

OFFER – Advanced Research Assistant

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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

We invite highly motivated candidates to apply for an immediately available Research Assistant position in the laboratory of Dr. Ion Andreu at the Basque Centre for Biophysics (IBF; www.biofisika.org) in Leioa, Spain. We offer a 3-year fixed term contract in the first instance with competitive salary.

The successful candidate will work on molecular biology to be applied in 2D and 3D mammalian cell culture. The key responsibilities will be to generate CRISPR based stable cell lines to tag endogenous proteins, point mutations, deletions. Also, to design and generate molecular tools. And finally, to perform all the molecular biology techniques required in the lab.

We are interested on understanding how mechanical forces regulate cellular decision-making in processes such as malignancy, invasion or development. We aim to unravel mechano-molecular mechanisms in different contexts. We embrace multidisciplinary, working with molecular and cellular biology, from single cells to 3D organoids or tissue slices, in combination with high resolution microscopes and biophysical techniques.

Required background

We seek highly qualified applicants with PhD in Biology, biotechnology or similar, and Proficiency in molecular biology:

- *Plasmid design*
- *Cloning*
- *RT-qPCR*

We will positively evaluate knowledge on DNA Software, library design and analysis.

Proficiency in mammalian cell lines culture and manipulation CRISPR gene editing and stable cell line generation

RNA FISH

Proficiency in English

We are an equal opportunity employer committed to diversity. Applications should be addressed through the Biofisika website contact page (<http://biofisika.org/contact/>), adding the following subject: [Job Application: ***111_Research Assistant***]. 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:

- Curriculum Vitae.
- A motivation letter.

Deadline: September 29, 2023