



BIOMEDICAL SCIENCE FOR THE BENEFIT OF SOCIETY

## **Bioinformatician in Environmental Metagenomics** *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**

We are looking for a Bioinformatician in metagenomics to join our team in the PyriSentinel project ([pyrisentinel.eu](http://pyrisentinel.eu)), a European-funded initiative dedicated to investigating the microorganism diversity of high mountain lakes in the Pyrenees using advanced long-read sequencing techniques. This region, experiencing a warming rate higher than the global average, is a vital observatory for studying the impacts of global climate change. The project examines approximately 300 lakes, which, due to their extreme conditions and climatic variations, harbor a significant diversity of microorganisms. Characterizing these planktonic communities will help assess the health status of these ecosystems, preserve their genetic heritage, and study the possible consequences of environmental changes in these sentinel lakes. PyriSentinel aims to provide a detailed insight into the genetic diversity of aquatic microorganisms in the Pyrenees, promoting advanced techniques and establishing a benchmark in genomics-based biomonitoring, thus contributing to the international effort to characterize the global microbiome.

As part of our team, the selected candidate will be primarily responsible for the analysis and interpretation of metagenomic data generated within the project. The position also involves contributing to integrating genomic and environmental datasets, supporting project scientific outputs, and actively participating in consortium meetings and collaborative exchanges with project partners.

### **About the team**

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. 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, GTEx, and others. For more information: <https://genome.crg.es/>.

### **Whom would we like to hire?**

#### **Professional experience** **Must Have**

- Master's or PhD/Postdoctoral profile in bioinformatics, genomics, microbiology, computational





biology, or related fields

- Experience in metagenomics, ideally environmental metagenomics
- Genuine interest in environmental metagenomics and microbial ecology, will be highly valued

### Languages

- You are fluent in English

### Technical skills

- Interpretation of complex metagenomic data

### Competences

- The successful candidate should demonstrate critical-thinking and attention to detail
- They should be capable of working independently while also contributing effectively to a multidisciplinary and international team
- A proactive and collaborative attitude

### The Offer – Working Conditions

- **Contract duration:** Technical and scientific activities contract linked to the project duration (estimated 6 months approximately)
- **Estimated annual gross salary:** Salary is commensurate with qualifications and consistent with our pay scales
- **Target start date:** June or September 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 Hannah Benisty and Roderic Guigó.
2. A complete CV including contact details.
3. Contact details of two referees.

All applications must be addressed to Hannah Benisty and 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 May 15, 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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