

## **Computational biologist, genomics of immune-mediated inflammatory diseases at IMIDomics**

We are looking for a highly motivated postdoctoral researcher to work in the genomic analysis of Immune-Mediated Inflammatory Diseases (IMIDs). The successful applicant will work in IMIDomics ([www.imidomics.com](http://www.imidomics.com)), a rapidly growing spin-off from the Vall d'Hebron Research Institute, that is focused on bringing the power of precision medicine to IMID patients. A fundamental strategy at IMIDomics is to integrate high-quality molecular data from large cohorts of well-characterized patients. The applicant will be involved in the analysis of genomic data generated from these patients, working in a team of bioinformaticians and expert genomic scientists as well as medical researchers. We provide a highly stimulating environment with the use of state-of-the-art technologies and unique career development.

### **Tasks**

- Processing and analysis of genomic data (e.g. GWAS, WGS, PGS)
- Integrative analysis of genomic data with our transcriptomic (i.e. eQTL), proteomic (i.e. pQTL) and clinical data as well as with publicly available large-scale datasets
- Generation of high-quality reports supporting drug target identification, patient stratification, etc.
- Discussion of reports in scientific meetings

### **Desired skills and expertise**

- PhD in Computational Biology or closely related areas
- Experience in analysis of large genomic datasets
- Strong statistical background for association analysis and model construction
- Excellent programming skills in R
- Good communication and presentation skills, with capacity for high-quality visualization
- Valued assets: knowledge of autoimmunity, immune repertoire, network analysis and statistics applied to Machine Learning
- Ability to work in a team and pursue goals in a focused way

### **Work conditions**

- Type: Full time position
- Starting date: Immediate
- Deadline: 31st January 2022
- Salary: commensurate to the candidate's expertise and qualifications

Applications including all relevant credentials should be sent to [toni@imidomics.com](mailto:toni@imidomics.com)