




### Company Description

BCAM is the research center on applied mathematics created with the support of the Basque Government and the University of the Basque Country, which aims to strengthen the Basque science and technology system, by performing interdisciplinary research in the frontiers of mathematics, talented scientists' training and attraction, so the excellence of our results are recognized by the Society.

### Information

 Deadline: 2020-11-30  
 Category: Business  
 Province: Bizkaia

 Country: Basque Country  
 City: Bilbao

### Company

BCAM



### Main functions, requisites & benefits

#### Main functions

The researcher will work in the MCEN team, a vibrant international group aiming to explain how the brain processes and stores information, how these are disrupted under pathological conditions and develop novel technologies to treat neurodegenerative diseases. Main activities: To perform modelling and data analysis on biological data. To interact with experimentalists and mathematicians alike.

#### Requisites

Requirements: Promising young researchers. Applicants must have their PhD completed before the contract starts. PhD degree in mathematics or related area. Skills and track-record: Ability to effectively communicate and present research ideas to researchers with different background. Ability to clearly present and publish research outcomes in spoken (talks) and written (papers) form. High level of spoken and written English. Good communication and interpersonal skills. Solid programming skills, in particular programming applied to Mathematical problems. Scientific languages such as Python and symbolic computing environments like Maple. Scientific Profile: Experience on state-of-the-art data-analytic techniques, in particular Geometric and Topological Data Analysis. Good familiarity with time series analysis and data analysis is required. Working knowledge in Mathematical Neuroscience, Network theory, Stochastic systems including Mathematical modelling via differential equations.

