



BIOMEDICAL SCIENCE FOR THE BENEFIT OF SOCIETY

Research Trainee – Proteomics and Centrosome 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 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 Bettencourt-Dias Laboratory at the CRG is seeking a motivated Research Trainee to join the team for a 3-month period starting 15 July 2026. The trainee will contribute to investigate the proteostatic networks that govern centrosome homeostasis in health and disease. The position offers hands-on experience in mass spectrometry-based proteomics applied to centrosome biology.

The trainee will develop and apply quantitative proteomics pipelines (SILAC pulse-chase and DIA) to map the turnover of centrosomal proteins across the cell cycle, contribute to centrosome isolation via CAPture-based enrichment, and perform bioinformatic analyses to integrate proteomic datasets with imaging data.

About the lab

The Bettencourt-Dias Laboratory investigates how centrioles and centrosomes are built, maintained, and eliminated, and how their deregulation drives cancer and ciliopathies. The lab combines quantitative cell biology, super-resolution microscopy, proteomics, and computational approaches. The group is based at the Barcelona Biomedical Research Park (PRBB), within the CRG's Programme on Quantitative Cell Biology, and is led by Dr. Mónica Bettencourt-Dias.

Whom would we like to hire?

Professional experience

Must Have

- You have hands-on experience with mass spectrometry-based proteomics workflows, including data-independent acquisition (DIA) and/or SILAC-based approaches
- You are proficient in proteomics data analysis software (e.g., Spectronaut, FragPipe, or Proteome Discoverer) and scripting languages (Python and/or R) for statistical analysis and pipeline development
- You have a solid background in molecular and cellular biology and a genuine interest in cell biology and cancer research. You are fluent in English





Desirable but not required/ Nice to have

- Familiarity with bioinformatics tools for interactome or network analysis (e.g., STRING, Cytoscape, AlphaFold) would be valued

Education and training

- You hold a BSc or MSc degree in Biochemistry, Biology, Bioinformatics, or a closely related field

Languages

- You are proficient in English (working language of the lab)
- Knowledge of Spanish or Catalan is helpful but not required

Technical skills

- You are experienced with proteomics software (Spectronaut, FragPipe, and/or Proteome Discoverer), and with Python and/or R for data analysis. Familiarity with Linux command-line environments is an asset

Competences

- Strong analytical and problem-solving skills; meticulous attention to detail in data acquisition and analysis; ability to work both independently and collaboratively in a dynamic, international team; proactive communication and a genuine enthusiasm for cell biology research

The Offer – Working Conditions

- **Contract duration:** temporary contract from July 15 to October 14, 2026.
- **Estimated annual gross salary:** Salary is commensurate with qualifications and consistent with our pay scales
- **Target start date:** 15 July 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 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](#).

