

EARLY  
TRIGGERS  
OF PARKINSON'S  
DISEASE

ÉLÉMENTS  
DÉCLENCHEURS  
DE LA MALADIE  
DE PARKINSON

Toutes les conférences se dérouleront en anglais  
All presentations will be given in English

Programme préliminaire / Preliminary program

Mai 21 - 22 May 2019

**41<sup>e</sup> Symposium international en neurosciences de l'Université de Montréal**  
**Éléments déclencheurs de la maladie de Parkinson**  
**Early Triggers of Parkinson's Disease**

Pavillon 3200 Jean-Brillant, local B-2245

**Comité organisateur / Organizing committee:** Antoine Duquette, Alexandru Hanganu, Nicole Leclerc, Daniel Lévesque, Diana Matheoud, Michel Panisset, Martine Tétreault, Louis-Eric Trudeau.

## Mardi, 21 mai / Tuesday, May 21

7 h – 8 h

Accueil

8 h – 8 h 45

Mots de bienvenue / Opening statements

**Christian Baron**, vice-doyen, recherche et développement, Faculté de médecine

**Patrick Cossette**, directeur, Département de neurosciences

**Michel Panisset**, professeur, Département de neurosciences

## SESSION 1

### Early phenotyping and detection of Parkinson's disease

Modérateur / Moderator: Antoine Duquette

8 h 45 – 9 h 15

**Roger Barker, Ph.D.**

Department of Clinical Neurosciences

University of Cambridge, Cambridge, UNITED KINGDOM

**Parkinson's Disease- one disorder or many?**

9 h 20 - 9 h 50

Conférencier à venir

Département de neurosciences  
Faculté de médecine

Université   
de Montréal  
et du monde.

Ce programme est sujet à des modifications  
Mise à jour 6 février 2019

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- 10 h – 10 h 25 Pause-café / Coffee break
- 10 h 25 – 10 h 55 **Andrew D. Siderowf, M.D.**  
Department of Neurology  
University of Pennsylvania, Philadelphia, PA, USA
- 11 h – 11 h 30 **Conférencier à venir**
- 11 h 35 – 13 h Repas / Lunch: Cafétéria Jean-Brillant
- 13 h – 14 h Session d'affiches / Poster session

## SESSION 2

### Patient-derived systems to study early triggers and novel therapeutics

Modérateur / Moderator: Martine Tétreault

- 14 h – 14 h 30 **Thomas M. Durcan, Ph.D.**  
Department of Neurology and Neurosurgery  
Montreal Neurological Institute and Hospital  
McGill University, Montreal, QC, Canada  
**Developing new models of Parkinson's through stem cells**
- 14 h 40 – 15 h 10 **Janelle Drouin-Ouellet, Ph. D.**  
Faculté de pharmacie  
Université de Montréal, Montréal, QC, Canada  
**Direct neuronal reprogramming to study sporadic Parkinson's disease**
- 15 h 15 – 15 h 35 Pause-café / Coffee break
- 15 h 40 – 16 h 10 **Michela Deleidi, Ph.D.**  
Department of Neurodegenerative Diseases  
University of Tübingen, Tübingen, Germany
- 16 h 15 – 16 h 45 **Conférencier à venir**
- 18 h **Cocktail et banquet**

## Mercredi, 22 mai / Wednesday, May 22

7 h 40 – 8 h 40 Accueil

### SESSION 3

#### Early pathophysiological triggers and biomarkers of Parkinson's disease

Modérateur / Moderator: Daniel Lévesque

8 h 45 – 9 h 15 **Richard Youle, Ph.D.**  
Biochemistry section  
National Institute of Neurological Disorders and Stroke, Bethesda,  
MD, USA  
**Neuroinflammation stemming from mitochondrial DAMPs linked to Parkinson's disease genes and mitophagy defects**

9 h 20 – 9 h 50 **Francesca Cicchetti, Ph. D.**  
Département de psychiatrie et de neurosciences  
Université Laval, Québec, QC, Canada  
**Erythrocytes derived microvesicles: a new biomarker of Parkinson's disease**

9 h 55 – 10 h 10 Pause-café / Coffee break

10 h 10 – 10 h 30 **Louis-Eric Trudeau, Ph. D.**  
Département de pharmacologie et de physiologie  
Université de Montréal, Montréal, QC, Canada  
**Axonal arbor size and bioenergetics and determinants of early vulnerability**

10 h 35 – 11 h 05 **Anurag Tandon, Ph.D.**  
Department of Medicine  
University of Toronto, Toronto, ON, Canada  
**Gene therapy for synucleinopathies**

11 h 05 – 12 h 05 Session d'affiches / Poster session

12 h 05 – 13 h Repas / Lunch: Cafétéria Jean-Brillant

## SESSION 4

### Inflammation and immune responses as early triggers of Parkinson's

Modérateur / Moderator: Michel Desjardins

- 13 h – 13 h 30**     **Ashley S. Harms, Ph.D.**  
Department of Neurology  
University of Alabama at Birmingham, Birmingham, AL, USA  
**Alpha-Synuclein and the immune response in Parkinson's disease**
- 13 h 35 – 14 h 05**     **Malú G. Tansey, Ph.D.**  
Department of Physiology  
Emory University School of Medicine, Atlanta, GA, USA  
**Inflammation et interactions avec le système immunitaire dans la MP. Gut-brain Interactions**
- 14 h 10 – 14h 25**     Pause-café / Coffee break
- 14 h 30 – 15 h**     **Diana Matheoud, Ph. D.**  
Département de neurosciences  
Centre de recherche du CHUM  
Université de Montréal, Montréal, QC, Canada  
**Parkinson's disease related proteins PINK1 and Parkin are major regulators of the immune system**
- 15 h 05 – 15 h35**     **Antonio P. Strafella, Ph.D.**  
Campbell Family Mental Health Research Institute  
Department of Medicine's Division of Neurology  
University Health Network, Toronto, ON, Canada  
**PET radioligands for imaging brain microglial activation in neurodegenerative disease**
- 15 h 40 – 16 h**     Mot de clôture