

## Day 1 Thursday May 29<sup>th</sup>

8:30	Welcome: <b>Dr. John Dirks</b> , Gairdner Foundation Opening remarks: <b>William F. Colmers</b> and <b>Michel Bouvier</b>
9:00	Keynote opening Lecture: <b>Marc G. Caron</b> , Duke University
9:50	Health Break
	<b>Session 1: Transporters and Neurotransmitter Homeostasis – A</b> Chair: <b>Ali Salhapour</b> , University of Toronto
10:10	<b>Mark Wightman</b> , University of North Carolina <i>Stress Evokes Plasticity in Monoamine Neurotransmission</i>
10:40	<b>Bruno Giros</b> , McGill University <i>The Role of Dopamine in Learning and Memory</i>
11:10	<b>Sara Jones</b> , Wake Forest University <i>Cocaine Self-Administration Produces Pharmacodynamic Tolerance of the Dopamine Transporter</i>
11:40	<b>Jay Gingrich</b> , Columbia University <i>New Insights into Serotonin Signaling During Brain Development</i>
12:30 - 13:30	Lunch and Posters
	<b>Session 2: Transporters and Neurotransmitter Homeostasis – B</b> Chair: <b>Michel Bouvier</b> , Université de Montréal
13:30	<b>Stephanie Borgland</b> , University of Calgary <i>D1-D2 Dopamine Receptor Cooperativity in the Orbitofrontal Cortex</i>
14:00	<b>Raul R. Gainetdinov</b> , Italian Institute of Technology <i>Trace Amine Associated Receptors TAAR1 and TAAR5: New Players in Monoaminergic Signaling</i>
14:30	<b>Manju A. Kurian</b> , University College London <i>Dopamine Transporter Deficiency Syndrome: Genotypes, Phenotypes and Novel Insights into Transporter Function</i>
15:00	<b>Randy D. Blakely</b> , Vanderbilt University <i>DAT's Got My Attention: Nonvesicular Dopamine Release and ADHD</i>
15:30	Health Break
16:00	Day 1 Closing Lecture: <b>Rémi Quirion</b> , McGill University, Chief Scientist of Québec <i>The Unique Challenges of Mental Health: Beyond the Usual</i>
17:00	Poster presentations and judging
18:30	Reception

## Day 2 Friday May 30<sup>th</sup>

9:00	Opening Lecture: <b>Anthony A. Grace</b> , University of Pittsburgh <i>Dopamine Neuron Regulation and its Disruption in Schizophrenia and Depression</i>
	<b>Session 3: Canonical and Atypical Monoaminergic Signaling – A</b> Chair: <b>Stéphane A. Laporte</b> , McGill University
9:50	<b>Susan George</b> , University of Toronto <i>Dopamine Receptor Heteromeric Complexes: Emerging Functions in Brain</i>
10:20	<b>Stephen S. G. Ferguson</b> , University of Western Ontario <i>Endocytosis and Recycling Dependent Enhancement of 5-HT<sub>2</sub> Receptor Signaling by Corticotropin Releasing Factor Receptor 1</i>
10:50	Health break
11:10	<b>Martin Beaulieu</b> , Université Laval <i>Dopamine Receptor Mediated Beta-arrestin Signaling Cross-talk Regulates Mood-related Behavior</i>
11:40	<b>Laura Bohn</b> , Scripps Florida <i>Determining Functional Selectivity at Opioid Receptors in vivo and the Implications for Treating Neurological Disorders</i>
12:10 - 13:30	Lunch
	<b>Session 4: Canonical and Atypical Monoaminergic Signaling – B</b> Chair: <b>Amy Ramsey</b> , University of Toronto
13:30	Keynote Plenary Lecture: <b>Susan G. Amara</b> , National Institutes of Mental Health <i>Dynamic Regulation of Signaling Pathways in Dopamine Neurons: The Intracellular Actions of Amphetamines</i>
14:20	Health Break
14:40	<b>Emiliana Borrelli</b> , University of California Irvine <i>The Multiple Personalities of Dopamine D2 Receptors</i>
15:10	<b>Gerald W. Zamponi</b> , University of Calgary <i>Regulation of Calcium Channels by GPCRs</i>
15:40	Health Break
16:00	Day 2 closing lecture: <b>Karl Deisseroth</b> , Stanford University <i>Illuminating the Brain: Optical Deconstruction of Fully-assembled Biological Systems</i>
16:50	Closing remarks by <b>Marc G. Caron</b> , Duke University
17:00	Departure

### Honorary President:

**Marc G. Caron**, Duke University

### Co-Chairs:

**William F. Colmers**, University of Alberta  
**Michel Bouvier**, Université de Montréal

### Organizing Committee:

**Martin Beaulieu**, Université Laval  
**Stephen S. G. Ferguson**, University of Western Ontario  
**Stéphane A. Laporte**, McGill University  
**Ali Salhapour**, University of Toronto

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