



PhD position in the Vision and Control of Action Group at the University of Barcelona

[The University of Barcelona \(UB\)](#) offers a vacant position for a **PhD Position** within the **Vision and Control of Action** research group of the [Institute of Neurosciences \(UBneuro\)](#).

Principal Investigator: [Joan López-Moliner](#)

JOB DESCRIPTION

Applications are invited for one full-time pre-doctoral position in the Vision and Control of Action Group at the University of Barcelona to undertake a PhD thesis under the supervision of Prof. Joan López-Moliner. The project, "Measuring visual precision in optic flow with eye movements," aims to understand how humans recover visual information from optic flow to control actions like navigation and interception, using eye movements, modeling, and virtual reality.

REQUIREMENTS

- Background in psychophysics, experimental psychology, cognitive neuroscience, or a similar field
- Strong programming skills, particularly in R and Python
- High motivation and academic excellence
- Ability to work with eye movements, modelling/artificial neural networks, and virtual reality

EMPLOYMENT CONDITIONS

Full-time position for 4 years

Starting date: Early 2025 (approx.)

Salary: Minimum 24,600 euros/year (first year); 30,200 euros/year (second to fourth year), as dictated by the Ministry of Science, Innovation and Universities/AEI. The fellowship is part of the FPI program linked to a Ministry of Science, Innovation and Universities/AEI project led by Joan López-Moliner.

HOW TO APPLY

Interested candidates should send an expression of interest (or any enquiries about the position) to j.lopezmoliner@ub.edu. Please include the following documents:

- A brief CV
- A cover letter describing your research interests
- Contact information for two academic references
- A sample of previous scientific experience (master's thesis or other scientific outputs, if available)

Applications will be submitted through a UB webpage that will be available from September 9 to 27, 2024.

DEADLINE

Applications must be submitted between September 9 and 27, 2024.

FUNDING

The position is funded under the Ministry of Science, Innovation and Universities/AEI project (PID2023-150081NB-I00/AEI/10.13039/501100011033) led by Prof. Joan López-Moliner, with financial support for four years as part of the FPI program.



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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.