

Honouring Jean Gotman and Marilyn Jones-Gotman



# **NEUROPHYSIOLOGY, NEUROPSYCHOLOGY, EPILEPSY, 2022:**

## **HILLS WE HAVE CLIMBED AND THE HILLS AHEAD**

### **SCIENTIFIC PROGRAM**

Jeanne Timmins Amphitheatre, The Neuro, 3801 University Street

**May 27 – Biomarkers of Epileptogenicity: Neurophysiology  
and Imaging**

8:30      **Welcome – Introduction to Day 1**  
François Dubeau, Canada  
Paolo Federico, President CLAE, Canada

### **Session 1: High Frequency Oscillations, a new biomarker in epilepsy**

Chairs: Christophe Grova, George Kostopoulos

9:00      **HFOs: Where do they come from and where are they  
going?**  
Jerome Engel, Jr., USA (*Virtual*)

9:40      **HFOs: Do they really mark the epileptic tissue?**  
Julia Jacobs, Canada

10:20     **Refreshment pause**

10:40     **Back to the future: Is ECoG the answer?**  
Maeike Zijlmans, The Netherlands

11:20     **Separating healthy from epileptic HFOs**  
Birgit Frauscher, Canada

12:00     **Lunch and poster session**

Note: Held in the Concourse space, Percival Molson Stadium

13:15 **Keynote – Gloor Lecture**  
Chair: Dang Nguyen, Canada

**EEG and epilepsy – the future**  
Samuel Wiebe, Canada

**Session 2: Probing the epileptic focus from inside and from outside**

Chairs: Louise Tyvaert, Barbara Jobst

14:10 **Finding the epileptic focus with functional imaging**  
Graeme Jackson, Australia

14:50 **Refreshment pause**

15:10 **Connecting extra- and intracerebral signals: How EEG and MEG relate to intracerebral EEG**  
Christian Bénar, France

15:50 **Functional connectivity and network hubs in focal epilepsy**  
Christophe Grova, Canada

16:30 **Diagnostic and therapeutic use of neurostimulation**  
Philippe Kahane, France

17:10 **Recollections**  
Chair: Birgit Frauscher  
George Kostopoulos  
Nicolas von Ellenrieder  
Rina Zelman  
Pierre LeVan  
Marc Saab  
Massimo Avoli

**May 28 – Cognition and Sensory Systems in Healthy and Diseased Subjects**

8:30      **Welcome – Introduction to Day 2**  
Julien Doyon, Canada  
Robert Zatorre, Canada (*virtual*)

**Session 3: Neuropsychology in epilepsy and other neurological disorders**

Chairs: Lauren Dade, Jelena Djordjevic

9:00      **History, major achievements, and future of neuropsychology in epilepsy**  
Gail Risse, USA

9:40      **Presurgical prediction of language and memory in epilepsy: Still a role for IAP**  
Viviane Sziklas, Canada

10:20     **Refreshment pause**

10:40     **Neurocognitive impact of seizures and epilepsy surgery on children with epilepsy**  
Mary Lou Smith, Canada

11:20     **Sex differences in normal cognition and neurological disease**  
Sarah Banks, USA (*Virtual*)

12:00     **Lunch and poster session**  
[Note: Held in the Concourse space, Percival Molson Stadium](#)

13:15     **Keynote lecture**  
Chair: Alain Dagher, Canada

**Dietary influences on brain function and cognition**  
Dana Small, USA

## **Session 4: Epilepsy research widens Penfield's window on the brain**

Chairs: Johan Lundstrom, Catherine Rouby

**14:10 How hunger-related changes in hypothalamic neurons influence cortical processing of food-predicting cues**

Mark Andermann, USA

14:50 Refreshment pause

**15:10 Differences in brain structure related to expertise: Olfactory training**

Johannes Frasnelli, Canada

**15:50 Language experience and its role in changing our brains**

Denise Klein, Canada

**16:30 Population neuroscience: Merging old and new to learn more**

Tomas Paus, Canada

**17:10 Recollections**

Chair: Natalie Phillips

Dylan D. Wagner

Lauren Dade

Stephan Kennepohl

Jelena Djordjevic

Devin Sodums

Johan Lundstrom

17:40 Closing cocktail (onsite)