



BIOMEDICAL SCIENCE FOR THE BENEFIT OF SOCIETY

## “DevOps Engineer”

### *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 is composed by an interdisciplinary, motivated and creative scientific team which is supported both by a flexible and efficient administration and by high-end and innovative technologies.

In April 2021, the Centre for Genomic Regulation (CRG) received the renewal of the '[HR Excellence in Research](#)' Award from the European Commission. This is a recognition of the Institute's commitment to developing an HR Strategy for Researchers, designed to bring the practices and procedures in line with the principles of the [European Charter for Researchers](#) and the [Code of Conduct for the Recruitment of Researchers](#) (Charter and Code).

[Please, check out our Recruitment Policy](#)

#### About the role

As a pivotal member of our team at the Centre for Genomic Regulation (CRG) you will take on responsibilities investigating and resolving operational processes on a daily basis contributing to the project National IMPaCT-Data. Leveraging your skills and problem-solving abilities, you will meticulously investigate issues to identify their root causes. Once pinpointed, you will apply your expertise to implement effective solutions, ensuring the seamless functioning of the EGA services and databases. Through your proactiveness you will not only address immediate challenges but also contribute to the continuous improvement and streamlining of our operational processes, driving our organisation and project success.

#### About the EGA

The EGA (European Genome-Phenome Archive, [www.ega-archive.org](http://www.ega-archive.org)) is a resource for permanent secure archiving and sharing of all types of potentially identifiable bio-molecular, phenotypic, and clinical data resulting from biomedical research projects. We host more than 16 petabytes of data, that includes more than 3700 studies and 8600 datasets. The EGA, co-managed by the CRG ([www.crg.eu](http://www.crg.eu)) and the European Bioinformatics Institute (EBI, [www.ebi.ac.uk](http://www.ebi.ac.uk)), is an active partner in numerous international and national projects and contributes to establishing international standards in genomics and health research. Currently, the EGA is involved in many precision medicine initiatives and projects and looks forward to providing advanced services for that research community. The EGA team at CRG is a diverse group (currently 20 people and steadily growing) composed of bioinformaticians, developers and scientists from various backgrounds. The EGA is a Global Alliance for Genomics and Health (GA4GH, [www.ga4gh.org](http://www.ga4gh.org)) driver project, an ELIXIR ([www.elixir-europe.org](http://www.elixir-europe.org)) Core Data Resource and Recommended Deposition Repository, as well as an ELIXIR Spain ([www.inab.es](http://www.inab.es)) service. In Barcelona, the EGA is based at the Barcelona Biomedical Research Park (PRBB, [www.prbb.org](http://www.prbb.org)) and receives support from the Barcelona Supercomputing Center (BSC, [www.bsc.es](http://www.bsc.es)) and the Universitat Pompeu Fabra (UPF, [www.upf.edu](http://www.upf.edu)).

#### Professional experience

##### Must have

- Expertise in advanced PostgreSQL: Proficiency in PostgreSQL, including PL/pgSQL and replication
- Advanced Python skills

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- Knowledge on AWS, specifically for S3, EC2, SES...
- Familiarity with messaging software, specifically RabbitMQ
- Knowledge on Jenkins for automating software development processes, ensuring smooth integration and deployment
- Experience with Extract, Transform, Load (ETL) pipelines to efficiently process and manage large volumes of data
- Advanced Linux systems administration
- Knowledge on Docker and related tooling
- Proficiency in SQL and familiarity with Big Data database technologies

### Education and training

- You hold a Degree in Computational Science or a related field
- Minimum of 2 years of experience in a similar position
- Proven experience in Linux distributions, as well as experience in databases, system security, and related technologies

### Languages

- You are fluent in English, as it is the working language of the group

### Competences

- You have exceptional organizational skills
- You are an autonomous problem-solver
- You are proficient in writing documentation
- You are accurate and detail-oriented
- You are a team player

### Desirable but not required/ Nice to have

- C programming language experience
- Genomics data expertise: knowledge of genomics data, including data types, tools, pipelines, and indexing technologies
- You speak Spanish and/or Catalan

### The Offer – Working conditions

- **Contract duration:** long-term contract, linked to the duration of the project
- **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. To check out our training and development portfolio, please visit our website in the [training section](#).

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

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 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>

### Selection Process

- **Pre-selection:** The pre-selection process will be based on qualifications and expertise reflected on the candidates CVS. It will be merit-based.
- **Interview:** Preselected candidates will be interviewed by the Hiring Manager of the position and a selection panel if required, typically in two rounds of interviews. In some cases, a small test may be requested to assess skills.
- **Offer Letter:** Once the successful candidate is identified the People department will send a Job Offer, specifying the start day, salary, working conditions, among other important details.

**Deadline:** Please submit your application by July 1st, 2024.

**Suggestions:** The CRG believes in **ongoing improvement** and promotes a **culture of feedback**. This is one of the reasons we have in place, at your disposal as a candidate, a mechanism to gather your suggestions/complaints concerning your candidate experience in our recruitment processes. Your feedback really matters to us in our aim at creating a **positive candidate journey**. You can make a difference and help us improve by letting us know your suggestions through the [following form](#).

Este proyecto pertenece a la convocatoria: "Infraestructura de Medicina de Precisión asociada a la Ciencia y Tecnología (IMPACT) \_Ciencia de Datos", y está financiado por el Instituto de Salud Carlos III. Este proyecto está cofinanciado por el Fondo Europeo de Desarrollo Regional (FEDER), Programa Operativo Plurirregional de España 2014-2020. FEDER - "Una manera de hacer Europa"



HR EXCELLENCE IN RESEARCH

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