


Company Description

The Basque Centre for Biophysics is a Joint Research Centre of the University of the Basque Country (UPV/EHU) and the Spanish National Research Council (CSIC). The centre focuses on fundamental and translational biophysics research and offers a highly collaborative culture. Accredited as a Basque Excellence Research Centre (BERC), the institute provides outstanding shared facilities for advanced biophysical and structural biology approaches, including a state-of-the-art ThermoFisher's Titan Krios G4 cryoelectron microscope, in a new research building in the main Leioa campus of the University of the Basque Country. We seek outstanding and highly-talented applicants to carry out a PhD thesis in structural biology in the laboratory of Dr. Iban Ubarretxena at the Basque Centre for Biophysics www.biofisika.org at Bilbao.

Information

 Deadline: 2021-06-02
 Category: Academia
 Province: Bizkaia

 Country: Basque Country
 City: Leioa

Company

Basque Centre for Biophysics



Main functions, requisites & benefits

Main functions

The successful applicant will engage in high-quality research leading to a PhD degree from the Molecular Biology and Biomedicine PhD program at the University of the Basque Country (UPV/EHU). The applicant will be funded with internal funds for an initial period of up to two years during which he/she is expected to secure a full PhD fellowship. The laboratory employs high-resolution cryo-electron microscopy (cryo-EM), in combination with functional experiments, to uncover the structure and mechanism of action of macromolecular protein complexes involved in human disease. The goal of our research is to open new therapeutic avenues by understanding the role of these protein complexes in pathogenesis. The student will participate in multidisciplinary projects and will be trained in protein biochemistry and cryo-EM. For recent publications from the laboratory see: Nature Commun. 2020 10:2699, Nat Struct Mol Biol. 2020 10:913, Nature Struct. Mol. Biol. 2019 26:955, Cell Res. 2019 29:313.

Requisites

A Master's Degree in Biochemistry, Molecular Biology, Biotechnology, Chemistry, Physics, Biomedicine or related disciplines. Good communication skills in English. Previous research experience will be appreciated.

