CIC bioGUNE EXCELENCIA SEVERO OCHOA

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MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

Postdoc position available at the Integrative Genomics lab

The recently created Integrative Genomics lab led by Urko M. Marigorta at the CIC bioGUNE in Bilbao (Basque Country, Spain) seeks a motivated candidate to join as a postdoctoral researcher to work in the area of complex disease genomics.

About your position and the project

You will apply statistical and bioinformatics expertise to spearhead a project exploring the genetic architecture of complex d
isease, with a focus on the molecular mechanisms that drive heterogeneity in symptoms as well as on developing new predictors for longitudinal tracking of disease. This work involves dealing with large omic datasets generated in-house and/or gathered from large-scale public biobank databases. The specifics of the project should remain within the focus areas of the lab (www.cicbiogune.es/people/umartinez), but can be adapted according to your research goals and expertise (including experience in other disease domains). Financial support for this position is available for up to three years (32.3k€/year gross salary). Start date is negotiable, but the position is immediately available.

The requirements

This postdoctoral position suits best a researcher with a background in complex trait genetics, including experience with statistical genetics and genetic epidemiology, being acquainted with the analysis of large omic datasets. Candidates coming from a quantitative field (with a PhD in areas such as statistics or computer science) and that have a demonstrated interest in disease genomics are also welcomed to apply. Strong bioinformatic skills, with fluency in R, Python or similar languages, and an ability to work independently and an inquisitive mind are a must. Experience in immunology, and/or other areas in computational biology, are desirable but not essential.

The lab

Our lab addresses emerging questions in disease biology and tackles them using a combination of statistical genomics and medical transcriptomics. This integrative approach, based on analyses of multilayer –omic profiles from clinical cohorts, improves our understanding of complex disease etiology and permits to refine the estimation of disease risk. Our long-term goal is to gear this knowledge towards development of new precision medicine-based solutions that can improve disease and patient management.

How to

Motivated candidates should apply with a package that includes (i) a detailed CV, (ii) a 2-3 page cover letter discussing your research experience (including statistical and computational skills) and productivity, motivations, areas of interest and goals for your postdoc training, and (iii) contact details of three references, using our form and indicating 44622 as reference.