



PhD position open Cognitive Neuroscience of Audition

The **Barcelona BrainLab (BBL)** [www.ub.edu/brainlab] invites applications for a three-four year PhD/research assistant position commencing early 2012 in the field of the Cognitive Neuroscience of Auditory Perception.

Principal Investigator: Prof. Dr. Carles Escera

Our project investigates how the auditory system encodes the acoustic regularity (repetition suppression) and what are the neural mechanisms of deviance/novelty detection, at all hierarchical levels and temporal scales of the auditory system.

We run EEG and MEG experiments, and analyze event-related brain potentials and magnetic fields, as well as oscillatory activity and synchronization. When necessary we also use fMRI in our experiments.

We are seeking for the most talented Master students or graduates in Psychology, Neurosciences, Cognitive Sciences, Computer Sciences, Medicine, Biology, Engineering or Physics. They will be invited to enter into the PhD Program in Biomedicine (Area of Neurosciences) of University of Barcelona [www.ub.edu/doctorat_biomedicina/eng/index.htm].

We request:

- good command of English (which is the working language of the lab)
- highest academic marks
- knowledge and interest in the cognitive neuroscience of audition and music
- computer skills (Matlab programming)
- good interpersonal and communication skills
- strong interest in empirical research and career plans in a scientific context
- willingness to work hard and travelling worldwide as part of the training

We offer:

- integration on a multidisciplinary and multicultural group with people from six different countries (and three continents)
- excellent supervision
- full time dedication to research
- a studentship according to the Spanish official standards (FI, FPU, FPI) circa 15000 €/yr

Applicants should email 1) a letter of motivation, 2) CV, 3) a copy of the academic marks, and 4) the name and contact details of two referees to Ms. Marta Turró at brainlab@ub.edu.

Applications will be processed until the position is filled [post data: December 14th, 2011]

The BBL belongs to **PANS** [<http://www.eranet-neuron-pans.eu/>], **Brainglot** [<http://brainglot.upf.edu/>] and the **Institute for Brain, Cognition and Behavior (IR3C)** of University of Barcelona [www.IR3C.ub.edu]