POSTDOCTORAL CANDIDATE INTERESTED IN APPLYING FOR A MSCA POSTDOCTORAL FELLOWSHIP IN
Developmental Cognitive Neuroscience

Are you a postdoctoral researcher thinking about your next career move? The Marie Skłodowska-Curie Postdoctoral Fellowships (before called Individual Fellowships) are a great option if you are an experienced researcher looking to give your career a boost by working abroad.

Institute of Neurosciences of the University of Barcelona allows you to work in a first class research environment while benefitting from an attractive salary to cover living, travel and family costs.

Group and project information

Applicants will be integrated into the Brainlab-Cognitive Neuroscience Research Group (PI: Prof. Carles Escera)

Our research group is collaborating with the Sant Joan de Déu Children’s Hospital in Barcelona in establishing the neural mechanisms of the early encoding of speech sounds. We capitalize on the frequency-following response (FFR), a scalp correlate of the neural phase-locking to speech stimulus characteristics in the auditory hierarchy (Gorina-Careta et al., 2021) to characterize the innate abilities of human neonates to extract meaningful information from running speech (Ribas-Prats et al., 2019; Arenillas-Alcón et al., 2021), with the aim of establishing early biomarkers of neurocognitive development. At present, we are interested in the developmental trajectory of the FFR vis-à-vis the maturation of the auditory system, as revealed with diffusion and volumetric MRI. We are also exploring clinical conditions challenging fetal development that may result in hazards for the timely neurodevelopment of the infant.

Recent publications:


Functions and tasks

Neonatal FFR and MRI has already been collected and we have started follow-ups at the age of 6 months (FFR, MRI). A third time point will involve FFR and neurobehavioral assessment through standardized measures. The candidate will be responsible of MRI data acquisition, curation and analysis (both diffusion and volumetric) and in relating anatomical with functional (FFR) data. Data reporting in the form of internal documents and presentations is expected, as well as drafting of manuscripts for publications and dissemination in different meetings and congresses. Mentoring of undergraduate and graduate students is possible.

Requirements for candidates:

Skills/Qualifications:
* PhD or equivalent (Recognized Researcher R2)
* Neuroimaging data analysis

Languages:
* English: Excellent

Specific Requirements:
* Candidates must fulfilled eligibility MSCA criteria

Working conditions:
- Full time temporary contract
- Gross salary of about € 50,000
- Duration: ranging from 12 to 36 months depending on the typology of the fellow
- Starting date: flexible from beginning of May 2022

Support for candidates

The Institute of Neurosciences and the International Research Projects Office at the University of Barcelona could offer you:
- Personalized support on the application
- Personalized mentoring if pre-selected (valued in 4000 euros)
- Support on other national calls such as Beatriu de Pinós and Junior Leader

How to apply

Please submit your CV, and a copy of your most three relevant publications to: Prof. Carles Escera (cescera@ub.edu); Reference: MSCA PF Candidate

Deadline: 22 June 2021