

Postdoctoral Fellow on Brain Dynamics

Job Offer

Topics:

The Basque Center for Applied Mathematics- BCAM, is launching one Postdoctoral position of one year, to Developing theoretical and computational models for brain dynamics, on Mathematical Neuroscience, Computer Science and Topological Field Theory.

We offer a Postdoctoral position to work on Brain Dynamics, under the supervision of Ikerbasque Prof. Serafim Rodrigues.

The project will incorporate several theoretical knowledge in Algebraic Topology, Topological Field Theory, Quantum theory, Computer science, Contextual Emergence and will develop novel mathematical framework to explain observables of brain dynamics.

The position will be for one year at the Basque Center of Applied Mathematics, funded by BERC, with the possibility of renewal for one more year based on funding availability and research progress of the selected candidate.

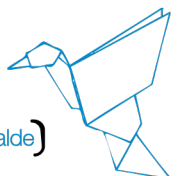
We are looking for a promising researcher with a background in working in Neuroscience. a proven track record of publications, and Ph.D. in Computer Science, Mathematics, Physics, or related fields, and at least one year of postdoctoral experience

The candidate will also have the opportunity to interact and work with other researchers, and will be part of a research group with a good balance of younger and more established researchers with a vast collective range of interests in Neuroscience and related areas, and counts with a large network of collaborators spread across different countries.

If you are a passionate about Mathematics, and Neuroscience and eager to embark on a research career at BCAM, this opportunity is for you. Apply now and become part of our dedicated team at BCAM.

PI in charge:

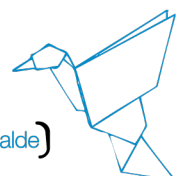
Serafim Rodrigues



**IC2024_09_02 BCAM
International Call**

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| Salary and conditions: | <p>The gross annual salary of the Fellowship will be 29.994 - 36.420€ according to experience.</p> <p>It will then be on your own responsibility to make your yearly income declaration at the Bizkaia Treasury Agency.</p> <p>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"> 1. 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). 2. 1.200€ gross per year/per child (up to 2 children) will be offered (the certificate to prove it must be sent). <p><i>Free access to the Public Health System in Spain is provided to all employees.</i></p> |
| Contract and offer: | 1 year |
| Deadline: | 30/11/2024 14:00 CET |
| How to apply: | Applications must be submitted on-line at: https://joboffers.bcamath.org/ |

| Scientific Profile Requested | |
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| Requirements: | <ul style="list-style-type: none"> ● Ph.D. Degree in Computer Science, Mathematics, Physics, or related fields. |
| Skills and track-record: | <ul style="list-style-type: none"> ● At least one year of postdoctoral experience ● Good interpersonal skills ● Fluency in spoken and written English ● Ability to effectively communicate and present research ideas to researchers and stakeholders with different backgrounds. ● Demonstrated ability to work independently and creatively as part of a collaborative research team. |



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| Scientific Profile: | <p>The preferred candidate will have expertise:</p> <ul style="list-style-type: none"> • Topological Field Theory. • Theoretical foundations of Quantum physics. • Theoretical foundations of Computer Science. • Working knowledge in Neuroscience. |
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| Application and Selection Process | |
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| Formal Requirements: | <p>The selected candidate must have applied before the application deadline online at the webpage: https://joboffers.bcamath.org/</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: | <p>Required documents:</p> <ul style="list-style-type: none"> ▪ CV ▪ Letter of interest ▪ 2 recommendation letters ▪ Statement of past and proposed future research (2-3 pages) |
| Evaluation: | <p>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.</p> |

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| Incorporation: | <i>01/01/2025</i> |
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