

BIOMEDICAL SCIENCE FOR THE BENEFIT OF SOCIETY

**"Postdoctoral Researcher in Centrosome Proteostasis and Cell 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) has 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 Cell Division and Organelle Biology lab is recruiting a highly motivated postdoctoral researcher to investigate how centrioles and centrosomes maintain their structural integrity throughout the cell cycle. The successful candidate will contribute to the CENTROSTASIS project, focusing on the turnover of centrosomal proteins and the molecular pathways that regulate organelle maintenance. The role combines quantitative proteomics, cell-based assays and advanced microscopy to uncover fundamental mechanisms of proteostasis and their relevance to health and disease.

Key responsibilities:

- Develop and apply experimental approaches to measure turnover of centrosome components and their dynamics across the cell cycle.
- Contribute to centrosome enrichment and quantitative proteomics workflows in collaboration with CRG core facilities.
- Investigate regulators of protein turnover and centriole integrity using molecular perturbations and biochemical and imaging assays.

## About the lab

The Bettencourt-Dias Lab investigates cell division and organelle biology, with particular emphasis on centrosomes and cilia. The team uses cell biology, high-resolution microscopy, proteomics and molecular approaches to understand how centrioles are assembled, maintained and eliminated in heath and disease, and how these processes evolved in eukaryotes.

## Whom would we like to hire?

### Professional experience

#### Must Have

- Experience in cell biology, biochemistry, molecular biology or proteomics
- Experience in cell culture and gene editing (CRISPR, lentivirus, etc.)
- Experience in cell perturbation (RNAi, drug inhibitors, etc.)
- Experience in fluorescence microscopy

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### Desirable but not required/ Nice to have

- Experience in cell cycle regulation, centrosome biology or protein turnover
- Experience with SNAP-tag pulse-chase labelling
- Previous knowledge of expansion microscopy
- Skilled in quantitative image analysis (ImageJ/FIJI, Imaris, or similar)

### Education and training

- A PhD in Cell Biology (or related disciplines), completed by the position start date.

### Languages

- English fluency

### Competences

- Highly developed organizational skills
- Careful experiment planning, and rigor in scientific pursuits
- Capacity to work in a highly collaborative environment
- Great communication skills of your scientific results

### The Offer – Working Conditions

- **Contract duration:** Technical and scientific activities contract linked to the project (estimated duration 3 years)
- **Estimated annual gross salary:** Salary is commensurate with qualifications and consistent with our pay scales
- **Target start date:** December 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. Mónica Bettencourt-Dias.
2. A complete CV including contact details.
3. Contact details of two referees.

All applications must be addressed to Dr. Mónica Bettencourt-Dias and submitted online through the CRG careers portal: https://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.

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- **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 November 19, 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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Project: CENTROSTASIS – Proteostatic Networks Governing Centrosome Homeostasis in Health and Disease (ATRAE programme).

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