

Postdoctoral Fellowship in Biomathematics at the Mathematical and Theoretical Biology Group

Job Offer	
Topics:	Modelling of influenza-like illness (ILI) and severe acute respiratory infection (SARS): evaluation of public health intervention measures
PI in charge:	Dr. Maíra Aguiar (MTB Research Line Leader – Ikerbasque Research Fellow)
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.</p> <p>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>
Contract and offer:	1+1 year contract
Deadline:	March 29th 2021 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"> We seek an experienced postdoctoral fellow, highly motivated and skilled person, able to work effectively as part of a team. Applicants must have professional experience, with a relevant curriculum in the scientific area of biomathematics applied to infectious diseases. PhD degree in applied mathematics, mathematical biology, physics or related disciplines.
Skills and track-record:	<ul style="list-style-type: none"> Good communication and interpersonal skills. Fluent in English (verbal and written).

	<ul style="list-style-type: none"> • Ability to communicate and present research ideas to researchers with different background and general public. • Ability to clearly present and publish research outcomes in spoken (talks) and written (papers) form. • Programming in LaTeX. • Programming in C, MatLab or R • Experience in organizing scientific events (workshops, seminars, etc.).
Scientific Profile:	<p>The preferred candidate will have:</p> <ul style="list-style-type: none"> • research experience in modeling COVID-19 and other respiratory disease dynamics. • research interest in mathematical modeling of infectious diseases and population biology, dynamical systems theory, non-linear dynamics, stochastic processes, complex systems and computer programming. • Experience in macro-economics with strong background in statistics is advantageous. • Experience in interdisciplinary research, formulation and analysis of mathematical/computational models. • knowledge of bio-statistics and experience in advanced programming are essential.

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 letters of recommendation • statement of past and proposed future research (2-4 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</p>



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	statement of past and proposed future research and other merits; taking in account the alignment of these items to the topic offered.
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Incorporation:	Spring/Summer 2021 or as soon as possible thereafter. <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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