

POST DOCTORAL POSITION IN NEUROSCIENCES

A post-doctoral position is available for a full-time, 2-year fixed term, funded by the Neurodis Foundation on the project "*The neural basis of social pain: an iEEG study*". The study will be conducted at the Neuropsychology of Action group, located at the Center for Cognitive Neuroscience, CNRS UMR5229 in Lyon (France)

Job description:

The research conducted at the Neuropsychology of Action group (coordinator: A. Sirigu) concerns three main topics: 1) movement representation in normal controls and in patients with parietal cortex or premotor lesions; 2) movement plasticity after peripheral lesion and hand allograft; 3) the contribution of cognitive and emotional process to decision making and the role of the frontal areas in regulating these behaviours.

Both behavioral and neurophysiological techniques (fMRI, TMS) are used on normal subjects, as well as patients with brain damage or peripheral injury. Intracranial EEG data are recorded in epilepsy patients candidate to Neurosurgical treatment in the Epilepsy department of the Neurological Hospital of Lyon (directed by Prof. François Mauguière). Our aim is to understand the functions of different brain regions and also to identify new rehabilitation techniques for these pathologies.

The successful candidate will have access to the research facilities and available equipment in the laboratory and on the technological platforms. The candidate will interact with clinicians and researchers on the different topics and should also be able to run research projects independently. In particular in collaboration with researchers in the group, he/she will be responsible for design, procedure and analyses of the project aimed to investigate the neural basis of social pain by using intracranial EEG.

Requirements:

The candidate should have a PhD (completed **before** sending his/her application) and a scientific expertise in cognitive neuroscience. He/she should have general programming skills and should be able to organize experimental procedures in Cognitive Neuroscience (especially fMRI and TMS setup protocols). Previous experience in EEG recording and analysis will be an important asset.

Good command of written and oral English is required.

Expected start date: November 1st, 2009

Gross income: 30,000 €

Candidates should send CV (with list of representative publications) and the name of 3 referees by mail to: contact@fondation-neurodis.org

Application deadline in PDF format: September 20, 2009, shortly followed by an interview organized by the NEURODIS Foundation in October (Teleconference will be possible).

For further technical or scientific information: sirigu@isc.cnrs.fr

For further administrative or financial information: contact@fondation-neurodis.org