POSTDOCTORAL FELLOWSHIP IN APPLIED STATISTICS IN MODELLING ENVIRONMENTAL EFFECTS ON HEALTH

Information
- Deadline: 2022-01-13
- Category: Business
- Province: Bizkaia
- Country: Basque Country
- City: Bilbao

Main functions, requisites & benefits

Main functions
In the framework of the BCAM “Mathematical Modelling Applied to Health” strategy, a series of projects in the field will be launched in different areas of Applied Mathematics. The “Applied Statistics” research line at the BCAM looks for candidates to work on projects related to statistical modelling of environmental factors related to respiratory (acute and chronic) health effects of air pollution PI in charge: Dae-Jin Lee

Requisites
Applicants must have their PhD completed before the contract starts. PhD degree preferable in Mathematics, Statistics, 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. Background in Spatial Modelling, spatio-temporal data, environmental data modelling. Bayesian statistical modelling and inference, semi-parametric regression, distributed lagged-effects models, GAMs. Good programming skills in R, Python and/or C/C++. Interest and disposition to work in interdisciplinary groups

Benefits
The gross annual salary of the Fellowship will be 28,000 - 32,000€. Contract and offer: 1 year + 1 year

Company
BCAM

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.