

ILAE British Branch

ILAE 2022 Epilepsy Neuroimaging Course

October 29 - 31 / Chalfont
Centre for Epilepsy, UK

Location: Epilepsy Society Research Centre (ESRC) and MRI Unit, Chalfont Centre for Epilepsy
Chesham Lane, Chalfont St Peter, Gerrards Cross, SL9 0RJ.

Registration site: <https://eu.eventscloud.com/neuroimaging.ilaebritish>

Day 1: Saturday 29th October 2022

09:00 - 10:00	Registration	ESRC Seminar Room
10:00 - 10:15	Welcome & introduction - Matthias Koepp	ESRC Seminar Room
10:15 - 11:00	Lecture: Size of the problem - John Duncan	ESRC Seminar Room
11:00 - 12:30	Lecture: MR-Physics for Epileptologists - Gareth Barker	ESRC Seminar Room
12:30 - 13:30	Lunch	ESRC Atrium
13:30 - 14:15	Lecture: MRI for Epileptologists - Friedrich Woermann	ESRC Seminar Room
14:15 - 15:00	Lecture: The dark arts of BOLD-fMRI - Lorenzo Caciagli (ZOOM)	ESRC Seminar Room
15:00 - 15:45	Lecture: Pre-operative Imaging - Christian Vollmar	ESRC Seminar Room
15:45 - 16:15	Refreshments	ESRC Atrium
16:15 - 17:15	Lecture: Computational neuroimaging - Andrea Bernasconi	ESRC Seminar Room
17:15 - 18:15	Lecture: From lesions to networks - Neda Bernasconi	ESRC Seminar Room
18:30 - 20:00	Drinks Reception / Networking	ESRC Atrium

Day 2: Sunday 30th October 2022

09:00 - 10:30	Lecture: Anatomy for Neuroimagers - Alexander Hammers	ESRC Seminar Room
10:30 - 11:10	Lecture: Pathology for Neuroimagers - Maria Thom	ESRC Seminar Room
11:10 - 11:30	Refreshments	ESRC Atrium
11:30 - 12:10	Lecture: Genetics for Neuroimagers - Sanjay Sisodiya	ESRC Seminar Room
12:10 - 12:50	Lecture: Neurophysiology for Neuroimagers - Khalid Hamandi	ESRC Seminar Room
12:50 - 13:30	Lecture: Neuropsychology for Neuroimagers - Sallie Baxendale	ESRC Seminar Room
13:30 - 14:30	Lunch	MRI Unit
14:30 - 15:30	Module 1 <ul style="list-style-type: none"> ● MRI acquisition - Andrea Hill ● Qualitative visual analysis - Christian Vollmar ● Qualitative visual analysis - Friedrich Woermann ● “Automated” lesion detection - Neda / Andrea Bernasconi 	MRI Scanner Room MRI Fellows Room ESRC Fellows Room ESRC Seminar Room
15:40 - 16:40	Module 2	
16:40 - 17:20	Refreshments / Tour of Chalfont Centre (optional)	ESRC atrium
17:20 - 18:20	Module 3	
18:30 - 19:30	Module 4	
20:00	Course dinner	

Day 3: Monday 31st October 2022

09:00 - 09:30	Lecture: Clinical fMRI –Meneka Sidhu (ZOOM)	ESRC Seminar Room
09:30 - 10:00	Lecture: Language fMRI –Karin Trimmel	ESRC Seminar Room
10:00 - 10:30	Lecture: Working memory fMRI - Britta Wandschneider (ZOOM)	ESRC Seminar Room
10:30 – 11:00	Lecture: Connectomics –Silvia Bonelli	ESRC Seminar Room

11:00 – 11:30	Lecture: 3D convolutional neural networks – Heath Pardoe (ZOOM)	ESRC Seminar Room
11:30 - 12:00	Refreshments	MRI Unit
12:00 - 13:00	Tutorial 1 <ul style="list-style-type: none"> • Basic fMRI – Andrea Hill, et all • FDG- PET - Alexander Hammers, ONLINE • 7T MRI functional / structural – Natalie Voets, Martina Callaghan (ZOOM), ONLINE • Paediatric MRI fMRI –Friedrich Woermann, Torsten Baldeweg, ONLINE 	MRI scanning room MRI Physics Room ZOOM / Reporting Room MRI Fellows Room
13:00 - 14:00	Lunch	MRI Unit
14:00 - 15:00	Tutorial 2 <ul style="list-style-type: none"> • Advanced fMRI – Andrea Hill, Karin Trimmel, Meneka Sidhu (ZOOM) • Paediatric MRI fMRI –Friedrich Woermann, Torsten Baldeweg, ONLINE • 7T MRI functional / structural – Natalie Voets, Martina Callaghan (ZOOM) ONLINE • Multi-modal –John Duncan, Roman Rodionov , ONLINE 	MRI Scanning room MRI Physics Room ZOOM / Reporting Room MRI Fellows Room
15:15 - 16:15	Tutorial 3 <ul style="list-style-type: none"> • EEG fMRI –Khalid Hamandi, Maria Centeno • Post-mortem MRI –David Maudgil, Andrea Hill, Owen Arthurs (ZOOM) ONLINE • Multi-modal –John Duncan, Roman Rodionov, ONLINE • EEG/TMS/fMRI workshop – Simona Balestrini 	MRI scanning room ZOOM / Reporting Room MRI Fellows Room TMS lab
16:30 - 17:30	Tutorial 4 <ul style="list-style-type: none"> • EEG fMRI - Khalid Hamandi, Maria Centeno • DTI/Tractography - Lawrence Binding, ONLINE • Pre-clinical PET / MRS –Teresa Ravizza (ZOOM), Erik Arstad (ZOOM), ONLINE • AI – Pegah Khosropanah, Fenglai Xiao, ONLINE 	MRI scanning room MRI Physics Room ZOOM / Reporting Room MRI Fellows Room
17:45 - 18:45	Tutorial 5 <ul style="list-style-type: none"> • FDG-and Neurotransmitter PET - Alexander Hammers, Matthias Koepp, ONLINE • Connectomics - Lorenzo Caciagli (ZOOM), ONLINE 	MRI Physics Room ZOOM / Reporting Room

	<ul style="list-style-type: none"> • VBM / post-processing - Marian Galovic (ZOOM), Baris Kanber ONLINE • EEG/TMS/fMRI workshop – Simona Balestrini 	MRI Fellows Room TMS lab
19:00 - 19:30	Conclusions, quiz, end of course (Halloween Party)	ESRC Seminar Room

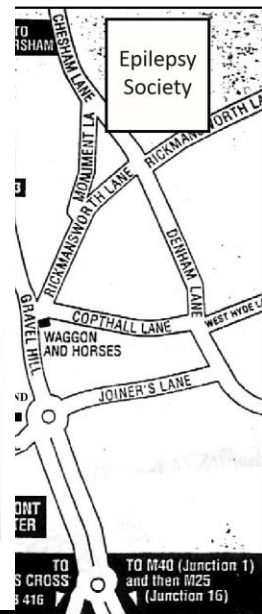
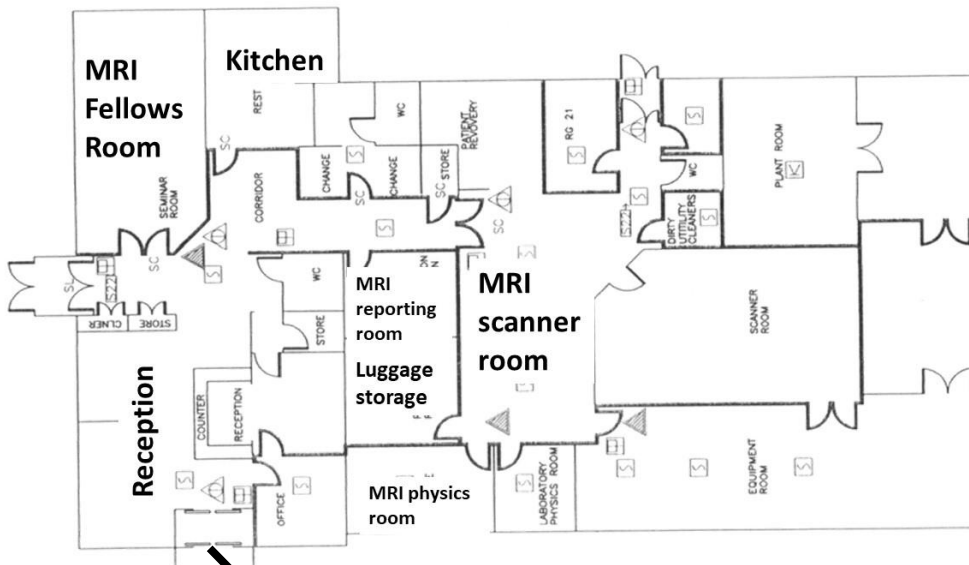
Contact information

If you have questions about registration, or event logistics, please contact the ILAE Event team:

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Registration site: <https://eu.eventscloud.com/neuroimaging.ilaebritish>

Site map –_see next page.



- F** Passmore Edwards House (main reception)
 - A** Personnel
 - B** Social Centre and Coffee Shop
 - C** Kent House (training)
 - D** Dearmer House
 - E** Therapy Centre
 - F** Art Centre
 - G** Epilepsy Society Research Centre
 - H** M.R.I Unit
 - I** The Sir William Gowers Centre
 - J** The Queen Elizabeth Medical Centre
 - K** Pearman
 - L** Kitchener House
 - M** The New House
 - N** Micholls House
 - O** Morton House
 - P** Milton House
 - Q** Queen Elizabeth House (Beech & Ash)
 - R** Queen Elizabeth House (Cedar & Willow)
 - S** Horticulture Centre
 - T** Recreation Hall
 - U** Greene House
 - V** Russell House
 - W** Information Services
 - X** Estates Department
 - Parking Disabled parking
- Contact details**
 T 01494 601 300
 Epilepsy Society, Chesham Lane,
 Chalfont St Peter, Buckinghamshire, SL9 0RJ

**Epilepsy Society
 Research Centre
 (ESRC)**

Epilepsy Society MRI Unit

Directions are available at www.epilepsysociety.org.uk/contact