

MOTIVATION LETTER

Dr. Francisco Barceló

Research Group in Clinical Neuropsychology
Department of Psychology
University of Illes Balears

Dear Dr. Francisco Barceló

I am writing to express my interest in the postdoctoral position I saw advertised in the Research Group in Clinical Neuropsychology, University of Illes Balears.

I am currently a PhD student in *Cognitive Neuroscience Research Group – Brainlab* under the supervision of Prof. Dr. Carles Escera. I have been working in the Barcelona *Brainlab* for four years and I will soon defend my PhD dissertation (estimated defense date: October 2014) entitled: *Source localization of deviance detection and regularity encoding in the auditory brain*. Though I haven't obtained my PhD yet, I believe I meet the requirements to become a candidate for the research position that it is offered in your research laboratory. As a PhD student I have been involved in several EEG and MEG experiments. I have conducted few experiments as first authors, two of which are already published in high impact factor international journals. Thus, I have a good knowledge on experimental design, data acquisition, data analysis, and manuscript writing. Overall, my interests in cognitive neuroscience focus on human perceptual and attentional processes. Specifically, my current topic of interest is on the neuronal generators underlying auditory memory-trace formation and deviance detection. During my research, I have conducted several source-reconstruction analyses on auditory evoked data using a variety of techniques and analysis tools. I would like to emphasize that I specialized in the analysis of MEG data from healthy adults and I have conducted a collaboration study with the *Institute for Biomagnetism and Biosignalanalysis*, in Münster (Germany), under the supervision of Prof. Dr. Christo Pantev.

I am ready to take on the challenge of working on a different topic that is of great interest to me. I am willing to learn different methodological and conceptual approaches and I believe my previous methodological knowledge, and my experience on the auditory neuroscience field could be very useful to study the neural mechanisms underlying dysexecutive symptoms that are associated to ageing and frontal lobe lesions.

I have attached an updated copy of my CV detailing my qualifications and achievements for your perusal. I would be able to attend an online interview at any time.

I look forward to hearing from you soon.

Kindest regards

Marc Recasens (PhD candidate)
Cognitive Neuroscience Research Group
Department of Psychiatry and Clinical Psychobiology
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