

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 / Program

Mai 21 - 22 May 2019

41^e Symposium international en neurosciences de l'Université de Montréal
Éléments déclencheurs de la maladie de Parkinson
Early Triggers of Parkinson's Disease

Pavillon 3200, rue 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 30 – 8 h 30 Accueil

8 h 30 – 9 h 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

9 h – 9 h 30 **Roger Barker, Ph.D.**
Department of Clinical Neurosciences
University of Cambridge, Cambridge, UNITED KINGDOM
Parkinson's Disease- one disorder or many?

9 h 40 - 10 h 10 **Andrew D. Siderowf, M.D.**
Department of Neurology
University of Pennsylvania, Philadelphia, PA, USA
Prodromal Parkinson Disease: Lessons from PARS and PPMI

Département de neurosciences
Faculté de médecine

Université 
de Montréal
et du monde.

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

10 h 10– 10 h 40 Pause-café / Coffee break

10 h 40 – 11 h 20 **Antonio P. Strafella, Ph.D.**
Campbell Family Mental Health Research Institute
Department of Medicine's Division of Neurology
University Health Network, Toronto, ON, CANADA
Neuroimaging biomarkers for early detection of Parkinsonism

11 h 30 – 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
Innate immunity and immune cell metabolism: links to Parkinson's disease

16 h 15 – 17 h 15 Session d'affiches / Poster session

18 h **Cocktail et banquet / Cocktail and banquet**
Restaurant Le Cercle
3000, chemin de la Côte-Sainte-Catherine, 6^e étage

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** **Marina Romero-Ramos, Ph.D.**
Department of Biomedicine
Aarhus University, Aarhus, DENMARK
Peripheral Monocytic Cells in Parkinson's Disease
- 13 h 35 – 14 h 05** **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
- 14 h 10 – 14h 25** Pause-café / Coffee break
- 14 h 30 – 15 h** **Malú G. Tansey, Ph.D.**
Department of Physiology
Emory University School of Medicine, Atlanta, GA, USA
The role of inflammation and immune responses in the gut-brain axis in Parkinson's disease
- 15 h 05 – 15 h35** **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 40 – 16 h** Mot de clôture / Closing statements