



European Genome-phenome Archive (EGA) Postdoctoral position on Human Genomics Data

The Institute

The Centre for Genomic Regulation (CRG), is an international biomedical research institute of excellence, based in Barcelona, Spain, whose mission is to discover and advance knowledge for the benefit of society, public health and economic prosperity.

The breadth of topics, approaches and technologies at the CRG permits a broad range of fundamental issues in life sciences and biomedicine to be addressed. Research at the CRG falls into four main areas: gene regulation, stem cells and cancer; cell and developmental biology; bioinformatics and genomics; and systems biology.

With more than 380 scientists from 42 countries, the CRG excellence is based on an interdisciplinary, motivated and creative scientific team that is supported by high-end and innovative technologies.

The Scimago Institution Rankings (SIR) World Report 2015 classifies the CRG in 6th position (Health sector), out of over 5,100 research institutions around the world.

The centre's other main strategic goals are: to translate basic scientific findings into benefits for health and economic value for society; to provide advanced and excellent training to our scientists; and to communicate and establish a bilateral dialogue with society.

The Centro Nacional de Análisis Genómico (CNAG-CRG) was integrated with the CRG in July 2015, and is one of the major Genome Sequencing Centres in Europe with a large park of second generation DNA sequencers supported by an extensive informatics infrastructure.

CRG has received the “HR Excellence in Research” award from the European Commission, which shows the commitment of the institute in conducting transparent and merit-based recruitment procedures and providing attractive working conditions in alignment with the European Charter and Code.

For further information: www.crg.eu

The European Genome-phenome Archive

The Center for Genomic Regulation (CRG, www.crg.eu) in Barcelona entered 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 (obrasocial.lacaixa.es) 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 looking to strength 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://genomicsandhealth.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.





Mission of 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, genomics, molecular biology, genetics or related field and a minimum of two years of relevant postdoctoral experience. Additionally, the candidate should have proven experience in 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 Oracle) is expected. The post holder will be expected to be comfortable working in a UNIX environment and with very large databases.

Requirements

Studies:

- PhD in bioinformatics, genomics, molecular biology, genetics or related field

Experience:

- A minimum of two years of relevant postdoctoral experience

Technical skills required:

- Proficiency in some common programming language (e.g. Python, Java), R,
- Proficiency in some common relational databases (e.g. PostgreSQL or Oracle) is expected.
- To be comfortable working in a UNIX environment and with very large databases

Languages:

- Fluent level of English

The Offer

- **Duration:** 3 years, including a trial period
- **Estimated annual gross salary:** A competitive salary will be provided, which will be well matched relative to the cost of living in Barcelona, and adjusted according to experience
- **Starting date:** Autumn 2016

We offer work in a highly stimulating environment with state-of-the-art infrastructure, providing the successful applicant with unique opportunities to develop a strong technical portfolio.

CRG offers and promotes a diverse and inclusive environment and welcomes applicants regardless of age, disability, gender, nationality, race, religion or sexual orientation.

Application Procedure

All applications must include:

1. A presentation letter addressed to Dr. Roderic Guigó.
2. A full CV including contact details.
3. Two or more contacts for further references.

All applications must be addressed to Dr. Roderic Guigó and be submitted by means of on-line application on the official website of the CRG - <http://recruitment.crg.eu/>.

Deadline: the position will remain open until it is filled. All candidates would be evaluated at shortest notice.

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