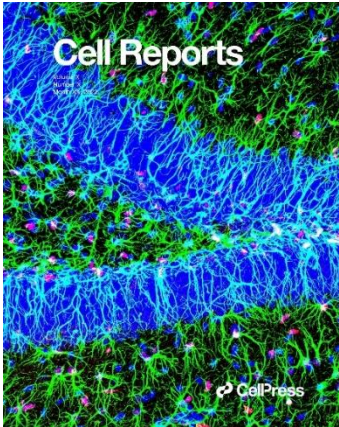


PhD POSITION AT INSTITUTO CAJAL (CSIC)

LABORATORY OF MOLECULAR CONTROL OF NEUROGENESIS



We offer a **4 year PhD contract** in the laboratory of **Dr. Aixa V. Morales** at **Cajal Institute**, linked to a recently obtained FPI contract and PID2023 Grant.

We are looking for highly enthusiastic candidates with a Master degree in the Biomedical field (Biochemistry, Biology, Bioinformatics, Biomedicine...).

The candidate will help to unveil the “**Origin of the quiescence state in neural stem cells during the development of the adult neurogenic hippocampal niche**” using a variety of technical approaches, including time and cell specific-specific knockout mice, Single-cell and Spatial RNA-Seq, neurosphere cultures and mouse behavioral tests.

Requisites:

- Research experience in Molecular Biology, Neurobiology, Bioinformatics and/or mouse models will be valued.
- Please send:

CV

Motivation letter

Two reference contacts

Interested candidates should contact us before the 15th of September, 2024.

Selected publications:

1. Early postnatal control of quiescence dynamics in neural stem cells is essential for long-lasting neurogenesis. Medina-Menéndez, C., Li, L., Tirado-Menéndez, P...Morales, A.V. (<https://www.biorxiv.org/content/10.1101/2024.05.03.592315v1>).
2. Li, L., Medina-Menéndez, C., García-Corzo, L., ..., Morales, A.V. (2022) Sox2 genes are required for adult neural stem cell activation. *Cell Reports* 38: 110313; [Cover].
3. Benzothiazole-based LRRK2 inhibitors as WNT enhancers and promoters of oligodendrocytic fate. (2020) Zaldivar-Diez, J., Li, L., ...Morales, A.V.* and Martinez, A*. (*CA). *J. of Med. Chem.* 63(5):2638
4. Morales A.V., and H. Mira. (2019) Adult neural stem cells: born to last. *Front. Cell Dev. Biol.* 7: 96

