

Post-doctoral position in Cognitive Neuroscience

Applications are invited for a full-time post-doctoral research position in the Speech Acquisition and Perception Group (SAP), led by Núria Sebastián Gallés, at the Pompeu Fabra University (Barcelona). The position is covered by a European Research Council Advanced grant on Mechanisms of cognitive control and language learning (project number 323961).

Project

The project will explore the relationship between mechanisms of attention and cognitive control, and language acquisition, approaching the issue through two different strategies. First, we will analyse how possessing better mechanisms of attention and cognitive control contributes to tuning the language processing system to the environmental language(s). The second approach takes the opposite perspective, exploring how specific language exposure (namely, bilingualism) sculpts mechanisms of cognitive control. The project will focus on the way the phoneme inventory and the early vocabulary of the native language are put into place.

Candidate requirements

We seek candidates working in Cognitive Neuroscience, preferably Developmental Cognitive Neuroscience, with strong programming skills (advanced scientific programming in Matlab and Python) and experience in EEG - experimentation and analysis (Fourier, wavelet time-frequency analysis for power spectrum, functional and effective connectivity analyses). The successful candidate will develop a vigorous research program that contributes to, and complements, ongoing research studies. The candidate will have access to state-of-the-art facilities.

Conditions

We offer onsite laboratory facilities (<http://lnucc.upf.edu>) and a highly interdisciplinary and active research environment at the Center for Brain and Cognition (with four ongoing ERC grants). The position will be funded and renewable on yearly basis for up to three years.

Starting date: January 2015

Gross Salary: up to 33,000 Eur/Year

How to apply

Applications should include:

- a C.V. including a list of publications
- the names of two referees who would willing to write letters of recommendation
- a short cover letter describing research interests

Information about the research group: www.sap.upf.edu and about the research center: <http://cbc.upf.edu/>

For informal enquiries about the position and applications, please contact u.control@upf.edu. Applications will be accepted until the position is filled.

Please, mention that you are applying to the **POSTDOCTORAL position** in the email subject