

BIOMEDICAL SCIENCE FOR THE BENEFIT OF SOCIETY

"Post-Doctoral Researcher in Molecular Biology"
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 September 2026, 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 selected candidate will join the GENCODE project, a leading international consortium dedicated to achieving comprehensive and accurate annotation of the human and mouse genomes. The candidate will play a key role in coordinating experimental data generation within the laboratory, as well as validation experiments, taking responsibility for the implementation and optimization of experimental approaches to support the project's objectives. Working closely with the group's computational team, the candidate will also actively contribute to data interpretation and integration, bridging experimental and computational genomics.

About Guigo's lab

The overarching theme of the research in our lab is the understanding of the information encoded in genomic sequences, and how this information is processed in the pathway leading from DNA to protein sequences. More specifically, we are interested in the annotation of genomes, not only human and mouse but also along the phylogenetic tree, the epigenetic regulation of gene expression and RNA processing, the relationship between molecular phenotypes and higher order endophenotypes and organismal phenotypes, and the identification of functional regions on the genome of all living beings. Our group is mostly computational, and we do both large-scale data analysis and development of methods, but it has also an important experimental component. We participate in many large scale international functional genomics projects, such as ENCODE, GENCODE, dGTEx and others.

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Whom would we like to hire?

Must Have:

- At least five years of experience in molecular biology, next-generation sequencing and genomics/transcriptomics approaches
- Experience in the development and implementation of experimental methodologies

Education and training

- PhD in Biology, Biochemistry, Biotechnology or any other biological science

Languages:

- Highly proficient in both spoken and written English

Technical skills:

- Cell culture
- Molecular Biology techniques
- Next Generation Sequencing
- Long-read sequencing technologies
- Collaborative tools
- Good understanding of bioinformàtics tools is highly relevant

Competences

- Project management
- Interdisciplinary research
- Capacity for working independently, but also ability to interact with others, both with colleagues within the group and from the project consortium
- Good (academic) writing and presentation skills
- Imagination, Motivation, Curiosity, Pro-activity, Independence, Critical thinking

The Offer – Working Conditions

- **Contract duration:** The anticipated duration of the contract is approximately 33 months (subject to and conditional upon the effective receipt and continued availability of the funding allocated to the project)
- **Estimated annual gross salary**: Salary is commensurate with qualifications and consistent with our pay scales
- **Target start date**: January 4th, 2027

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.

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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 Roderic Guigó
2. A complete CV including contact details.
3. Contact details of two referees.

All applications must be addressed to Dr. Roderic Guigó 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.
- **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 December 3rd, 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.

This project has received funding from the National Human Genome Research Institute (NHGRI).

National Human Genome Research Institute

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HR EXCELLENCE IN RESEARCH

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