

**Faculty of Pharmacy of the University of Lisbon**  
**Call for the award of 1 (one) Research Fellowship for Masters enrolled in a non-degree course**

**Notice no. BI/4/FF/2025**

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:

**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 areas<sup>1</sup>;
- 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 units<sup>2</sup>.

<sup>1</sup> 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](#).

<sup>2</sup> 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 **12 months**, starting in March/April 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).

**IV. 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.

**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 (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.

**VII. Formalization of applications:** Applications must be sent in non-editable format (PDF), to the email [concursos@ff.ulisboa.pt](mailto: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 **17<sup>th</sup> to 28<sup>th</sup> February 2025 (10 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 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

**Final classification:** The score obtained in the final classification results from the sum of the points obtained in the Candidate's Merit. An individual 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 ownership of Master's or Integrated Master's degree in Computational Chemistry, Cheminformatics, Biostatistics, Physics, Data Science, or related areas;
- d. 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, or declaration of honour (*available on the institutional website*);
- e. Declaration of honour stating that there is no professional activity 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-inscritos-num-curso-nao-conferente-de-grau-academico-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.

#### 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;

1<sup>st</sup> Member of the Jury – Pedro Miguel Pimenta Góis, PhD, Associate Professor with Habilitation, FFUL.

2<sup>nd</sup> Member of the Jury – Francisca da Conceição Lopes, PhD, Associate Professor with Habilitation, FFUL;

1<sup>st</sup> 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.

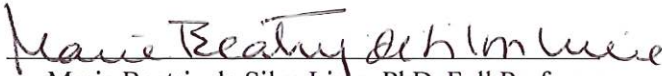
After this notification, and in case there are no claims, the results will become final. In case of claims, and after the allegation is analyzed and accepted or rejected, the results will become final after 10 working days.

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 Beatriz da Silva Lima, 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*, 2<sup>nd</sup> Series, no. 113, of 12 June, republished by Order no. 8061/2022, published in *Diário da República*, 2<sup>nd</sup> Series, no. 126, of 1 July, and Research Fellowship Statute (EBI), Decree-Law no. 123/2019, published in *Diário da República*, 1<sup>st</sup> Series, no. 164, of 28 August.

Faculty of Pharmacy of the University of Lisbon, 14th February 2025.

The Director,



Maria Beatriz da Silva Lima, PhD, Full Professor