Day 1 (half day): Fundamentals of fMRI
13:00  13:30  The BOLD effect, and beyond
13:30  14:00  fMRI data acquisition
14:00  14:30  Essentials of fMRI data pre-processing
14:30  15:15  Introduction to fMRI data analysis
15:15  15:45  break
15:45  16:30  Pitfalls and artefacts in fMRI
16:30  17:00  Neurovascular uncoupling: what now?

Day 2: Task-based fMRI (notably for presurgical planning)
09:00  09:30  Setting up task-based fMRI in clinical practice
09:30  10:15  The motor system: task design and functional anatomy
10:15  10:45  The language system: functional anatomy
10:45  11:15  Mapping the language system with task-based fMRI
11:15  11:45  break
11:45  12:15  Special consideration in paediatric populations
12:15  12:45  The visual system: task design and functional anatomy
12:45  13:15  Task-based fMRI interpretation and presentation for clinical routine
13:15  13:45  Presurgical planning with fMRI: the Neurosurgeon’s perspective
13:45  14:45  lunch
workshop 1: task-based fMRI data acquisition and analysis - ask the physicist!
workshop 2: pitfalls and artefacts (case based)
14:45  18:15  workshop 3: reading clinical cases with the Neurosurgeon and Neuroradiologist
workshop 4: how to set up your task/prepare your patient

Day 3: Resting-state fMRI (notably for neurodegenerative/psychiatric disease)
09:00  09:45  Resting-state versus task-based fMRI
09:45  10:15  Seed based analysis versus ICA for resting state fMRI
10:15  10:45  Resting-state fMRI: atlas based analysis
10:45  11:15  break
11:15  11:45  fMRI in epilepsy
11:45  12:30  Static and dynamic functional connectivity
12:30  13:00  fMRI for psychiatric disease
13:00  13:30  fMRI in neurodegenerative disease
13:30  14:30  lunch
workshop 1: resting state fMRI data acquisition and analysis - ask the expert!
workshop 2: name that network - reading resting state fMRI with experts
workshop 3: demonstration by vendors
workshop 4: demonstration by vendors