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Job offer

JOB PORTUGAL

[Faculdade de Farmácia da Universidade de Lisboa](#) | Posted on: 13 December 2024

Call for the award of 1 (one) Research Fellowship for Masters enrolled in a non-degree course - Notice no. BI/11/FF/2024

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13 Dec 2024

Job Information

Organisation/Company

Faculty of Pharmacy of the University of Lisbon

Research Field	Chemistry » Computational chemistry Chemistry » Other Chemistry » Biochemistry Other
Researcher Profile	First Stage Researcher (R1)
Positions	Master Positions
Country	Portugal
Application Deadline	2 Jan 2025 - 23:59 (Europe/Lisbon)
Type of Contract	Temporary
Job Status	Full-time
Offer Starting Date	16 Dec 2024
Is the job funded through the EU Research Framework Programme?	Horizon Europe
Reference Number	HORIZON-INFRA-2023-DEV-01 – 101132028
Is the Job related to staff position within a Research Infrastructure?	No

Offer Description

It is made known that a call for the award of **1 (one) Research Fellowship for Masters enrolled in a non-degree seeking course** within the scope of the project “**IMProving User experience, Long-term sustainability and Services of EU-OPENSREEN**” (HORIZON-INFRA-2023-DEV-01 – 101132028), funded by the European Commission through the Horizon Europe Programme under the Grant Agreement no. 101132028, is open under the following conditions:

Scientific Area: Chemical Biology

Research Grant Duration: The research grant will have a duration of **12 months non-renewable**, starting in January 2025, on an exclusivity regime. The scholarship contract may not be renewed for additional periods, as stipulated in paragraph a) of section 4 of article 5 of the University of Lisbon Research Scholarships Regulation (Dispatch No. 6238/2020).

Work Plan: The work is part of a European project (IMPULSE) whose main goal is to build capacity in the EU-OPENSREEN research infrastructure. A webserver will be created to predict modes of action of small molecules using multimodal learning. The postdoctoral researcher will be responsible for implementing the multimodal deep learning tool for mode of action prediction using publicly available data and/or data generated by partners.

Workplace and Scientific Guidance: The work will be carried out at research premises in the Faculty of Pharmacy, University of Lisbon, under the supervision of Dr. Tiago Correia de Oliveira Rodrigues, PhD, Assistant Professor, FFUL.

Formalization of applications: Applications must be sent in non-editable format (PDF), to the email concursos@ff.ulisboa.pt, containing the identification of the above-mentioned notice.

Applications in paper format will not be accepted.

Application deadline: The deadline for applications is from **16th December 2024 to 2nd January, 2025 (10 working days)**.

Where to apply

Website <https://www.ff.ulisboa.pt/categoria/faculdade/recursos-humanos/reclutamento/#fu...>

Requirements

Research Field Chemistry » Computational chemistry

Education Level Master Degree or equivalent

Research Field Chemistry » Other

Education Level Master Degree or equivalent

Research Field Chemistry » Biochemistry

Education Level Master Degree or equivalent

Research Field Other

Education Level Master Degree or equivalent

Skills/Qualifications

Admission Requirements:

- Master's or Integrated Master's degree in Computational Chemistry, Cheminformatics, Biostatistics, Physics, Data Science, or related areas¹;
- Be enrolled in a non-degree course integrated into the educational project of ULisboa or one of its schools, developed in association or cooperation with one or more R&D units².

1 All higher education degrees and diplomas awarded by foreign higher education institutions need to be recognised by a Portuguese Institution in accordance with Decree-Law no. 66/2018, of 16 August. The presentation of the recognition is mandatory for signing the contact. For further information, please visit [Degree and Diploma Recognition | DGES](#).

2 During the application stage, if the candidates do not have in their possession the documents proving their enrolment in a non-degree course, it may be substituted by a declaration of honour. Proof of registration through the presentation of the certificated must be carried out until the hiring, under penalty of annulment of the candidate's assessment due to error on the assumptions of fact, and consequent exclusion from this competition.

Specific Requirements

Requirements:

- Programming in Python, particularly the development of deep learning models, based on graphics and images for Chemical and Biological applications;
- Motivation to work on an interdisciplinary project with multiple partners;
- Excellent scientific communication skills;
- Motivation for continuous learning.

Languages ENGLISH

Level Excellent

Languages PORTUGUESE

Level Good

Additional Information

Benefits

Monthly maintenance stipend: The monthly maintenance allowance (fellowship) corresponds to **1.259,64€** and will be paid by bank transfer. The amounts set out in the Regulation of Research Grants of the University of Lisbon are allocated and altered in accordance with the annual alteration of maintenance grants made by the FCT, I.P.

In addition to the monthly maintenance stipend the grant holder will also be awarded with the value correspondent to the payment of the first step of *Seguro Social Voluntário* (voluntary payment of Social Security), in case he/she chooses to be included in this regime.

Eligibility criteria

Instruction of Application:

1. Application form containing the candidate's identification (*available on the institutional website*);
2. *Curriculum Vitae* containing the information necessary for the evaluation of the application;
3. Certificate proving ownership of Master's or Integrated Master's degree in Computational Chemistry, Cheminformatics, Biostatistics, Physics, Data Science, or related areas;
4. Document proving the enrolment in a non-degree course integrated into the educational project of ULisboa or one of its Schools, developed in association or cooperation with one or more R&D units, (*available on the institutional website*);
5. Declaration of honour stating that there is no professional activity that violates the exclusivity regime (*available on the institutional website*);
6. Motivation Letter;
7. Three-page summary of the work previously done by the candidate with focus on deep learning for chemical biology applications;
8. Other relevant supporting documents.

All the documents necessary for the submission of the application are available on the institutional website, through the *link*: <https://www.ff.ulisboa.pt/faculdade/recursos-humanos/bolsa-de-investigacao-projeto-impulse/>

The documents that instruct the application must be submitted in Portuguese or English language.

No document that should have been submitted in the application phase can be submitted after the deadline set in the opening notice. Failure to comply with the deadline set for the submission of the application, as well as the lack or late submission of documents referred to in this point will determine the exclusion from the competition.

Selection process

Evaluation and rating criteria:

The selection of candidates will be made according to weighted merit criteria as detailed below. Only candidates who obtain more than 80% in the evaluation will be considered eligible for an Interview.

Candidate's Merit: Aims to assess compliance with the formal requirements requested in the opening notice, but also to consider the suitability of the scientific area of training and/or specialization, training and professional experience.

Adequacy of the Scientific Training Area (AACF): With a maximum weighting of 30%.

- Master's or Integrated Master's in Computational Chemistry, Cheminformatics, Biostatistics, Physics, Data Science, or related areas (**MsC**) – 0 to 20 values

Training and Experience (FE): With a maximum weighting of 40%.

- Experience in programming in Python, particularly the development of deep learning models based on graphics and images (**EXP**) – 0 to 20 values

Specific competencies for the proposed work plan (CEPTP): With a maximum weighting of 30%.

- Demonstration of practical knowledge in the use of deep learning in Biological Chemistry (CDLQB) – 0 to 20 values

An Interview will be held for the candidates who obtain more than 80% in the Curriculum Evaluation. The Interview will last a maximum of 30 minutes and aims to objectively and systematically evaluate the following criteria:

- Quality of the professional experience;
- Ability to communicate;
- Motivation;
- Critical reasoning;
- Knowledge in the area of deep learning.

The ranking of the selection interview will be obtained through the simple arithmetic mean of the ratings base on the following parameters: Excellent (20 values), Very Good (18 values), Good (16 values), Sufficient (12 values) and Insufficient (8 values).

Final classification: The score obtained in the final classification results from the sum of the points obtained in the Candidate's Merit (50%) and the Interview (50%). An individual form will be filled for each candidate. Candidates with a final grade lower than 14 points will not be deemed eligible.

The Jury responsible for the selection of the candidates will be constituted by:

- President – Tiago Correia de Oliveira Rodrigues, PhD, Associate Professor, FFUL;
- 1st Member of the Jury – Rui Ferreira Alves Moreira, PhD, Full Professor, FFUL;
- 2nd Member of the Jury – Pedro Miguel Pimenta Góis, PhD, Associate Professor with Habilitation, FFUL.

Additional comments

Form of notification of results: All candidates will be notified of the final results of the evaluation by email and will have 10 working days after the aforementioned notification to make a statement, in accordance with the Code of Administrative Procedure.

After this notification, and in case there are no claims, the results will become final. In case of claims, and after the allegation is analyzed and accepted or rejected, the results will become final after 10 working days.

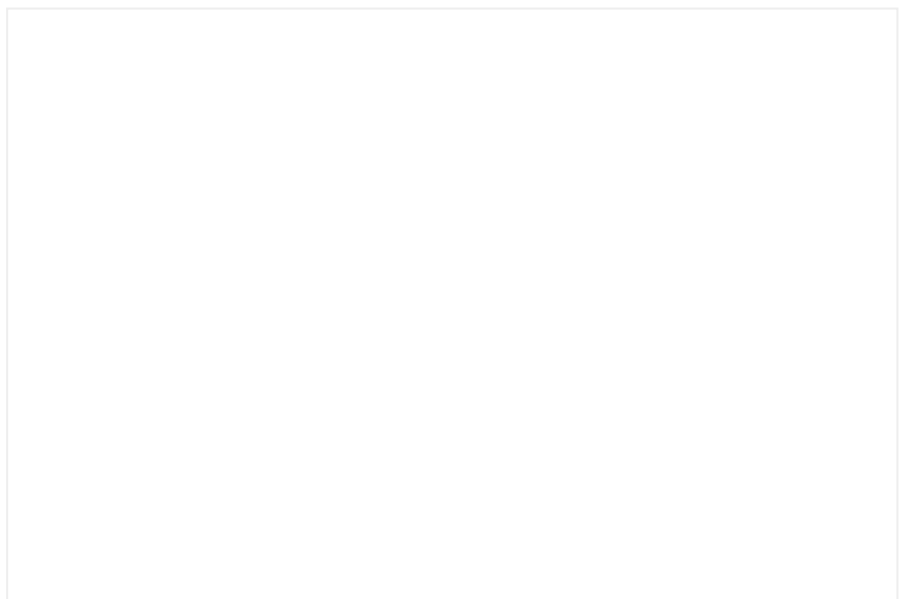
After the final decision is made, a complaint/appeal can be filed to the Director of the Faculty of Pharmacy of the University of Lisbon, Maria Beatriz da Silva Lima, PhD, Full Professor, within 10 working days from the date of notification.

Applicable legislation and regulations: Regulation of Research Grants of the University of Lisbon, Order no. 6238/2020, published in *Diário da República*, 2nd Series, no. 113, of 12 June, republished by Order no. 8061/2022, published in *Diário da República*, 2nd Series, no. 126, of 1 July, and Research Fellowship Statute (EBI), Decree-Law no. 123/2019, published in *Diário da República*, 1st Series, no. 164, of 28 August.

Website for additional job details <https://www.ff.ulisboa.pt/faculdade/recursos-humanos/bolsa-de-investigacao-proj...>

Work Location(s)

Number of offers available	1
Company/Institute	Faculty of Pharmacy of the University of Lisbon
Country	Portugal
State/Province	Lisbon
City	Lisbon
Postal Code	1649-003
Street	Avenida Professor Gama Pinto, s/n
Geofield	



Contact

State/Province	Lisbon
City	Lisbon
Website	https://www.ff.ulisboa.pt/
Street	Avenida Professor Gama Pinto
Postal Code	1649-003
E-Mail	concursos@ff.ulisboa.pt

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