

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

**Notice No. BIPD/5/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 **1 (one) Research Grant** within the scope of the project **HR21-00605, "BREAST-BRAIN-N-BBB"**, funded by La Caixa Foundation, is open under the following conditions:

**I. Scientific Area:** Pharmaceutical Sciences, Medicine, Biomedicine, Immunology, Oncology, Cell Biology, Biochemistry, or related areas

**II. Admission Requirements:**

- PhD in Pharmaceutical Sciences, Medicine, Biomedicine, Immunology, Oncology, Cell Biology, Biochemistry, or related areas;
- Have obtained the Doctoral degree in the 3 years prior to the date of submission of the application;
- Have developed the research work that led to the award of the Doctor's degree in an institution other than the Faculty of Pharmacy, University of Lisbon.

**Preferred Requirements:** Experience in molecular biology, protein engineering, cell culture, flow cytometry, eukaryotic cell biology, use of laboratory animals, protein biophysics, bioinformatics.

**III. Research Grant Duration:** The research will have a duration of **12 months, eventually renewable up to a maximum of 3 (three) years**, starting in July, on an exclusivity regime, in accordance with the terms of the Regulation of Research Grants of the Foundation for Science and Technology, IP.

**IV. Work plan:** The objective of the work consists in developing a new anticancer approach that addresses the hurdles of chemoresistance, cancer stem cells presence, and metastization in the brain. The goal is to develop a biological drug to treat breast cancer in situ while both preventing and treating metastasis in the brain. To achieve this goal we will develop an animal model of breast cancer metastasis in the brain. Specifically, we will (i) develop a therapeutic antibodies and minibodies targeted at cancer stem cells and breast cancer cells, (ii) engineer the minibody for both translocation of the BBB and improved anticancer activity by delivering toxic payloads.

**V. Workplace and Scientific Guidance:** The work will be carried out in the Research Institute for Medicines (iMed.Ulisboa), at the premises of the Faculty of Pharmacy of the University of Lisbon, under the scientific guidance of Professor João Manuel Braz Gonçalves, Full Professor in the Department of Pharmacy, Pharmacology and Health Technologies at the Faculty of Pharmacy of the University of Lisbon.

- VI. Monthly maintenance stipend:** The monthly maintenance stipend (grant) corresponds to **1.686,00€**, 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 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 address [concursos@farm-id.pt](mailto: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 **May 18<sup>th</sup> to May 31<sup>st</sup> 2022 (10 working days)**.

**IX. Evaluation and rating criteria:**

**Candidate's Merit:** It aims to evaluate the compliance with the formal requirements demanded in the opening notice, but also to consider the adequacy of the scientific training area and/or specialization, training and professional experience.

- **Adequacy of the Scientific Training Area (AACF):** Maximum weighting of 20%
  - PhD in Pharmaceutical Sciences, Medicine, Biomedicine, Immunology, Oncology, Cell Biology, Biochemistry, Virology, or related areas (**DOUT**) – 0 to 20 values
- **Formation and Experience (FE):** Maximum weighting of 50%
  - Specialization in Immunology, Oncology and Biotechnology, Applied and Biochemical Chemistry (**ESP**) – 0 to 20 values
  - Experience in studies with animal models and evaluation of *invitro immune response* (**EXPERARIIV**) – 0 to 20 values
- **Specific skills for the proposed work plan (CEPTP):** Maximum weighting of 30%
  - Experience in molecular biology, protein engineering, cell culture, flow cytometry, eukaryotic cell biology, use of laboratory animals, protein biophysics, bioinformatics, (**EXPENG**) - 0 to 20 values.

In case it proves necessary will be held an individual interview to candidates, and in this case will not be scored or have weight in the Final Classification, and will serve only for any clarification of the information provided.

**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.

**X. Instruction of Application:**

- a) Application 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) Copy of the Doctoral Certificate (if awarded by a Portuguese Higher Education Institution) or copy of the certificate of recognition of the Doctoral Degree by a Portuguese Public Higher Education Institution or by DGES – Directorate General for Higher Education (if the degree was awarded by a foreign University), or declaration on honour;
- d) Declaration on honour stating that there is no professional activity that violates the exclusivity regime (available on the FARM-ID's website);
- e) Letter of motivation;
- f) Contact of two references;
- g) Other supporting documents considered relevant.

All documents necessary for the correct application are available on the institutional website through the *link*:

<https://www.ff.ulisboa.pt/faculdade/recursos-humanos/recrutamento/bolsainvestigacaodoutoral-hr21-00605>.

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 will be constituted by the President, Professor João Manuel Braz Gonçalves, Full Professor, and the jury members, Professor Helena Isabel Fialho Florindo Roque Ferreira, Associate Professor with Aggregation, and Professor Rui Eduardo Mota Castro, Assistant Professor.

**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 say something, in accordance with the terms of the Code of Administrative Procedure.

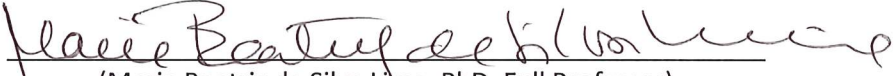
After this notification, and in case there are no claims, the results will become final. In case of claims, and after the allegation is analysed and accepted or rejected, the results will become final after 10 business days.

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.

**XIII. 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, 17<sup>th</sup> May 2022.

The Director,

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