

Predoctoral position (R1) in Experimental Stroke and Advanced Neuroimaging

We are recruiting a motivated candidate (Predoctoral researcher, PhD candidate) at the Achucarro Basque Center for Neuroscience. The successful candidate will investigate the biological mechanisms underlying the hyperacute phase of ischemic stroke using state-of-the-art experimental models of stroke and advanced neuroimaging technologies, including two-photon microscopy, fiber photometry, in vivo electrophysiology, non-invasive multimodal imaging such as MRI and PET and cellular biology approaches.

The position is expected to start in January 2027.

SUMMARY INFORMATION

Profile for this position

The successful candidate will join a multidisciplinary and highly collaborative environment within the Neuroimaging and Biomarkers of Inflammation Laboratory and will receive training in advanced experimental neuroscience and neuroimaging techniques under the supervision of the Principal Investigator of the project, Dr. Abraham Martín. The project will investigate neuronal activity, neurovascular dysfunction, and the early biological events occurring during the hyperacute phase of ischemic stroke.

Contract

We offer a 4-year predoctoral contract as part of the project PID2025-174046OB-I00, "In Vivo Imaging of Hyperacute Events Following Ischemic Stroke", funded by MICIU/AEI/10.13039/501100011033 and FSE+.



Eligibility

- Bachelor's and Master's degree in Biology, Biochemistry, Pharmacy, Biotechnology, or a related Life Sciences discipline.
- Strong academic record.
- Previous laboratory experience.
- Strong interest in neuroscience, biomedical imaging, and translational research.
- Ability to work in an international and multidisciplinary environment.
- Good command of written and spoken English.
- Previous experience in experimental neuroscience, animal models, or neuroimaging will be considered an advantage, although training in all project-specific techniques will be provided.

Application deadline: 30 September 2026

Expected contract starting date: 01 January 2027

HOW TO APPLY

Candidates should send a cover letter stating their interest in the position and their CV (including the degree's academic record) to Dr. Abraham Martín at Abraham.Martin@achucarro.org.