CONSOLIDER-INGENIO 2010 PROJECT
“Bilingualism and Cognitive Neuroscience” – (BRAINGLOT)

Group: Cognitive Neuroscience Research Group (Brainlab)

1. Position

**Post-doctoral position in the cognitive neuroscience of involuntary attention**

Applications are invited for a post-doctoral research position in the Cognitive Neuroscience Research Group (www.ub.edu/brainlab) at the Psychiatry and Clinical Psychobiology Department (Faculty of Psychology) of University of Barcelona (Spain). The post is part of BRAINGLOT, a Spanish Research Network on Bilingualism and Cognitive Neuroscience (Consolider-Ingenio 2010 Scheme, Spanish Ministry of Science and Education).

2. Project

The project brings together the efforts of six research groups integrating researchers from different scientific disciplines with the common purpose of addressing the phenomenon of bilingualism. The project is conceived with an open and multidisciplinary vocation, as one of its major anchor points places the stress on the mutual influence (both in terms of cognitive and neural processes) between bilingualism and other functions such as auditory perception, multisensory integration, and the executive control attention. The position is to elucidate the temporal dynamics of neural networks of involuntary attention and their top-down modulation by the “cognitive set”. The requirements of the position include 1) designing, running, and analyzing data from EEG and fMRI experiments, and 2) developing, implementing, and testing methods for combining data obtained with these two methodologies in integrated approaches.

3. Candidate Profile

Candidates must have a completed PhD and strong background in cognitive neuroscience, general neuroscience, or cognitive psychology. Demonstrated expertise in analysis of neuroimaging data, specifically EEG/MEG and/or fMRI, as well basic programming skills (e.g., Presentation, E-prime, SPM or related software) are essential. Experience with EEG/MEG inverse solutions, connectivity analysis, and MATLAB programming are of added value.

4. Conditions

- **Type of contract:** The position is funded for three years
- **Starting date:** January-February 2008
- **Salary:** Commensurate with experience.

5. How to apply

Applicants should send curriculum vitae, a one-page motivation letter, and copy of selected papers and the names of two persons that can provide references to Carles Escera (cescera@ub.edu). Please, use this reference in the email subject: Application POS-BG-ATN.