Wednesday, September 21

Delegate & Guest Arrival - Lobby Area
Welcome Reception (Lobby Bar area)
Dinner - Elliot’s Dining Room (on their own schedule)

Thursday, September 22

Breakfast
WELCOME!! (8:00 a.m.)
Introductory Lecture: The Epidemiology of Epilepsy and Important Comorbidities: Autism, Depression, Dementia, and Psychosis.

Session 1 - Autism and Epilepsy (Chair: Isabel Smith)
Illustrative Case
The childhood perspective in autism-epilepsy spectrum.

Autism as Comorbidity in New-onset Epilepsy: The Perspective from an Adult First Seizure.
Using Overnight Sleep EEG in 1-4 year old Toddlers with Autism to Identify Early Pathophysiology.

Autism Spectrum Disorder: A Disorder of Aberrant Connecitivity.

Session 2 - Depression & Anxiety and Epilepsy (Chair: Andres Kanner)
Illustrative Case
Do Pathogenic Mechanisms Operant in Mood Disorders and Schizophrenia Explain their Higher Comorbidity in Patients with Epilepsy?
Role of Past Stressful Events in the Development of Brain Network Pathologies.


Outdoor BBQ, bonfire, and entertainment

Friday, September 23

Opening Remarks (8:00 a.m.)

Session 3 - Aging & Dementia and Epilepsy (Chair: Sultan Darvesh)
Illustrative Case
The Neuromuscular Unit in Aging and Epilepsy.

Network Abnormalies and Interneuron Dysfunction in Alzheimer’s Disease.

When and How Epilepsy is Relevant to Alzheimer’s Disease.

Features of Creatures Subjected to Seizures.
Friday, September 23

**Session 4 - Schizophrenia and Epilepsy (Chair: Bernd Pohlmann-Eden)**

**Illustrative Case**

- The Face of Post-ictal Psychosis: The Meeting Point of Epilepsy and Schizophrenia.  
  Dr. Candice Crocker
- TLE and Schizophrenia Psychosis have Common Substrate in Hippocampal Dysregulation of the Dopamine System.  
  Dr. Anthony Grace
- Excitation-inhibition Coordination and Discoordination in the Judicious and Pathological use of Information.  
  Dr. André Fenton
- Schizophrenia as a Network Disorder: The Clinical Perspective.  
  Dr. Jason Morrison
- Basic Science: Temporal Lobe Epilepsy and Schizophrenia: Where is the Link?  
  Dr. Astrid Nehlig

**Saturday, September 24**

Opening Remarks (8:00 a.m.)

**Session 5: Translation and Epilepsy (Chair: Ramon Diaz-Arrasita)**

**Shared FCD Pathology in Autism and Epilepsy.**  
Dr. Ingmar Bluemcke

**Brain Networks in Epilepsies: What we have Learned by Recent Neuroimaging Studies.**  
Dr. Fernando Cendes

**Network Disorders: Genetic, Biochemical and Molecular Connections.**  
Dr. Narayan Prasad

**Break and Checkout**

**Role of Inflammation on Neural Circuit Behaviour in Brain Disorders.**  
Dr. Karen Wilcox

**Endophenotypes of Traumatic Brain Injury: Designing the Next Generation of Clinical Trials for Post-traumatic Epilepsy.**  
Dr. Ramon Diaz-Arrasita

**Conference wrap up**

**Lunch**

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**Good-bye and Thank you all for coming to make the 4th Halifax International Epilepsy Conference and Retreat such an enjoyable, learning experience.**

**The Steering Committee**

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**ucb**

**Eisai**

**Sunovion**