

BCAM Internship Position Announcement

The following BCAM Internship position is open at BCAM – Basque Center for Applied Mathematics, an interdisciplinary research center located in Bilbao, Basque Country – Spain. The interested applicants can apply via the following webpage: <http://www.bcamath.org/en/research/internships>. It is strongly recommended to apply at least 3 months before the expected starting date.

INTERNSHIP DATA	
Research topic title:	Comparative study of experimental designs for biodosimetry calibration curves
Research topic description:	Comparison of experimental designs in minimising the variance of the estimation of absorbed ionising radiation doses. To simulate calibration and test data from literature's classical dose-response curves by parametric and non- parametric simulations for concluding which experimental designs minimise the dose estimation variance in different overexposure scenarios.
Keywords:	Optimal experimental design, sampling, inverse regression
Required knowledge and skills:	Statistical modelling, programming in R.
Required language skills¹:	English, Spanish
Duration and dates:	3-4 months; between May and September 2018
Covered expenses:	To be negotiated
Application deadline:	until the position is filled

SUPERVISOR DATA	
Supervisor:	Manuel Higuera
Research line:	AS – Applied Statistics
Email:	mhiguera@bcamath.org

¹ Note that English is the official language at BCAM.

