

4th Halifax International Epilepsy Conference & Retreat September 22 to 24, 2016

Epilepsy as a Network Disorder

What can we learn from other disorders such as autism, depression, dementia and schizophrenia?



White Point Beach Lodge
Nova Scotia, Canada

The Learning Environment

We will create an informal stimulating atmosphere of fresh and conceptual thinking among the participants and speakers. The group of participants is limited to 60 people to allow interactive learning and small group discussions. World-leading experts are part of our roundtable throughout this event.

Registration fees (full conference):

Participants

\$350 (CAD) before July 1st, 2016,
\$550 (CAD) after July 1st, 2016.

Students

\$200 (CAD) before July 1st, 2016
\$350 (CAD) after July 1st, 2016

**Early registration is strongly recommended
as the number of participants is limited**

How to register:

Please mail your cheque and registration form to: Janet Marshall
MEOPAR, Suite 2-41, 1355 Oxford Street
Halifax, NS B3H 4J1
"email_to_janet@hotmail.com"

Accommodation:

Please contact White Point Beach Resort directly: 1-800-565-5068, 1-902-354-2711
Email: "greatday@whitepoint.com"
www.whitepoint.com.

Conference room rates:

\$230 (CAD) /night - single occupancy
\$170 (CAD) /person/night - double occupancy
All rates plus 15% HST and 12% Gratuity

Further information:

Bernd Pohlmann-Eden MD, PhD
Professor of Neurology, Dalhousie University,
Halifax, NS, Canada
"b.pohlmann-eden@dal.ca"

Ms. Janet Marshall at:
"email_to_janet@hotmail.com"



Dear Participant,

Numerous clinical, neuroimaging and experimental features confirm that epilepsy is a complex network disorder with striking similarities to other brain diseases and disorders. We propose to specifically consider autism, depression, dementia and schizophrenia in order to learn more about these network disorders and develop new ways to approach epilepsy.

In this context, we believe there is a huge (and often missed) opportunity to increase our understanding of neurological and psychiatric disorders (epilepsy specifically) by broadening our perspectives about their potential underlying mechanisms and looking "next door".

We will mix illustrative case presentations, basic science lectures and clinical talks. A major focus will be on new methodologies including imaging data and genetics to identify shared mechanisms. This is a brainstorm/ think tank meeting with world leading faculty and an excellent learning and "network" opportunity.

Hope to see you in beautiful Nova Scotia in September 2016!

*Bernd Pohlmann-Eden MD, PhD (Halifax)
Alon Friedman MD, PhD (Halifax)
Candice Crocker PhD (Halifax)
Helen Scharfman PhD (New York)*

The Scientific Steering Committee

Faculty & Program

Thursday, September 22

Welcome & Introduction

Bernd Pohlmann-Eden, Halifax, CA

Keynote Presentation

Nathalie Jetté, Calgary, CA

The Epidemiology of Epilepsy and Important Comorbidities: Autism, Dementia, Depression and Psychosis

Autism & Epilepsy

Isabel Smith, Halifax, CA - Chair

Illustrative Case (Peter Camfield)

Carol Camfield, Halifax, CA

The childhood perspective on autism-epilepsy spectrum disorder

Bernd Pohlmann-Eden, Halifax, CA

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

Ilan Dinstein, Be'er Sheva, IL

Using Overnight Sleep EEG in 1-4 Year Old Toddlers with Autism to Identify Early Pathophysiology

Evdokia Anagnostou, Toronto, CA

Autism Spectrum Disorder: A Disorder of Aberrant Connectivity

Depression, Anxiety & Epilepsy

Andres Kanner, Miami, US - Chair

Illustrative Case (Karen Legg)

Andres Kanner, Miami, US

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

Christophe Bernard, Marseille, FR

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

Peter Giacobbe, Toronto, CA

Deep Brain Stimulation & Depression: A Model for a Network Approach

Friday, September 23

Aging, Dementia & Epilepsy

Sultan Darvesh, Halifax, CA - Chair

Illustrative Case (Bernd Pohlmann-Eden)

Alon Friedman, Halifax, CA

The Neuromuscular Unit in Aging and Epilepsy

Jorge Palop, San Francisco, US

Network Abnormalities and Interneuron Dysfunction in Alzheimer's Disease

Helen Scharfman, New York City, US

When and How Epilepsy is Relevant to Alzheimer's Disease

Hans Foerstl, Munich, DE

Features of Creatures Subjected to Seizures

Schizophrenia & Epilepsy

Bernd Pohlmann-Eden, Halifax, CA - Chair

Illustrative Case (Mark Sadler)

Candice Crocker, Halifax, CA

The Face of Post-ictal Psychosis: The Meeting of Epilepsy and Schizophrenia

Anthony Grace, Pittsburg, US

TLE and Schizophrenia Psychosis have Common Substrate in Hippocampal Dysregulation of the Dopamine System

André Fenton, New York, US

Excitation-inhibition Coordination and Discoordination in the Judicious and Pathological use of Information

Jason Morrison, Halifax, CA

Schizophrenia as a Network Disorder: The Clinical Perspective

Astrid Nehlig, Strasbourg, FR

Basic Science: Temporal Lobe Epilepsy and Schizophrenia - Where is the Link?

Saturday, September 24

Translation & Epilepsy

Ramon Diaz-Arrastia, Rockville, US - Chair

Ingmar Blümcke, Erlangen, DE

Shared FCD Pathology in Autism and Epilepsy

Fernando Cendes, Sao Paulo, BR

Brain Networks in Epilepsies: What we have Learned by Recent Neuromaging Studies?

Ramon Diaz-Arrastia, Rockville, US

Endophenotypes of Traumatic Brain Injury: Designing the Next Generation of Clinical Trials for Post-traumatic Epilepsy

Narayan Prasad, London, CA

Network Disorders: Genetic, Biochemical and Molecular Connections

Karen Wilcox, Salt Lake City, US

Role of Inflammation on Neural Circuit Behaviour in Brain Disorders

Wrap-up session –
Future directions

