



2021 CERI Symposium

Virtual

Thursday September 23 rd , 2021	
7:45a.m. (MT)	Welcome
8:00 a.m.	<p>Session 1. Comorbidities/Clinical</p> <p><u>Jayant Seth</u> <i>The effect of vagus nerve stimulation on the quality of sleep in medically refractory epileptic patients</i></p> <p><u>Yassine Lamrani</u> <i>Classification of ictal and inter-ictal states using breathing and heart rates obtained with the Hexoskin wearable device</i></p> <p><u>Pouyan Tavakoli-Yaraki</u> <i>EEG and Magnetic Resonance Imaging abnormalities in patients with Psychogenic Non-Epileptic Seizures</i></p> <p><u>Tamara Tavres</u> <i>Emotion Recognition and Empathic Responding in Adolescents with Epilepsy: A Canada-Wide Investigation</i></p>
9:00 a.m.	Break
9:15 a.m.	<p>Session 2: Comorbidities/Animal Models</p> <p><u>Samuel Tene Tadoum</u> <i>A novel mouse model of FASN-associated neurodevelopmental disorders</i></p> <p><u>Renaud Gom</u> <i>The Influence of Seizure-Induced Stress on Fear and Anxiety Behavior</i></p>

	<p><u>Emily Gordon</u> <i>Investigating the role of Rac1 in mediating accelerated long-term forgetting in an animal model of epilepsy</i></p> <p><u>Kerri Mozessohn</u> <i>Amygdala kindling alters pain sensitivity and pain-related emotional behaviour in rats</i></p>
10:15 a.m.	<p>Keynote Lecture</p> <p><u>Dr. Alon Freidman, Dalhousie University</u> <i>Vascular dysfunction in epilepsy: a new target for diagnosis and therapy ?</i></p>
11:15 a.m.	<p>Lunch</p>
12:15 p.m.	<p>Session 3: Therapeutics</p> <p><u>Bianca Villa</u> <i>Dual Effect of Mitochondrial Uncoupler 2,4-Dinitrophenol on Brain Oxygen Levels and Postictal Hypoxia</i></p> <p><u>Yasaman Javadzadeh</u> <i>Electrophysiological Studies of Medical Cannabis in Epileptic Mouse Cerebral Cortex</i></p> <p><u>Rachel Barr</u> <i>Prevention of Trauma-Induced Epileptogenesis Using Transcranial Direct Current Stimulation</i></p>
1:00 p.m.	<p>Session 4: Genetics</p> <p><u>Christie Noschang</u> <i>The influence of sex on gene x environment interactions in epileptogenesis in a mouse model of Dravet</i></p> <p><u>Delphine Aubin</u> <i>Febrile seizure incidence and age at first occurrence are associated with changes in placental normalized gene expression: the '3D' pregnancy cohort study</i></p> <p><u>Tayyaba Saleem</u> <i>Association of BDNF Val66Met with idiopathic generalized epilepsy</i></p> <p><u>Hafsa Magbool</u></p>

	<i>Genetic analysis of MDR1 gene polymorphism in drug resistance epilepsy patients of Pakistan</i>
2:00 pm.	Break
2:15 p.m.	<p>Session 5: Predictive, Computational and EEG</p> <p><u>Trang Tran</u> <i>Discrimination of normal brain tissue from dysplastic tissue in focal cortical dysplasia using Raman spectroscopy</i></p> <p><u>Siyam Wang</u> <i>Patterns of interictal spikes associated with HFOs during the latent period of mesial temporal lobe epilepsy in mice</i></p> <p><u>Maryam Hasanzadeh Mofrad</u> <i>Spectral shifts across distributed networks in cortex predict seizure onset</i></p> <p><u>Omar Yossofzai</u> <i>Machine Learning for Prediction of Seizure Outcome After Pediatric Epilepsy Surgery</i></p> <p><u>Arun Thurairajah</u> <i>Electrical Source Imaging of the Ictal Onset zone in the surgical evaluation of Children with Epilepsy</i></p>
3:30 p.m.	Wrap-up