

We are seeking highly motivated **predoctoral candidates** interested in pursuing a PhD in Biomedicine or related fields to work in a **collaborative project that brings together the laboratories of Susana de la Luna at the Centre for Genomic Regulation (CRG) and Mariona Arbonés at the Institute of Molecular Biology (IBMB) in Barcelona.** Together, we aim to identify early neurodevelopmental dysfunctions in a rare human syndrome caused by an imbalanced dosage of DYRK1A.

As a PhD student in this project, you will have the opportunity to work with state-of-the-art methodologies, including mouse models and human brain organoids. You will be involved in a diverse range of histological, cellular, and molecular techniques (including proteomics and transcriptomics approaches) to unravel the underlying mechanisms of this syndrome.

We offer a **four-year pre-doctoral contract** (Spanish Science Law) to work in a collaborative research environment, benefiting from the collective expertise and resources of the CRG and the IBMB. Intended Start Date, 16th October 2023.

Requirements:

- **Acceptance into a PhD program:** Applicants must be **enrolled or accepted before September 29, 2023** into a PhD program in Biomedicine, Neuroscience, or related fields, in the 2023/2024 academic year.
- **Passion for basic research and ability to work effectively in a collaborative team environment.**
- **Excellent written and oral English.**
- **Previous experience in molecular biology and mammalian cell culture is required.** Experience in histology, confocal microscopy, and mouse work and knowledge of software such as Excel, GraphPad and PowerPoint are desirable.

How to apply:

If you meet the requirements, please send your CV, a motivation letter, and 2 different contacts (email and phone) to ask for personal references to **Susana de la Luna** (susana.luna@crg.eu) or **Mariona Arbonés** (marbmc@ibmb.csic.es) **before September 15th.**

To learn more about our laboratories and ongoing research, please visit the following links:

Susana de la Luna

<https://www.crg.eu/en/programmes-groups/de-la-luna-lab>

<https://orcid.org/0000-0001-7765-916X>

Mariona Arbones

<https://www.ibmb.csic.es/en/department-of-cells-and-tissues/proliferation-and-differentiation-of-the-nervsystem/>

<https://orcid.org/0000-0002-6035-0235>