39BIOMEDICAL SCIENCE FOR THE BENEFIT OF SOCIETY

"SINGLE-CELL AND FUNCTIONAL GENOMICS SENIOR RESEARCH ASSISTANT"

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 recruiting an experienced researcher to support and strengthen our single-cell and regulatory genomics expertise. The position will entail applying/adapting established protocols and developing new methods, using the advanced and versatile single-cell and sequencing infrastructure existing in our lab and at the CRG. The work will be part of our ERC-funded project EvoCellMap and it will also contribute to technologies for the Biodiversity Cell Atlas initiative. Our research requires of a good understanding of these different functional genomics methodologies in order to adjust them to non-model species. The candidate will be a part of a highly interdisciplinary team that includes developmental, computational, evolutionary and molecular biologists.

About the team

Our group studies genome regulation from an evolutionary systems perspective. In particular, we are interested in deciphering the evolutionary dynamics of animal cell type programs and in reconstructing the emergence of genome regulatory mechanisms linked to cell type differentiation (from transcription factor binding through chromatin states to the physical architecture of the genome). To this end, we apply advanced single-cell genomics and chromatin experimental methods to dissect and compare cell types and epigenomic landscapes in phylogenetically diverse organisms. We also develop computational tools to integrate these diverse data sources into models of cell type gene regulatory networks and we use phylogenetic methods to comparatively analyse these models.

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

You can also consult our website: www.sebepedroslab.org

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Whom would we like to hire?

Professional experience

Must Have

- Expertise in molecular biology, particularly DNA/RNA biology.
- Experience in single-cell genomics protocols (e.g. scRNAseq, scATACseq).

Desirable but not required

- Experience in operating liquid-handling robots (e.g. Agilent Bravo).
- Experience in chromatin methods (e.g. ChIP, HiC/microC, ATAC, SELEX).

Education and training

- A bachelor/masters degree in Biology (or related disciplines) or a lab technician qualification.
- Good understanding of different functional genomics methodologies.

Languages

- English fluency.

Technical skills

- Hands-on experience in genomics workflows (e.g. library preparation).
- Hands-on experience in basic molecular biology (e.g. DNA/RNA purification, cloning, protein protocols).

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:** 12 months (with possibility to renew up to 5 years).
- **Estimated annual gross salary:** Salary is commensurate with qualifications and consistent with our pay scales.
- **Target start date:** July-September 2023.

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.

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Application Procedure

All applications must include:

1. A motivation letter addressed to Dr Sebé-Pedrós.
2. A complete CV including contact details.
3. Contact details of two referees.

All applications must be addressed to Dr. Sebé-Pedrós 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 30th of June 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.

HR EXCELLENCE IN RESEARCH

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