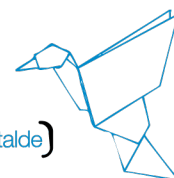


Postdoctoral Fellow on Infection Hypothesis of Alzheimer's Disease

Job Offer	
Topics:	Topological data analysis, Molecular Simulations and Machine learning applied to Infection Hypothesis of Alzheimer's Disease
PI in charge:	Serafim Rodrigues
Salary and conditions:	<p>The gross annual salary of the Fellowship will be 28.000 - 32.000€.</p> <p>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.</p> <p><i>Free access to the Public Health System in Spain is provided to all employees.</i></p>
No Positions offered:	#1
Contract and offer:	12 months contract, with a possibility of renewal for 12 additional months based on performance and available funds. (12+12)
Deadline:	31st January 2022 at 14:00 CET (UTC+1)
How to apply:	Applications must be submitted on-line at: http://www.bcamath.org/en/research/job

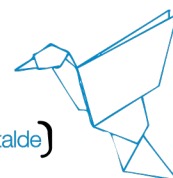
Scientific Profile Requested	
Requirements:	<ul style="list-style-type: none"> Promising young researchers. Applicants must have their PhD completed before the contract starts.
Skills and track-record:	<ul style="list-style-type: none"> Good interpersonal skills. A proven track record in quality research, 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.



	<ul style="list-style-type: none"> • 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, computational physics, computational quantum chemistry. • Strong background in Topological Data Analysis, Geometry and notions of Machine learning. • Track record on all-atom molecular dynamics and network theory. • Desirable if the candidate has knowledge of X-ray crystallography, FRET experiments and other receptor-ligand assays. • Good practice in using data from RCSB PDB database and working with protein complexes. • Good programming skills in 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:	<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</p>



	merits; taking in account the alignment of these items to the topic offered.
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Incorporation:	The position is supposed to start as soon as possible in 2022.
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