

## Fourth International Training Course on Neuroimaging of Epilepsy

MAY 11 - 14, 2021

### PROGRAM

#### DAY 1 – TUESDAY, MAY 11

08:00 – 08:30 | Welcome (**Andrea Bernasconi & Neda Ladbon-Bernasconi**)

#### VISUAL DIAGNOSTICS USING STRUCTURAL MRI

##### Meet the expert

08:30 – 09:30 | Q&A on pre-recorded lectures to be viewed prior to the course

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

09:30 – 10:00 | Break

##### Teaching session

10:00 – 11:30 | Case review – Visual diagnosis (Group 1: **NB**; Group 2: **AB**)

11:30 – 12:00 | Break

12:00 – 13:30 | Case review – Visual diagnosis (Group 1: **NB**; Group 2: **AB**)

13:30 – 14:00 | Break

14:00 – 15:00 | Meet & Greet - Attendees and Faculty

#### DAY 2 – WEDNESDAY, MAY 12

08:15 – 08:30 | Introduction (**A. & N. Bernasconi**)

#### COMPUTER-AIDED DIAGNOSTICS USING STRUCTURAL MRI

##### Meet the expert

08:30 – 09:30 | Q&A on pre-recorded lectures to be viewed prior to the course

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

09:30 – 10:00 | Break

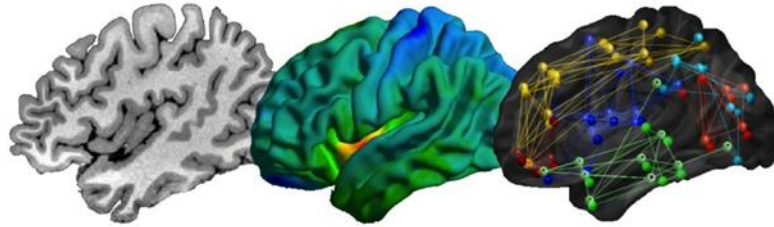
##### Teaching session

10:00 – 12:00 | Case review – Computer-aided diagnosis (Group 1: **NB**; Group 2: **AB**)

12:00 – 12:30 | Break

12:30 – 14:00 | Case review – Computer-aided diagnosis (Group 1: **NB**; Group 2: **AB**)

14:00 – 14:15 | Conclusion of the day (**N. & A. Bernasconi**)



### DAY 3 –THURSDAY, MAY 13

08:15 – 08:30 | Introduction (**A. & N. Bernasconi**)

#### **FUNCTIONAL MRI AND CONNECTIVITY, MULTIMODAL MRI**

##### **Meet the expert**

08:30 – 10:00 | [Q&A on pre-recorded lectures to be viewed prior to the course](#)

- 7) *Task-based fMRI – Language and memory* (**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**)

10:00-10:30 | Break

##### **Teaching session**

10:30-12:00 | Computer-aided diagnosis – case review (**N. & A. Bernasconi**)

12:00-12:30 | Course Wrap-up – Feedback