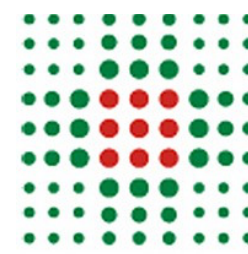




UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA



**SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA**
Azienda Ospedaliero-Universitaria di Modena

Calendar of Seminars and Lectures Prof. Louis Lemieux

12 March 2024, 15:00-16:30, Aula H1.1 (Fisiologia) – 1° piano

EEG Recording Inside the MRI Scanner: Safety and Data Quality

For clinical investigators, radiologists, medical physicists and engineers, radiographers interested in MRI in the presence of EEG recording equipment.

22 March 2024, 15:00-16:30, Aula H1.1 (Fisiologia) – 1° piano

Health Hazards Associated with Devices in the MR Environment: Physical Laws, Principles and Effect Sizes

For clinical investigators, radiologists, medical physicists and engineers, radiographers interested in MRI in the presence of devices.

27 March 2024, 17:00-18:30, Aula Coppo, Ospedale Civile Baggiovara

EEG-correlated fMRI: Principles, Methods & Illustration in Epilepsy

Mapping of epileptic activity using concurrent EEG and functional MRI data acquisitions. Emphasis on scalp EEG-fMRI

For clinicians and neuroscientists interested in the mapping of spontaneous brain activity, and Neuroscience MSc/PhD level.

5 April 2024, 15:00-16:00, Aula H1.1 (Fisiologia) – 1° piano

Advances in Human Simultaneous fMRI & Electrophysiology

For neuroimaging/neurophysiology investigators and medical physicists and engineers interested in MRI in the presence of electrophysiological recording equipment.

19 April 2024, 15:00-16:30, Aula H1.1 (Fisiologia) – 1° piano

Functional MRI in Epilepsy Research: Mapping Interictal and Ictal Epileptic Events.

Overview of the methods and results of investigations on localizing and characterizing epileptic activity using resting-state fMRI combined with EEG (scalp and intra-cranial) and video recordings.

For Epilepsy researcher-level.

23 April 2024, 15:00-16:30, Aula H1.1 (Fisiologia) – 1° piano

Improving the Interpretation of fMRI: Brain Atlasing Based on Resting-state Networks

New developments in the characterization of fMRI maps using quantitative techniques based on brain atlasing and their illustration in the field of epilepsy.

For neuroscience investigators.

30 April 2024, 15:00-16:00, Aula H1.1 (Fisiologia) – 1° piano

Intra-cranial EEG-fMRI and its Application to the Study of Spontaneous Brain Activity: Mapping and Networks.

Overview of the technical challenges and opportunities offered by this data.

For clinicians and neuroscientists interested in the mapping of spontaneous brain activity, and Neuroscience MSc/PhD level.

Louis Lemieux is Professor of Physics Applied to Medicine at UCL Queen Square Institute of Neurology, London. During his career he was involved in some of the pioneering work in the field of multi-modal imaging applied to epilepsy, in particular all technical and application aspects of concurrent fMRI and EEG (scalp and intracranial). His high-level scientific contributions are in Neuroscience, Epilepsy, Electroencephalography, EEG-fMRI and Magnetic resonance imaging.

Per informazioni:

stefano.meletti@unimore.it

annaelisabetta.vaudano@unimore.it