



Centro de Investigación
Mente, Cerebro y
Comportamiento

Ph.D. and Postdoc positions in Mallorca

03/09/2014

One PhD and one Postdoctoral research positions are available at the Department of Psychology of the University of Balearic Islands (Mallorca) to join an ongoing project on the cognitive control of task-switching aimed to assess functional and effective connectivity (e.g., Dynamic Causal Modeling) in M/EEG data sets from healthy controls and brain injured patients.

The project aims to develop state-of-the-art neuropsychological tools for a more valid and cost-effective evaluation of dysexecutive symptoms in elderly adults and patients with frontal lobe lesions (cf., Barceló & Knight, *Cereb. Cortex*, 2007; Nyhus & Barceló, *Brain & Cognition*, 2009; Adrover & Barceló, *Cortex* 2010).



Successful pre/postdoctoral candidates will hold a MSc/PhD in Psychology, Biology, Cognitive Neuroscience, Physics, or related fields, and will play a key role in designing, conducting, analyzing and reporting M/EEG studies, with a focus on event-related potentials and oscillatory neural synchrony. Candidates will be fluent in English (knowledge of Spanish is not required), and will prove good interpersonal and communication skills, including writing to a high standard. Both positions are funded by the Spanish Government (MINECO's grant PSI2013-44760-R), as well as other research agencies.

Requirements for the PhD student position: 1) EU citizenship; 2) a Master degree and excellent academic marks; 3) Programming skills (eg., Matlab will be a plus); and 4) Demonstrated ability and high motivation to conduct high-quality research publishable in quality international peer-reviewed journals.

Requirements for the Postdoc position: 1) Strong background publishing EEG and/or

MEG studies; 2) Advanced programming skills (eg., Matlab, C, Python); 3) Excellent command of EEG/MEG data analysis software (EEGLAB, SPM8, Brainstorm, etc); and 4) demonstrate creative and independent work.

Applicants must submit an updated CV in pdf format, a letter of motivation, and the names and emails of two referees to f.barcelo@uib.es. The PhD studentship is for 3 years, and the postdoc position is for one year, with the possibility of renewal. Starting date October 1st 2014, or until the positions are filled. Informal inquiries are welcomed. For more information visit: www.mcst.es/#job, or LINK: www.neuropsicologiaclinica.es -> <http://www.neuropsicologiaclinica.es>.