3rd Dianalund International Conference on Epilepsy

Epileptic channelopathies – clinical spectrum and treatment perspectives

28-29th June, 2018
Sørup Herregård, Ringsted (Denmark)
Faculty

A Brunklaus (UK)
W Fazeli (Germany)
E Gardella (Denmark)
R Guerrini (Italy)
H Hjalgrim (Denmark)
KM Johannesen (Denmark)
B Koeleman (The Netherlands)
D Lal (USA)
J Lemke (Germany)
H Lerche (Germany)
D Lindhout (The Netherlands)
M Meisler (USA)
RS Møller (Denmark)
R Nabbout (France)
M Nikanorova (Denmark)
G Rubboli (Denmark)
S Sanders (USA)
S Sisodiya (UK)
S Syrbe (Germany)
P Veggiotti (Italy)
S Weckhuysen (Belgium)
M Wolff (Germany)
**Introduction**

Inherited channelopathies account for a substantial fraction of epilepsy syndromes ranging from severe infantile encephalopathies to relatively benign focal epilepsies. Recent molecular genetic advances have contributed to our understanding of the pathophysiological mechanisms underlying these epileptic disorders.

Although epileptic channelopathies are individually rare, they can be accurately diagnosed by careful clinical assessment, appropriate laboratory investigations and DNA-based diagnosis. An accurate diagnosis is important for genetic counselling and to direct treatment options. Recently, some evidences showing that dysfunctional channels can be specifically targeted with drugs acting on them has suggested that a “precision medicine” approach may be promising, particularly in this groups of diseases where drug-resistance is common and evidence based treatment is lacking.

The main aims of this conference are to provide an updated overview of the currently recognized forms of epileptic channelopathies, to review the present knowledge on their pathogenetic mechanisms, and to discuss present and future therapeutic approaches.

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**Scientific Committee**

Rikke S. Møller
Helle Hjalgrim
Elena Gardella
Guido Rubboli

**Organizing Committee**

Alice B. Lyseen
28 June 2018

8:45-9:00  Presentation of the conference: Helle Hjalgrim, Guido Rubboli

  Chairs: Guido Rubboli, Rikke Møller

9:00-9:45  **Lecture:** Clinical approach to epileptic channelopathies. Renzo Guerrini

9:45-10:15 Novel biological concepts of SCN1A related diseases - implications for clinical practice. Andreas Brunklaus

10:15-10:30 Treatment of SCN1A related disorders. Marina Nikanorova

10:30-11:00 **Coffee break**

  Chairs: Johannes Lemke, Katrine Johannesen

11:00-11:30 SCN2A – clinical overview and innovative treatment. Markus Wolff

11:30-11:50 SCN2A mouse model: translational implications. Walid Fazeli

11:50-12:35 **Lecture:** The relationship of epilepsy and autism: insights from SCN2A. Stephan Sanders

12:30-13:30 **Lunch**

  Chairs: Sanjay Sisodiya, Helle Hjalgrim

13:30-14:15 **Lecture:** Functional studies – what is up and down? Holger Lerche

14:15-14:45 Electroclinical features of SCN8A. Elena Gardella

14:45-15:15 Functional studies in mouse models of SCN8A encephalopathy. Miriam Meisler

15:15-15:45 Shedding light into voltage-gated sodium channel associated neurodevelopmental disorders. Dennis Lal

15:45-16:15 **Coffee break**

  Chairs: Elena Gardella, Sarah Weckhuysen

16:15-16:45 SLC6A1 - MAE with a twist. Katrine Johannesen

16:45-17:15 GLUT1: very rare disease or underdiagnosed syndrome? Pierangelo Veggiotti

17:15-17:45 The many faces of CACNA1A related epilepsy. Steffen Syrbe

17:45-18:15: **“Late-breaking News”** (speakers to be announced)

18:15-18:45 General Discussion. Dick Lindhout

19:30  Dinner
29 June 2018

Chairs: Bobby Koeleman, Rima Nabbout

8:30-9:15 Lecture: Clinical and genetic diagnostics of epileptic encephalopathies. Johannes Lemke

9:15-9:45 KCNQ2/KCNQ3 related disorders beyond the neonatal period. Sarah Weckhuysen

9:45-10:15 KCNA2: genotype-phenotype associations and treatment implications. Guido Rubboli

10:15-10:45 KCNT1: Lessons from bench to bed translation. Rima Nabbout

10:45-11:15 Coffee break

Chairs: Renzo Guerrini, Holger Lerche

11:15-11:45 KCNB1 encephalopathy: a neurodevelopmental disorder including epilepsy and autism. Rikke Møller

11:45-12:15 New kids on the block: SLC1A2, KCNQ5, CACNA1E etc. Bobby Koeleman

12:15-13:00 Lecture: Precision medicine in genetic epilepsies. Sanjay Sisodiya

13:00-13:30 CBD treatment – hot or not? Helle Hjalgrim

13:30-14:00 General Discussion and end of the meeting. Rikke Møller, Guido Rubboli

14.00-15.00 Lunch buffet / lunch package
GENERAL INFORMATION

The venue of the conference is Sørup Herregaard which is located Sørupvej 26, 4100 Ringsted (Denmark). The conference will start on 28 June 2018 at 8:45 and will end on 29 June 2018 at 13:00.

Sørup Herregaard is about 7 km from Ringsted railway station. Ringsted can be reached by train from Copenhagen Central Station (about 40 minutes).

Highway E20 connects Ringsted to Copenhagen (about 45 min drive),

Rooms are available for the participants at Sørup Herregaard and they can be included in the registration.

Registration fees:

€ 450: full meeting incl. conference dinner (28.6.18) – 2 nights (27-28/6/18)
€ 350: 1½ day incl. conference dinner (28.6.18) – 1 night (28/6/17)
€ 250 – registration with conference dinner (28.6.18)

Registration fees: has to be paid on bank account:
Danske Bank
Address: Torvet 6, 4100 Ringsted (Denmark)
Account n. 4343 0006406319  IBAN: DK45 3000 0006 4063 19   SWIFT-BIC: DABADKKK.

Please report in the payment your name and the title of the conference.

Please send the filled registration form to the attention of Alice Bøjlund Lyseen:
genetics@filadelfia.dk