

**CALL FOR APPLICATIONS FOR ONE A RESEARCH GRANT (BI) UNDER THE PROJECT “DRopH2O - DRINKING WATER QUALITY: EARLY WARNING AND REMOVAL OF MICROPOLLUTANTS BY INNOVATIVE CARBON-BASED MATERIALS” (REF. 2022.08738.PTDC), AT THE FACULTY OF PHARMACY, UNIVERSITY OF PORTO**

The Faculty of Pharmacy of the University of Porto hereby opens this call for applications for a 1 (one) research studentship, for a student enrolled in a master or a degree's OR master's enrolled in a non-degree course, to carry out R&D activities within the scope of the project “Drinking water quality: early warning and removal of microcontaminants by innovative carbon-based materials \_” (Ref. **2022. 08738.PTDC** financed by national funds (PIDDAC) through FCT/MCTES, at the Department of \_Chemistry\_ of the Faculty of Pharmacy of Porto University, under the following conditions:

**1. Research area/s:** Pharmaceutical and Chemistry Sciences.

**2. Admission requirements:**

To apply for the research studentship, applicants must comply with the following requirements, for which documentary evidence must be provided:

- a) Bachelor's degree in chemistry or related scientific areas<sup>1</sup>;
- b) To be a student enrolled in a master in the area of Pharmaceutical Chemistry or be enrolled in a non-academic degree course integrated in the educational project of the institution developed in association or cooperation with one or several R&D units - this requirement must be proven at the time of contracting<sup>2</sup>;

**3. Preferred requirements:**

- a) Enrolled in a Master's degree in Pharmaceutical Chemistry or related field;
- b) Bachelor's degree average = or >12)
- c) Good level of English, written and spoken.

**4. Work Plan:**

4.1. The purpose of this contract is to perform the following tasks:

- a) To establish conditions for enantiomeric separation of environmental pollutants by liquid chromatography, namely fluorinated chiral antibiotics;

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<sup>1</sup> If the academic degree was awarded by a foreign higher education institution, it must be recognized by a Portuguese higher education institution, under the terms of article 25 of Decree-Law no. 66/2018, of August 16, which approves the legal framework for the recognition of academic degrees and higher education diplomas awarded by foreign higher education institutions, and article 4(2)(e) of Decree-Law no. 60/2018, of August 3, and any formalities set out therein must be fulfilled by the date of the act of hiring.

<sup>2</sup> Proof of registration must be submitted by the date of recruitment and applicants may attach a declaration on their honor that they meet the registration conditions for the purposes of their application.

- b) Synthesis of enantiomerically pure standards for the development and validation of enantioselective analytical methods for monitoring of drinking water.

4.2. When the academic degree or diploma is awarded during the term of the studentship contracts, the studentship may continue as long as the activities provided for in the work plan have not been completed and under the terms specifically provided for in the call for applications and in the contract, in accordance with Article 10(6) of the University of Porto's Research Studentship Regulation.

### **5. Applicable Legislation and Regulations:**

The call for applications and the respective award of the studentship are governed by the provisions of the University of Porto's Research Studentship Regulation - approved by Regulation no. 184/2021, published in *Diário da República*, 2.<sup>a</sup> Série, n. 43, 03<sup>rd</sup> March, hereinafter referred to as the Regulations no. 43, of 03<sup>rd</sup> March; the legal framework for the recognition of academic degrees and higher education diplomas awarded by foreign higher education institutions; the Code of Administrative Procedure (CPA), approved by Decree-Law no. 4/2015, of 7<sup>th</sup> January; the Research Fellow Statute (EBI), approved by Law no. 40/2004, of 18<sup>th</sup> August, in the current wording published by Decree-Law no. 123/2019, of 28<sup>th</sup> August and; other applicable rules.

### **6. Workplace:**

The work plan will be developed at the Faculty of Pharmacy Unit, Department of the Chemical Sciences, Organic and Pharmaceutical Chemistry Laboratory of the Faculty of Pharmacy of the University of Porto and/or other locations necessary for implementation, under the scientific supervision of Professor Doctor Maria Elizabeth Tiritan, at the Faculty of Pharmacy.

### **7. Duration:**

The studentship will have a duration of 6 months, on an exclusive dedication basis, and possibly renewable, following a positive evaluation, up to the limit of the period of execution of the work plan or funding, and may in no case have a duration of more than one year, when the scholarship has been awarded to bachelors or masters students enrolled in non-academic degree study programmes AND/OR two years, when the scholarship has been awarded to students enrolled in masters programmes, under the terms of no. 3 of article 10 of the Law on the Research and Technological Development.

### **8. Monthly maintenance allowance amount:**

8.1. The monthly maintenance allowance for the studentship is 1040,98 € in accordance with Annex I of the University of Porto's Research Studentship Regulation.

8.2. Payment will be made by Faculty of Pharmacy by bank transfer. In addition to this allowance, the studentship holder will be covered by personal accident insurance.

8.3. The studentship holder can join the Voluntary Social Insurance Scheme (valid for a studentship contract of six months or more), which is optional (not compulsory) and the reimbursement corresponds to the 1<sup>st</sup> step of the contribution base.

## 9. Evaluation methods:

9.1. The selection methods are as follows: curricular assessment (AC – abbreviation in Portuguese) with a weighting of 60% and, optionally, complemented by an interview (ENT – abbreviation in Portuguese) with a weighting of 40%, which will only take place when the Jury considers that the AC does not allow it to clarify, in the intended manner, the real competences of the candidates or to distinguish which candidate is best suited to the position and functions to be performed. If this is the case, the interview will be carried out with the 2 (two) candidates best classified in the AC.

9.2. Each member of the Jury will assess the selection methods on a scale of 0 to 20 points.

9.3. The criteria and weighting factors for the curricular assessment (AC) are:

- a) Knowledge in the area of organic chemistry (0 to 5 points);
- b) Experience in liquid chromatography (0 to 5 points);
- c) Knowledge in enantiomeric separation (0 to 5 points);
- d) Experience and familiarity with chiral compounds (0 to 5 points).

9.4. The candidates who have scored 15 points or less will be excluded from the AC stage.

9.5. The following are the criteria and weighting factors for the interview (ENT), should it be held:

- a) Motivation, availability and knowledge of the candidate in the work area (0 to 10 points);
- b) Demonstration of skills in the scientific area of the scholarship to be awarded (0 to 10 points).

9.6. The candidates may ask the President of the Jury to authorize their interview to be conducted by videoconference, stating the reasons for this.

9.7. Failure to attend the interview stage of the selection process is equivalent to withdrawing from the competition, and applicants will be excluded from the competition.

9.8. The Final Classification (CF - abbreviation in Portuguese) will be obtained by applying the following formula:  $CF = (0.6 * AC) + (0.4 * ENT)$ .

9.9. The candidates who score 15 points or less in the CF will be excluded from the competition.

9.10. This competition is intended exclusively to fill the vacancy indicated. In the event that no candidate demonstrates that they have the profile required to fulfil the work plan described above within the scope of this project, the Jury reserves the right not to award the position.

## 10. Selection panel:

Chair – Maria Elizabeth Tiritan Professor Auxiliar da Faculdade de Farmácia da Universidade do Porto;

1<sup>st</sup> effective member – Adrián Manuel Tavares da Silva Professor Associado da Faculdade de Engenharia da Universidade do Porto;

2<sup>nd</sup> effective member – Ana Rita Lado Ribeiro, Investigadora Principal da Faculdade de Engenharia da Universidade do Porto;

Substitute member – Alexandra Maia Professora Auxiliar no Instituto Universitário de Ciências da Saúde (IUCS) ;

Substitute member – Cláudia Maria Rosa Ribeiro Professora Auxiliar no Instituto Universitário de Ciências da Saúde (IUCS) .

## **11. Submission of applications:**

11.1. The candidates must be submitted by 14 of March , 2025 (5PM - Lisbon).

11.2. The candidates must be formalized using the online application submission system available on the FFUP website: [https://sigarra.up.pt/ffup/pt/CNT\\_CAND\\_GERAL.CONCURSOS\\_LIST](https://sigarra.up.pt/ffup/pt/CNT_CAND_GERAL.CONCURSOS_LIST) (Ref. 2025/5, n.º 84).

11.3. The application must be accompanied by documents proving the conditions set out in this Notice, namely:

- a) *Curriculum vitae*;
- b) Motivation letter, indicating availability to start the work plan;
- c) copy of the certificate(s) of the required qualifications and recognition of degree if obtained from a foreign higher education institution (this recognition may be submitted up until the time of hiring);
- d) Proof of enrollment in a study cycle or course that does not confer an academic degree or a declaration of commitment on honour attesting that the candidate meets the enrollment conditions and that the candidate will present proof of enrollment up until the time of hiring;
- e) Statement of eligibility (attached). The candidates may also attach any other documents they feel are relevant to assessing their merit.

11.5. Failure to comply with the application submission deadline, failure to submit or late submission of the documents referred to in points a) to e) of paragraph 11.3. will result in the application being excluded.

11.6. The documents can be attached to folders in a compressed format (zip, rar, 7z), but you must take into account the system's limit for uploading, which is set at a maximum of 720MB per compressed file or folder. Each application may submit several compressed files or folders, each with a limit of 720 MB, and the total number of compressed files/folders submitted is not limited.

11.7. Failure to submit, by the application deadline, the proof of recognition of the foreign degree or diploma (if applicable) mentioned in point 11.2 b) of this Notice, if the application is considered admissible, will imply that the jury will consider at the curricular assessment stage that the candidate has the minimum classification required to obtain the degree in Portugal, in accordance with the provisions of article 16.2 of Regulation no. 184/2021 of the University of Porto.

## **12. False declarations:**

False statements made by candidates will be penalized in accordance with the law.

## **13. Notification of results:**

13.1. Applicants will be notified of the minutes relating to the application assessment phase(s) sent to them by email, to the address they provide for this purpose, with a receipt of delivery.

13.2. Notifications are made by email, under the terms of articles 112(1)(c) and 113(5) of the CPA.

13.3. Under the terms of article 121 et seq. of the CPA, once notified, candidates have 10 working days to comment in writing.

**14. Booking list:**

A booking list will be drawn up on the basis of the final ranking list, which may be used in the event of the first-placed candidate withdrawing. The faculty's highest authority reserves the right to call the next candidate, and so on, until the vacancy is filled. This reserve list may be used for a maximum period of 12 months from the date of publication of this Notice.

**15. Policy of non-discrimination and equal access:**

The University of Porto actively promotes a policy of non-discrimination and equal access, so that no applicant may be privileged, benefited, disadvantaged or deprived of any right or exempted from any duty on the grounds of ancestry, age, sex, sexual orientation, marital status, family situation, economic situation, education, social origin or condition, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin, territory of origin, language, religion, political or ideological convictions and trade union membership.

### STATEMENT ELIGIBILITY

For the purposes of complying with the provisions of Article 10 of the University of Porto Research Studentship Regulation, I hereby declare that:

- I haven't signed any research studentship/s contract/s to date under the EBI;
- To date, I have signed the following research studentship/s contract/s under the EBI:

Type of studentship	Start Date	End Date	Contracting Authority

I also declare that I meet the eligibility conditions for this studentship, as required under the terms of the aforementioned regulation.

I hereby declare and sign this statement.

Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Signature \_\_\_\_\_