

Formation "Analyse de signaux neurophysiologiques Brainstorm-MarsPower": 24 Février 2017

One-day training session, oriented on research SEEG.

General information

Where	LPL, Aix-en-Provence, Room A-103
When	Friday, February 24: 9:00-18:00
Instructors	Anne-Sophie Dubarry (LPL, CNRS, Aix-Marseille Université)
Audience	Users interested in preprocessing intracranial recordings using Brainstorm. Some experience in processing SEEG recordings is recommended. Teaching in French. Number of participants: 12
Fees	Free. Meals and coffee are not provided, a cafeteria is available on site.

Requirements

The participants are required to **bring a laptop** (an external mouse will add to your comfort). In order to make the session as efficient as possible, we ask all the attendees to **download, install and test** the software and sample dataset on their laptops prior to the workshop.

Program

9:00-9:30	Onsite assistance in installing the material for the training session
9:30-10:30	Lecture: Training overview Software structure, typical data workflow
10:30-10:45	Practice (Brainstorm) Database explorer, Review of continuous EEG recordings Montage editor and management of event markers, Frequency filters
10:45-11:00	<i>Coffee break</i>
11:00-12:30	Practice (Brainstorm) Bad channels management, Artifact detection Averaging, exploring the evoked response
12:30-13:30	<i>Lunch</i>
13:30-14:30	Lecture: Time Frequency
14:30-15:30	Practice (MarsPower) (If time allows) Time-Frequency decomposition into Brainstorm Database explorer Time-Frequency extraction
15:30-16:00	<i>Coffee break</i>
16:00-17:00	Practice (MarsPower) Statistics Group analysis
17:00-18:00	Analyze your own data