

## EURAXESS

# Research Student Fellowship (BI - Bachelor) - QCDRidge

[View \(/jobs/121724\)](/jobs/121724)[Edit \(/node/121724/edit\)](/node/121724/edit)[Delete \(/node/121724/delete\)](/node/121724/delete)[★ Add to Favorites](#)

27 Jun 2023

## Job Information

Organisation/Company	LIP - Laboratório de Instrumentação e Física Experimental de Partículas
Department	LISBON
Research Field	Physics
Researcher Profile	First Stage Researcher (R1)
Country	Portugal
Application Deadline	12 Jul 2023 - 05:00 (Europe/Lisbon)
Type of Contract	Temporary
Job Status	Full-time
Hours Per Week	35
Offer Starting Date	17 Jul 2023
Is the job funded through the EU Research Framework Programme?	Not funded by an EU programme
Reference Number	EXPL/FIS-PAR/1195/2021
Is the Job related to staff position within a Research Infrastructure?	No

## Offer Description

LIP opens a call for selection of fellows for one Research Student Fellowships (BI – Bachelor) for participation in the project “The strong force and multiparticle dynamics at hadron colliders”, reference EXPL/FIS-PAR/1195/2021, funded by FCT/MCTES through national funds (State Budget – OE).

## Work plan:

The scholarship is intended to carry out scientific research work focused on the development of Machine Learning algorithms for applications in High Energy Physics. The project will be carried out at LIP-Minho, in the framework of the Phenomenology Group and the Simulation and Big-Data Competence Centre. The work will focus on recent advances in anomaly detection using machine learning in the context of researching rare phenomena in particle colliders. The work will be developed under the scientific supervision of Prof. Nuno Castro.

## Legislation:

The fellowship contract will be established according to the “Regulations for Research Grants of the Foundation for Science and Technology” (<https://files.dre.pt/2s/2019/12/24100000/0009100105.pdf>) and to the [Status of Scientific Research Fellow](#) (Law n° 40/2004, August 18th, and its successive amendments).

**Duration:** The fellowship has a duration of 3 months, with a foreseen starting date on 17th July, 2023. The fellowship cannot be renewed.

Applicants should submit: a motivation letter and a curriculum vitae (both in English), bachelor certificate and a including the list of classifications obtained in the different curricular units, and other relevant documents, as a PDF file, by email to [ofelia@lip.pt](mailto:ofelia@lip.pt) and [natalia@lip.pt](mailto:natalia@lip.pt)

## Requirements

<b>Research Field</b>	Physics
<b>Education Level</b>	Bachelor Degree or equivalent

### Skills/Qualifications

Candidates should have a background in particle physics and experience in classical machine learning. Experience in Python and development of machine learning projects in the context of particle physics will be valued.

<b>Languages</b>	ENGLISH
<b>Level</b>	Excellent

<b>Research Field</b>	Physics
<b>Years of Research Experience</b>	1 - 4

## Additional Information

### Benefits

The monthly amount of € 930,98 is in accordance with the values stipulated in the “FCT Regulation for Research Studentships and Fellowships”:

[https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM\\_2023.pdf](https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM_2023.pdf)

This amount will be paid on a monthly basis through a bank transfer to the grant holder's bank account.

### Eligibility criteria

Applicants should fulfill the requirements to join a course granting a higher academic degree (Master) or in a non-academic degree course, as stipulated in the “Regulations for Research Grants of the Foundation for Science and Technology” (Article 6).

When contracting, the candidates will need to present a proof of enrollment in the course, in the conditions above described.

In the event of the degree was awarded by a foreign higher education institution, the degree must comply with the provisions of the Decree-Law n°. 66/2018, of 16 august (<https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition?plid=1...>). The selected candidate must provide the recognition of the degree when signing the contract.

### Selection process

**Evaluation:** The members of the jury will take into consideration the CV (50%) and the required field adequation (50%). If none of the candidates fulfills the appropriate profile, the scholarship will not be awarded.

### Jury Members:

- Doutora Liliana Apolinário, LIP
- Doutor Grigorios Chachamis, LIP
- Prof. Nuno Castro, LIP – Univ. Minho

### Advertising / notification of results:

The results of the evaluation will be communicated by email; in case of disagreement, the candidates have a period of 10 working days to contest the decision, as provided for in the Code of Administrative Procedure in a preliminary hearing. At the end of this period, the arguments presented will be analysed by the jury committee, who will simultaneously communicate the final decision to all the candidates who submitted allegations. The final results of the shortlisted applicants will be communicated by e-mail. In case of disagreement, the candidates have a period of 15 working days to contest the decision.

## Additional comments

**Non-discrimination and equal access policy:** LIP actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

Website for additional job details

<https://www.lip.pt/?section=about&page=recruitment>

## Work Location(s)

Number of offers available	1
Company/Institute	LIP/Minho
Country	Portugal
State/Province	Braga
City	Braga
Postal Code	4710-057
Street	Campus Gualtar, CP3 3.02

## Where to apply

E-mail [ofelia@lip.pt](mailto:ofelia@lip.pt)

## Contact

City	LISBON
Website	<a href="http://www.lip.pt">http://www.lip.pt</a>
Street	Av. Prof. Gama Pinto, n° 2
Postal Code	1649-003
E-Mail	<a href="mailto:natalia@lip.pt">natalia@lip.pt</a>