



Predocctoral Position in Retinal Physiology and Therapeutics

[The University of Barcelona \(UB\)](#) offers a vacant position for a **Predocctoral contract (FPI)** within the Department of Physiological Sciences at the Bellvitge Campus, School of Medicine and Health Sciences of the [Institute of Neurosciences \(UBneuro\)](#).

Principal Investigator: [Ana Méndez Zunzunegui](#)

JOB DESCRIPTION

The selected candidate will develop his/her PhD thesis on the physiology and biochemistry of the retina, focusing on basic research and the design and testing of innovative therapeutic strategies for retinitis pigmentosa. The research will involve biochemical, morphological, and physiological analyses in mouse models and/or bovine retinas to advance the understanding of retinal function in different light environments and to develop novel therapeutic strategies for inherited blindness.

REQUIREMENTS

Essential

- Bachelor's and Master's degrees in Health Sciences (Biology, Biochemistry, Biotechnology, Pharmacy, Genetics, etc.) and motivation for biomedical research.

Desirable

- Training course and experience in animal handling for research purposes.
- Proficiency in English.

EMPLOYMENT CONDITIONS

Full-time 4-year predoctoral contract

HOW TO APPLY

Firstly, Interested candidates should send their CV and academic records via email to Ana Méndez Zunzunegui at mendezzu@ub.edu with the subject "FPI Contract."

DEADLINE

Applications must be submitted between September 4 and September 15.

FUNDING

This position is funded under the FPI program (Training for Research Personnel) associated with the project "From deciphering novel mechanisms of retinal adaptation to light to developing and testing novel therapies for retinitis pigmentosa [NEW-RET-THER]" led by Ana Méndez Zunzunegui.



ABOUT UBneuro

The Institute of Neurosciences (UBneuro) was created under the premise to gather all research at the University of Barcelona that focused on a common goal: understanding the nervous system as a whole to give response to society challenges. Being one of the few institutes in the world that investigates the brain at every level, we're established as a frontrunner in international neuroscience research. Recognized with the prestigious María de Maeztu Excellence Unit accreditation, we house diverse research groups in neurobiology, neuropharmacology, pathophysiology, neurology, psychiatry, clinical psychology, neuropsychobiology, and cognitive neurosciences. Join us as we contribute to cutting-edge discoveries in neuroscience.

Additional information about the research group: <https://idibell.cat/es/investigacion/area-de-neurociencias/programa-de-neurociencias/bases-celulares-y-moleculares-de-los-trastornos-sensoriales/>