



Fundación Biofísica Bizkaia
Biofisika Bizkaia Fundazioa



FUNDACIÓN BIOFÍSICA BIZKAIA / BIOFISIKA BIZKAIA FUNDAZIOA

OFFER – PhD Student position
Publication date: October 9, 2020

Fundación Biofísica Bizkaia (FBB) is a center of excellence on an international level with the main aim of promoting a multidisciplinary program in the field of Biophysics and its application in the areas of Biotechnology and Health, focusing all its resources in Instituto Biofisika Institutua (UPV/EHU, CSIC).

Description of the project and position offered

The project in general aims at establishing a quantitative framework for the Systems Biology of Cell Metabolism based on techniques of Statistical Mechanics, that is one line of research of the theoretical/protocell group led Prof. KR Mirazo at IBF/FBB.

In particular the successful candidate will work on quantitative modeling metabolic fluxes of the central carbon core of *S. Cerevisiae* with the Jaynes' maximum entropy method [1] under the supervision of Dr D.De Martino.

He/she will make use of state-of-the art flux measurements recently performed by Dr. De Martino in collaboration with the molecular system biology lab at the University of Groningen (NL)[2].

[1] D. De Martino et al., Nature communications 9.1 (2018): 1-9

[2] J. Saldida et al., BiorXiv (2020), doi: <https://doi.org/10.1101/2020.06.29.177063>

The position will be fully funded for 1 year and the researcher will be strongly supported in his/her applications for a full PhD fellowship.

Education and Experience Required

We are looking for students with a Master degree in a STEM subject (Science, Technology, Engineering and Math).

Good communication skills in English and previous experience with the biological research environment will be appreciated.

Contact: Applicants are encouraged to send the next documentation through the Biofisika website contact page (<http://biofisika.org/contact/>), adding the following subject: [**Job Application: 70DDMartinoPhD**]

1. Curriculum Vitae
2. Reference letters (if possible)

Deadline: November 20, 2020

* Please note that due to the large number of applicants expected, it will not be possible to communicate the evaluation results to all the candidates.