



BIOMEDICAL SCIENCE FOR THE BENEFIT OF SOCIETY

“BIOINFORMATICIAN – BIODIVERSITY SINGLE-CELL DATABASE”

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 is recruiting a bioinformatician with experience in single-cell data analysis and database infrastructure. The position will entail processing, curating, and systematizing existing single-cell RNA-seq datasets and developing a multi-species database, with the accompanying web application to explore the data. The candidate will be a part of a highly interdisciplinary team that includes computational, evolutionary and molecular biologists in different groups at CRG (including the Bioinformatics Unit), and this project will be developed in very close contact with groups at EMBL-EBI (Hinxton, UK).

About the team

We are developing the computational infrastructure to host a multi-species single-cell atlas database, that will enable the interactive exploration of these cell type molecular maps, comparisons across species, and more.

For further information you can directly email arnau.sebe@crg.eu





Whom would we like to hire?

Professional experience

Must Have

- Experience working with genomics data
- Experience setting up and working with webservers

Desirable but not required

- Experience in relational databases (e.g. SQL)
- Experience in single-cell data analysis
- Experience working with shiny apps

Education and training

- A bachelor/master degree in Bioinformatics, Computer Science or related disciplines

Languages

- You are fluent in English

Technical skills

- Advanced R programming
- Containers (e.g., Docker)
- Workflow management systems (e.g., Nextflow)

Competences

- Highly developed organization and coordination skills
- Dedication, motivation, and rigor in scientific pursuits
- Capacity to work both independently and as part of a team

The Offer – Working Conditions

- **Contract duration:** 3 years
- **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 Dr Sebe-Pedros and Dr. Roderic Guigó.
2. A complete CV including contact details.
3. Contact details of two referees.

All applications must be addressed to Dr Sebe-Pedros and 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 June 15th, 2023

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](#).

Severo Ochoa: Ayuda CEX2020-001049-S financiada por MCIN/ AEI / 10.13039/501100011033

