



BIOMEDICAL SCIENCE FOR THE BENEFIT OF SOCIETY

“Lab technician – Deep mutational Scanning”

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 shares principles of an interdisciplinary, motivated and creative scientific team that is supported by high-end and innovative technologies and a flexible and efficient administration.

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 Lab Technician to join a team in the Genetic Systems Lab using deep mutational scanning to understand protein stability. This is a 3-month position to work as part of a focussed data production team.

About the lab

The Genetic Systems labs works on fundamental questions in genetics and epigenetics using different systems and approaches, including model organisms and human genetic data, choosing the system and approach for the question at hand. Recent questions we have addressed include understanding mutational processes in cancer genomes, noise, inter- and trans-generational epigenetics, genetic interactions and genetic prediction. This creates an interdisciplinary and collaborative environment with many members of the lab using both experimental and computational approaches. All lab members lead their own projects.

The Genetic Systems lab is part of the CRG Systems Biology Programme, which is a unique centre of excellence in Europe for quantitative biology. The CRG and the other institutes of the PRBB including EMBL Barcelona provide an ideal ecosystem for this programme, being very strong in genomics, mechanistic and quantitative biology.

Work in the lab is funded by the European Research Council (ERC), Bettencourt Schueller Foundation, the AXA Foundation, the Catalan and Spanish governments, and core funding from the CRG. 12 recent alumni from the lab are now principal investigators in some of the very best institutes (Cambridge, Oxford, MRC/Imperial, Leuven, FMI Basel, IMBA Vienna, ENS Lyon, IIT India, CNIO Madrid, and IRB, IBEC and IJC Barcelona).

We recently initiated a new research direction that uses systematic ('deep') mutagenesis to quantify, understand, and predict how diverse mutations interact non-additively within and between molecules to affect phenotypes at multiple scales. We have applied this approach to individual exons (Cell 2019) and genes (Nature 2018), protein interactions (Elife 2018), regulatory interactions (Biorxiv 2019), gene networks (Nature comms 2019), prion-like domains (Nature comms 2019b) and amyloid fibrils (elife 2021).

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Whom would we like to hire?

Professional experience

Must Have

- You have experience with molecular biology and working with budding yeast
- You have understanding of deep mutational scanning
- You are interested in bioinformatics and statistics

Education and training

- You hold a Degree in molecular biology or a related discipline

Languages

- You are fluent in English

Competences

- You are passionate about understanding biology
- You are organized and hard-working with a 'can do' attitude
- You can work as part of an integrated team
- You have excellent communication skills
- You enjoy bold projects and taking on challenges
- You are able to work in a multidisciplinary environment

The Offer – Working Conditions

- **Contract duration:** 3 months with possibility of extension.
- **Estimated annual gross salary:** Salary is commensurate with qualifications and consistent with our pay scales.
- **Target start date:** September, 2021.

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. Ben Lehner.
2. A complete CV including contact details.
3. Contact details of two referees.





All applications must be addressed to Dr. Ben Lehner 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 Human Resources department will send a Job Offer, specifying the start day, salary, working conditions, among other important details.

Deadline: Please submit your application by September 17th, 2021.

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](#).

