

# 4th Halifax International Epilepsy Conference & Retreat Network Diseases

White Point Beach, Nova Scotia, Canada  
22 - 24 September 2016

dementia  
depression  
brain  
network  
diseases  
autism  
epilepsy  
schizophrenia

## 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, Dementia, Depression and Psychosis.*

Dr. Bernd Pohlmann-Eden

Dr. Nathalie Jeté

### Session 1 - Autism and Epilepsy (Chair: Isabel Smith)

Illustrative Case

Dr. Peter Camfield

The childhood perspective in autism-epilepsy spectrum.

Dr. Carole Camfield

*Autism as Comorbidity in New-onset Epilepsy: The Perspective from an Adult First Seizure.*

Dr. Bernd Pohlmann-Eden

*Using Overnight Sleep EEG in 1-4 year old Toddlers with Autism to Identify Early Pathophysiology.*

Dr. Illan Dinstein

*Autism Spectrum Disorder: A Disorder of Aberrant Connectivity.*

Dr. Evdokia Anagnostou

### Session 2 - Depression & Anxiety and Epilepsy (Chair: Andres Kanner)

Illustrative Case

Karen Legg, MN, RN-NP

*Do Pathogenic Mechanisms Operant in Mood Disorders and Schizophrenia Explain their Higher Comorbidity in Patients with Epilepsy ?*

Dr. Andres Kanner

*Role of Past Stressful Events in the Development of Brain Network Pathologies.*

Dr. Christophe Bernard

*Deep Brain Stimulation & Depression: A Model for a Network approach.*

Dr. Peter Giacobbe

*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

Dr. Bernd Pohlmann-Eden

*The Neuromuscular Unit in Aging and Epilepsy.*

Dr. Alon Friedman

*Network Abnormalities and Interneuron Dysfunction in Alzheimer's Disease.*

Dr. Jorge Palop

*When and How Epilepsy is Relevant to Alzheimer's Disease.*

Dr. Helen Scharfman

*Features of Creatures Subjected to Seizures.*

Dr. Hans Foerstl

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**Friday, September 23**

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

Illustrative Case

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

**Saturday, September 24**

Opening Remarks (8:00 a.m.)

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

<i>Shared FCD Pathology in Autism and Epilepsy.</i>	Dr. Ingmar Bluemcke
<i>Brain Networks in Epilepsies: What we have Learned by Recent Neuroimaging Studies.</i>	Dr. Fernando Cendes
<i>Network Disorders: Genetic, Biochemical and Molecular Connections.</i>	Dr. Narayan Prasad
<i>Break and Checkout</i>	
<i>Role of Inflammation on Neural Circuit Behaviour in Brain Disorders.</i>	Dr. Karen Wilcox
<i>Endophenotypes of Traumatic Brain Injury: Designing the Next Generation of Clinical Trials for Post-traumatic Epilepsy.</i>	Dr. Ramon Diaz-Arrasita
Conference wrap up	The Steering Committee
Lunch	

*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*

