

Job offer

JOB PORTUGAL

LIP - Laboratório de Instrumentação e Física Experimental de Partículas | Posted on: 21 February 2025

Research Fellowship (BI – Master) - SPAC group

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21 Feb 2025

Job Information

Organisation/Company	LIP - Laboratório de Instrumentação e Física Experimental de Partículas
Department	LISBON
Research Field	Computer science
Researcher Profile	First Stage Researcher (R1)
Positions	Master Positions
Country	Portugal
Application Deadline	7 Mar 2025 - 17:00 (Europe/Lisbon)
Type of Contract	Other
Type of Contract Extra Information	Research Fellowship
Job Status	Full-time
Hours Per Week	35
Offer Starting Date	24 Mar 2025
Is the job funded through the EU Research Framework Programme?	European Union / Next Generation EU
Reference Number	2024.07331.IACDC
Is the Job related to staff position within a Research Infrastructure?	No

Offer Description

The Laboratory of instrumentation and Experimental Particle Physics (LIP) is opening a selection tender for one Research Student Fellowship (BI – Master) for research activities in the scientific subject of Computational Sciences, Data Science, and Artificial Intelligence applied to health, in the framework of the project “HealthDisrupt: A public health tool to monitor the impact of disruptive events in nationwide health diagnoses” (2024.07331.IACDC), financed by the PRR, within the scope of the investment “RE-C05-i08 - More Digital Science”, measure “RE-C05-i08. m03 - Support a program of R&D projects for development and implementation of advanced cybersecurity, artificial intelligence and data science systems in public administration, as well as a scientific capacitation program”, within the scope of the agreement between the Recover Portugal Mission Structure and the Foundation for Science and Technology (FCT, I.P.), as an intermediary beneficiary.

The recruited candidate will integrate a project focused on data analysis to support decision making in public health, joining a multidisciplinary and diverse research team in a collegial and collaborative environment.

The candidate should have an educational background in Engineering, Applied Mathematics, Statistics Biology, Computational Biology or similar.

Workplan:

The chosen candidate will participate in tasks 2 and 3 of the project, performing the following work:

1. Regional analysis of the incidence of disease in the country and look for potential underlying causes of regional differences;
2. Construct a model for the baseline prescription patterns per region and test the baseline model against known historical deviations
3. Together with the rest of the team, implement the regional baseline model in the tool to be presented to the public administration

The research project will be conducted at LIP under the scientific supervision of Dra. Lília Perfeito.

Legislation: A fellowship contract will be established according to the LIP/FCT Regulations for Research Grants and to the Status of Scientific Research Fellow (Law nº 40/2004, August 18th, and its successive amendments).

<https://files.diariodarepublica.pt/2s/2019/12/241000000/0009100105.pdf> 

<https://web.lip.pt/files/Regulamento-Bolsas-Investigacao-BI-LIP.pdf> 

Duration: The fellowship has a duration of 6 months, with a foreseen starting date in 24 March 2025. The fellowship may eventually be renewed, until the maximum foreseen in the project and according to the terms of the LIP/FCT regulations.

Candidates can apply by sending the following documentation, in English:

- Motivation letter (1 page maximum)
- Curriculum Vitae detailing the skills and qualifications described in this advertisement
- Certificate or diploma copy, including recognition of foreign diploma, if applicable
- Contacts of 2 references
- Other documents the candidate considers relevant for their application

Applications should be sent as pdf files to natalia@lip.pt, vanda@lip.pt

Where to apply

E-mail natalia@lip.pt

Requirements

Research Field Computer science

Education Level Master Degree or equivalent

Skills/Qualifications

Research fields: Computation, Data Science, Artificial Intelligence.

The ideal candidate should also have:

- Experience using programming languages such as Python and R, and data analysis software (e.g., MatLab, Mathematica, GIS, PostgreSQL, Microsoft Power BI).
- Relevant academic background, with a Master's degree, preferably in Engineering, Mathematics, Statistics, Data Science, Information Management, or related fields.
- Proven experience in using data and modelling in health, epidemiology, and/or public health.
- Strong communication and collaboration skills in multidisciplinary and international environments.

The candidate must be fluent in English and Portuguese and be able to use both in a professional setting (equivalent to level C2).

Specific Requirements

The candidate should have previous experience (at least 1 year) working on data analysis and the development of machine learning algorithms, preferably applied to health.


Languages ENGLISH

Level	Excellent
Languages	PORTUGUESE
Level	Excellent
Research Field	Computer science
Years of Research Experience	1 - 4

Additional Information

Benefits

The monthly amount of 1309.64€ is in accordance with the values stipulated in the “FCT Regulation for Research Studentships and Fellowships”:

https://www.fct.pt/wp-content/uploads/2025/02/Tabela_valores_SMM_2025.pdf 

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

Eligibility criteria

Any national, foreign, or stateless candidates who hold an academic or professional curriculum whose profile is suited for the activity to be performed can submit their applications.

All candidates who formalize their applications in an improper way or fail to prove the requirements imposed by this tender are excluded from admission. In case of doubt, the panel is entitled to request any candidate to present further documentation supporting his/her statements. False statements provided by the candidates shall be punished by law.

In the event the degree was awarded by a foreign higher education institution, the degree must comply with the provisions of Decree-Law no. 341/2007 of 12th October by the application deadline.

Selection process

The tender selection panel shall be formed by:

- Doctor Lília Perfeito (LIP)
- Prof. Joana Gonçalves de Sá (LIP)
- Prof. Nuno Castro (LIP)
- Paulo Almeida (LIP) (substitute)

Evaluation criteria are the following:

Evaluation of the CV of the candidates, namely their educational background and past experience.

Each member of the panel will value the criteria for each candidate, taking into account the requirements of the duties to be performed, the adequacy of previous experience, his/her relationship to the relevant areas and sub-areas.

The selection will consider the applicant's Curriculum Vitae (60%) and their motivation letter (40%).

High-ranking candidates might be called for an interview, and the final decision will be based on the interview score alone.

After applying the selection criteria, the panel will prepare an ordered list of the approved candidates and their corresponding classification. In case none of the candidates can demonstrate suitable skills or background, the panel will not select any candidate.

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 - Laboratório de Instrumentação e Física Experimental de Partículas
Country	Portugal
State/Province	LISBON

City LISBON

Geofield



Contact

City LISBON

Website <http://www.lip.pt>

Street Av. Prof. Gama Pinto, nº 2

Postal Code 1649-003

E-Mail natalia@lip.pt
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