



“Postdoctoral position on Human Genomics Data”

Centre for Genomic Regulation (CRG)

The Institute

The Centre for Genomic Regulation (CRG) is an international biomedical research institute of excellence, based in Barcelona, Spain, with more than 400 scientists from 44 countries. The CRG shares principles of an interdisciplinary, motivated and creative scientific team that is supported by high-end and innovative technologies and a flexible and efficient administration.

CRG has been conferred with a badge of ‘HR Excellence in Research’ by the European Commission, in recognition to its progress in implementing the European Charter for Researchers and the Code of Conduct for Recruitment of Researchers, that among others consists of transparent, merit-based recruitment procedures and attractive work-life balance working conditions.

For further information: www.crg.eu

The role

The Postdoctoral holder will co-lead the curation and enrichment of EGA metadata and raw data in a context of HPC and Big Data. Ideal candidates should have a PhD in bioinformatics, human genomics, human molecular biology, human genetics or related field and a minimum of two years of relevant postdoctoral experience. Additionally, the candidate should have proven experience in human genome analysis, with emphasis on statistical genomics and/or establishing links between genomes and phenomes. Proficiency in some common programming language (e.g. Python, Java), R, and relational databases (e.g. MySQL and PostgreSQL) is expected. The post holder will be expected to be comfortable working in a UNIX environment and with very large databases.

About the team/ lab/ department

The European Genome-phenome Archive

The Center for Genomic Regulation (CRG, www.crg.eu) in Barcelona entered, five years ago, a partnership with the European Bioinformatics Institute (EBI, www.ebi.ac.uk) to share responsibility for the development of the European Genome Phenome Archive (ega-archive.org) in the context of the European Bioinformatics Infrastructure ELIXIR (www.elixir-europe.org). The EGA team at the CRG interacts intensely with its counterpart group at the EBI. The CRG project is supported by the Spanish National Institute for Bioinformatics (INB, www.inab.org), the Barcelona Supercomputing Center (BSC, www.bsc.es), the Universitat Pompeu Fabra (UPF, www.upf.edu) and the “La Caixa” Foundation (obrasociallacaixa.org) and is based at the Barcelona’s Biomedical Research Park (PRBB, www.prbb.org).

The EGA is a world class leader on the field of genomic human data management and strengthening its role in the Precision Medicine area. The EGA team is playing a relevant role, also, in many initiatives from the Global Alliance for Genomics and Health (<https://ga4gh.org/>)

The EGA team at the CRG is currently recruiting one position at the postdoctoral level. We are seeking a bioinformatician who will work closely with the rest of the team members at the CRG and the EBI.





Whom would we like to hire?

- You hold a PhD in human bioinformatics, genomics, molecular biology, genetics or related field.
- You have a minimum of two years of relevant postdoctoral experience.
- You have proven experience in human genome analysis, with emphasis on statistical genomics and/or establishing links between genomes and phenomes. Proficiency in some common programming language (e.g. Python, Java) and relational databases (e.g. MySQL and PostgreSQL) is expected. The post holder will be expected to be comfortable working in a UNIX environment and with very large databases.
- You are very fluent in English
- Experience on Office-like applications usage, e.g. Excel, Word, Powerpoint
- Good teamwork and presentation skills

Desirable but not required

- HPC Cluster experience
- Statistical analysis with R experience
- Microarray analysis knowledge
- Disease related ontologies knowledge
- New sequencing technologies (e.g. long reads, single-cell)
- Bigdata technologies knowledge (e.g. HBase, MongoDB...)

The Offer

- **Contract duration:** 3 years, including a trial period
- **Estimated annual gross salary:** Salary is commensurate with qualifications and consistent with our pay scales.
- **Target start date:** as soon as possible

We provide a highly stimulating environment with state-of-the-art infrastructures, and unique professional career development opportunities.

We offer and promote a diverse and inclusive environment and welcomes applicants regardless of age, disability, gender, nationality, race, religion or sexual orientation.

The CRG is committed to reconcile a work and family life of its employees and are offering extended vacation period and the possibility to benefit from flexible working hours.

Application Procedure

All applications must include:

1. A motivation letter addressed to Dr. Jordi Rambla.
2. A complete CV including contact details.
3. Contact details of two referees.

All applications must be addressed to Dr. Jordi Rambla and be submitted online on the CRG Career site - <http://www.crg.eu/en/content/careers/job-opportunities>

Deadline: the position will remain open until it is filled

