



## “Lab Technician at the Cellular and Systems Neurobiology 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 November 2013, the Centre for Genomic Regulation (CRG) received 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 technician at the Cellular and Systems Neurobiology lab to work on the validation of antioxidant compounds as therapeutic tool for neurodevelopmental disorders, a project led by Dr Mara Dierssen in collaboration with EURONUTRA enterprise and founded by Spanish Ministry of Science (RTC2019-007329-1).

The work of the candidate will be devoted to validate the effectiveness of the natural active principles extracted from carob fruit using in vivo studies in animal models of neurodevelopmental diseases without specific treatment associated with cognitive impairment: (i) Down syndrome, (ii) fragile X syndrome, and (iii) attention deficit hyperactivity disorder.

#### About the lab

The Dierssen lab is centred on understanding cognition and behaviour and their perturbation in intellectual disability. We are an interdisciplinary team of physicists, bioinformaticians and experimental biologists, and we focus on data collection (behaviour, 3D imaging, genomic data) of many variables of the system (longitudinal behavioural analysis, population based analysis in neuronal networks, gene expression patterns). We take advantage of computer modelling and bioinformatics analysis (gene networks, neuronal network modelling, etc.) to tackling classical unresolved questions in the field.

#### Whom would we like to hire?

##### Professional experience

###### Must Have

- You have proven experience in mouse behaviour
- You hold a certificate of animal experimentation
- You have previous experience in the neuroscience area
- You have previous experience in a laboratory





#### Desirable but not required/ Nice to have

- You have experience in clearing techniques
- You have experience with stereotaxic injections

#### Education and training

- You hold a PhD in disciplines such as Biology, Medicine, Pharmacy, or Biochemistry

#### Languages

- You are fluent in English

#### Technical skills

- You have experience in immunostaining and confocal imaging
- You have experience with histological techniques
- You have knowledge of PCR genotyping, mice colony and chemical reagent management

#### Competences

- You are highly motivated and have organisational skills
- You are capable of working in a group
- You have high degree of autonomy
- You have good communication skills

#### The Offer – Working Conditions

- **Contract duration:** 1 year renewable up to 3 years.
- **Estimated annual gross salary:** Salary is commensurate with qualifications and consistent with our pay scales.
- **Target start date:** December, 2020.

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. Mara Dierssen.
2. A complete CV including contact details.
3. Contact details of two referees.





All applications must be addressed to Dr. Mara Dierssen 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 November 30<sup>th</sup>, 2020.



RTC2019-007329-1 (MCIU/AEI/FEDER, UE).

