



**OFFER PREDOCTORAL POSITION**

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The Institute of Biophysics (IBF) is a joint research centre of the University of the Basque Country (UPV/EHU) and the Spanish National Research Council (CSIC). In collaboration with Fundación Biofísica Bizkaia (FBB), the centre advances knowledge on the physical and chemical processes underlying biology and disease. With FBB accredited as a Basque Excellence Research Centre (BERC) by the Basque Government, the IBF–FBB partnership enjoys a strong national and international reputation and provides outstanding shared facilities for advanced biophysical and structural biology research in a new building on the main UPV/EHU Leioa campus.

**Position and Project Description**

We are offering a Predoctoral researcher position in the Cell Membrane Organization and Dynamics laboratory at the IBF (Leioa), under the supervision of Dr. Adai Colom.

The project explores the mechanisms of membrane repair, with a specific focus on ESCRT-mediated processes. The researcher will drive experimental efforts to understand the mechano-molecular basis of membrane restoration under environmental and contaminant-induced stress conditions..

The work employs advanced biophysical approaches, including Fast-scan AFM and optical microscopy, utilizing both in-vitro and in-vivo systems. The position is embedded in an interdisciplinary environment, bridging membrane biophysics and mechanobiology.

**Required Background and Qualifications**

- Master's degree in Life Sciences, Biochemistry and Molecular Biology, Biology, Biotechnology, Physics, Biophysics or related fields
- Strong written and oral communication skills in English are valued.
- Hands-on experience with AFM, optical microscopy, or in vitro reconstituted membrane systems is valued.

**Benefits Of Joining Biofisika Institute**

- International research environment with diverse backgrounds
- Access to state-of-the-art facilities in super-resolution and force microscopy
- Strong interdisciplinary collaboration across research areas
- Opportunities for professional development (workshops, seminars, conferences)
- Integration in a collaborative project between two specialized laboratories.

**Application Process**

Applications should be sent by email to Dr. Adai Colom (adai.colom@ehu.eus), indicating the subject: [Job Application\_148: Postdoc Membrane Repair].

**Applications should include a single PDF file with:**

- Curriculum Vitae
- Motivation letter, including a brief statement of research interests
- Contact details of 2 referees

**Deadline:** 20.05.2026

Applications are reviewed upon arrival, so early submission is encouraged.