



BIOMEDICAL SCIENCE FOR THE BENEFIT OF SOCIETY

“Bioinformatician”
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](#)

The role

The CRG Bioinformatics Unit is seeking a Bioinformatician to implement, benchmark, and maintain robust, reproducible, and scalable bioinformatics workflows for the analysis of long-read sequencing data. You will contribute to the development and application of long-read approaches for the study of human genome variation and somatic genomic alterations in cancer, as well as to the characterisation of epigenomes and transcriptomes using these technologies.

These efforts will further strengthen the CRG's long-read data analysis capabilities, in line with the increasing availability of long-read sequencing technologies such as the PacBio and the Oxford Nanopore at the institute.

You will work in close collaboration with the Rodriguez-Martin team, supporting activities related to data management, code development, and genomic data analysis. In addition, you will contribute to the funded project “The impact of highly mutagenic LINE-1 repeats on cancer predisposition”, which aims to identify novel biomarkers of cancer predisposition through the generation and analysis of tumour long-read sequencing data.

Your scientific contributions will support publications, translational research and lead to open-source software solutions.

About the Bioinformatics unit

The Bioinformatics Unit supports CRG and external researchers with experimental design, high-throughput sequencing data analysis, software/pipelines and database development, and other scalable bioinformatics solutions that enable reproducible and FAIR research, supported by training and dissemination of best practices.





Whom would we like to hire? Professional experience

Must have

- PhD in bioinformatics, computational biology, or related field
- Understanding of experimental design and statistical concepts relevant to omics data
- Ability to critically evaluate and benchmark computational methods using appropriate metrics
- Experience in genome analysis, including variant calling, assembly, and phasing
- Expertise in the analysis of high throughput sequencing data (e.g. WGS or RNA-seq)
- Ability to interpret results in a biological context and identify potential biases
- Proficiency in Python
- Proficiency in R and Bash scripting
- Familiarity with workflow systems (e.g. Nextflow)
- Experience with Git for version control and collaborative development
- Comfortable in Linux/Unix environments and high-performance computing
- Understanding of reproducibility and good practices in scientific computing
- Basic experience with containers (Docker or Singularity)
- Ability to collaborate with researchers to implement analyses and interpret results

Nice to have

- Experience analysing long-read sequencing data
- Experience with multi-omics data integration
- Knowledge of AI/ML Applications in bioinformatics or computational biology
- Experience reproducing computational methods from publications
- Exposure to CI/CD practices and automated testing workflows

Education and training

- PhD in Bioinformatics, Computational Biology, Computer Science, or related field

Languages

- Proficiency in spoken and written English

Competences

- Ability to manage multiple tasks and work independently
- Collaborative and proactive working style
- Commitment to good practices for FAIR and reproducible research
- Clear written and verbal communication skills

The Offer – Working Conditions

- **Contract duration:** Technical and scientific activities contract linked to the project (estimated duration of 1 year with possibility of extension)
- **Estimated annual gross salary:** Salary is commensurate with qualifications and consistent with our pay scales
- **Target start date:** July 1, 2026.

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 Dr Julia Ponomarenko, Head of the Bioinformatics Unit, and Dr Bernardo Rodriguez Martin.
2. A complete CV including contact details.
3. Contact details of two referees.

All applications must be addressed to Dr. Julia Ponomarenko 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.
- **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 **June 26, 2026**.

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](#).

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