

## ANNOUNCEMENT FOR 1 RESEARCH SCHOLARSHIP, REF.: ESS/TBIO/BI/2024/01

A competition is open for 1 Research Scholarship for a Master's student enrolled in a Ph.D. program or a non-degree-granting course at the Center for Translational Health Research and Medical Biotechnology, under the following conditions:

### SCIENTIFIC AREA(s)

Health Biotechnology / Biochemistry

### ADMISSION REQUIREMENTS

General requirements:

- a) Master's students, at the time of the scholarship contract, enrolled in a Ph.D. program or a non-degree-granting course;
- b) Candidates may apply without prior enrollment in a Ph.D. program or a non-degree-granting course. However, the requirement of enrollment in a non-degree-granting course must be fulfilled at the time of the scholarship contract;
- c) For the scholarship contract, the selected candidate must present a valid proof of enrollment in a Ph.D. program or a non-degree-granting course issued by the respective academic services of the Higher Education Institution, indicating the current academic year or its duration (start and end).

Specific requirements:

- a) Academic background: Master's degree in Biochemistry (in Health) or related scientific areas;
- b) Not benefitting from a research scholarship for an accumulated period of 2 years, consecutively or interspersed;

Candidates who obtained their degree abroad must have their degree recognized in Portugal, and the conversion of their final classification to the Portuguese classification scale, in accordance with Decree-Law no. 66/2018, of August 16.

Preferential factors:

- a) Preference is given to candidates with experience and skills in:

Conducting activities in the context of a Health Biotechnology / Biochemistry / Molecular Biology laboratory;  
Knowledge acquired during academic training in: i) Pharmacology; ii) Neurodegenerative diseases; iii) execution, acquisition, and analysis of histological data (immunofluorescence-histochemistry); iv) microbiome; v) molecular biology (qRT-PCR); and vi) HPLC analysis techniques;

Immediate availability to start the scholarship (to be mentioned in the motivation letter);

Demonstration of proficiency in the English language.

## WORK PLAN

Collaborate on the work plan of the Center for Translational Health Research and Medical Biotechnology (TBIO), namely:

- a) Development and implementation of protocols for biomarker detection;
- b) Validation of potential biomarkers;
- c) Analysis of metabolite segregation levels in pathophysiological conditions;
- d) Preparation of scientific articles in the context of the work.

## APPLICABLE LEGISLATION AND REGULATION

Law no. 40/2004, of August 18, amended by Decree-Law no. 202/2012, of August 27, by Decree-Law no. 233/2012, of October 29, by Law no. 12/2013, of January 29, by Decree-Law no. 89/2013, of July 9, and by Decree-Law no. 123/2019, of August 28.

Regulation of Research Scholarships of P.PORTO (P.PORTO/P-001/2020), approved by Dispatch P.PORTO-P-015-2020.

Regulation of Research Scholarships of FCT, I. P., no. 950/2019, of December 16, and amended by Regulation no. 643/2021, published in the 2nd series of the Diário da República no. 135, of July 14.

## SCIENTIFIC GUIDANCE AND WORKPLACE

The work will be carried out at the Center for Translational Health Research and Medical Biotechnology (TBIO) of ESS|P.PORTO, under the scientific guidance of Professor Mónica Almeida Vieira (supervisor), Professor Pedro Vieira Coelho (co-supervisor), and Dr. Fábio Gabriel Teixeira (co-supervisor).

## DURATION AND ACTIVITY REGIME

Scholarship contract for 12 months, possibly renewable for a period of 12 months, up to the maximum limit provided for in the regulation, on an exclusive basis, in accordance with applicable regulations.

## MONTHLY MAINTENANCE GRANT AMOUNT

The scholarship amount is €1199.64, in accordance with the FCT's current values table, paid monthly, plus reimbursement of voluntary social security, as provided for in the regulation, and according to Expense Authorization Request No. ESS 5046.

## SELECTION METHOD AND JURY COMPOSITION

The selection method will be in accordance with the following selection criteria and respective valuations:

a) Evaluation of the Curriculum Vitae and suitability of the candidate's profile for the position, with a valuation from 0 to 20 (50% weighting):

A1) Bachelor's degree in Medicinal Biotechnology/Biochemistry with a grade higher than 16 values – 6 points;

A2) Bachelor's degree in Medicinal Biotechnology/Biochemistry with an average grade below 16 values – 4 points;

- A3) Other degrees related to the above – 3 points;
- A4) Experience in a Molecular Biology and Metabolites analysis laboratory, more than 1 year – 5 points;
- A5) Experience in a Molecular Biology and Metabolites analysis laboratory, less than 1 year – 3 points;
- A6) Laboratory experience in microbiome analysis techniques – 3 points;
- A7) Laboratory experience in the use and handling of HPLC technique – 5 points;
- A8) Total and immediate availability – 4 points.

b) Interview. The interview will be assessed on a scale of 0 to 20 points (50% weighting):

- B1) Demonstration of proficiency in laboratory analysis techniques – 10 points;
- B2) Integrated teamwork development – 5 points;
- B3) Personal attitude and communication – 5 points.

The candidate who obtains the highest classification in the percentage weighting will be selected: 50% for the curriculum vitae evaluation and suitability of the candidate's profile, and 50% for the interview.

In case of a tie, candidates will be separated by the average of the Master's or Integrated Master's course they hold.

Candidates may be excluded from the competition for the following reasons:

- a) Not having the mandatory requirements required in the competition notice (point 2.);
- b) Candidates who score less than 9.5 in any of the evaluation components are considered excluded from the competition, not being evaluated in the subsequent component(s);
- c) Non-appearance at the interview by the candidate or the unavailability of the candidate to provide any additional clarifications requested, is considered equivalent to withdrawing from the competition.

Composition of the Selection Jury:

Jury President: Professor Mónica Almeida Vieira, Coordinator Professor of ESS|P.PORTO and deputy director of TBIO (President)

Effective Members:

Professor Pedro Vieira Coelho, Adjunct Professor of ESS|P.PORTO and TBIO Researcher.

Professor João Miguel Rodrigues, Adjunct Professor of ESS|P.PORTO and TBIO Researcher.

Alternate Member:

Dr. Fábio Gabriel Teixeira, Invited Associate Professor of ESS|P.PORTO and TBIO Researcher.

## **PUBLICATION/NOTIFICATION OF RESULTS**

The competition results will be communicated to the candidates electronically, through the electronic platform available at <https://domus.ipp.pt/concursos/ess/pessoal/>, according to the deadlines provided in the Regulation of P.PORTO Research Scholarships.

## APPLICATION DEADLINE AND METHOD OF SUBMISSION

The competition is open for a period of 10 days, from January 29 to February 9, 2024.

Applications must be formalized exclusively through the completion of the electronic application form, available at <https://www.ess.ipp.pt/ess/recrutamento/bolsas-de-investigacao/bolsas-de-investigacao>, and its submission by the end of the deadline together with other documents:

Curriculum Vitae;

Certificates of Qualifications;

Proof of enrollment in an ongoing non-degree-granting course;

Declaration, under a commitment of honor, that at the time of hiring, proof of enrollment will be presented if not enrolled in a non-degree-granting course at the time of application.

Declaration, under a commitment of honor, that:

a) Aware of the Regulation of P.PORTO Research Scholarships (P.PORTO/P-001/2020), approved by Dispatch P.PORTO-P-015-2020, and committed to complying with it;

Other documents that the candidate considers relevant.

Notes:

The proof documents mentioned with number 2, regarding the ownership of academic degrees and diplomas, or their recognition when awarded by foreign higher education institutions, may be dispensed with at the application stage, being replaced by a candidate's sworn statement, with the verification of this condition only occurring at the time of the scholarship contract.

The proof mentioned with number 3 may not be delivered, with the grant of the scholarship being conditional on valid enrollment within six months from the date of communication of approval in the scientific evaluation phase.

Applications sent by email or by any other electronic means other than the specified one will not be accepted.

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January 25, 2024. – The President of the School of Health of the Polytechnic Institute of Porto, *Maria Cristina Prudêncio Soares*.