



# 10<sup>th</sup> International Summer School for Neuropathology and Neuroimaging in Epilepsy

## INES 2019

July 24-27, 2019

UNICAMP - Campinas, Brazil



### Course Directors:

Fabio Rogerio, Fernando Cendes & Ingmar Blümcke

### For more information, please contact:

[fabiorogério2@gmail.com](mailto:fabiorogério2@gmail.com)



Universitätsklinikum  
Erlangen



# Workshop Description

Reliable neuropathological and neuroimaging work-up of epilepsy-associated brain lesions represents an important diagnostic value for the successful management of patients with focal epilepsy. The international classification of epilepsies recognizes a large spectrum of substrates as potential predictors of disease progression and treatment response. The **10th International Summer School for Neuropathology and Neuroimaging in Epilepsy** was specifically designed to address the issue and to enable participants to better recognize and classify various brain lesions. For the first time, 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 our 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. Demonstrate working knowledge of etiologies for focal and generalized epilepsies in children and adults (Level 1-3)
- 1.2 Identify and describe seizure semiology using standardized ILAE terminology and classification systems (Level 1-2)
- 1.5 Accurately order and interpret neuroimaging as it pertains to epilepsy (Level 1-3)

# Course Faculty

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Ingmar Blümcke (Erlangen)

Fernando Cendes (Campinas)

Roland Coras (Erlangen)

Enrico Ghizoni (Campinas)

Katja Kobow (Erlangen)

Iscia Lopes-Cendes (Campinas)

Stefan Rampp (Erlangen)

Fabio Rogerio (Campinas)

Helder Tedeschi (Campinas)

Secretary: Andréa Ismara de Araújo Ruas, please contact [andrea.ruas@reitoria.unicamp.br](mailto:andrea.ruas@reitoria.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

## 2<sup>nd</sup> SPRINT workshop (with invitation only)

**Brazilian (FAPESP) – German (FAU) collaboration on molecular and histopathological studies on FCD**

- Collaborative epilepsy brain banking
- Collaborative genomic screening in focal epilepsies

## Wednesday (24<sup>th</sup>): 14.00h – 18.00h

- **Lecture: Neuroanatomy of sulci and gyri and of the temporal lobe** (Enrico Ghizoni)
- **Brain dissection for pathologists** (Ghizoni, Tedeschi, Cendes, Rampp)
- **Basic pathology training for non-pathologists** (Blümcke, Rogerio, Coras)

## Thursday (25<sup>th</sup>): 9.00h – 18.00h

- **Lecture: Principles in clinical EEG-imaging investigation** (Stefan Rampp)
- **Lecture: Focal Cortical Dysplasia** (Roland Coras)
- **Lecture: Epigenetics** (Katja Kobow)
- **Case preparation in groups** with faculty
  - for pathologists (Blümcke, Cendes, Rogerio)
  - for non-pathologists (Rampp, Ghizoni, Coras, Kobow)
- **Case presentation with alignment of histology and imaging** for entire group and faculty

## Friday (26<sup>th</sup>): 9.00h – 18.00h

- **Lecture: Epilepsy-associated brain tumours** (Blümcke)
- **Lecture Epilepsy genetics** (Lopes-Cendes)
- **Case preparation in groups** with faculty
  - for pathologists (Blümcke, Cendes, Rogerio)
  - For non-pathologists (Rampp, Ghizoni, Coras, Kobow)
- **Case presentation with alignment of histology and imaging** for entire group and faculty

## Saturday (27<sup>th</sup>): 9.00h - 14.00h

- **Advanced discussion groups** with faculty
  - for pathologists (Blümcke, Cendes, Rogerio)
  - for non-pathologists (Rampp, Ghizoni, Coras, Kobow)
- **Final group discussion** all faculty and participants
- Certificates and Farewell

# Registration

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

To be considered, applications must be received by **April 1<sup>st</sup> 2019**. 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.

Please indicate your level of experience in histopathology:  
**A** – experienced, **B** – beginner, **C** – non-experienced.

Please send your application by email to:  
[fabiorogero2@gmail.com](mailto:fabiorogero2@gmail.com)

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

**Registration fee: (US\$ 350.00 (non Brazilians) or**

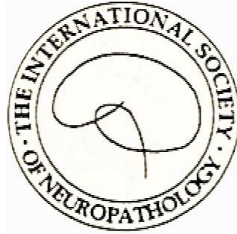
**R\$ 1,300.00 (One thousand and three hundred Brazilian Reais)**

**(Brazilians)).**

This fee covers lunch and beverages from WED-SAT, a welcome reception and social dinner, as well as your personal copy of the INES 2019 syllabus. Registration fees exclude accommodation, airfares and other travel to Campinas. Travel bursaries are available to participants from low or middle income countries. Please contact us for further information.



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save the date



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FOR MORE INFORMATION, PLEASE CONTACT:

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e-mail: [andrea.ruas@reitoria.unicamp.br](mailto:andrea.ruas@reitoria.unicamp.br)