

**Gastrointestinal Genetics Lab**

**Postdoctoral Researcher**

**Computational biologist with an interest in genetics and genomics**

[www.cicbiogune.es/people/mdamato](http://www.cicbiogune.es/people/mdamato) - <https://www.mdalabgenomics.com/>

The Gastrointestinal Genetics Lab directed by Prof Mauro D'Amato combines genomic, computational and pre-clinical expertise to elucidate the pathogenetic mechanisms predisposing to gastrointestinal (GI) disease. Taking advantage of a large network of international collaboration (>60 research groups and institutions across EU and USA), the ultimate goal is a translational application of research findings for therapeutic precision in gastroenterology. Most recent publications from the group include papers in *Nat Rev Gastroenterol Hepatol*, *Nature Genetics*, *Cell*, *Cell Genomics*, *Gut*, *Gastroenterology* and other top ranking journals.

We are seeking a computational biologist to lead research focused on the genetic causes of irritable bowel syndrome and related conditions/symptoms (see *Nat Genet* 2021;53:1543 and *Nat Rev Gastroenterol Hepatol* 2022;19:689). The successful candidate will be in charge of project(s) involving biobank-scale analyses of large datasets (NGS, GWAS, genomics, (epi)genetics, transcriptomics, metagenomics etc), the interpretation of results and their submission to scientific journals and international meetings. Specific projects will be discussed based on the candidate interest, competence, and projected scientific trajectory (we are happy to serve as springboard for independence). You are at the postdoc/junior PI career level and are looking for the opportunity to take on a pivotal role in a group of internationally recognised leaders. You hold a PhD in computer science, bioinformatics, genetics or related fields, have documented knowledge of R/Bioconductor, Python and programming languages, Unix environment and high-performance computing clusters.

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The position is available immediately until filled and covers 3 years of research activities.

CICbioGUNE, member of the Basque Research and Technology Alliance (BRTA), is a '*Severo Ochoa*' Excellence Center among the top research institutes in Spain. Cutting-edge research activities at CICbioGUNE focus on the mechanisms of human disease and the characterisation of their molecular basis. The Center is located at the Science and Technology Park of Bizkaia in the outskirts of Bilbao, the main city of the Basque Country, which offers stunning landscapes, cultural attractions and a vibrant scientific community.

#### **Application procedure:**

Candidates should submit their CV, a cover letter and the name and contact details of, at least, 2 references using the following [form](#) and indicating [43371](#) as reference.