



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

REQUIREMENTS

Essential

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

Desirable

- Experience in animal handling for research purposes.
- Proficiency in English.

EMPLOYMENT CONDITIONS

Full-time predoctoral contract

Duration of 4 years

Starting date: Autumn 2024

HOW TO APPLY

Interested candidates should send their CV 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/>