OFFER_ PREDOCTORAL POSITION

Publication date: 06-05-2026

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 to join a collaborative project between the Cell and Tissue Mechanobiology group and the Cell Membrane Organisation and Dynamics laboratory at the IBF (Leioa), under the supervision of Dr. Adai Colom and Dr. Ion Andreu.

The project investigates how external physical and chemical stressors disrupt the structural integrity of the nuclear envelope. The researcher will drive experimental efforts to unravel the mechanobiology of the nuclear membrane under environmental stress.

The work integrates advanced biophysical approaches, including Fast-scan AFM and super-resolution optical microscopy, utilizing both in-vitro and in-vivo models. This position is embedded in a collaborative environment that bridges mechanobiology and membrane biophysics across two specialized research groups.

Required Background and Qualifications

- Highly qualified applicants with a PhD in Biophysics, Physics, Engineering or a related field.
- 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, including workshops, seminars, and 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) and Dr. Ion Andreu (ion.andreu@ehu.eus), indicating the subject: [Job Application 147: 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.