



# 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	<b>Registration and refreshments</b>
08:45 to 09:00	<b>Welcome statement &amp; introduction</b>
09:00 to 09:45	<b>Lecture: Size of the problem</b> Professor John Duncan
09:45 to 10:40	<b>Lecture: MR-Physics for medics part 1: T<sub>1</sub> and T<sub>2</sub> artefacts</b> Dr. S Vos
10:40 to 11:00	<b>Refreshments</b>
11:00 to 12:00	<b>Lecture: Neuroradiology for neurologists</b> Dr. F Woermann
12:00 to 13:00	<b>Lecture: Voxel-based analysis</b> Dr. J Ashburner

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<https://www.eventbrite.co.uk/e/the-2018-ilae-british-chapter-epilepsy-neuroimaging-teaching-course-registration-37941683597>

13:15 to 14:15	<b>Lunch</b> October Gallery, 24 Old Gloucester Street, WC1N 3AL <a href="https://goo.gl/maps/3117sbVXZLR2">https://goo.gl/maps/3117sbVXZLR2</a>
14:15 to 17:15	<b>Modules</b> <b>A. Gower's Round; Telemetry/MDT</b> <b>B. PET / MR (UCLH) - M Galovic, B Blasi, E Arstad, J Dickson</b>
18:00 to 19:00	<b>Lecture (Wolfson): Image analysis in temporal lobe epilepsy</b> Andrea Bernasconi
19:15 to 20:00	<b>Drink Reception (Basement 33 Queen Square)</b>
20:00	<b>Transfer to Chalfont</b>

## Day 2: Friday 23rd March - Chalfont Centre for Epilepsy

09:00 to 10:00	<b>Lecture (Gowers Seminar Room): Neuroanatomy</b> Professor A. Hammers
10:00 to 11:00	<b>Lecture: Image analysis in extra-temporal lobe epilepsy</b> A Bernasconi
11:00 to 11:20	<b>Refreshments (ESRC)</b>
11:20 to 13:20	<b>Tutorials (groups of 6)</b> <ul style="list-style-type: none"> <li>● MRI acquisition - A Hill, L Caciagli</li> <li>● Hippocampal volumetry - J Burdett</li> <li>● Qualitative visual analysis - C Vollmar, F Woermann</li> <li>● Quantitative analysis - A Bernasconi</li> </ul>
13:30 to 14:30	<b>Lunch (ESRC)</b>
14:00 to 14:30	<b>Walking Tour Epilepsy Society (optional)</b>
14:30 to 18:50	<b>Tutorials (groups of 6)</b>

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16:30 to 16:50	<b>Refreshments</b>
19:45	<b>Dinner at the Ivy House</b> <a href="http://www.ivyhousechalfontstgiles.co.uk/">http://www.ivyhousechalfontstgiles.co.uk/</a>

### Day 3: Saturday 24th March - Chalfont Centre, Epilepsy Society

09:00 to 09:30	<b>Lecture (Gowers Seminar Room): MR-physics for medics part II: Diffusion imaging - S Vos</b>
09:30 to 10:00	<b>Lecture: BOLD response and resting state - M Hutel</b>
10:00 to 10:30	<b>Lecture: Functional imaging and connectivity - C Vollmar</b>
10:30 to 10:45	<b>Refreshments (ESRC)</b>
10:45 to 11:15	<b>Lecture: Structural connectivity, connectomics - S Keller</b>
11:15 to 11:45	<b>Lecture: 7T MRI - M Symms</b>
11:50 to 13:30	<b>Modules 1 &amp; 2</b> <ul style="list-style-type: none"> <li>● Clinical fMRI (motor &amp; language)</li> <li>● Advanced fMRI (memory)</li> <li>● EEG-fMRI</li> <li>● Resting state</li> <li>● DTI/ Tractography</li> <li>● Big data (VBM)</li> <li>● Multi-modal imaging</li> <li>● Pediatric structural imaging and fMRI</li> <li>● Connectomics</li> <li>● 7T- MRI</li> <li>● PET</li> </ul>
13:30 to 14:15	<b>Lunch (ESRC)</b>
14:15 to 16:00	<b>Modules 3 &amp; 4</b>
16:00 to 16:15	<b>Refreshments</b>
16:15 to 18:00	<b>Modules 5 &amp; 6</b>
18:15 to 18:30	<b>Conclusions, quiz and feedback</b>
18:30	<b>End of course</b>

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# International League Against Epilepsy British Chapter

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