



## 3<sup>rd</sup> ILAE British Branch Epilepsy Neuroimaging Course

**Location: MRI Unit, Chalfont Centre, Chalfont St Peter, UK, SL9 0RJ**

### **Day 1: Thursday 28th February 2019**

13:00 - 14:00	<b>Registration and refreshments</b>
14:00 - 14:15	<b>Welcome statement &amp; introduction</b> - Matthias Koepp
14:15 - 15:00	<b>Lecture: MR-Physics for epileptologists Part I: T1/ T2 and artefacts</b> - Sjoerd Vos
15:00 - 15:45	<b>Lecture: BOLD-fMRI and resting state</b> - Lorenzo Caciagli
15:45 - 16:15	<b>Refreshments</b>
16:15 - 17:00	<b>Lecture: MR-Physics Part II: Diffusion tensor imaging / tractography</b> – Sjoerd Vos
17:00 - 17:45	<b>Lecture: Voxel-based analysis</b> – Marian Galovic
17:45 - 18:30	<b>Lecture: PET for Neurologists</b> –Matthias Koepp

### **Day 2: Friday 1st March 2019**

09:00 - 09:45	<b>Lecture: Size of the problem</b> - John Duncan
09:45 - 10:45	<b>Lecture: Neuroanatomy for Epileptologists Part I</b> - Alexander Hammers
10:45 - 11:15	<b>Refreshments</b>
11:15 - 12:15	<b>Lecture: Neuroanatomy for Epileptologists Part II</b> - Alexander Hammers
12:15 - 13:00	<b>Lecture: MRI for Epileptologists</b> - Friedrich Woermann

13:00 - 14:00	<b>Lunch</b>
14:00 - 15:00	<b>Module 1</b> <ul style="list-style-type: none"> <li>• MRI acquisition - Andrea Hill, Lorenzo Caciagli, Marian Galovic</li> <li>• Quantitative MRI (hippocampal volumetry/T2/Basic DTI - Sjoerd Vos</li> <li>• Qualitative visual analysis - Christian Vollmar</li> <li>• Qualitative visual analysis - Friedrich Woermann</li> </ul>
15:10 - 16:10	<b>Module 2 (same topics as module 1)</b>
16:20 - 17:20	<b>Module 3 (same topics as module 1)</b>
17:30 - 18:30	<b>Module 4 (same topics as module 1)</b>
19:00	<b>Dinner – venue to be confirmed</b>

### Day 3: Saturday 2nd March 2019

09:00 - 09:30	<b>Lecture: Episodic memory fMRI – Meneka Sidhu</b>
09:30 - 10:00	<b>Lecture: Working memory fMRI - Britta Wandschneider</b>
10:00 - 10:30	<b>Lecture: Functional imaging and Connectomics - Silvia Bonelli</b>
10:30 – 11:00	<b>Lecture: EEG-fMRI - Khalid Hamandi</b>
11:00 - 11:30	<b>Refreshments</b>
11:30 - 12:30	<b>Tutorial 1</b> <ul style="list-style-type: none"> <li>• <b>Basic fMRI –</b> Lorenzo Caciagli</li> <li>• <b>Advanced Language / Memory fMRI –</b> Silvia Bonelli, Meneka Sidhu</li> <li>• <b>Advanced DTI/ Tractography -</b> Sjoerd Vos</li> <li>• <b>EEG fMRI -</b> Khalid Hamandi</li> <li>• <b>Multi-modal imaging -</b> John Duncan, Roman Rodionov</li> <li>• <b>PET I -</b> Alexander Hammers, Bianca DeBlasi</li> </ul>
12:30 - 13:30	<b>Lunch</b>

13:30 - 14:30	<b>Tutorial 2</b> <ul style="list-style-type: none"> <li>• <b>Basic fMRI</b> – Lorenzo Caciagli</li> <li>• <b>Advanced Language / memory fMRI</b> – Meneka Sidhu</li> <li>• <b>Advanced DTI/ Tractography</b> - Sjoerd Vos</li> <li>• <b>Connectomics</b> – Barbara Kreilkamp</li> <li>• <b>Multi-modal imaging</b> - John Duncan, Roman Rodionov</li> <li>• <b>PET II</b> - Alexander Hammers, Bianca DeBlasi</li> </ul>
14:40 - 15:40	<b>Tutorial 3</b> <ul style="list-style-type: none"> <li>• <b>Advanced language fMRI</b> – Sarah Buck, Lorenzo Caciagli</li> <li>• <b>Connectomics</b> – Barbara Kreilkamp</li> <li>• <b>Pediatric MRI/fMRI</b> - Torsten Baldeweg</li> <li>• <b>Multi-modal imaging</b> - Shahrzad Shapoori, Vejay Vakharia</li> <li>• <b>Big data / VBM</b> - Marian Galovic</li> <li>• <b>PET I</b> - Alexander Hammers</li> </ul>
15:50 - 16:50	<b>Tutorial 4</b> <ul style="list-style-type: none"> <li>• <b>Advanced Memory fMRI</b> – Sarah Buck, Britta Wandschneider</li> <li>• <b>Resting state-fMRI</b> - Bianca DeBlasi</li> <li>• <b>Pediatric MRI/fMRI</b> – Torsten Baldeweg</li> <li>• <b>Multi-modal imaging</b> - Shahrzad Shapoori, Mr Vejay Vakharia</li> <li>• <b>Big data / VBM</b> - Marian Galovic</li> <li>• <b>PET II</b> - Alexander Hammers</li> </ul>
17:00 - 17:30	<b>Conclusions, quiz, feedback, end of course</b>

### Registration

To register for this course, visit the website - <https://eu.eventscloud.com/ilae-neuroimaging>

### Contact information

If you have questions about registration, or event logistics, do contact the ILAE Event team using the information below.

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