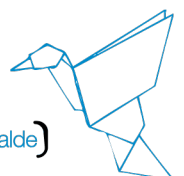


Postdoctoral Fellowship in Quantum Neuroscience

Job Offer	
Topics:	In the framework of the BCAM Severo Ochoa Joint Postdoctoral Fellowship Program, the research lines: <ul style="list-style-type: none"> - The Quantum Mechanics group (Math. Phys.) - Mathematical, Computational and Experimental Neuroscience offers this position in the study of quantum effects on nanoscale biological systems. Specifically, the position will focus on the study of electrical conduction in peptides that control ion channels in neurons.
PIs in charge:	Jean-Bernard Bru and Serafim Rodrigues
Salary and conditions:	The gross annual salary of the Postdoctoral Fellowship will be 28,000 – 32,000€. It will then be on your own responsibility to make your yearly income declaration at the Bizkaia Treasury Agency. There is a moving allowance for those researchers that come from a research institution outside the Basque Country up to EUR 2.000 gross. <i>Free access to the Public Health System in Spain is provided to all employees.</i>
No Positions offered:	#1
Contract and offer:	1 year
Deadline:	7th January 2021, 14:00 CET (UTC+1) 21st January 2021, 14:00 CET (UTC+1)
How to apply:	Applications must be submitted on-line at: http://www.bcamath.org/en/research/job

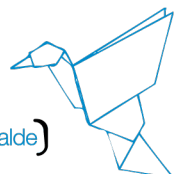
Scientific Profile Requested	
Requirements:	<ul style="list-style-type: none"> • Promising young researchers. • Applicants must have their PhD completed before the contract starts. • PhD degree in mathematics or theoretical physics/physical-chemistry/neurosciences.
Skills and track-record:	<ul style="list-style-type: none"> • Ability to effectively communicate and present research ideas to researchers with different



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	<p>background.</p> <ul style="list-style-type: none"> • 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. • Programming in LaTeX. • Ability to write research projects and obtain research/postdoctoral grants
Scientific Profile:	<p>The preferred candidate will have:</p> <ul style="list-style-type: none"> • Research experience in physics (or biophysics) and interest in biological systems and neurosciences. • Research experience and interest in rigorous studies of quantum systems. • Research experience and interest in experience in simulations of quantum systems. • Good knowledge of Quantum Mechanics • Good knowledge of mathematics (functional analysis). • Sufficient knowledge in programming (e.g. Python).

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.</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</p>



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alignment of these items to the topic offered.

Incorporation:	Before June 2021 <i>The BCAM postdoctoral contract will start when the selected candidate has finished the PhD, i.e., after dissertation defence.</i>
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