

FPI-FUNDED PhD POSITION IN NEUROSCIENCE

RECONECTANDO EL CIRCUITO VISUAL TRAS LESIÓN (ReVis)

Project PID2025-168114NB-I00 | Eloisa Herrera Lab - Instituto de Neurociencias (CSIC-UMH)

<https://in.umh-csic.es/es/author/e-herreraumh-es/>

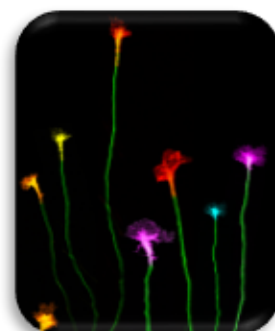
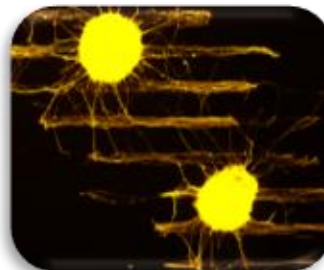
<https://eloisahgm.wixsite.com/herreralab>

Project

How can regenerating axons find their correct targets after injury? This project will test whether developmental axon-guidance programs can be reactivated in the adult visual system to promote precise reconnection after optic nerve damage.

The student will combine mouse genetics, optic nerve injury/regeneration paradigms, molecular and cellular approaches, advanced microscopy and quantitative analysis of retinal ganglion cell axons.

The project connects developmental neurobiology with regenerative neuroscience to uncover principles for rebuilding injured CNS circuits with specificity.



What We Value

- MSc (or equivalent) in Neuroscience, Biochemistry, Biology, Biomedicine, Biotechnology or a related field
- Strong motivation for developmental and regenerative neuroscience
- Experience with mouse models, histology, microscopy or image analysis is an advantage, but not essential
- Curiosity, rigor, teamwork and good English communication skills

What We Offer

- 4-years FPI predoctoral contract
- Training in a multidisciplinary, international, dynamic & highly stimulating neuroscience environment.
- Access to cutting-edge technologies and advanced research facilities

To Apply

Please send:

CV • short motivation letter • contact details of 1–2 referees

Subject: FPI-ReVis

The Institute

The Instituto de Neurociencias is a Severo Ochoa Centre of Excellence, jointly run by the Spanish National Research Council (CSIC) and Universidad Miguel Hernández, and one of Spain's leading neuroscience institutes.

APPLICATION DEADLINE: September 31, 2026

Contact: Eloísa Herrera | e.herrera@umh.es

Predocoral contract conditions and formal eligibility will follow the official FPI call.

