



## Fourth International Training Course on Neuroimaging of Epilepsy

### Pre-recorded Lectures

You must view these lectures before the beginning of the Course

During the daily “Meet the Expert” sessions, there will be a Question & Answer period according to the topic of the day.

#### VISUAL DIAGNOSTICS USING STRUCTURAL MRI

- 1-Principles of MRI and novel quantitative contrasts (**D. Rudko**)
- 2-MRI protocol and visual evaluation (**A. Bernasconi**)
- 3-Optimizing visual diagnostics (**F. Cendes**)

#### COMPUTER-AIDED DIAGNOSTICS USING STRUCTURAL MRI

- 4-Basic principles of image processing (**L. Collins**)
- 5-Image analysis - Temporal lobe epilepsy (**N. Bernasconi**)
- 6-Image analysis - Neocortical epilepsy (**A. Bernasconi**)

#### FUNCTIONAL MRI AND CONNECTIVITY, MULTIMODAL MRI

- 7-Task-based fMRI – Language and memory applications (**M. Koepp**)
- 8- Epilepsy connectomics – Principles and applications (**B. Bernhardt**)
- 9- Epilepsy connectomics – The nitty-gritties (**B. Bernhardt**)
- 10-Multimodal imaging of focal benign epilepsies (**A. Labate**)