



Postdoctoral position open Cognitive Neuroscience of Audition

The *Barcelona BrainLab (BBL)* [www.ub.edu/brainlab] invites applications for a 1.5 years postdoctoral 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. In particular we are currently interested in the relationships between cortical and subcortical [brainstem] auditory system mechanisms.

We run EEG and MEG experiments, and analyze event-related brain potentials and magnetic fields, as well as oscillatory activity and synchronization. Eventually, we also use fMRI in our experiments. The working language of the lab is English.

The successful candidate will have a PhD in Neurosciences (Cognitive, Computational, general) and:

- up-to-date practical and theoretical knowledge on EEG and MEG or fMRI
- extensive knowledge of experimental procedures and statistical methods in cognitive neuroscience
- excellent knowledge of Matlab programming and experimental control software (i.e., Presentation, eprime, etc.)
- large experience in writing scientific papers
- good interpersonal and communication skills

We offer:

- integration on a multidisciplinary and multicultural group with people from six different countries (and three continents)
- excellent opportunities for independent research
- full time dedication to research
- a salary according to the Spanish official standards (Juan de la Cierva, Ramón y Cajal) ranging, according to experience from 24000 to 30000 €/yr.

Applicants should email 1) a letter of motivation, 2) CV, and 3) 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]