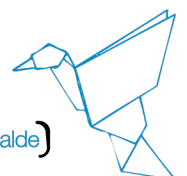


Postdoctoral Fellowship in Applied Statistics

Job Offer	
Topics:	Development of mathematical/statistical methods and computational tools for modelling the transmission dynamics of SARS-Cov-2 with a special focus on the prediction of health care resources. Our proposal rests on the combination of mechanistic models and Bayesian inference for uncertainty quantification and the development of efficient Markov Chain Monte Carlo (MCMC) samplers and numerical algorithms for the real-time use of the results. The selected candidate will work with members of the research lines of "Applied Statistics" and "Modelling and Simulation in Life and Material Sciences" of the BCAM.
PI in charge:	María Xosé Rodríguez Álvarez and Elena Akhmatskaya.
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>
No Positions offered:	#1
Contract and offer:	1 years
Deadline:	July 13th, 2020. 14:00 CET (UTC+1)
How to apply:	Applications must be submitted on-line at: http://www.bcamath.org/en/research/job

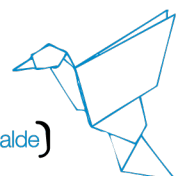
Scientific Profile Requested	
Requirements:	<ul style="list-style-type: none"> Promising young researchers. Applicants must have their PhD completed before the contract starts. PhD degree preferable in Mathematics, Statistics or related fields.
Skills and track-record:	<ul style="list-style-type: none"> Good interpersonal skills.



	<ul style="list-style-type: none"> • 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 Bayesian statistical modelling and inference. • Background in MCMC and Hamiltonian Monte Carlo is highly desirable. • Good programming skills in R, Python and/or C. • Research experience in applied Statistics in interdisciplinary applications.

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</p>



merits; taking in account the alignment of these items to the topic offered.

Incorporation:

September-October 2020 or as soon as possible thereafter.

The BCAM postdoctoral contract will start when the selected candidate has finished the PhD, i.e. after dissertation defence.

