Danish Epilepsy Centre

Sørup Herregaard

3rd Dianalund International Conference on Epilepsy

Epileptic channelopathies – clinical spectrum and treatment perspectives

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28-29th June, 2018

Sørup Herregård, Ringsted (Denmark)

FILADELFIA

INTERNATIONAL LEAGUE AGAINST EPILEPSY ILAE Established 1909

DANSK EPILEPSI SELSKAB
Danish Epilepsy Society

SDU
UNIVERSITY OF SOUTHERN DENMARK

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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.

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.

Poster presentations are accepted. An abstract of up to 250 words should be sent by April 1st, 2018 to Katrine Johannesen via e-mail (genetics@filadelfia.dk).

Sørup Herreggaard 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

Further information: http://www.filadelfia.dk/filadelfia/aktuelt/ny-forskning-forside