

Faculty of Pharmacy of the University of Lisbon
Call for the award of 1 (one) Research Fellowship for Master's Degree Holders enrolled in a non-degree course

Notice no. BI/9/FF/2025

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

I. Scientific Area: Chemical Biology

II. 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 contract. 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.

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.

III. Research Grant Duration: The research grant will have a duration of **6 months**, starting in September 2025, on an exclusivity regime. The scholarship contract may be renewed for additional periods, **up to a maximum of 12 months**, as stipulated in paragraph a) of section 4 of article 5 of the University of Lisbon Research Scholarships Regulation (Dispatch No. 6238/2020), or until the project is completed (whichever occurs first).

- IV. Work Plan:** The work is part of a European project (IMPULSE) whose main goal is to build capacity in the EU-OPENSOURCE research infrastructure. A webserver will be created to predict modes of action of small molecules using multimodal learning. The 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.
- V. 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, Associate Professor, FFUL.
- VI. Monthly maintenance stipend:** The monthly maintenance allowance (scholarship) corresponds to 1.309,64€ (one thousand, three hundred and nine euros and sixty-four cents) and will be paid by bank transfer. The amounts set out in the Regulation of Research Grants of the University of Lisbon are awarded and adjusted in accordance with the annual revision of maintenance allowances carried out by 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.
- VII. 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.
- VIII. Application deadline:** The deadline for applications is from **16 July to 05 August 2025 (15 working days)**.

IX. Evaluation and rating criteria:

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 20%.

- Master's or Integrated Master's degree 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 30%.

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

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

- Demonstrated practical knowledge of applying deep learning in Biological Chemistry (**CDLQB**) – 0 to 20 values

An Interview will be conducted with candidate who obtain a score equal to or greater than 70% in the combined evaluation of AACF, FE and CEPTP. The Interview aims to objectively assess the demonstration of knowledge (CON) and is weighted at a maximum of 20% in the final classification.

Final classification: The final score will result from the sum of the points obtained in the Candidate's Merit (80%) and the Interviews (20%). An individual evaluation form will be filled for each candidate.

X. Instruction of Application:

- a. Application form containing the candidate's identification (*available on the institutional website*);
- b. *Curriculum Vitae* containing the information necessary for the evaluation of the application;
- c. Certificate proving the award of a Master's or Integrated Master's degree in Computational Chemistry, Cheminformatics, Biostatistics, Physics, Data Science, or related areas;
- d. Proof of 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, or declaration of honour (*available on the institutional website*);
- e. Declaration of honour stating that there is no professional activity or provision of services that violates the exclusivity regime (*available on the institutional website*);
- f. Motivation Letter;
- g. Three-page summary of the work previously done by the candidate with focus on deep learning for chemical biology applications;
- h. 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/recrutamento/bolsa-de-investigacao-para-mestres-projeto-horizon-infra-2023-dev-01>.

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.

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

President – Rui Ferreira Alves Moreira, PhD, Full Professor, FFUL;

1st Member of the Jury – Francisca da Conceição Lopes, PhD, Associate Professor with Habilitation, FFUL;

2nd Member of the Jury – Tiago Correia de Oliveira Rodrigues, PhD, Associate Professor, FFUL;

1st Alternate Member of the Jury – Pedro Miguel Pimenta Góis, PhD, Associate Professor with Habilitation, FFUL.

2nd Alternate Member of the Jury – Rafael Filipe Teixeira Arbuez Gomes, PhD, Assistant Professor, FFUL.

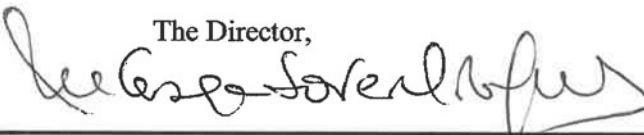
XII. Form of notification of results: All candidates will be notified of the final results of the evaluation by email and will have 10 working days after the aforementioned notification to make a statement, in accordance with the Code of Administrative Procedure.

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 da Graça Tavares Rebelo de Soveral Rodrigues, PhD, Full Professor, within 10 working days from the date of notification.

XIII. 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.

Faculty of Pharmacy of the University of Lisbon, 15th July 2025.

The Director,


Prof.ª Doutora Maria da Graça Tavares Rebelo de Soveral Rodrigues