In vivo-EEG Post-doctoral position in Modena (Italy)

Description

Project:
This is a unique opportunity for a highly qualified and strongly motivated candidate at the post-doc level, interested in performing close-loop experiments in epilepsy field in view of innovative therapeutic approaches. The candidate will work within H2020 HERMES project (www.hermes-fet.eu), funded by EC, and will have possibility to interact with partners at international level.
Specifically, the job will involve the implantation of epidural and depth electrodes and of probes to record EEG from pilocarpine model of temporal lobe epilepsy. Data collected will be used to train machine learning and the resulting algorithm will be used for close-loop experiments to silence epileptic seizures.

Eligibility:
Applicants are expected to have a Ph.D. in neuroscience or related fields and must have strong experience in electrophysiology recordings and analysis of EEG traces obtained from animal models of epilepsy. Knowledge on the use of MatLab, previous experience in model of temporal lobe epilepsy, stereotaxic surgery and electrode fabrication are appreciated. We are looking for highly motivated, collaborative and reliable candidates, able to work in team, under pressure and with timely deadlines. Candidates with good oral communication skills in English will be highly appreciated.

Please send a full CV, a motivation letter including a brief statement of career goals, and at least 2 letters of reference to Giulia Curia (gcuria@unimore.it). Estimated starting date is March 2021, with funding for 1-year renewable.

Job Information

Institution: University of Modena and Reggio Emilia
Department: Department of Biomedical, Metabolic and Neural Sciences

Contact Information

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