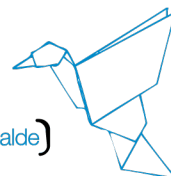


Postdoctoral Fellowship in Topological, Geometrical and AI methods in Neuroscience

Job Offer	
Topics:	Topological and Geometrical data analysis, Artificial Intelligence, High-performance computing, Big-data science, Information theory, Neuroscience
PI in charge:	Serafim Rodrigues
Salary and conditions:	<p>The gross annual salary of the Fellowship will be 28.000€ - 34.000€ according to experience.</p> <p>It will then be on your own responsibility to make your yearly income declaration at the Bizkaia Treasury Agency. Additionally, we offer a moving allowance up to 2.000€.</p> <p>Should the researcher have a family at the time of recruitment:</p> <ol style="list-style-type: none"> 2.000€ gross in a single payment will be offered (you must be married-official register or with children and the certificate to prove it must be sent). 1.200€ gross per year/per child (up to 2 children) will be offered (the certificate to prove it must be sent).
Contract and offer:	2 years
Deadline:	April 10th, 2023 14:00 CET
How to apply:	Applications must be submitted on-line at: http://www.bcamath.org/en/research/job

Scientific Profile Requested

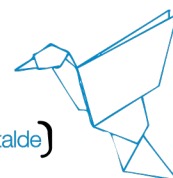
Requirements:	<ul style="list-style-type: none"> Promising young researchers.
---------------	--



	<ul style="list-style-type: none"> Applicants must have their PhD completed before the contract starts.
Skills and track-record:	<ul style="list-style-type: none"> Good interpersonal skills. A proven track record in quality research, as evidenced by research publications in top scientific journals and conferences. Demonstrated ability to work independently and as part of a collaborative research team. Ability to present and publish research outcomes in spoken (talks) and written (papers) form. Ability to effectively communicate and present research ideas to researchers and stakeholders with different backgrounds. Fluency in spoken and written English.
Scientific Profile:	<p>The preferred candidate will have:</p> <ul style="list-style-type: none"> Strong background in mathematics or computational mathematics or Mathematical and Computational Neuroscience Strong background in Topological and Geometrical data analysis, notions of Artificial Intelligence/Machine learning and notions of high-performance computing. Desirable: Information theory, Bayesian inference, Information geometry Desirable: Experience with high-dimensional multi-modal data, Neuroscience, multidisciplinary research. Good programming skills in R, Python and/or C/C++. Interest and disposition to work in interdisciplinary groups.

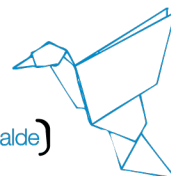
Application and Selection Process

Formal Requirements:	<p>The selected candidate must have applied before the application deadline online at the webpage http://www.bcamath.org/en/research/job</p> <p>The candidates that do not fulfil the mandatory requirements will not be evaluated with respect to their scientific profile. Additional documents could be requested during the evaluation process so as to check this fulfilment.</p>
----------------------	---



Application:	Required documents: <ul style="list-style-type: none">▪ CV▪ Letter of interest▪ 2 recommendation letters▪ Statement of past and proposed future research (2-3 pages)
Evaluation:	Based on the provided application documents of each candidate, the evaluation committee will evaluate qualitatively: the adaption of the previous training and career to the profile offered, the recommendation letters, the main results achieved (papers, proceedings, etc.), the statement of past and proposed future research and other merits; taking in account the alignment of these items to the topic offered.

Incorporation:	<i>As soon as possible</i>
----------------	----------------------------





**IC2023_02 BCAM
International Call**

