



Epilepsy Neuroimaging Course

Thursday 22nd - Saturday 24th March 2018

Thursday: UCL Wellcome Trust Centre for Neuroimaging (FIL) 12 Queen Sq., London, WC1N 3BG

Friday & Saturday: MRI Unit, Chalfont Centre, Chesham Lane, Chalfont St Peter, SL9 0RJ

Programme

Day 1: Thursday 22nd March - London

08:30 to 8:45	Registration and refreshments
08:45 to 09:0	Welcome statement & introduction
09:00 to 09:45	Lecture: Size of the problem Professor John Duncan
09:45 to 10:45	Lecture: MR-Physics for medics part 1: T₁ and T₂ artefacts Dr. S Vos
10:45 to 11:15	Refreshments In the boardroom
11:15 to 12:15	Lecture: Neuroradiology for neurologists Dr. F Woermann
12:15 to 13:15	Lecture: Voxel-based analysis Dr. J Ashburner

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13:15 to 14:15	Lunch October Gallery, 24 Old Gloucester Street, WC1N 3AL https://goo.gl/maps/3117sbVXZLR2
14:15 to 17:15	Modules 1 + 2 (optional) 1. TBC 2. PET / MR (UCLH)
18:00 to 19:00	Lecture: Image analysis in temporal and extra-temporal lobe epilepsy - Neda & Andrea Bernasconi
19:30	Transfer to Chalfont

Day 2: Friday 23rd March - Chalfont

09:00 to 10:00	Lecture: Neuroanatomy Professor A. Hammers
10:15 to 13:15	Tutorials (groups of 10) <ul style="list-style-type: none"> ● MRI acquisitions ● Hippocampal volumetry ● Qualitative visual analysis
13:15 to 14:15	Lunch (ESRC)
14:15 to 14:45	Introduction Quantitative MRI analysis - A Bernasconi
14:45 to 16:45	Group-work (10 workstations)
17:00 to 18:30	Group discussions - Neda & Andrea Bernasconi
19:30	Dinner at the Ivy House http://www.ivyhousechalfontstgiles.co.uk/

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Day 3: Saturday 24th March - Chalfont

09:00 to 09:45	Lecture: MR -physics for medics part II: Diffusion imaging, BOLD S Vos
09:45 to 10:30	Lecture: Functional imaging and connectivity C Vollmar
10:30 to 11:15	Lecture: Structural Imaging and connectivity, connectome Dr. Simon Keller
11:15 to 11:45	Refreshments (ESRC)
11:45 to 13:15	Module 1 <ul style="list-style-type: none">● Clinical fMRI (motor & language)● Advanced fMRI (memory)● EEG-fMRI and resting state● Tractography● VBM● Multi-modal imaging
13:15 to 14:15	Lunch (ESRC)
14:15 to 15:45	Module 2 <ul style="list-style-type: none">● Clinical fMRI (motor & language)● Advanced fMRI (memory)● EEG-fMRI and resting state● Tractography● VBM● Multi-modal imaging
15:45 to 16:15	Refreshments
16:15 to 17:45	Module 3 <ul style="list-style-type: none">● Clinical fMRI (motor & language)● Advanced fMRI (memory)● EEG-fMRI and resting state● Tractography● VBM

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	<ul style="list-style-type: none">● Multi-modal imaging
18:00 to 18:30	Conclusions, quiz and feedback
18:30	End of course

International League Against Epilepsy British Chapter

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