

## PhD position available at the Integrative Genomics lab

The newly created Integrative Genomics lab led by [Urko M. Marigorta](#) at the CIC bioGUNE in Bilbao (Basque Country, Spain) seeks a motivated Ph.D. candidate to work in the exciting area of complex trait and disease genomics.

### 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.

### The project

The successful candidate will join an exciting project aimed at characterizing the genetic programs that drive the risk of developing inflammatory bowel disease (IBD). In collaboration with gastroenterologists from several hospitals in Spain, we aim to decipher the molecular mechanisms implicated in the heterogeneity in disease symptoms and drug response among patients. To do so, we are combining –omic profiling of IBD patients with data gathered from large-scale biobank initiatives. The successful candidate will get to work in a highly collaborative environment at the interface of quantitative genetics, human immunology and genetic epidemiology, as well as developing a strong command of the analyses of large datasets and having a role in several emerging precision medicine initiatives at the local Basque level.

### Requirements of the ideal candidate

A Master's degree in biomedical research, bioinformatics, computer science or related disciplines is required. Individuals with a background in complex trait genomics and/or computational skills and proficiency in a scripting language are particularly encouraged to apply.

### How to

Motivated candidates eager to learn should apply by sending an application with (i) a detailed CV, including research experience (if any), (ii) a 1 or 2-page cover letter discussing the areas of most interest and description of statistical and computational skills, and (iii) the names and contact information of two or three references using our [form](#) and indicating [44621](#) as reference.

