



BIOMEDICAL SCIENCE FOR THE BENEFIT OF SOCIETY

“Research Trainee in the AI for protein design lab”
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 candidate to help develop a new research line focused on protein design models that incorporate physics-based principles. The successful candidate will train, benchmark, and develop deep learning architectures. They will work in high-performance computing environments and apply expertise in statistical mechanics, molecular dynamics, and physics. The goal of this work is to move beyond purely data-driven paradigms by integrating chemical and physical priors. These approaches will improve our understanding of protein function and enable the design of new proteins with tailored properties and functions.

About the lab

We are the AI for protein design lab at the Centre for Genomic Regulation. It brings together experimental and computational researchers working on AI-driven protein engineering and design. The group combines computational modelling, deep unsupervised learning and experimental validation to understand and design protein functions.

Whom would we like to hire?

Professional experience

Must Have

- Hands-on experience training, benchmarking and developing deep learning architectures
- Experience handling high performance computing environments
- Knowledge about statistical mechanics

Desirable but not required/ Nice to have

- Experience/good grasp about physics

Education and training

- MSc in Engineering, Bioinformatics or related discipline

Languages

- You are proficient in English

Technical skills

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- Extensive experience with programming languages

Competences

- Highly developed organizational skills
- Ability to work independently and in a team environment
- Motivation and willingness to learn in a competitive, highly paced research field

The Offer – Working Conditions

- **Contract duration:** Temporary contract, 2 months
- **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 Noelia Ferruz.
2. A complete CV including contact details.
3. Contact details of two referees.

All applications must be addressed to Dr. Noelia Ferruz 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 09/08/2026

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](#).





HR EXCELLENCE IN RESEARCH



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OCHOA

