ILAE ACADEMY

FRIEDRICH-ALEXANDER UNIVERSITÄT ERLANGEN-NÜRNBERG

UNICAMP BRAIN BRAZILIAN INSTITUTE OF NEUROSCIENCE AND NEUROTECHNOLOGY

1963/2013 FCM - UNICAMP

12th ILAE School for Neuropathology and Neuroimaging in EpilepSy

INES 2023

July 19-22, 2023
UNICAMP - Campinas, Brazil

Course Directors:
Fabio Rogerio, Fernando Cendes & Ingmar Blümcke

For more information, please contact:
fabiorogerio2@gmail.com

THE INTERNATIONAL SOCIETY OF NEUROPATHOLOGY

FAPESP

Universitätsklinikum Erlangen

Workshop Description

The international classification of epilepsies recognizes a large spectrum of substrates as potential predictors of disease progression and treatment response. Reliable neuropathological and neuroimaging work-up of epilepsy-associated brain lesions represents thus an important diagnostic value for the successful management of patients with focal epilepsy. The ***12th International Summer School for Neuropathology and Neuroimaging in Epilepsy*** will specifically address the issue to enable participants to better recognize and classify various brain lesions. We will offer an integrated approach to combine neuropathology and neuroimaging skills and knowledge. The workshop has been held previously in Germany, Brazil, USA and China with a focus on histopathology and the endorsement of the International League Against Epilepsy (ILAE). **Advanced hands-on histopathology training will still be offered in small groups led by distinguished tutors but also includes hands-on skills on reformatting brain MR images.** We will offer all participants use cases to further develop their skills and help integrating knowledge of histology and imaging related to the diagnosis and treatment of human focal epilepsies.

Learning Objectives of the ILAE curriculum

1.1.1 Demonstrate working knowledge of etiologies for focal and generalized epilepsies in children and adults (Level 1-3) with particular emphasis on hippocampal sclerosis, glio-neuronal brain tumors and malformations of cortical development (includes 1.1.2, 1.1.4 and 1.1.6)

1.5.1 Accurately order and interpret neuroimaging as it pertains to epilepsy (Level 1-3) with particular emphasis on MRI sequences optimized for epilepsy, and interpretation of the results in the clinical context (1.5.5)

4.1 Demonstrate working knowledge of indications for pre-surgical evaluation and etiologies amenable to surgical treatment and their prognosis in all age groups (4.4)

Course Faculty

FAU – Erlangen, Germany:

Ingmar Blümcke

Roland Coras

Stefan Rampp

UNICAMP – Campinas, Brazil:

Marina Koutsodonts Machado Alvim

Simoni Helena Avansini

Fernando Cendes

Enrico Ghizoni

Marcus Vinicius Giglio

Iscia Lopes-Cendes

Fabio Rogerio

Helder Tedeschi

Clarissa Lin Yasuda

Secretary: Ms Andréa Ismara de Araújo Ruas,
please contact: **aruas@unicamp.br**

Target Audience

Neuro-/Pathologists, Neuroimager, Epileptologists, Neurosurgeons, Neurologists, and Basic Researcher at all levels of professional expertise (please indicate your level within application)

Preliminary Program

Wednesday (19th): 9.00h – 17.00h

- **Lecture: Neuroanatomy of sulci and gyri and of the temporal lobe** (Enrico Ghizoni)
- **Brain dissection for pathologists** (Ghizoni, Giglio, Tedeschi, Rampp)
- **Basic pathology training for non-pathologists** Blümcke, Rogerio, Coras)
- **Lecture: Principles in clinical EEG-imaging investigation** (Stefan Rampp)
- **Lecture: Focal Cortical Dysplasia** (Ingmar Blümcke)

Thursday (20th): 9.00h – 18.00h

- **Lecture: Hipocampal sclerosis** (Roland Coras)
- **Lecture: Epilepsy-associated brain tumours** (Ingmar Blümcke)
- **Lecture: Epilepsy genetics** (Iscia Lopes-Cendes)
- **Basic neuroimaging training** with faculty
  - for pathologists (Cendes, Alvim)
  - for non-pathologists (Rampp, Yasuda)
- **Case preparation in groups** with faculty
  - for pathologists (Blümcke, Cendes, Rogerio, Alvim)
  - for non-pathologists (Rampp, Ghizoni, Coras, Yasuda)

Friday (21st): 9.00h – 18.00h

- **Lecture: Research with brain organoids in focal cortical dysplasia** (Simoni Avansini)
- **Case review in groups** with faculty
  - for pathologists (Blümcke, Cendes, Rogerio, Alvim)
  - for non-pathologists (Rampp, Ghizoni, Coras, Yasuda)
- **Case presentation and discussion with alignment of histology and imaging** for entire group and faculty

Saturday (22nd): 9.30h - 14.00h

- **Case presentations and discussion with faculty** (Cases from the students supported with bursaries)
- **Final group discussion** *all faculty and participants*
- **Certificates and Farewell**

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ILAE International League Against Epilepsy

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Registration

Please register in advance as room will be limited. **No on-site registration available.**

To be considered, applications must be received by **March 31st, 2023**. We urge that you apply as soon as possible to reserve your spot and avoid disappointment.

Applications should include a **brief description** of your current **clinical practice** and **experience in** the field of **neuropathology** and/or **epileptology and neuroimaging**, together with a **short CV** (in English or Portuguese).

Please indicate your preferred assignment to group work for **(A) Neuropathology** or **(B) Neuroimaging.**

Please send your application by email to: fabiorogerio2@gmail.com

Successful participants will be informed no later than 20 workings days from the application deadline, and will receive all further instructions regarding payment and full registration.

Registration fee:

US$ 350.00 (non-Brazilians)* or R$ 1.800,00 (Brazilians)*.

* This fee covers lunch and beverages from WED-SAT, a welcome reception and social dinner. Registration fees **exclude** accommodation, airfares and other travel to Campinas. Travel bursaries from ILAE or ISN are available to participants from low- or middle-income countries. Please contact us for further information.

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