




**Company
Description**

BCAM is the Research Center on Applied Mathematics created with the support of the Basque Government and the University of the Basque Country, which aims to strengthen the Basque science and technology system, by performing interdisciplinary research in the frontiers of mathematics, talented scientists' training and attraction, so the excellence of our results are recognized by the Society

Information

 Deadline: 2022-01-21
 Category: Business
 Province: Bizkaia

 Country: Basque Country
 City: Bilbao

Company

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**Main functions, requisites & benefits****Main functions**

In the framework of the IKUR Strategy, The "Applied Statistics" research line at the BCAM looks for candidates to work on Climate Change Data Science related projects including spatial downscaling, uncertainty quantification in climate data, climate projections and ensembles. The research will be carried out in collaboration with BC3 (Basque Center for Climate Change) and other institutions in the Basque Country. PI in charge: Dae-Jin Lee

Requisites

Applicants must have their PhD completed before the contract starts. PhD degree preferable in Mathematics, Statistics, Physics, Computer Science, Environmental Sciences or related fields 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. Ability to effectively communicate and present research ideas to researchers and stakeholders with different backgrounds. Fluency in spoken and written English. The preferred candidate will have: Strong background in mathematics/ probability/statistics and physics. Background in spatial modelling, spatio-temporal data modelling, spatial downscaling, environmental and climate data modelling, Uncertainty Quantification, Machine Learning (including Gaussian Processes, Neural Networks), Deep Learning architectures, Bayesian computing. Good programming skills in R, Python, Spark, and/or C/C++. Knowledge in High Performance Computing (HPC) systems, GIS tools. Interest and disposition to work in interdisciplinary groups.

Benefits

The gross annual salary of the 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. Free access to the Public Health System in Spain is provided to all employees.