

Research Student Fellowship (BI - Bachelor) - SpaceRad group

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14/02/2023

Job Information

Organisation/Company	LIP - Laboratório de Instrumentação e Física Experimental de Partículas
Department	LISBON
Research Field	Physics » Other
Researcher Profile	First Stage Researcher (R1)
Country	Portugal
Application Deadline	27/02/2023 - 17:00 (Europe/Lisbon)
Type of Contract	Temporary
Job Status	Full-time
Hours Per Week	35
Offer Starting Date	1/3/2023
Is the job funded through the EU Research Framework Programme?	Not funded by an EU programme
Reference Number	ESA RFP/3-17559/22/ES/JD
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 a LIP project associated to the contract with the European Space Agency with the title “Expert support to BERM (BepiColombo Environment Radiation Monitor) & RADEM units on board BepiColombo and JUICE spacecraft”.

Work plan:

The work plan will be carried out in the context of the activities of the Space Radiation environment and Effects (SpaceRad) group at LIP, in particular

- in the review of the calibration of the BERM, radiation monitor aboard the BepiColombo mission launched in 2018, and in the analysis of its flight data.

The selected candidate will perform Monte-Carlo simulations of the detector setups, review detector calibration data for both detectors, define and update the detector response functions, prepare the in-flight data analyses of RADEM data and perform first analyses of in-flight BERM data.

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/2019/12/241000000/0009100105.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 6 months, with a foreseen starting date on March 1st, 2023. The fellowship may eventually be renewed, until the maximum foreseen in the project and according to the terms of the FCT regulations.

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 and natalia@lip.pt

Requirements

Research Field	Physics
Education Level	Bachelor Degree or equivalent
Skills/Qualifications	Demonstrable knowledge on Experimental Particle Physics (introductory level). Competence in programming in C++, and knowledge of GEANT4.
Languages	ENGLISH
Level	Excellent
Research Field	Physics
Years of Research Experience	1 - 4

Additional Information

Benefits

The monthly amount of € 875,98 is in accordance with the values stipulated in the “FCT Regulation for Research Studentships and Fellowships”:

https://former.fct.pt/apoios/bolsas/docs/Tabela_de_Valores_SMM_2022.pdf

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

Other components, such as installation or travel support, if applicable, will be paid according to the same rules.

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.º 66/2018, of 16 august (<https://www.dges.gov.pt/en/pagina/degrec-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 scholarships will not be awarded.

Jury Members:

- Doutora Patrícia Gonçalves, LIP/IST
- Doutor Pedro Assis, LIP/IST
- Doutora Luísa Arruda, LIP

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 nondiscrimination 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
Country	Portugal
State/Province	Lisbon
City	Lisbon
Postal Code	1649-003
Street	Av. Prof. Gama Pinto, nº 2

Where to apply

E-mail ofelia@lip.pt

Contact

City	LISBON
Street	Av. Prof. Gama Pinto, nº 2
Postal Code	1649-003
E-Mail	natalia@lip.pt

