

## Company Description

The Basque Center on Cognition, Brain and Language is a world class interdisciplinary research center for the study of cognition, brain and language jointly founded by Innobasque, Ikerbasque, UPV-EHU and the Government of Gipuzkoa. Our research activity aims to unravel the neurocognitive mechanisms involved in the acquisition, comprehension and production of language, with special emphasis on bilingualism and multilingualism.

## Information

 **Deadline:** 2022-03-13  
 **Category:** Business  
 **Province:** Gipuzkoa

 **Country:** Basque Country  
 **City:** Donostia-San Sebastián

## Company

BCBL



## Main functions, requisites & benefits

### Main functions

The Basque Center on Cognition Brain and Language – BCBL- (Donostia-San Sebastián, Basque Country, Spain) is offering a 3-month part-time Research Assistant position in Brain Rhythms and Cognition group. In our group, we use time-resolved neuroimaging techniques (MEG and EEG) to understand the computational dynamics and architecture of cognitive processing such as language, attention and cognitive control. Job description: The candidate tasks will be: 1) Coding experiments in Matlab and Python 2) Electroencephalography data analysis Tasks 1 and 2 will be executed under the direct supervision of Dr. Manuela Ruzzoli, who will provide the theoretical and technical background to perform the tasks. This is an ideal opportunity for who loves coding and wants to learn about how human cognition works, in the vibrant environment at the BCBL. If those tasks are completely new to you, but you know Matlab and Python, please approach us, we will explain to you what to do and you will easily learn. After an initial introduction to the job, the tasks can be easily performed remotely. PI and research group: The candidate will form part of the Brain Rhythms and Cognition group (<https://www.bcb.l.eu/en/research/research-groups/brain-rhythms-cognition>) under the direct supervision of Dr. Manuela Ruzzoli

### Requisites

Required skills: Technical background in Engineering, Physics, Signal processing, Biophysics, BioTechnologies, Cognitive Sciences. Holding a university title is non-mandatory (undergraduates students are welcome); Coding abilities with Matlab (Psychtoolbox and Fieldtrip) and/or PsychoPy The candidate should hold a NIE or NIF. Desirable skills: Familiarity with experiments in cognitive psychology or electrophysiology

### Benefits

Salary: 7.500€ gross/year; Entitlements and other benefits: <https://www.bcb.l.eu/en/join-us/what-is-like-to-work-bcbl> Training opportunities and Career development plan: Researchers at any stage of their career, regardless of their contractual situation, are given an opportunity for professional development and for improving their employability through access to a Personal Career Development Plan, which includes: (1) Training through individually personalized research projects under senior supervision (2) Exchanging knowledge with the scientific community and the general public (3) Network-wide training in theory and methods (4) Complementary training courses (5) Involvement in proposal writing, task coordination (6) Development of skills for the organization of training and scientific events