



Associação da Faculdade de Farmácia
para a Investigação e Desenvolvimento

**Faculty of Pharmacy Research and Development Association
Call for the award of a Research Grant (Bolsa de Investigação)**

Notice No. BI/9/FARM-ID/2022

Under the Regulation of Research Grants of the Foundation for Science and Technology, IP, Regulation No. 950/2019, published in *Diário da República*, 2nd Series, No. 241, of December 16, 2019, of the Regulation of Research Grants of the University of Lisbon, Dispatch No. 6238/2020, of 12 June, published in *Diário da República*, 2nd Series, no. 113, of 12 June 2020, and of the Statute of the Research Fellowship (EBI), Decree-Law no. 123/2019, of 28 August, published in the *Diário da República*, 1st Series, no. 164, of 28 August 2019, it is made known that a call for the award of **2 (two) Research Grants** within the scope of the project **EXPL/QUI-OUT/1288/2021**, titled: **“ChemSlotProtein: Expanding the druggable universe to unlock chemists’ creativity”**, funded by Fundação para a Ciência e a Tecnologia, I.P. is open under the following conditions:

I. Scientific Area: Chemistry, Cheminformatics, Health Sciences, Pharmacy

II. Admission Requirements:

- Bachelor’s degree in Chemistry, Pharmaceutical Sciences, Computer Science or related areas;
- Being enrolled in a Master's or Integrated Master's degree (*)

(*) At the application stage, if the candidates do not have in their possession the document proving enrollment, registration and attendance at a Master’s degree or Integrated Master’s program, it may be replaced by a declaration of honor commitment.

If enrollment in a Master's or Integrated Master's course is not proven, this will imply the cancellation of the candidate's evaluation and, consequently, the exclusion from the present contest due to error on assumptions of the facts.

Preferred Requirements:

- Motivation;
- Experience;
- Proficiency in English (spoken and written).

III. Research Grants Duration: The research will have a duration of **9 months non-renewable**, starting in September 2022, on an exclusivity regime, in accordance with the terms of the Regulation of Research Grants of the Foundation for Science and Technology, IP.

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IV. Work plan: Drug discovery is currently heavily biased towards well-studied targets for which druggability has been established and even though 12k human proteins are implicated in disease processes only about 15% are associated with active compounds. Therefore, the human proteome is underexplored and this is the main obstacle that hinders the discovery of new therapies. To address this problem, the student will contribute to an ongoing project where we are interested in discovering common and diverging characteristics between well-studied pockets and poorly-studied protein pockets. To achieve this the student will carry out an exploration of all the proteome with the goal of finding interesting new proteins that can be proposed as new promising drug discovery targets.

The student will integrate a small team of young researchers, and the work carried out by him/her will be a part of a larger research project, funded by FCT, aimed at creating a workflow/tool to enable the exploration of the full human proteome.

Using medicinal chemistry, computational chemistry, chem- and bioinformatics tools, the student will analyze the structural characteristics of different proteins related to cancer and neurodegenerative diseases, and this will be paired with biological assays to validate the pharmaceutical interest of a new target.

V. Workplace and Scientific Guidance: The work will be carried out in iMed.Ulisboa, at the premises of the Faculty of Pharmacy of Universidade de Lisboa, under the scientific guidance of Rita Alexandra do Nascimento Cardoso Guedes, Associated Professor, and Natália Luísa de Moura Aniceto, Junior Researcher, both from FFUL, and at LASIGE – Computer, Science and Engineering Research Centre, at the premises of the Faculty of Sciences of Universidade de Lisboa, and the scientific guidance of André Falcão, *Associated Professor*, at the Faculty of Sciences of Universidade de Lisboa.

VI. Monthly maintenance stipend: The monthly maintenance stipend (grant) corresponds to **875,98€**, according to the table of values directly attributed by FCT, I.P. in Portugal (<https://www.fct.pt/apoios/bolsas/valores>). Payment will be made via bank transfer.

In addition to the monthly maintenance stipend, the grant holder will also be awarded with the value corresponding 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 address concursos@farm-id.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 July 25th to August 22nd 2022 (20 working days).

IX. Evaluation and rating criteria:

Candidate's Merit:

- **Adequacy of the Scientific Training Area (AACF):** Candidates will be ranked based on their background and scientific area, with a maximum weighting of 20%;
 - Adequacy of the Bachelor's area (**AAL**) - 0 to 20 values
 - Adequacy of the Master's area (**AAM**) - 0 to 20 values
- **Education and Experience (FE):** Candidates will be ranked based on their Curriculum vitae, with a maximum weighting of 50%;
 - Final classification of the Bachelor's degree (**CFL**) – 0 to 20 values
 - Classification of relevant curricular units for the competition area (**CUC**) – 0 to 20 values
- **Specific skills for the proposed work plan (CEPTP):** Candidates will be ranked based on their motivation letter and adequacy, with a maximum weighting of 30%.

Individual Interview:

If necessary, an individual interview will be carried out with the 4 best candidates, with a weighting of 30% and a maximum duration of 30 minutes, in order to objectively and systematically evaluate the following criteria:

- Knowledge in the Area;
- Ability to Expression and Verbal Fluency;
- Motivation;
- Critical Sense.

The score of the individual interview will be obtained by the simple arithmetic mean of the classification criteria, which will be done according to the following parameters: **High** (20 values), **Good** (16 values), **Sufficient** (12 values), **Low** (8 values) and **Insufficient** (4 values), by filling out an individual form for each candidate.

Final Classification: The score obtained in the final classification results from the sum of the points obtained in the Candidate's Merit, in which an individual form will be filled for each candidate. If the individual interview takes place, AACF will be worth 10%, FE will be worth 40%, CEPTP will be worth 20%, and the interview will have a weight of 30%.

Instruction of Application:

- a) Form containing the candidate's identification (available on the FARM-ID's website);
- b) Curriculum Vitae containing the information necessary for the evaluation of the application;
- c) Certificate of the Bachelor's degree in Chemistry, Pharmaceutical Sciences, Computer Science or related areas;
- d) Proof of enrolment in a Master's or Integrated Master's, or declaration of honour commitment;
- e) Certificate of achievement in curricular units and final average;
- f) Letter of motivation;
- g) Declaration of honour stating that there is no professional activity that violates the exclusivity regime (*available on the FARM-ID's website*);
- h) Other documents considered relevant to the grant

All the documents necessary for the correct application are available on the institutional website through the link: <https://www.ff.ulisboa.pt/faculdade/recursos-hmanos/recrutamento/bolsadeinvestigacao-expl-qui-out-1288-2021>.

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.

- X. Composition of the Jury:** The Jury responsible for the selection will be constituted by:
- President – Rita Alexandra do Nascimento Cardoso Guedes, Associated Professor, Faculty of Pharmacy of Universidade de Lisboa;
 - 1st Member of the Jury – Natália Luisa de Moura Aniceto, Junior Researcher, Faculty of Pharmacy of Universidade de Lisboa;
 - 2nd Member of the Jury – André Osório e Cruz de Azerêdo Falcão, Associated Professor, Faculty of Sciences of Universidade de Lisboa;
 - 1st Alternate Member of the Jury – Helena Isabel Fialho Florindo Roque Ferreira, Associated Professor with Habilitation, Faculty of Pharmacy of Universidade de Lisboa;
- XI. 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 say something, in accordance with the terms of the Code of Administrative Procedure.

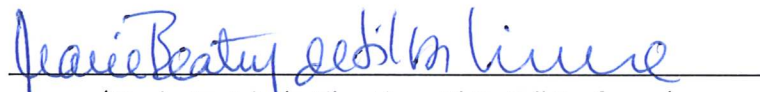
After this notification, and in case there are no claims, the results will become final. In case of claims, and after the allegation is analysed and accepted or rejected, the results will become final after 10 business days.

After the final decision is made, a complaint/appeal can be filed to the Director of the FARM-ID – Faculty of Pharmacy Research and Development Association, Maria Beatriz da Silva Lima, PhD, Full Professor, within 10 working days from the date of notification.

- XII. Applicable legislation and regulations:** Regulation of Research Grants of the Foundation for Science and Technology, I.P. (FCT, IP), Regulation no. 950/2019, published in the Diário da República, 2nd Series, no. 241, of December 16, 2019, of the Regulation of Research Grants of the University of Lisbon, Order no. 6238/2020, of 12 June, published in the Diário da República, 2nd Series, no. 113, of 12 June 2020, and of the Research Fellowship Statute (EBI), Decree-Law no. 123/2019, of 28 August, published in Diário da República, 1st Series, no. 164, of 28 August 2019.

Faculty of Pharmacy Research and Development Association, 22nd of July 2022.

The Director,


(Maria Beatriz da Silva Lima, PhD, Full Professor)

