

## FUNDACIÓN BIOFÍSICA BIZKAIA/ BIOFISIKA BIZKAIA FUNDAZIOA

### Postdoctoral Position in Structural Biology of DNA-Binding Complexes

**Deadline: March 31<sup>st</sup>, 2025**

We offer a **Postdoctoral Position** at the Structural Biology of Genomic Macromolecular Complexes lab, led by Dr. **Guillermo Abascal Palacios** at **Instituto Biofisika (UPV/EHU-CSIC, Leioa)**. The maximum duration of the contract will be until June 2026. This contract is supported by CNS2023-144408, funded by MICIU/AEI /10.13039/501100011033 and by the “European Union NextGenerationEU/PRTR”.

#### Research Focus

The [Structural Biology of Genomic Macromolecular Complexes](#) laboratory focuses on the study of protein complexes that interact with DNA/RNA, with the aim of determining the molecular mechanisms responsible for their function. To achieve this goal, we carry out a combined process that includes protein cloning and expression techniques, purification using chromatographic tools and their subsequent analysis using biophysical and structural biology methods such as cryo-electron microscopy (**Cryo-EM**) or X-ray crystallography.

The researcher will participate in a project aimed at understanding the relevance of mobile genetic elements in the development of amyotrophic lateral sclerosis (ALS) and other human pathologies. Instituto Biofisika (IBF) has a wide variety of technical and scientific equipment, which will be at the disposal of the researcher, including the first Titan Krios G4 cryo-electron microscope in Spain, which allows the determination of atomic structures at an unprecedented level.



#### Required background

The ideal candidate must hold an official **PhD in Biology, Biochemistry, Biotechnology** or similar fields. We seek highly qualified applicants with proven experience in structural biology techniques, cloning strategies, protein expression and purification and *in vitro* characterization methods. Fluent written and oral communication in English will be highly valued.

#### Application Details

We are an equal opportunity employer committed to diversity. Please, **apply via the Biofisika website, including “Job Application: 130\_GAbascal”** in the subject line. Interested candidates should send a single pdf file including:

- An updated Curriculum Vitae.
- A Cover letter describing their research interest and relevant experience.
- Contact information of two professional references.

It is recommended that applications are made as soon as possible as they will be considered upon arrival.