



Portugal
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RESEARCH FELLOWSHIP (BI-Mestre)

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3 May 2024

Job Information

Organisation/Company	LIP - Laboratório de Instrumentação e Física Experimental de Partículas
Department	Coimbra
Research Field	Physics » Applied physics
Researcher Profile	First Stage Researcher (R1)
Country	Portugal
Application Deadline	17 May 2024 - 17:00 (Europe/Lisbon)
Type of Contract	Other
Job Status	Full-time
Hours Per Week	35
Offer Starting Date	1 Jun 2024
Is the job funded through the EU Research Framework Programme?	Not funded by an EU programme
Reference Number	Prodex PEA No. 4000141332
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 Fellowship (BI-Mestre) for participation in the project "THOR-SR - TGF and High-energy astrophysics Observatory for gamma-Rays on board the Space Rider" funded by the PRODEX Programme of the European Space Agency.

Work plan:

THOR-SR is a high-energy astrophysics pathfinder mission whose scientific payload is based on CdTe and Si detectors to be launched on board the Space Rider.

It will address gamma-ray astrophysics, space weather and TGF monitoring, by performing spectroscopy, imaging, time variability and polarimetry.

It is a large field of view instrument (up to 2π sr) provided by a 4 layers CdTe stack detector, operating in the 0.1–10 MeV energy band.

The work to be performed by the technician in the frame of THOR mission include the following tasks: i) design and build of a Power Distribution Unit (PDU) to feed the scientific instrument and the onboard computer subsystems; ii) performed PDU operational and environmental tests iii) design and build of two PDU test prototypes (balloon and EM).

Scientific orientation: Rui Curado da Silva

Legislation:

A fellowship contract will be established according to the Status of Scientific Research Fellow (Law n° 40/2004 de 18 de Agosto, and its successive amendments) and to the "Regulations for Research Grants of the Foundation for Science and Technology" (<https://dre.pt/application/conteudo/127238533>).

Duration:

The fellowship has a duration of **12 months**, eventually renewable until the end of the project, with a foreseen starting date on June 1st, 2024.

Application:

Applicants should submit a curriculum vitae, diploma and a list and grades of university courses and other relevant documents, for the evaluation to be

Requirements

Research Field	Physics
Education Level	Master Degree or equivalent

Skills/Qualifications**Requirements:**

The candidate must have a master degree in Physics or Physical Engineering and must be enrolled in a course granting a higher academic degree (PhD) or in a non-academic degree course as mentioned in "Regulations for Research Grants of the Foundation for Science and Technology".

Preference criteria:

A good level of knowledge operating radiation detectors and its respective electronics.

The candidate must provide a clear demonstration of the ability to carry out a research program.

Fluent in English.

Languages	ENGLISH
Level	Good

Research Field	Physics » Applied physics
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Additional Information

Benefits

The monthly amount of **1.259,64**, is in accordance with the values stipulated in the "FCT Regulation for Research Studentships and Fellowships":

https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.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 fulfil the requirements to join a course granting a higher academic degree (PhD) 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, it will also be necessary the candidate present a proof of enrollment in the course granting or not, a higher academic degree.

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/degree-and-diploma-recognition?plid=1536>). The selected candidate must provide the recognition of the degree when signing the contract.

Selection process

Applicants should submit:

- Motivation letter
- Detailed curriculum vitae
- Bachelor / Master diplomas
- List and grades of university courses
- Certificate of enrollment
- Other relevant documents for the evaluation

as .pdf files to bolsas@coimbra.iip.pt, referring the job offer ID in the email subject.

Evaluation:

The members of the jury will take into consideration the CV (50%) and its relevance to project needs (50%).

If none of the candidates fulfills the appropriate profile, the scholarship will not be awarded.

Members of the Jury:**Effective**

- Rui Curado da Silva
- Patricia Gonçalves
- Ricardo Gonçalo

Alternates

- Maria Isabel Lopes
- Luis Margato

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

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 - Coimbra
Country	Portugal
State/Province	Coimbra
City	Coimbra
Postal Code	3004-516
Street	Departamento de Física da Universidade de Coimbra, Rua Larga, 3004-516, Coimbra

Where to apply

E-mail bolsas@coimbra.lip.pt

Contact

City	Coimbra
Website	http://www.lip.pt
Street	Departamento de Física da Universidade de Coimbra, Rua Larga
Postal Code	3004-516
E-Mail	seclip@coimbra.lip.pt
Phone	+351 239 833 465