

## EpiReC Retreat 2022

4th Annual Meeting of the Epilepsy Research Centre Prague

<b>Date</b>	26 <sup>th</sup> October 2022, 14:30-18:15
<b>Venue</b>	Pelouchova hall, Second Faculty of Medicine, Plzeňská 311, Prague 5
<b>Registration</b>	Via online registration form: <a href="https://forms.gle/N1qqNKwy56wCCsAp9">https://forms.gle/N1qqNKwy56wCCsAp9</a> . Please confirm your attendance by October 17, 2022.

### Event Partners



## PROGRAMME

14:30-14:35

**Welcome**

*Vladimir Komarek and Premysl Jiruska*

14:35-15:05

**Invited Speaker**

The epileptogenic zone in children with tuberous sclerosis complex is characterized by prominent features of focal cortical dysplasia

*Barbora Straka*

15:05-16:05

**Ignite presentations I. (5+5 min)**

*Chair: John G.R. Jefferys and Pavel Krsek*

Interictal epileptiform discharges reliably differentiate between focal cortical dysplasia type I and II

*Radek Janca*

Ripples and fast ripples in a mouse model of focal cortical dysplasia

*Jan Chvojka*

Dysmorphic neurons in FCD have different firing profile from normal pyramidal cells

*Minh-Thao Nguyenova*

Optogenetic study on functional properties of focal cortical dysplasia

*Salome Kylarova*

Oligodendrocyte lineage cells deficiency in focal cortical dysplasia

*Helena Pivonkova*

Assessment of metabolic functions of human neuronal progenitors

*Sarka Danacikova*

16:05-16:10

**Group photo**

16:10-16:40

**Coffee break, refreshments**

16:40-18:00

**Ignite presentations II.**

*Chair: Petr Marusic and Jakub Otahal*

Spontaneous activity of VIP-positive interneurons tends to rise before  
the first seizures occurrence and declines thereafter

*Ondrej Novak*

Fluorescence Lifetime Imaging – principles

*Jan Svoboda*

Detection of short tandem repeat pathogenic expansions from next  
generation sequencing data as a new diagnostic tool

*Alena Musilova*

Partial volume correction of FDG-PET can help to identify indistinct  
hypometabolic lesions

*Katerina Mackova*

Apnoeas and bradyarrhythmias during spontaneous tonic-clonic  
seizures in rats with hippocampal epileptic foci

*Karolina Liska*

Epilepsy surgery in children with operculo-insular epilepsy

*Martin Kudr*

Neural dynamics underlying cognitive functions in epilepsy patients  
with intracerebral electrodes

*Jiri Hammer*

Multi delay arterial spin labeling MRI

*Yeva Prysiazhniuk*

18:00-18:15

**EpiReC – current state and plans for 2023**

*Jakub Otahal*

18:15

**Networking and afterparty**



## VISION

**Outstanding epilepsy research – paving the way to a life seizure free**



## MISSION

**We aim to transform the lives of people with epilepsy through high-quality research, rapidly translated into patient benefit.**



## COLLABORATING INSTITUTIONS



2. LF UK



FN MOTOL

