

CANADIAN LEAGUE AGAINST EPILEPSY SCIENTIFIC MEETING

PROGRAM

SEPTEMBER 21-23, 2018

DELTA HOTELS BY MARRIOTT ST. JOHN'S CONFERENCE CENTRE

LIGUE CANADIENNE CONTRE L'ÉPILEPSIE PROGRAMME, RÉUNION SCIENTIFIQUE 2018

CENTRE DES CONGRÈS, DELTA HOTELS BY MARRIOTT ST. JOHN'S

ST JEAN, TERRE-NEUVE

21-23 SEPTEMBRE, 2018



@CLAE_LCCE
#CLAE2018

WELCOME FROM THE PRESIDENT

Dear friends and colleagues,

It is my absolute pleasure, on behalf of the Canadian League Against Epilepsy (CLAE), to welcome you to the 2018 Scientific Meeting in beautiful St. John's, Newfoundland.

I would like to take this opportunity to thank Dr. Mark Keezer, our Director of Education, and the Education Committee for helping us develop a program for this meeting that is broad in scope and very translational. There are sessions for everyone! Topics this year include Brain on Fire: Inflammation and the Childhood Onset Epilepsies, Artificial Intelligence and Epilepsy and Post-Traumatic Epileptogenesis: From Bench to Bed, among others.

Our annual Fun Run/Walk to raise money for the CLAE will take place on Saturday, September 22 at 6:30 a.m. This great event is aimed at raising funds for epilepsy research, educational activities, and much more. There is still time to register and make your donations – you can do so on the CLAE website at www.claegroup.org.

I would also like to take this opportunity to congratulate the Canadian Epilepsy Alliance on their 20th anniversary. Thank you very much for everything you're doing to help patients living with epilepsy!

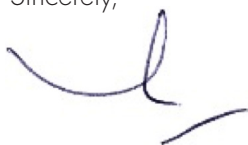
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I invite all CLAE members to attend the Annual General Meeting on Friday, September 21 at 5:00 p.m., where new members of the CLAE Board will be announced. Shortly after, I will give the Welcome and Presidential Lecture. The evening of September 21 will conclude with the plenary talk by Dr. Jeffrey Britton on the topic of Autoimmune Epilepsies: Recognition and Treatment.

Finally, a heartfelt thank you to Dr. Jorge Burneo for his leadership over the past two years as CLAE President. I know I speak for all CLAE members in expressing how truly grateful we are for the time and energy he has volunteered on our behalf to advance the mission of the CLAE.

I hope this conference provides you the opportunity to expand your collaborative network so that we can continue to work together to improve the lives of those living with epilepsy in Canada and beyond. Welcome and enjoy your time in St. John's, a city of beauty, culture, cuisine, and so much more!

Sincerely,



Dang Nguyen
President, CLAE

Thank you to the 2017-2018 CLAE Board of Directors:

Jorge Burneo, President
Dang Nguyen, President Elect
Mary Lou Smith, Secretary and CPEN Representative
David Steven, Treasurer
Mark Keezer, Director of Education
Kristin Ikeda, Junior Member Representative
Deirdre Floyd, CEA Representative
Aylin Reid, CERI Representative
Samuel Wiebe, ILAE Representative
Laura Jurasek, CENG Representative

Wi-Fi

Connect to Conference Delta,
password: **YYTDS**

MOT DE BIENVENUE DU PRÉSIDENT

Chers amis et collègues,

Au nom de la Ligue Canadienne Contre l'Épilepsie (LCCE), il me fait plaisir de vous souhaiter la bienvenue dans la magnifique ville de St-Jean pour notre réunion annuelle.

J'aimerais d'abord remercier Dr Mark Keezer, notre Directeur de l'Éducation, ainsi que le comité éducatif, pour avoir mis sur pied un programme scientifique d'une grande portée et met de l'avant la recherche translationnelle. Il y a des séances pour chacun ! Les sujets cette année incluent entre autres l'inflammation et les épilepsies de l'enfance, l'Intelligence artificielle et l'épilepsie, et l'épilepsie et l'épileptogénèse post-traumatique.

Une marche/course amicale pour lever des fonds au profit de la LCCE aura lieu samedi le 22 septembre à 6h30. Cette superbe activité a pour but de lever des fonds pour la recherche en épilepsie, les activités éducatives, et bien plus. Il est encore possible de s'inscrire et faire vos dons via le site de la LCCE (www.claegroup.org).

J'aimerais aussi profiter de l'occasion pour féliciter l'Alliance Canadienne de l'Épilepsie pour leur 20^e anniversaire. Merci énormément pour tout ce que vous faites pour les patients vivant avec l'épilepsie !

J'inviterais tous les membres de la LCCE à assister à l'Assemblée Générale Annuelle qui aura lieu le vendredi 21 septembre à 17:00, où les nouveaux membres du conseil d'administration de la LCCE seront annoncés. Peu après, j'ouvrirai avec le Mot de Bienvenue et la Conférence du Président. La soirée du 21 septembre se conclura avec une présentation en plénière par Dr Jeffrey Britton intitulé 'Épilepsies Auto-immunes : identification et traitement'.

Finalement, j'aimerais offrir mes sincères remerciements au Dr Jorge Burneo pour son leadership au cours des deux dernières années à titre de président de la LCCE. Je sais que je peux parler au nom de tous les membres de la LCCE lorsque j'affirme que nous sommes vraiment reconnaissants du temps et de l'énergie qu'il a gracieusement fourni en notre nom pour faire avancer la mission de la LCCE.

J'espère que cette conférence vous donnera l'opportunité d'élargir votre réseau de collaborateurs afin que nous puissions continuer à travailler ensemble pour améliorer la vie de ceux vivant avec l'épilepsie au Canada et ailleurs dans le monde. Bienvenue, et profitez de votre temps à St-Jean, cité de beauté, culture, cuisine, et bien plus encore !

Sincèrement,



Dang Nguyen
Président
Ligue Canadienne Contre l'Épilepsie

Remerciements au conseil d'administration 2017-2018 de la LCCE :

Jorge Burneo, président
Dang Nguyen, président élu
Mary Lou Smith, secrétaire et représentante du Réseau canadien d'épilepsie pédiatrique
David Steven, trésorier
Mark Keezer, directeur de l'éducation
Kristin Ikeda, représentante des membres juniors
Deirdre Floyd, représentante de l'Alliance canadienne de l'épilepsie
Aylin Reid, représentante de l'Initiative canadienne de recherche en épilepsie
Samuel Wiebe, représentant de la Ligue internationale contre l'épilepsie
Laura Jurasek, représentante du Groupe canadien des sciences infirmières de l'épilepsie

Wi-Fi

Connectez-vous à Conférence
Delta, mot de passe: **YYTDS**

WELCOME FROM THE DIRECTOR OF EDUCATION

Dear CLAE members and friends,

Welcome to the 2018 Canadian League Against Epilepsy Meeting!

The CLAE Education Committee has organized an exciting and diverse program for this year's meeting. Our keynote speaker is Dr. Jeffrey Britton, who will discuss autoimmune epilepsies and up-to-date approaches to their diagnosis and management. This year's two plenary sessions will highlight dietary therapy in epilepsy, for paediatric as well as adult populations, and the transition from paediatric to adult care. Additional session topics will include inflammation in epilepsy, novel research models of epilepsy, artificial intelligence and prediction in epilepsy, post-traumatic epileptogenesis, non-neuronal cells in epilepsy, sleep and epilepsy, intracranial EEG in paediatric epilepsy, as well as mental health and quality of life in epilepsy. We will also host platform presentations from the four top-ranked trainee abstracts.

We expect that this year's meeting program will be of interest to a broad audience, including neurologists, neurosurgeons, allied health professionals and basic scientists.

I hope that you will enjoy the meeting. I look forward to seeing you there.

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Sincerely,



Mark Keezer MDCM, PhD
Director of Education, CLAE

Thank you to the CLAE 2018 Education Committee:

Mark Keezer, Chair
David Dufresne
Paolo Federico
Walter Hader
Linda Huh
Neda Ladbon-Bernasconi
Mary Pat McAndrews
Aylin Reid
Gillian Reid-McDonald
Tiffany Townsend

MOT DE BIENVENUE DU DIRECTEUR DE L'ÉDUCATION

Chers membres de la LCCE et amis,

Bienvenue à la réunion scientifique 2018 de la Ligue canadienne contre l'épilepsie !

Le comité éducatif de la LCCE a mis sur pied un programme excitant et diversifié pour la réunion de cette année. Notre conférencier d'honneur est Dr Jeffrey Britton, qui nous fera une mise à jour sur les épilepsies auto-immunes incluant leur diagnostic et leur prise en charge. Les deux sessions en plénières de cette année souligneront les thérapies diététiques de l'épilepsie, tant en pédiatrie que dans la population adulte, et la transition des soins pédiatriques aux soins adultes. Les autres sujets incluront l'inflammation en épilepsie, les nouveaux modèles animaux de l'épilepsie, l'intelligence artificielle et la prédiction, l'épileptogénèse post-traumatique, les cellules non-neuronales en épilepsie, le sommeil et l'épilepsie, l'EEG intracrânien en épilepsie pédiatrique, ainsi que la santé mentale et la qualité de vie en épilepsie. Nous tiendrons aussi une présentation des quatre meilleurs résumés soumis par des étudiants.

Le programme de cette année devrait plaire à un large auditoire, incluant neurologues, neurochirurgiens, chercheurs fondamentaux et autres professionnels de la santé.

J'espère que vous apprécierez la réunion. J'ai bien hâte de vous y voir.

Sincèrement,



Mark Keezer MDCM, PhD
Directeur de l'éducation, LCCE

Comité éducatif 2018 de la LCCE

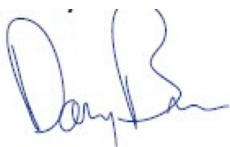
Mark Keezer (Président du comité)
David Dufresne
Paolo Federico
Walter Hader
Linda Huh
Neda Ladbon-Bernasconi
Mary Pat McAndrews
Aylin Reid
Gillian Reid-McDonald
Tiffany Townsend

WELCOME FROM THE MAYOR OF ST. JOHN'S

As Mayor of our capital city, I am delighted on behalf of Council and its citizens to extend greetings and best wishes to all delegates attending the Canadian League Against Epilepsy 2018 Scientific Meeting being held in St. John's, Newfoundland, in September.

We are pleased that St. John's will host this year's meeting. I am sure you will enjoy our exciting blend of old world charm and modern amenities, not to mention the Newfoundland hospitality for which we are famous. We hope you will take the time to visit some of our city's historical and natural landmarks and enjoy our city's great entertainment and wonderful cuisine.

We wish you well in your discussions as you meet to exchange ideas and knowledge to help you deal with the challenges facing your organization today. We hope your visit will be a rewarding and unforgettable experience and you have an enjoyable stay in our city.



Danny Breen, Mayor

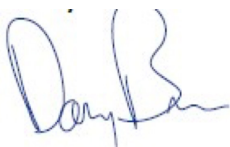
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MOT DE BIENVENUE DE LA PART DU MAIRE DE LA VILLE DE ST-JEAN

En tant que maire de notre capitale, et au nom de son conseil et de ses habitants, j'aimerais souhaiter la bienvenue à tous participants de la réunion scientifique 2018 de la Ligue canadienne contre l'épilepsie.

Nous sommes heureux que la ville de St-Jean soit l'hôte de la réunion de cette année. Je suis certain que vous apprécierez notre ville où se mélange le charme de l'ancien et le confort du moderne, sans oublier notre réputée hospitalité terre-neuvienne. Nous espérons que vous prendrez le temps de visiter quelques-unes des attractions historiques et naturelles de notre ville, et que vous profiterez pleinement de de merveilleuse cuisine.

Nous vous souhaitons nos meilleurs vœux de succès pour votre réunion scientifique et espérons que ce partage de connaissances et les discussions entre collègues vous permettront de faire face aux défis auxquels vous faites face actuellement. Nous espérons que cette visite sera une expérience enrichissante et inoubliable et que vous aurez un séjour agréable dans notre ville.

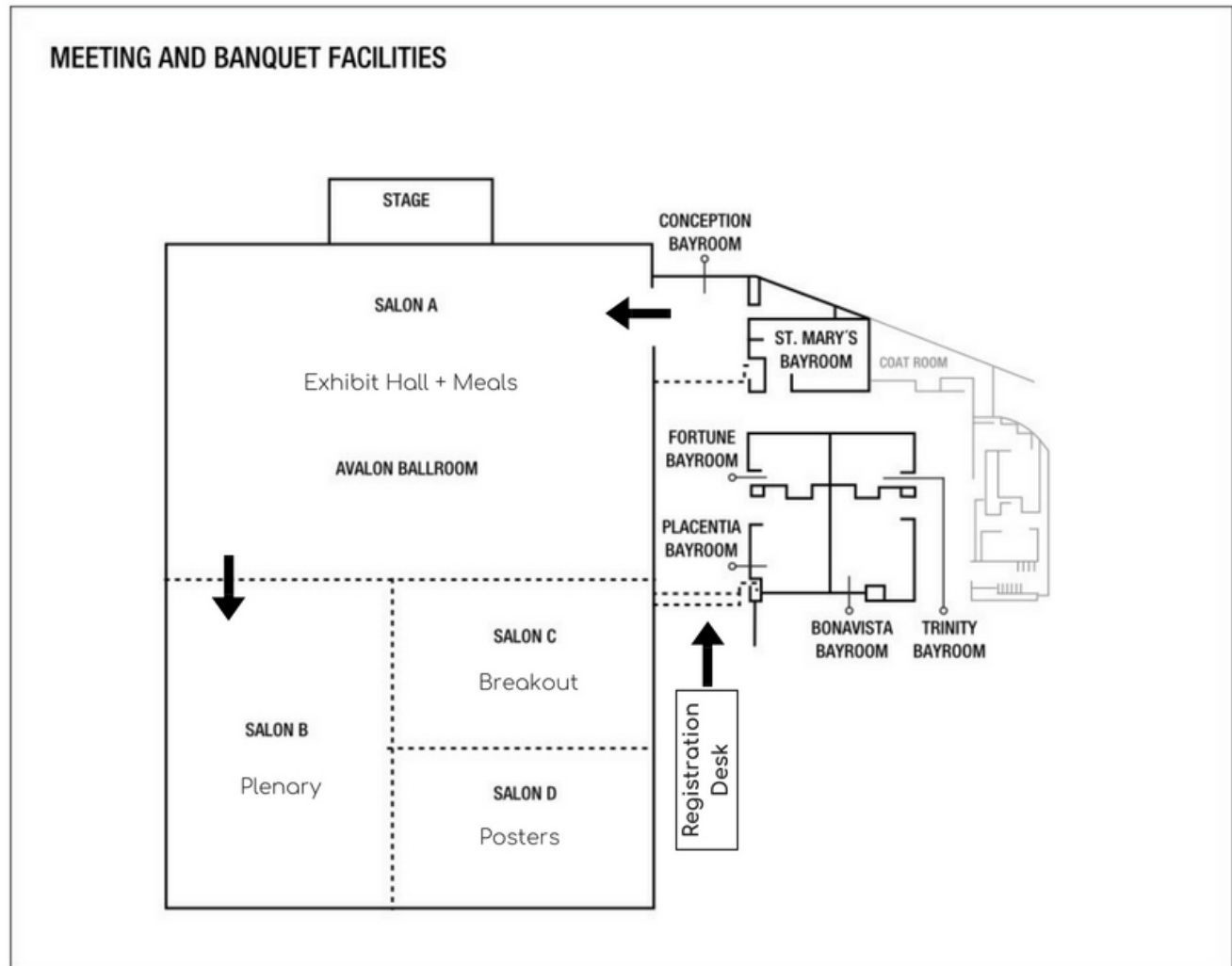


Danny Breen,
Maire

HOTEL FLOOR PLAN / PLAN DE L'HÔTEL

The AGM and plenary sessions will take place in Salon B (accessible via Salon A). Breakout sessions will be held in Salon C and the poster session will be held in Salon D. Please ensure you take the time to visit the exhibit booths in Salon A!

L'Assemblée générale annuelle et les séances en plénière se tiendront dans le Salon B (accessible via le Salon A). Les séances au choix se tiendront dans le Salon C et l'exposition des affiches se tiendra dans le Salon D. Assurez-vous de prendre le temps de visiter les kiosques des exposants au Salon A !



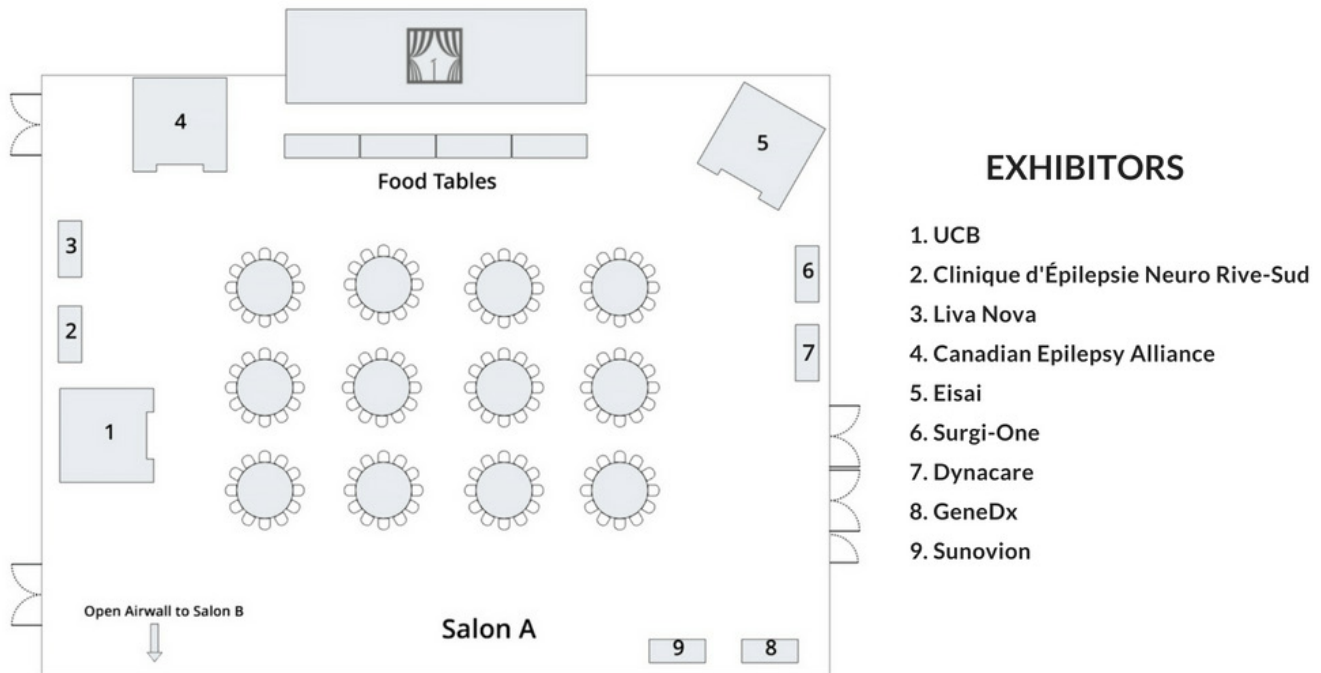
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EXHIBIT HALL / HALL D'EXPOSITION



EXHIBITS / EXPOSANTS

Meeting participants will have an ideal opportunity to learn about the latest in pharmaceutical, publications, scientific equipment and technology relevant to the field of epilepsy and neurophysiology. The commercial exhibits will take place on Friday, September 21 from 4:00 p.m. to 6:00 p.m., Saturday, September 22 from 7:30 a.m. to 5:15 p.m. and Sunday, September 23 from 7:30 a.m. to 12:30 p.m.

New this year! We invite all delegates to participate in the exhibit hall passport game! By visiting all of the exhibitors delegates are eligible to win prizes. Please see the registration desk onsite for more information!

Les participants à la réunion auront l'opportunité de se mettre à jour au sujet des produits pharmaceutiques, des publications, des équipements et technologies pertinents aux domaines de l'épilepsie et de la neurophysiologie. Les expositions commerciales se tiendront le vendredi, 21 septembre, de 16h00 à 18h00, le samedi, 22 septembre, de 7h30 à 17h15, et le dimanche, 23 septembre, de 7h30 à 12h30.

Nous invitons tous les délégués à participer au jeu du passeport du Hall d'Exposition – nouveau cette année ! En visitant tous les exposants, les délégués sont éligibles à gagner des prix offerts par la LCCE. Prière de consulter à l'inscription pour plus d'informations !

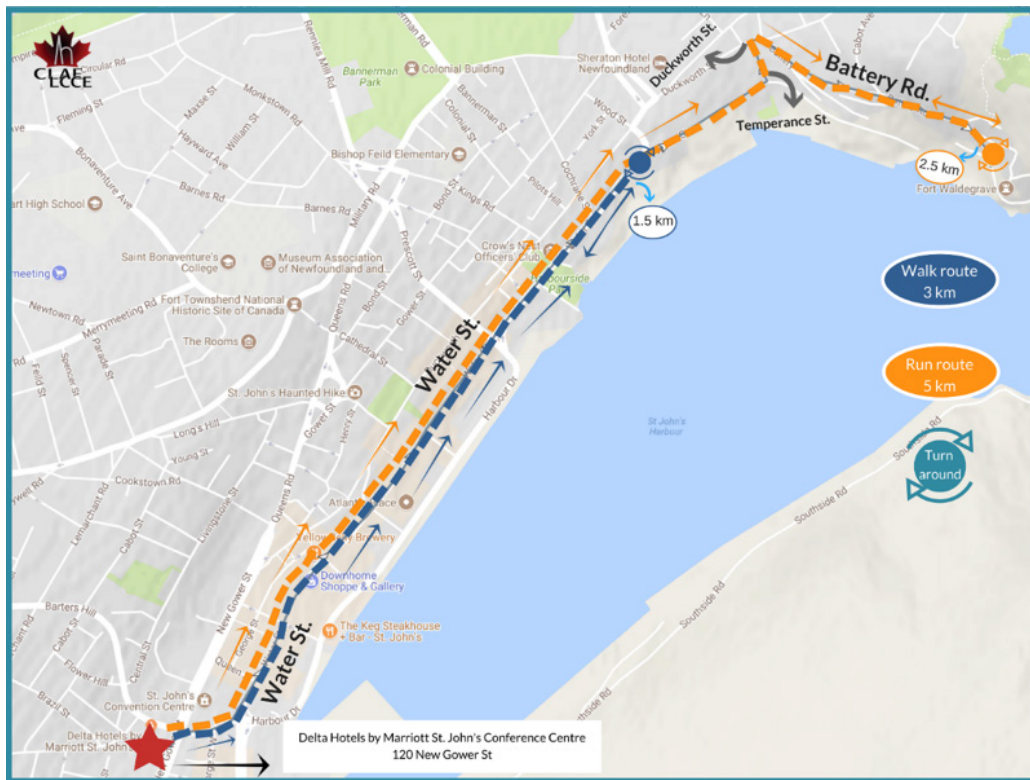
2018 CLAE FUN RUN/WALK: DID YOU REGISTER YET?

Help us to ensure the success of our researchers, maintain our level of excellence and give hope to more than 300,000 Canadians with epilepsy! The CLAE holds an annual CLAE Fun Run/Walk to raise funds for CLAE awards and projects. Over the past two years we have raised more than \$10,000!

Challenge your colleagues to join you on this 5 km run or 3 km walk and take in the stunning St. John's scenery. It's not too late to register!

- When:** Saturday, September 22, 2018 at 6:30 a.m.
Location: Meet in the lobby of the Delta Hotels by Marriott St. John's Conference Centre at 6:25 a.m.
Details: 5 km run or 3 km walk
Entry Fee: \$35.00

Please visit the CLAE registration desk onsite to register for the Fun Run/Walk or to donate and support a runner!



Walk QR Code



Run QR Code

CANADIAN LEAGUE AGAINST EPILEPSY SCIENTIFIC MEETING

The CLAE is one of 98 chapters of the International League Against Epilepsy (ILAE). The CLAE is an organization of medical and basic sciences professionals counting more than 175 members including physicians, basic scientists and other researchers, nurses, neuropsychologists, students and other health professionals. Our members are all keen to take advantage of their passion and knowledge in their respective fields to better respond to various basic needs of the epilepsy population, both present and future. We also work in collaboration with several organizations such as the Canadian Epilepsy Alliance (CEA), the American Epilepsy Society and the North American Commission of the ILAE. The CLAE Scientific Meeting is the largest Canadian meeting of those who share the common scientific and clinical interests of epilepsy and clinical neurophysiology.

MISSION STATEMENT

Our goal is to develop, through research, innovative therapeutic and preventative strategies to avoid the consequences of epilepsy. We also want to translate these discoveries into applicable therapies for all Canadians. Finally, we want to promote national awareness and educate all Canadians about epilepsy and its consequences in collaboration with the CEA.

POLICY ON COMMERCIAL SUPPORT AND CONFLICT OF INTEREST

All presenters and planners are required to disclose any conflict of interest during their presentations.

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CANADIAN EPILEPSY ALLIANCE

The CLAE would like to congratulate the CEA in celebrating 20 years!



MEETING LEARNING OBJECTIVES

At the end of the meeting, participants should be able to:

- Integrate a deeper understanding of the aetiologies and treatment of autoimmune epilepsy into their clinical practice.
- Apply the most advanced care to children with epilepsy as well as transition to adult care.
- Recognize novel research models and analytical approaches to the study of epilepsy.
- Describe a number of growing areas of interest in epilepsy, including: sleep, the impact of psychiatric comorbidities, and post-traumatic epilepsy.

MARCHE/COURSE AMICALE 2018 DE LA LCCE : ÊTES-VOUS INSCRIT ?

Aidez-nous à assurer le succès de nos chercheurs, à maintenir notre niveau d'excellence et à donner espoir à plus de 300,000 Canadiens vivant avec l'épilepsie ! La LCCE tient une marche/course amicale annuelle pour lever des fonds et soutenir les projets et subventions de la LCCE. Au cours des deux dernières années, nous avons amassé plus de 10 000\$!

Mettez vos collègues au défi de se joindre à cette course de 5km ou marche de 3km et profiter du paysage éblouissant de St Jean. Il n'est pas trop tard pour s'inscrire !

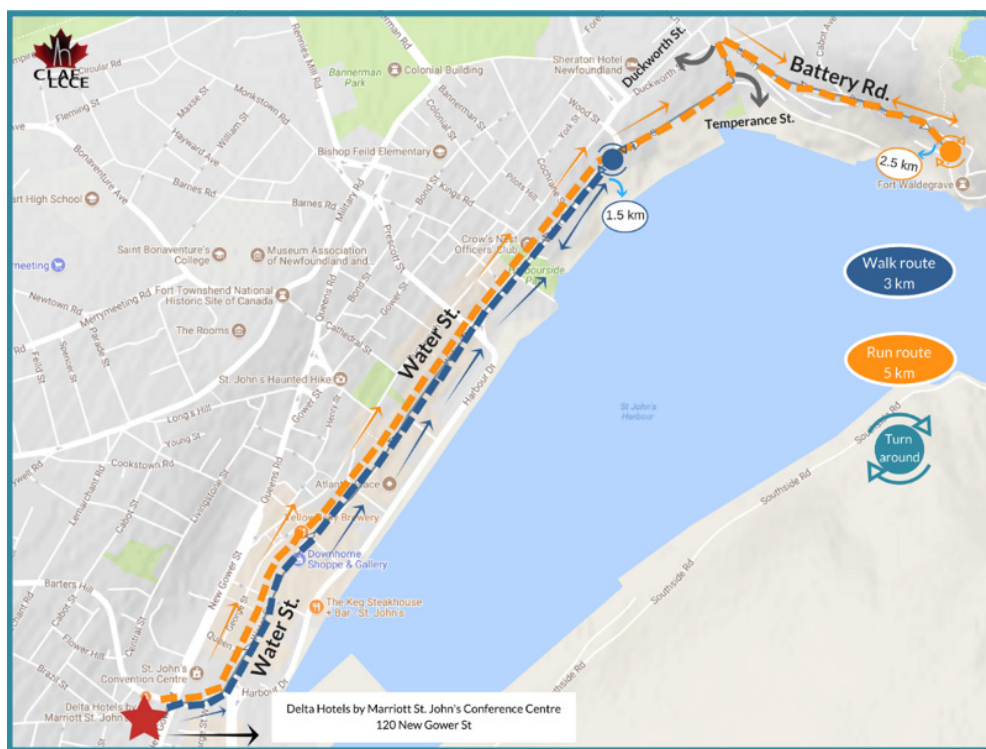
Quand : Samedi, 22 septembre 2018, à 6h30

Emplacement : Rencontre dans le hall d'entrée du Centre de Congrès du Delta Hotels by Marriott St. John à 6h25

Détails : 5 km run or 3 km walk

Frais d'inscription : \$35.00

Prière de visiter le comptoir d'inscription de la LCCE sur le site de la réunion pour s'inscrire à la Marche/course amicale ou pour faire un don et supporter un coureur !



Code QR marche



Code QR course

RÉUNION SCIENTIFIQUE DE LA LIGUE CANADIENNE CONTRE L'ÉPILEPSIE

La Ligue canadienne contre l'épilepsie (LCCE) est l'une des 98 sections de la Ligue internationale contre l'épilepsie (LICE). La LCCE est un organisme regroupant plus de 175 professionnels de la santé et des sciences fondamentales, notamment des médecins, des cliniciens-chercheurs, des chercheurs en sciences fondamentales, des infirmières, des neuropsychologues, des étudiants et d'autres professionnels de la santé. Nos membres ont tous à cœur d'utiliser leurs connaissances dans leurs domaines respectifs pour mieux répondre aux divers besoins actuels et futurs de la population atteinte d'épilepsie. Nous travaillons aussi en collaboration avec plusieurs organisations, dont l'Alliance canadienne de l'épilepsie (ACE), l'American Epilepsy Society et la Commission nord-américaine de la LICE. La réunion scientifique annuelle de la LCCE est le plus grand rassemblement canadien des personnes qui s'intéressent à l'épilepsie et à la neurophysiologie clinique d'un point de vue scientifique et clinique.

ÉNONCÉ DE MISSION

Notre but est de développer, via la recherche, des stratégies thérapeutiques et préventives novatrices pour éviter les conséquences de l'épilepsie. Nous voulons aussi transformer ces découvertes en des thérapies pouvant être offertes à tous les Canadiens. Enfin, nous voulons promouvoir la sensibilisation nationale et éduquer tous les Canadiens sur l'épilepsie et ses conséquences en collaboration avec l'Alliance canadienne de l'épilepsie.

POLITIQUE SUR L'APPUI COMMERCIAL ET LES CONFLITS D'INTÉRÊTS

Tous les présentateurs et organisateurs doivent divulguer leurs conflits d'intérêts au début de leurs présentations.

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ALLIANCE CANADIENNE DE L'ÉPILEPSIE

La LCCE voudrait féliciter l'ACÉ qui célèbre ses 20 ans !



OBJECTIFS D'APPRENTISSAGE DE LA RÉUNION

À la fin de la réunion, les participants devraient être en mesure de :

- Intégrer dans leur pratique clinique une compréhension plus approfondie des étiologies et du traitement de l'épilepsie auto-immune.
- Appliquer les soins les plus avancés aux enfants atteints d'épilepsie, ainsi que la transition vers les soins pour adultes.
- Reconnaître de nouveaux modèles de recherche et approches analytiques pour l'étude de l'épilepsie.
- Décrire plusieurs domaines d'intérêt grandissants dans l'épilepsie, notamment le sommeil, l'impact des comorbidités psychiatriques et l'épilepsie post-traumatique.

PROGRAM

FRIDAY, SEPTEMBER 21, 2018

TIME	DESCRIPTION
4:00 p.m. Crush Lobby	CONFERENCE CHECK-IN
4:00 p.m. Salon A	EXHIBITOR AND DELEGATE NETWORKING OPPORTUNITY
5:00 p.m. Salon B	CLAE ANNUAL GENERAL MEETING (Members Only)
6:00 p.m. Salon B	WELCOME AND PRESIDENTIAL LECTURE
6:30 p.m. Salon B	CANADIAN EPILEPSY ALLIANCE/ALLIANCE CANADIENNE DE L'ÉPILEPSIE – THE NEXT GENERATION
7:00 p.m. Salon B	AUTOIMMUNE EPILEPSIES: RECOGNITION AND TREATMENT Keynote Speaker: Dr. Jeffrey Britton, Mayo Clinic Chair: Dr. Mark Keezer, University of Montreal LEARNING OBJECTIVES: <ul style="list-style-type: none">• Recognize the clinical features suggesting the diagnosis of autoimmune epilepsies.• Identify the characteristic radiologic, EEG features and spinal fluid findings in autoimmune epilepsies.• Determine features suggesting likelihood of positive antibody test results and positive therapeutic response.
8:00 p.m. Salon B	WRAP-UP FOR THE DAY

PROGRAM

SATURDAY, SEPTEMBER 22, 2018

TIME	DESCRIPTION
6:30 a.m. Hotel Lobby	CLAE FUN RUN/WALK Join us for the 3 rd CLAE Fun Run/Walk! <i>Meet at 6:25 a.m. in the hotel lobby</i>
7:30 a.m. Crush Lobby	CONFERENCE CHECK-IN
7:30 a.m. Salon A	BREAKFAST AND EXHIBITOR AND DELEGATE NETWORKING
8:25 a.m. Salon B	WELCOME AND INTRODUCTIONS Dr. Mark Keezer, University of Montreal
8:30 a.m. Plenary Salon B	DIET THERAPY FOR EPILEPSY: FROM BENCH TO BEDSIDE, OVER THE YEARS Chair: Dr. Rajesh RamachandranNair, McMaster University TOPICS AND SPEAKERS: Changes in the Clinical Practice of Diet Therapy in Canada Over the Years Dr. Rajesh RamachandranNair, McMaster University Question: Should I Offer Ketogenic Diet in a New Adult Epilepsy Program – Medical Director’s Dilemma Answer: Experience at the Adult Ketogenic Diet Clinic at Toronto Western Hospital Dr. Tadeu A. Fantaneanu, The Ottawa Hospital and Dr. Eduard Bercovici, Toronto Western Hospital Acute Side Effects of Ketogenic Diet and Issues with Transition: Multidisciplinary Case Discussions Multidisciplinary Team: Alex Printis, British Columbia Children’s Hospital, Helen Lowe, Ketogenic Dietitian and Maria Zak, The Hospital for Sick Children Mechanism of Action of Ketogenic Diet – Is It Still a Mystery? Dr. Jong Rho, University of Calgary LEARNING OBJECTIVES: <ul style="list-style-type: none">• Define the clinical practice of low ratio and new liberalized form of diet therapy for epilepsy in Canada and the positive economic impact of diet therapy in Canadian health care.• Describe the utility of ketogenic diet in adult patients with epilepsy, and share the experience from the first diet clinic for adult patients with epilepsy.• Distinguish the management of acute side effects related to ketogenic diet and issues related to transition to adult care through multidisciplinary case studies.• Express new findings on the mechanism of action of ketogenic diet. TARGET AUDIENCE: Adult and paediatric epileptologists and neurologists, neurology and epilepsy trainees, dietitians, nurse practitioners and nurses, social workers, community epilepsy agencies
10:15 a.m. Salon D	POSTER TOURS

PROGRAM

SATURDAY, SEPTEMBER 22, 2018

TIME	DESCRIPTION
10:15 a.m. Salon A	BREAK AND EXHIBITOR AND DELEGATE NETWORKING
11:15 a.m.	BREAKOUT SESSIONS
Session 1-A Salon B	BRAIN ON FIRE: INFLAMMATION AND THE CHILDHOOD ONSET EPILEPSIES Chair: Dr. Morris H. Scantlebury, University of Calgary TOPICS AND SPEAKERS: Febrile Seizures: Short and Long-Term Consequences Dr. Karlene Barrett, University of Calgary Childhood Onset Autoimmune Epileptic Encephalopathies Dr. Daniella Pohl, University of Ottawa Childhood Onset Non-Autoimmune Epileptic Encephalopathies Dr. Eric Payne, Mayo Clinic Rasmussen Encephalitis Dr. Richard Tang Wai, Loma Linda University Immune Modulatory Treatments for the Intractable Paediatric Epilepsies Dr. Luis Bello-Espinosa, University of Calgary LEARNING OBJECTIVES: <ul style="list-style-type: none">• Identify the many ways inflammation may contribute to the pathogenesis of paediatric epilepsies.• Identify similarities and differences in autoimmune and non-autoimmune epilepsies.• Distinguish the clinical presentation, treatment and prognosis of Rasmussen encephalitis.• Appraise the data supporting IVIG and other immune modulatory treatments for the intractable paediatric epilepsies. TARGET AUDIENCE: Neurologists, paediatricians, clinical neurophysiologists, allied health professionals
Session 1-B Salon C	POST-TRAUMATIC EPILEPTOGENESIS: FROM BENCH TO BED Chair: Dr. Alon Friedman, Dalhousie University TOPICS AND SPEAKERS: Trauma-Induced Epileptogenesis in Marmosets Dr. Olga Bukhtiyarova, Laval University Stress-Induced Phase Coupled Fast Ripples after Traumatic Brain Injury is Blocked by CRF Receptor Antagonism Dr. Michael O. Poulter, Western University Mechanisms of Epileptogenesis Produced by Partial Cortical Deafferentation Dr. Igor Timofeev, Laval University Biomarkers for Epileptogenesis in Rodents Dr. Dan Milikovsky, Ben-Gurion University of the Negev Post-Traumatic Epileptogenesis: Lessons from Animal Studies Towards Future Clinical Studies Dr. Alon Friedman, Dalhousie University

PROGRAM

SATURDAY, SEPTEMBER 22, 2018

TIME	DESCRIPTION
11:15 a.m.	BREAKOUT SESSIONS (cont'd)
Session 1-B Salon C	POST-TRAUMATIC EPILEPTOGENESIS: FROM BENCH TO BED (cont'd) LEARNING OBJECTIVES: <ul style="list-style-type: none">• Demonstrate how cortical injury may trigger epileptogenesis.• Demonstrate how CRF activity in the central nervous system affects neural circuit activity and propensity for seizures.• Express the challenges in translating pre-clinical data into clinical trials and the importance of biomarker search. TARGET AUDIENCE: Clinicians, basic and clinical researchers in the field of epileptogenesis and acquired epilepsy
1:00 p.m. Salon A	LUNCH AND EXHIBITOR AND DELEGATE NETWORKING
16 2:00 p.m. Salon B	TOP TRAINEE ABSTRACT PRESENTATIONS Chair: Dr. Mark Keezer, University of Montreal <ol style="list-style-type: none">1. Investigation of the Alterations in Hippocampal Internal Architecture in Focal Temporal Lobe Epilepsy using 7T MRI Nickolas Christidis, Western University2. Short-term Effects of High Frequency Insular DBS on Epileptic Discharge Rates in Patients with Refractory Epilepsy Antoine Dionne, University of Montreal Hospital Centre (CHUM)3. Increasing Glutamate Clearance as a Strategy to Reduce Excessive Excitatory Tone in the Central Nervous System Crystal Wilkie, Memorial University4. Comparative Analysis of Antiseizure Drugs in Dravet and Episodic Ataxia with Epilepsy Zebrafish and Mice Models Kingsley Ibhazehiebo, University of Calgary LEARNING OBJECTIVES: <ul style="list-style-type: none">• Appraise recent research projects in epilepsy.• Develop critical thinking on results of research projects.• Apply the implications of recent research projects on current clinical practice in epilepsy.
3:15 p.m.	BREAKOUT SESSIONS
Session 2-A Salon B	ARTIFICIAL INTELLIGENCE AND EPILEPSY Chair: Dr. Dang Khoa Nguyen, University of Montreal TOPICS AND SPEAKERS: Data Science Meets Brain Science: Decoding Brain Function and Dysfunction Through Artificial Intelligence Dr. Karim Jerbi, University of Montreal Aiding Diagnosis Through Application of Machine Learning to Epilepsy Imaging Dr. Gavin Winston, Montreal Neurological Institute Machine Learning Techniques and EEG Biomarkers for the Management of Epilepsy Dr. Sinisa Colic, University of Toronto

PROGRAM

SATURDAY, SEPTEMBER 22, 2018

TIME	DESCRIPTION
3:15 p.m.	BREAKOUT SESSIONS (cont'd)
Session 2-A Salon B	ARTIFICIAL INTELLIGENCE AND EPILEPSY (cont'd) TOPICS AND SPEAKERS: (cont'd) An Overview of a Complete Framework for Seizure Forecasting Based on Feature Engineering and Artificial Intelligence Elie Bou Assi, CRCHUM LEARNING OBJECTIVES: <ul style="list-style-type: none">• Assess machine learning basics.• Assess how machine learning can aid diagnosis using epilepsy imaging.• Recognize how seizure onset zone localization can benefit from recent advances in artificial intelligence.• Assess how seizures can be detected/predicted by implementing a complete seizure forecasting framework using commonly used design strategies (from data acquisition to adequate performance evaluation). TARGET AUDIENCE: Clinical neurophysiologists, neurologists, epileptologists, neurosurgeons, engineers and trainees in these disciplines involved in the care of epileptic patients, researchers in the field of epilepsy
Session 2-B Salon C	THE IMPACT OF STRESS, EMOTIONS AND MENTAL HEALTH ON QUALITY OF LIFE OF INDIVIDUALS WITH EPILEPSY: MECHANISMS AND POSSIBLE INTERVENTIONS Chair: Dr. Sarah Lippé, University of Montreal TOPICS AND SPEAKERS: Mental Health in Epileptic Patients: An Introduction Dr. Sarah Lippé, University of Montreal Stress Hormones in Infants and Toddlers Following Febrile Seizures Fanny Thébault-Dagher, University of Montreal How Big a Factor is Stress in Seizure Control? Dr. Richard S. McLachlan, Western University Quality of Life in Childhood Epilepsy: Trajectories and Their Predictors Dr. Gabriel M. Ronen, McMaster University Screening for Depression and Up-to-Date Approaches to Depression Management in Persons with Epilepsy Dr. Nathalie Jetté, Icahn School of Medicine at Mount Sinai LEARNING OBJECTIVES: <ul style="list-style-type: none">• Recognize the prevalence of stress and psychiatric comorbidities in individuals with epilepsy.• Demonstrate how psychosocial factors and psychiatric comorbidities may influence patients' and families' overall quality of life.• Express the possible impact of psychological and biological factors underlying the link between stress or psychiatric comorbidities and seizure disorders.• Evaluate emotional wellbeing and mental health in patient treatment.• Review novel treatment options that may alleviate stress and depression in individuals with epilepsy. TARGET AUDIENCE: Neurologists, paediatricians, epilepsy specialists, allied health professionals

PROGRAM

SATURDAY, SEPTEMBER 22, 2018

TIME	DESCRIPTION
5:00 p.m. Salon A	BREAK AND EXHIBITOR AND DELEGATE NETWORKING
5:15 p.m.	BREAKOUT SESSIONS <i>(ends at 7:00 p.m.)</i>
Session 3-A Salon B	INTRACRANIAL RECORDING FOR FOCAL EPILEPSY IN CHILDREN Chair: Dr. Roy W. R. Dudley, McGill University TOPICS AND SPEAKERS: Can SEEG Increase Access to Epilepsy Surgery for Children? Dr. Walter Hader, University of Calgary Invasive Investigation of Paediatric Insular-Opercular Epilepsy: SEEG vs. Open Approaches Dr. Alex Weil, University of Montreal Paediatric Focal Epilepsy Cases Re-Explored with SEEG Following Subdural Grid Failures – Did SEEG Do Any Better? Dr. Roy W. R. Dudley, McGill University Advantages of SEEG vs. Grids Dr. Francois Dubeau, McGill University Practical Tutorial on Analyzing Grid and SEEG data in Brainstorm Dr. Jeremy Moreau, McGill University LEARNING OBJECTIVES: <ul style="list-style-type: none">• Assess the indications, advantages and disadvantages of both subdural grids and SEEG for intracranial exploration of focal epilepsy in children.• Assess the nuances intracranial exploration of insular-opercular epilepsy in children.• Apply a series of focal epilepsy cases in children who were explored with SEEG following subdural grid failures to answer the question whether SEEG does any better.• Assess basic concepts on how to analyze subdural grid and SEEG data using Brainstorm. TARGET AUDIENCE: Paediatric or adult neurosurgeons, neurologists, epileptologists and trainees in these fields
Session 3-B Salon C	NOVEL MODELS OF EPILEPSY Chair: Dr. Aylin Reid, University of Toronto TOPICS AND SPEAKERS: Models of Paediatric Epilepsy Syndromes: Progress and Opportunities Dr. Morris Scantlebury, University of Calgary Searching for Critical Cellular Targets in Early-Life Epilepsy Dr. Hongyu Sun, Carleton University Spontaneous Recurrent Seizures in a Novel Mouse Model of Extended Hippocampal Kindling Dr. Liang Zhang, University of Toronto An Optogenetic Kindling Model of Epilepsy Dr. P. Jesper Sjöström, McGill University Seizure Susceptibility in a Mouse Model of Neurofibromatosis Type 1 Dr. Aylin Reid, University of Toronto

PROGRAM

SATURDAY, SEPTEMBER 22, 2018

TIME	DESCRIPTION
5:15 p.m.	BREAKOUT SESSIONS (cont'd)
Session 3-B Salon C	NOVEL MODELS OF EPILEPSY (cont'd) LEARNING OBJECTIVES: <ul style="list-style-type: none">• Indicate a general overview of the available rodent models of paediatric epilepsy syndromes and their relevance to clinical practice.• Recite how animal models of early life epilepsies and hypoxic seizures can help identify critical cellular targets for potential treatment strategies.• Relate the use of electrical kindling as a model of epileptogenesis, and discuss new data on extended kindling as a model of non-lesional temporal lobe epilepsy with spontaneous seizures.• Demonstrate the model of optogenetic kindling, which permits the systematic study of pathological activity in genetically defined neuronal populations, and how this contributes to epileptogenesis.• Demonstrate the link between neurofibromatosis and epilepsy in patient populations and discuss a new animal model to study seizures in this condition. TARGET AUDIENCE: Basic scientists, trainees, neurologists, neurosurgeons, allied health professionals
7:30 p.m. Salon EF	CLAE RECEPTION AND GALA DINNER (Tickets must be purchased in advance)

PROGRAM

SUNDAY, SEPTEMBER 23, 2018

TIME	DESCRIPTION
7:00 a.m. Salon A	BREAKFAST AND EXHIBITOR AND DELEGATE NETWORKING
7:30 a.m. Salon B	SEIZURE SEMIOLOGY SESSION Chairs: Dr. Mark Sadler, Dalhousie University and Dr. Jorge G. Burneo, Western University Speakers: Dr. Kristin Ikeda, Dalhousie University Dr. Cyrus Boelman, University of British Columbia Dr. Jorge G. Burneo, Western University LEARNING OBJECTIVE: <ul style="list-style-type: none">Assess ictal semiology of events presented and their potential anatomical representation/localization. TARGET AUDIENCE: Trainees, neurologists, neurosurgeons, allied health professionals
20 8:30 a.m. Plenary Salon B	ADOLESCENTS WITH EPILEPSY: THE ISSUES OF TRANSITIONING THEM FROM PAEDIATRIC TO ADULT CARE Chair: Dr. Danielle M. Andrade, University of Toronto TOPICS AND SPEAKERS: What Can Happen Without an Organized Transition Program? Dr. Peter Camfield, Halifax, Nova Scotia Transition in a Community Setting: Realities and Barriers Dr. Christine Baca, University of Colorado What the Adult Neurologist Can Do to Improve the Transition Process Dr. Danielle M. Andrade, University of Toronto Measuring Outcomes of Transition Programs Dr. Kathy Speechley, Western University LEARNING OBJECTIVES: <ul style="list-style-type: none">Review the needs of patients who still have seizures at the time of graduating from paediatric care.Review what is available in terms of transition in a community setting.Review how the adult neurologist can help with the transition process.Review the need to measure outcomes of transition programs.
10:15 a.m. Salon A	BREAK AND EXHIBITOR AND DELEGATE NETWORKING

PROGRAM

SUNDAY, SEPTEMBER 23, 2018

TIME	DESCRIPTION
10:45 a.m.	BREAKOUT SESSIONS
Session 4-A Salon B	SLEEP AND EPILEPSY ARE COMMON BEDFELLOWS Chair: Dr. Birgit Frauscher, McGill University TOPICS AND SPEAKERS: Influence of Sleep on Seizure Activity: A Basic Scientist's Perspective Dr. Igor Timofeev, Laval University What Do We Know About the Seizure Suppressing Properties of REM Sleep? Dr. Marcus Ng, University of Manitoba Modulation of High-Frequency Oscillations as Novel Marker of Epileptogenicity by Sleep Dr. Birgit Frauscher, McGill University Clinical Update on Sleep-Related Hypermotor Epilepsy Dr. Steve Gibbs, University of Montreal Prevalence and Diagnosis of Sleep-Related Comorbidities in Epilepsy Dr. Veronique Latreille, McGill University LEARNING OBJECTIVES: <ul style="list-style-type: none">• Identify the basic mechanisms by which sleep influences epilepsy.• Demonstrate the influence of sleep on interictal biomarkers and seizures.• Assess the diagnosis and management of sleep-related hypermotor epilepsy.• Identify and manage common sleep disorders in epilepsy. TARGET AUDIENCE: Neurologists, epileptologists, neuropsychologists, researchers, trainees
Session 4-B Salon C	NON-NEURONAL CELLS IN SEIZURES AND EPILEPSY Chair: Dr. Peter Carlen, University Health Network and Dr. Alon Friedman, Dalhousie University TOPICS AND SPEAKERS: Neocortical K+ Regulation and Seizures: The Role of Glia Dr. Peter Carlen, University Health Network Pericytes and the Control of Neurovascular Coupling in Seizures and Epilepsy Dr. Ofer Prager, Ben-Gurion University of the Negev Optogenetic Modulation of Peri-Ischemic Hyper Excitability Dr. Paolo Bazzigaluppi, University Health Network Is Epilepsy a Vascular Disorder? Dr. Alon Friedman, Dalhousie University Neuroinflammation in Epileptogenesis and Epilepsy Dr. Daniela Kaufer, UC Berkeley

PROGRAM

SUNDAY, SEPTEMBER 23, 2018

TIME	DESCRIPTION
10:45 a.m.	BREAKOUT SESSIONS (cont'd)
Session 4-B Salon C	NON-NEURONAL CELLS IN SEIZURES AND EPILEPSY (cont'd): LEARNING OBJECTIVES: <ul style="list-style-type: none">• Assess the cellular origins of post-ischemic peri-lesional cortical spreading depression and epileptiform activity.• Discuss the mechanisms of glia in regulating extracellular potassium in the neocortex and how this modulates seizure activity.• Discuss the role of blood vessels, pericytes and glia in epileptogenesis and seizures.• Discuss neuroinflammation in seizure disorders. TARGET AUDIENCE: Clinicians, basic and clinical researchers
12:30 p.m. Salon A	ON-THE-GO LUNCH

POSTERS

Posters will be on display throughout the conference. The poster tour will be held Saturday, September 22, 10:15 a.m.-11:15 a.m. Authors are required to stand by their posters for a Q&A during this time. For the complete abstract, please refer to the 2018 CLAE Book of Abstracts.

ABSTRACT # NEUROIMAGING/EEG

5 **CAN PERFUSION CT UNMASK POSTICTAL STROKE MIMICS? A CASE-CONTROL STUDY OF 133 PATIENTS**

*Margot Van Cauwenberge
Radboud UMC Nijmegen*

6 **VALIDATION OF TWO FMRI PARADIGMS FOR PRE-SURGICAL LANGUAGE MAPPING**

*Antonina Omisade¹, Christopher O'Grady¹, Matthias Schmidt², John D. Fisk¹
¹Nova Scotia Health Authority
²Nova Scotia Health Authority/Dalhousie University*

7 **NOVEL EEG BASED DIAGNOSTIC BIOMARKER OF EPILEPSY**

*Daniel Moshe Zelig¹, Dan Z Milikovsky¹, Alon Friedman²
¹Departments of Physiology and Cell Biology, Cognitive and Brain Sciences, Zlotowski Center for Neuroscience, Ben-Gurion University of the Negev, Beer-Sheva 84105, Israel
²Departments of Physiology and Cell Biology, Cognitive and Brain Sciences, Zlotowski Center for Neuroscience, Ben-Gurion University of the Negev, Beer-Sheva 84105, Israel/Department of Medical Neuroscience, Dalhousie University, Halifax, NS, Canada*

8 **SEIZURE DETECTION IN THE INTENSIVE CARE UNIT USING AUTOMATED SEIZURE DETECTION ALGORITHMS**

*Farah Din, Suptharishi Lalgudi Ganesan, Tom Akiyama, Craig Stewart, Ayako Ochi, Hiroshi Otsubo, Christina Go, Cecil Hahn
The Hospital for Sick Children*

9 **PRACTICAL CONSIDERATIONS FOR SCANNING PATIENTS AT 7 TESLA: EXPERIENCE IN A PROSPECTIVE COHORT SCANNED AT THE WESTERN CFMM**

*Jonathan Lau¹, Trevor Szekeres², Joseph Gati², Andrew Parrent¹, Jorge Burneo¹, David Steven¹, Terry Peters², Ali Khan²
¹Department of Clinical Neurological Sciences, Western University
²Centre for Functional and Metabolic Mapping, Robarts Research Institute, Western University*

10 **"SPECTRE SPIKE-WAVE": A PATHOLOGICAL VARIANT OF BENIGN PHANTOM SPIKE-AND-WAVE IN PATIENTS WITH NEUROLOGIC DISEASE**

*Graham McLeod, Michelle-Lee Jones, Marcus C. Ng
University of Manitoba*

11 **IMAGING BLOOD-BRAIN BARRIER DYSFUNCTION IN EPILEPTIC PATIENTS**

*Jonathan Ofer
Ben-Gurion University*

12 **CEREBRAL HEMODYNAMICS IMPROVE SEIZURE PREDICTION IN MULTIMODAL ELECTROENCEPHALOGRAPHIC FUNCTIONAL NEAR INFRARED SPECTROSCOPIC RECORDINGS**

*Parikshat Sirpal¹, Ali Kassab², DK Nguyen², Frederic Lesage¹
¹Polytechnique Montreal, University of Montreal
²University of Montreal*

POSTERS

ABSTRACT # NEUROIMAGING/EEG

- 13 **T1/T2 RATIO MRI AND DIFFUSION IMAGING OF OLIGODENDROCYTE HYPERPLASIA AND FOCAL CORTICAL DYSPLASIA IN CHILDREN WITH DRUG-RESISTANT EPILEPSY**
Jeremy Moreau¹, Roohi Vinaik², Elisabeth Simard-Tremblay³, Bernard Rosenblatt³, Christine Saint-Martin³, Steffen Albrecht³, Sylvain Baille⁴, Roy Dudley³
¹Montreal Neurological Institute/Montreal Children's Hospital, McGill University
²McGill University
³Montreal Children's Hospital
⁴Montreal Neurological Institute
-
- 14 **SEIZURE FORECASTING BY MEANS OF BISPECTRUM ANALYSIS IN NATURALLY OCCURRING CANINE EPILEPSY**
Laura Gagliano¹, Elie Bou Assi¹, Dang K. Nguyen², Sandy Rihana³, Mohamad Sawan¹
¹Polystim Neurotech Lab, Institute of Biomedical Engineering, Polytechnique Montreal, Montreal, QC, Canada
²University of Montreal Hospital Centre (CHUM), University of Montreal, Montreal, QC, Canada
³Biomedical Engineering Department, Holy Spirit University of Kaslik (USEK), Jounieh, Lebanon
-
- 15 **ASSESSING THE ADDED VALUE OF DIFFUSION KURTOSIS IMAGING IN DETECTING BRAIN MICROSTRUCTURAL CHANGES IN PATIENTS WITH TEMPORAL LOBE EPILEPSY**
Loxlan Kasa, Ali R Khan, Terry Peters, Seyed M. Mirsattari
University of Western Ontario
-
- 16 **INTRAOPERATIVE HYPERSPECTRAL IMAGING OF BRAIN HEMODYNAMICS DURING EPILEPTIFORM ACTIVITY**
Audrey Laurence¹, Leticia Angulo-Rodriguez¹, Alain Bouthillier², Dang K. Nguyen², Frederic Leblond¹
¹Polytechnique Montreal
²Centre hospitalier de l'Université de Montréal
-

ABSTRACT # CLINICAL EPILEPSY/ANTIEPILEPTICS

- 17 **INTEGRATED COMMERCIAL-ACADEMIC PARTNERSHIP APPROACH FOR DELIVERY OF HEREDITARY EPILEPSY NGS PANEL TO HIGH-THROUGHPUT CLINICAL DIAGNOSTIC GENETIC SERVICES**
Jaime Jessen¹, Jennifer Kerkhof², Alan Stuart², Hilary Racher¹, Franny Jewett¹, Bekim Sadikovic³
¹Dynacare, Bowmanville, ON, Canada
²Molecular Genetics Laboratory, London Health Sciences London, ON, Canada
³Department of Pathology and Laboratory Medicine, Western University Molecular Genetics Laboratory, London Health Sciences London, ON, Canada
-
- 18 **PREVALENCE OF MARIJUANA USE AMONG EPILEPSY MONITORING UNIT PATIENTS AND ITS EFFECT ON THEIR QUALITY OF LIFE**
Ahmad Attar¹, Youssef Althobaiti¹, Nirmeen Zagzoog¹, Ginette Moores¹, Brindan Sivanandan², Luis Morillo¹
¹McMaster University, Hamilton Health Sciences Centres
²McMaster University
-

POSTERS

ABSTRACT # CLINICAL EPILEPSY/ANTIEPILEPTICS

19 **ASSESSMENT OF THE LONG-TERM EFFICACY AND SAFETY OF ADJUNCTIVE PERAMPANEL IN ADOLESCENT PATIENTS: POST-HOC ANALYSIS OF OPEN-LABEL EXTENSION (OLEX) STUDIES**

J. Eric Piña-Garza¹, Vicente Villanueva², William Rosenfeld³, Harumi Yoshinaga⁴, Francesco Bibbiani⁵, Anna Patten⁶, Betsy Williams⁷, Antonio Laurenza⁵

¹The Children's Hospital at TriStar Centennial, Nashville

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³Comprehensive Epilepsy Care Center for Children and Adults

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⁵Formerly: Eisai Inc.

⁶Eisai Ltd.

⁷Eisai Inc.

20 **RETROSPECTIVE, PHASE IV STUDY OF PERAMPANEL IN REAL-WORLD CLINICAL CARE OF PATIENTS WITH EPILEPSY: AN INTERIM ANALYSIS**

Robert Wechsler¹, James Wheless², Katherine Moretz³, Betsy Williams⁴, Antonio Laurenza⁵, Anna Patten⁶, Manoj Malhotra⁴

¹Idaho Comprehensive Epilepsy Center

²University of Tennessee, Le Bonheur Children's Hospital

³Meridian Clinical Research LLC

⁴Eisai Inc.

⁵Formerly: Eisai Inc.

⁶Eisai Ltd.

21 **CLINICAL FACTORS ASSOCIATED WITH A MAJOR RESPONSE ($\geq 75\%$ REDUCTION IN SEIZURE FREQUENCY/28 DAYS) IN PHASE III TRIALS OF ADJUNCTIVE PERAMPANEL IN PATIENTS WITH PARTIAL SEIZURES: POST-HOC MULTIVARIATE ANALYSIS**

Elinor Ben-Menachem¹, Gregory Krauss², Robert Wechsler³, Anna Patten⁴, Betsy Williams⁵, Antonio Laurenza⁶

¹Sahlgrenska Academy, University of Gothenburg

²Johns Hopkins Hospital

³Idaho Comprehensive Epilepsy Center

⁴Eisai Ltd.

⁵Eisai Inc.

⁶Formerly: Eisai Inc.

22 **THE RISK OF NEW-ONSET EPILEPSY AND PHARMACOLOGICALLY REFRACTORY EPILEPSY IN OLDER ADULT STROKE SURVIVORS**

Jorge Burneo¹, Tresah Antaya¹, Britney Allen², Andrea Belisle², Salimah Shariff², Gustavo Saposnik³

¹Western University

²Institute for Clinical Evaluative Sciences Western

³University of Toronto

23 **THE RHYME AND RHYTHM OF MUSIC IN EPILEPSY**

Marjan Rafiee¹, Edwardo Bercovici², Dorsa Zabihpour¹, Esther Bu², Peter Tai², Richard Wennberg², Peter Carlen², Taufik Valiante¹

¹Krembil Research Institute

²Division of Neurology, Department of Medicine, University of Toronto, Toronto, ON

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ABSTRACT # CLINICAL EPILEPSY/ANTIEPILEPTICS

- 24 **GENETIC CHARACTERIZATION AND PROGNOSIS OF ADULT PATIENTS WITH LENNOX-GASTAUT SYNDROME: A PROSPECTIVE CASE SERIES STUDY**
Robert De Santis¹, Tara Sadoway², Danielle Andrade²
¹Schulich School of Medicine and Dentistry, Western University and Genetic Epilepsy Program, Toronto Western Hospital, UHN
²Genetic Epilepsy Program, Toronto Western Hospital, UHN
-
- 25 **HALLUCINATIONS IN KABUKI SYNDROME**
Ran Liu¹, Elizabeth Grier², Lysa Boisse Lomax³
¹Department of Medicine, Division of Neurology, Kingston Health Sciences Centre, Queen's University
²Department of Family Medicine, Kingston Health Sciences Centre, Queen's University
³Department of Medicine, Division of Neurology and Respiriology, Kingston Health Sciences Centre, Queen's University
-
- 26 **RETENTION RATE AND EFFICACY OF PERAMPANEL (PER) WITH A SLOW TITRATION SCHEDULE IN AN ADULT EPILEPSY OUTPATIENT CLINIC**
Mazen Basheikh¹, R. Mark Sadler²
¹University of Jeddah
²Nova Scotia Health Authority, Central Zone
-
- 27 **TRANSIENT EPILEPTIC AMNESIA: A VARIANT OF TEMPORAL LOBE EPILEPSY**
Ana Suller Marti, Seyed Mirsattari, Jorge Burneo, Richard McLachlan
London Health Science Centre
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- 28 **VALPROIC ACID FOR WOMEN WITH EPILEPSY: A CASE STUDY**
Melanie Jeffrey
University of Toronto
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- 29 **TRAJECTORIES OF DEPRESSIVE SYMPTOMS AMONG MOTHERS OF CHILDREN WITH NEWLY DIAGNOSED EPILEPSY: A LONGITUDINAL 10-YEAR STUDY**
Klajdi Puka¹, Mark Ferro², Kelly Anderson², Kathy Speechley²
¹Western University
²University of Waterloo
-
- 30 **LONG-TERM QUALITY OF LIFE (QOL) TRAJECTORIES AMONG INDIVIDUALS DIAGNOSED WITH EPILEPSY IN CHILDHOOD**
Klajdi Puka¹, Mark Ferro², Carol Camfield³, Simon Levin¹, Mary Lou Smith⁴, Samuel Wiebe⁵, Guangyong Zou¹, Kathy Speechley¹
¹Western University
²University of Waterloo
³Dalhousie University
⁴University of Toronto
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ABSTRACT # PAEDIATRIC EPILEPSY

- 31 **“PROGRAMME ÉPILEPSIE PASSAGE” (PEP): DEVELOPMENT AND EVALUATION OF A NURSING INNOVATION TO FACILITATE THE TRANSITION OF YOUNG PEOPLE WITH EPILEPSY FROM PAEDIATRIC TO ADULT CARE**
Dominic Chartrand¹, Vanessa Léger², Anne Lortie¹, Patrick Cossette², Keezer Mark², Johanne Déry³, Beaudet Line²
¹CHU Sainte-Justine
²University of Montreal Hospital Centre (CHUM)
³University of Montreal
- 32 **INTELLECTUAL FUNCTIONING IN CHILDREN WITH CSWS**
Taryn Fay-McClymont¹, William MacAllister², Brian Broons², Kim Deschamps¹, K. Morris Scantlebury³, J.P. Appendino¹, Luis Bello-Espinosa¹
¹Alberta Children's Hospital
²Alberta Children's Hospital University of Calgary
³University of Calgary
- 33 **HAVE YOU SEEN THIS PERSON BEFORE? FACE RECOGNITION IN CHILDREN WITH EPILEPSY UNDERGOING TEMPORAL LOBE RESECTIONS**
Mary Lou Smith
University of Toronto and the Hospital for Sick Children
- 34 **COGNITIVE OUTCOME IN CHILDREN WITH EPILEPTIC SPASMS USING A STANDARDIZED TREATMENT PROTOCOL. A FIVE-YEAR LONGITUDINAL, MULTICENTER STUDY**
Jonathan Y Bitton¹, Béatrice Desnous¹, Lionel Carmant¹, 10 other members of the Canadian Paediatric Epilepsy Network²
¹Research Centre of Sainte-Justine Hospital, Montreal
²Paediatric hospitals in Halifax, Ottawa, Hamilton, Toronto, Calgary and Vancouver
- 35 **STIRIPENTOL EFFICACY AND SAFETY IN DRAVET SYNDROME: A 12-YEAR OBSERVATIONAL STUDY**
Kenneth Myers¹, Paul Lightfoot², Shekhar Pati³, Helen Cross⁴, Ingrid Scheffer⁵
¹McGill University, Montreal Children's Hospital
²Austin Health
³Apollo Paediatric Centre
⁴UCL Institute of Child Health and Great Ormond Street Hospital for Children NHS Foundation Trust
⁵Austin Health, University of Melbourne
- 36 **POST-HOC ANALYSIS OF RUFINAMIDE STUDY 303: SEIZURE-FREE DAYS IN PATIENTS WITH LENNOX-GASTAUT SYNDROME (LGS)**
Stéphane Auvin¹, Betsy Williams², Rob McMurray³, Dinesh Kumar², Carlos Perdomo², Manoj Malhotra²
¹Pediatric Neurology Department and INSERM U1141, Robert-Debré University Hospital, APHP
²Eisai Inc.
³Eisai Ltd.
- 37 **IDENTIFICATION OF TWO COPY NUMBER VARIANTS IN GENETIC EPILEPSY WITH FEBRILE SEIZURES PLUS (GEFS +) FAMILIES**
Olivier Fortin¹, Christian Vincelette², Kenneth Alexis Myers³
¹Montreal Children's Hospital
²University of Sherbrooke
³McGill University Faculty of Medicine, McGill University Health Centre

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ABSTRACT # PAEDIATRIC EPILEPSY

- 38 **GENDER DISPARITY, INCOME ADEQUACY, AND GEOGRAPHIC LOCATION AMONG NEURODEVELOPMENTAL DISABILITIES IN CANADIAN CHILDREN; DATA FROM THE NATIONAL LONGITUDINAL STUDY OF CHILDREN AND YOUTH**
Zaid Salaheen¹, Bradley Corbett², Asuri Prasad³
¹Western University
²Ivey School of Business, Western University
³Division of Paediatric Neurology, Schulich School of Medicine, Western University
-

ABSTRACT # BASIC SCIENCE/ENGINEERING

- 39 **THE ROLE OF SEIZURES AND SPREADING DEPOLARIZATIONS FOR INJURY**
Karl Schoknecht¹, Majed Kikhia¹, Coline Lemale¹, Alon Friedman², Jens P. Dreier³
¹Neurology and Experimental Neurology, Charité – University Medicine Berlin, Germany
²Department of Medical Neuroscience, Dalhousie University, Halifax
³Center for Stroke Research and Department of Neurology and Experimental Neurology, Charité – University Medicine Berlin, Germany
- 40 **ISOFLURANE REDUCES PARAOXON-INDUCED BRAIN DAMAGE**
Evyatar Swissa¹, Guy Bar-Klein², Lyna Solomon Kamintsky³, Ofer Prager¹, Arik Eisenkraft⁴, Alon Friedman⁵
¹Departments of Brain and Cognitive Sciences, Physiology and Cell Biology, Zlotowski Center for Neuroscience, Ben-Gurion University of the Negev, Beer-Sheva, Israel
²McKusick-Nathans Institute of Genetic Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA, and Howard Hughes Medical Institute, Chevy Chase, Maryland, USA
³Department of Medical Neuroscience, Dalhousie University, Halifax, Nova Scotia
⁴The Institute for Research in Military Medicine, Hebrew University, Jerusalem, Israel
⁵Departments of Brain and Cognitive Sciences, Physiology and Cell Biology, Zlotowski Center for Neuroscience, Ben-Gurion University of the Negev, Beer-Sheva, Israel / Department of Medical Neuroscience, Dalhousie University, Halifax, Nova Scotia, Canada
- 41 **MULTI-ELECTRODE ARRAY DETECTION OF EXCITATORY SYNCHRONOUS ACTIVITY IN A SLICE MODEL OF EPILEPSY**
Adam Ravalia, Matthew Parsons
Memorial University of Newfoundland
-

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