

## **OFFER – PhD Candidate**

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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 are looking for highly-motivated candidates to apply for PhD fellowships to pursue a doctoral thesis in the group of Dr. Dmitry Sinelshchikov at Instituto Biofísica (CSIC-UPV/EHU).

The research will focus on the development novel mathematical models in biophysics and methods for their investigation. Possible specific topics include but not limited to mathematical modelling of cavitation processes with applications to biomedicine, mathematical modelling of wound healing and mathematical modeling of neural systems. There is also an opportunity to develop and apply analytical and numerical methods for studying dynamical systems.

### **Required background**

We seek outstanding and highly-talented applicants with a passion for a research career in physical or/and life sciences. Applicants should hold a Bachelor degree in Mathematics, Applied Mathematics, Physics or related fields, and they should either hold or be in the process of completing a Master degree in the one of the above mentioned areas. An outstanding academic track record is crucial to compete successfully in PhD fellowship applications. Proficiency in English is also a significant requirement.

We are an equal opportunity employer committed to diversity. Applications should be addressed through the Biofísica website contact page (<http://biofisika.org/contact/>), adding the following subject: [Job Application: *117\_PhD\_DmitryS*]. 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: January 15, 2024**