the costs and not to individual speakers through an unrestricted educational grant.

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### **BRONZE LEVEL SPONSORSHIP**



The Canadian College of Neuropsychopharmacology appreciates the ongoing support of Pfizer Canada Inc. for the Heinz Lehman, Innovations in Neuropsychopharmacology and the Young Investigator Awards.



## WEDNESDAY JUNE 12, 2019

12:00 – 19:00 Registration (Ballroom Foyer)

13:00 – 17:00 CCNP Council Meeting (Board Room)

17:00 – 18:00 **CCNP Heinz Lehmann Award Presentation (Ballroom)**

Dr. Guy Rouleau (McGill University)  
*Summary of G protein in bipolar*

18:00 – 19:00 **Public Talk** (Ballroom)

Dr. Patricia Conrod (University of Montreal)  
*How artificial intelligence can contribute to the prevention of substance use disorders*

## THURSDAY JUNE 13, 2019

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

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

08:30 – 09:00 Opening Remarks (Ballroom)

09:00 – 12:15 **Symposium 1: Gender and addiction** (Ballroom)

Co-Chairs: Dr. Marco Leyton (McGill University) and Dr. Cecilia Flores (McGill University)

09:00 – 10:00 Dr. Erin Calipari (Vanderbilt University, Tennessee, USA)

*A balancing act: females prioritize avoiding aversive stimuli when making value-based decisions*

10:00 – 10:15 Coffee Break (Ballroom Foyer)

10:15 – 11:15 Dr. Adriana Galvan (University of California, California, USA)

*Cigarette use in the developing adolescent brain*

11:15 – 12:15 Dr. Patricia Conrod (University of Montreal)

*Gender differences in the effects of substance misuse on structural and functional brain measures in adults and adolescents*

12:15 – 13:15 **Lunch and Poster Session 1**

13:15 – 15:15 **CCNP Next Generation Presentation 1** (Ballroom)

15:15 – 15:30 Coffee Break (Ballroom Foyer)

- 15:30 – 17:30 **Symposium 2: Brain adaptations to diet: how fats and sweets mess with our head** (Ballroom)  
Co-Chairs: Dr. Stephanie Fulton (University of Montreal) and Dr. Giovanni Hernandez (Douglas Mental Health University Institute)
- 15:30 – 16:00 Dr. Susanne Le Fleur (University of Amsterdam)  
*Your brain on junk food*
- 16:00 – 16:30 Dr. Stephanie Borgland (University of Calgary)  
*Modulation of endocannabinoid-mediated synaptic plasticity within the orbitofrontal cortex by a palatable diet*
- 16:30 – 17:00 Dr. Catharine Winstanley (University of British Columbia)  
*Dietary manipulations alter impulsivity and risky decision making in rats*
- 17:00 – 17:30 Dr. Stephanie Fulton (University of Montreal)  
*Dietary and neural components of obesity-induced motivational deficits*
- 17:30 – 19:30 **Posters and Wine & Cheese** (Restaurant)

#### **FRIDAY JUNE 14, 2019**

- 07:30 – 17:00 Registration (Ballroom Foyer)
- 07:30 – 08:30 Breakfast (Ballroom Foyer)
- 08:30 – 10:30 **Symposium 3: Unveiling pro-neuroplasticity mechanisms of cannabinoids, but not in front of the kids!** (Ballroom)  
Chair: Dr. Francis R. Bambico (Memorial University of Newfoundland; CAMH)
- 08:30 - 09:00 Dr. Tiziana Rubino (University of Insubria, Italy)  
*Role of the endocannabinoid system in adolescent brain remodeling*
- 09:00 – 09:30 Dr. Ryan J. McLaughlin (Washington State University, USA)  
*Maternal cannabis vapor exposure dose-dependently impairs behavioral flexibility in adult offspring*
- 09:30 – 10:00 Dr. Francis R. Bambico (Memorial University of Newfoundland; CAMH)  
*Adolescent exposure to delta-9-tetrahydrocannabinol modifies monoamine transmission and adaptive emotional responses to aversive stimuli*
- 10:00 – 10:30 Dr. Gabriella Gobbi (McGill University)  
*Bridging preclinical and clinical data in elucidating the age-dependent impact of cannabis use on mood disorders*
- 10:30 – 10:45 Coffee Break (Ballroom Foyer)

- 10:45 – 12:00 **Presidential Introduction and Lecture** (Ballroom)  
Dr. Yasmin Hurd (Icahn School of Medicine at Mount Sinai, USA)  
*Deciphering the neurobiology of cannabis as “drug” and “medication”*
- 12:00 – 13:00 **Lunch and Business Meeting**
- 13:00 – 15:00 **Symposium 4: Translational neuroimaging in neurodevelopmental disorders: from animal models to clinical populations and back again** (Ballroom)  
**Co-Chairs:** Dr. Mallar Chakravarty (McGill University) and Dr. Martin Lepage (McGill University)
- 13:00 – 13:30 Dr. Mallar Chakravarty (McGill University)  
*Translational brain imaging in neurodevelopmental disorders using large-scale clinical data and mouse models*
- 13:30 – 14:00 Dr. Synthia Guimond (University of Ottawa)  
*Subcortical changes in the development of psychosis: a longitudinal study of youth at familial risk for schizophrenia*
- 14:00 – 14:30 Dr. Signe Bray (University of Calgary)  
*Reward and sensorimotor brain systems in Autism spectrum conditions*
- 14:30 – 15:00 Dr. Anthony Vernon (King’s College, UK)  
*Maternal immune activation and brain development: relevance to psychiatric disorders*
- 15:00 – 15:15 Coffee Break (Ballroom Foyer)
- 15:15 – 17:15 **Symposium 5: The multilingual brain: interactions between several neurotransmitters during development, reward, and decision-making** (Ballroom)  
**Chair:** Dr. Giovanni Hernandez (Douglas Mental Health University Institute)
- 15:15 - 15:45 Dr. Willemieke Kouwenhoven (University of Montreal)  
*Investigation of the developmental downregulation and pathological upregulation of Vglut2 expression in DA neurons*
- 15:45 – 16:15 Dr. Kuei Tseng (University of Illinois at Chicago, USA)  
*Afferent regulation and prefrontal maturation during adolescence*
- 16:15 – 16:45 Dr. Salah El Mestikawy (McGill University; Pierre & Marie Curie University)  
*Regulation of reward and habits by cholinergic interneurons from the striatum*
- 16:45 – 17:15 Dr. Marisela Morales (National Institute on Drug Abuse, National Institutes of Health, USA)  
*Dorsal raphe combinatorial serotonin-glutamate neurons drive reward by establishing excitatory synapses on VTA mesoaccumbens*
- 17:15 – 19:15 **Posters and Cocktails** (Restaurant)

19:30 – 22:30 **Banquet and CCNP Awards Presentations**  
McGill Faculty Club and Conference Centre, 3450 McTavish St., Montreal, QC

**SATURDAY JUNE 15, 2019**

07:30 – 12:00 Registration (Ballroom Foyer)

07:00 – 08:30 Breakfast (Ballroom Foyer)

08:30 – 09:30 **CCNP Young Investigator Award Presentation** (Ballroom)  
Dr. Vincenzo de Luca (CAMH)  
*Interaction between current stress and genome-wide methylation in conferring risk for suicidal ideation*

09:30 – 11:30 **Symposium 6: Hippocampal mechanisms underlying depression vulnerability and treatment** (Ballroom)  
Chair: Dr. Tak Pan Wong (McGill University)

09:30 – 10:00 Dr. Jessie Muir (McGill University)  
*Sex specific neural signatures of stress-induced behavioral adaptation*

10:00 – 10:30 Dr. Tak Pan Wong (Douglas Mental Health University Institute)  
*Hippocampal negative memory engrams enhance stress susceptibility*

10:30 – 11:00 Dr. Benjamin Adam Samuels (Rutgers University, USA)  
*Molecular and neural circuit mechanisms underlying antidepressant treatment resistance*

11:00 – 11:30 Dr. Sonata Suk-yu Yau (Hong Kong Polytechnic University, Hong Kong)  
*Searching for exercise mimetic to improve stress resilience using animal models*

11:30 – 11:45 Coffee Break (Ballroom Foyer)

11:45 – 12:45 **CCNP Innovations in Neuropsychopharmacology Award Lecture** (Ballroom)  
Dr. Cecilia Flores (McGill University)  
*Does the netrin-1 pathway guide resilience and susceptibility in adolescence?*

12:45 **Closing Remarks**  
Dr. Francesco Leri (University of Guelph)

13:00 – 14:00 Lunch