

Job description

The Cognitive Neuroscience Unit, IRCCS Centro San Giovanni di Dio Fatebenefratelli, led by Prof. Carlo Miniussi is seeking to recruit a post-doctoral research fellow to work on a project of TMS-EEG coregistration. This is part of projects funded by BIAL foundation and FISM foundation, in collaboration with the University of Genova, ASST Spedali Civili di Brescia and the Center for Mind/Brain Sciences CIMeC of the University of Trento. The research focus of these projects is the effects of non-invasive brain stimulation (TMS and tES) on cortical networks of the human brain during motor and perceptual tasks and their contributions to learning.

The post is available from May 2017 and is funded for one year in the first instance, with the possibility of extension for further 2 years.

Key Requirements

- We are seeking for aspiring individuals with substantial experience in TMS-EEG or EEG research and strong computational abilities.
- The applicants should also be interested in studying cortical networks and their disorders.
- Successful candidates should have a background and PhD degree in a neuroscience-related field, broadly specified, and skills for working with complex empirical data and human subjects.
- Applicants should have experience with conducting experimental research, hands-on knowledge in EEG method, and documented skills in at least one programming language (preferably Matlab).
- Good command of the English language (written and oral), as well as skills for teamwork in a multidisciplinary research group, are required.
- Experience with advanced EEG signal processing, EEG source localization, connectivity analyses and a strong publication record are an advantage.

What we offer

- Gross salary: 25.000-28.000 euro per annum
- Excellent working environment
- Opportunity to work in a motivated, skilled, inspired and supportive group
- A chance to work in Italy – one of the most beautiful countries in the world

To apply, please send the following items, as ONE PDF FILE and via email to Dr. Anna Fertoni (anna.fertonani@cognitiveneuroscience.it) preferably by March 31st 2017. Later applications will be considered until the position is filled.

- A letter of intent including a brief description of your past and current research interests
- Curriculum vitae including the list of your publication and degrees
- Names and contact information of 2 referees.

For further information please contact

Anna Fertoni
IRCCS Centro San Giovanni di Dio Fatebenefratelli
anna.fertonani@cognitiveneuroscience.it

About the employer

The IRCCS San Giovanni di Dio Fatebenefratelli is operating since 120 years and has been appointed and funded as national centre of excellence in research and care by the Italian Ministry of Health since 1996. More than 4500 patients with Alzheimer's Dementia or associated disorders and about 1700 patients with psychiatric diseases are treated each year. The research division, besides the Cognitive Neuroscience Section, includes the laboratories of Genetics, Neuropsychopharmacology, Neurobiology, Proteomic, Neuroimaging, Ethic and Epidemiology and employs about fifty professional researchers.

The Cognitive Neuroscience Unit is provided with several state-of-the-art devices necessary for the application of brain stimulation techniques (transcranial magnetic stimulation: TMS, rTMS, and transcranial electrical stimulation: tDCS, tACS and tRNS) and for the recording and the analysis of electrophysiological signals (EEG, EMG) as well as neuropsychological testing. The simultaneous co-registration of electroencephalography and TMS application is also available, field where we have been pioneers in the national research.