



Fundación Biofísica Bizkaia
Biofísica Bizkaia Fundazioa

FUNDACIÓN BIOFÍSICA BIZKAIA / BIOFISIKA BIZKAIA FUNDAZIOA

OFFER – Postdoctoral Position in “Protein lipid interactions: Structural approach combining neutron scattering and microscopy”

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

Offer and description of the project

A postdoctoral position is available at Instituto Biofísica Basque Centre for Biophysics under the supervision of Prof. Marité Cárdenas (<https://biofísica.org>). The position is fully funded and has a duration of 2 years. The open postdoc position will focus on further studying the mechanism of interactions between a bacterial toxin and cellular membrane. It is expected that the postdoc will be involved additionally in 1 or 2 other projects run by the group and specially for the PhD students in the group. Surface neutron scattering techniques will be key to this postdoc position as well as fluorescence microscopy, AFM and single particle CryoEM.

Required background

Applicants must have a PhD degree in Physical Chemistry or Biophysics. Expertise in neutron scattering, neutron reflection is needed. Experience in fluorescence microscopy or CryoEM and have hands on experience in lipid-protein mixtures is required. Applicants should have a good academic record, good communication skills, a strong passion and commitment to science, and work well within a group. Knowledge of written and spoken English is also needed.

We are an equal opportunity employer committed to diversity. Applications should be addressed through the Biofísica website contact page (<http://biofísica.org/contact/>), adding the following subject: [Job Application: 107_Postdoc MCardenas 2023]. It is recommended that applications are made as soon as possible as they will be considered upon arrival. Applications in a single pdf file must include:

1. Cover letter highlighting their interest in the position and the main research achievements.
2. Curriculum vitae clearly stating the degree and master final qualifications as well as list of publications.
3. Copies of PhD, master and bachelor diplomas.
4. Any relevant publication (up to 2)
5. Name and contact address (e-mail) of two academic referees

Incomplete applications will not be considered.

Deadline: March 1, 2023