

CALL FOR ONE POST-DOCTORAL RESEARCH FELLOWSHIP POSITION

Ref.^a: ESS/TBIO /BIPD/2023/09

A Research Grant for POST-DOCTORAL students is now open for within the scope of the research line in Medical Biotechnology – Molecular Biology, of the Center for Translational Health and Medical Biotechnology Research (TBIO) of Escola Superior de Saúde do Politécnico do Porto, financed by own revenues, under the following conditions:

1. SCIENTIFIC FIELD

National Classification of Education and Training Areas (CNAEF) from Portuguese Law No. 256/2005, of March 16: Life and Health Sciences – CNAEF 420 e 720

2. ADMISSION REQUIREMENTS

2.1. Applicants must have the following general requirements:

- a) hold a doctoral degree obtained in the three years prior to the date of submission of the application for the scholarship, in the area or in an area similar to that requested in the call.
- b) have carried out most of the research work that led to the attribution of a doctoral degree in an entity other than the entity receiving the scholarship;
- c) not exceed, with the conclusion of the scholarship contract in question, including possible renewals, an accumulated period of three years in this type of scholarship, consecutive or interpolated;
- d) have not previously had a postdoctoral research fellowship contract with P.PORTO

2.2. Candidates must have the following specific requirements:

- a) Domain of research methodologies in the field of Biotechnology with application to Health;
- b) Experience in Molecular Biology methodologies;
- c) Experience in handling and managing a bank of microorganisms;
- d) Experience in attracting national and international funding;
- e) Experience in laboratory management.

3. WORKING PLAN

The main objective of this position is to reinforce TBIO's research program in the field of Medical Biotechnology and Molecular Biology, consolidating the research area that involves techniques and methods of manipulation, transfer and genetic sequencing for the understanding of biological processes and development of products. Additionally, it is intended to reinforce this line of investigation with the development of strategies supported by projects with external funding and with the implementation of partnerships with companies and other institutions of interest. The work program to be developed should focus on the design and development of 1) diagnostic and therapeutic technologies, 2) tissue regeneration and 3) microbial biotechnology. With these developments, the expectation is to advance in

research for the development of new techniques and new therapies in response to the most pressing pathologies of interest to TBIO. This specific theme should be included in the Research Plan Proposal.

The hired researcher will be part of the TBIO team and will assume the functions of laboratory manager – Lab Manager. The researcher should also participate in the Centre's strategic plan of activities, with the aim of implementing, consolidating and deepening the results of the laboratory's projects with the interconnection of other research group(s) and TBIO's partner companies.

The contracted researcher will undertake and support scientific research and knowledge dissemination tasks, namely: participation in the collection and processing of qualitative and quantitative data; publication, individually or in co-authorship, of articles in journals of international impact; preparing applications for national and international funding; organization of events and reinforcement of the external dissemination of projects; supervision or co-supervision of undergraduate, masters and/or doctoral projects.

4. APPLICABLE LEGISLATION AND REGULATIONS

- Law No. 40/2004, of August 18, modified 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 Decree-Law No. 123/2019, of August 28.
- Regulation of P.PORTO Research Grants (P.PORTO/P-001/2020), approved by Order P.PORTO-P-015-2020.

5. SCIENTIFIC ORIENTATION AND WORKPLACE

The work will be carried out at the Center for Translational Health and Medical Biotechnology Research (TBIO) of the Escola Superior de Saúde do Politécnico do Porto, under the scientific guidance of Professors Monica Andreia Almeida Vieira and Pedro Miguel Vieira Coelho.

6. DURATION AND ACTIVITY REGIME

The scholarship contract will be celebrated by 12-month, automatically renewable for equal periods, up to the maximum limit provided for in the regulation, on an exclusive basis, in accordance with the applicable regulations.

7. AMOUNT OF MONTHLY MAINTENANCE SUBSIDY

The amount of the grant corresponds to € 1.741,00, according to the current FCT table of values (<https://www.fct.pt/apoios/bolsas/valores>), paid monthly, plus the reimbursement of voluntary social insurance (SSV), in accordance with the provisions of the regulation, and in accordance with the Authorization Request nº 4179.

8. METHOD OF SELECTION AND JURY COMPOSITION

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

8.1. Selection criteria

- a) Criterion A – Evaluation of the **Curriculum Vitae** and suitability of the candidate's profile for the position, with a rating from 0 to 20 points (weighting 35%)
- b) Criterion B – **Investigation Plan Proposal**, with a forecast of candidacy for funded projects, with a maximum length of 1000 words, in English, with a value from 0 to 20 (weighting 15%)
- c) Criterion C – **Experience in scientific publication**: articles accepted for publication in a journal with an impact factor (Web of Science Core Collection – Clarivate Analytics) – (weighting 15%):
 - i. 6 or more articles as first author = 20 points;
 - ii. 4 to 5 articles as first author = 18 points
 - iii. 3 to 4 articles as first author = 15 points;
 - iv. 2 articles as first author = 12 points;
 - v. 1 article as first author = 10 points.
- d) Criterion D – **Interview**, with a value from 0 to 20 (35% weighting), to which the 5 candidates with the best classification in the joint evaluation of criteria A, B and C will be admitted (Initial Classification= $0.35 \times A + 0.15 \times B + 0.15 \times C$).
- e) Candidates' ranking results from the classification obtained in each of the three criteria, translated by the following formula: Final Classification = $(0.35 \times A) + (0.15 \times B) + (0.15 \times C) + (0.35D)$.

8.2. Candidates may be excluded from the competition according to:

- a) Do not meet the mandatory requirements required in the call (point 2.);
- b) Candidates who obtain a score lower than 9.5 points in any of the evaluation components are considered excluded from the appliance procedure and are not evaluated in the following component(s);
- c) The candidates who do not attend the interview or such candidates that refuse to provide any additional clarifications further requested, are considered to withdrawing from the competition.

8.3. Composition of the Selection Board

President of the Jury – Mónica Andreia Almeida Vieira, Coordinating Professor at ESS|P.PORTO and Deputy Director of TBIO;

Effective Member – Pedro Miguel Vieira Coelho, Adjunct Professor at ESS|P.PORTO, Integrated Researcher at TBIO, who replaces the president in absences or impediments.

Effective Member – Prof. Sílvia Patrícia Morim Fernandes, Adjunct Professor at ESS|P.PORTO, Integrated Researcher at TBIO;

Substitute Member – Prof. João Miguel Silva e Costa Rodrigues, Adjunct Professor at ESS|P.PORTO, Integrated Researcher at TBIO;

Substitute Member – Prof. Cassilda Maria Lopes Pereira, Invited Adjunct Professor at ESS|P.PORTO and Integrated Researcher at TBIO.

9. METHOD OF ADVERTISING/NOTIFICATION OF RESULTS

The results of the appliance to the call will be communicated to candidates electronically, through the electronic platform available at <https://www.ipp.pt/concursos/pessoal>, in accordance with the deadlines set out in the P.PORTO Research Grants Regulation.

10. TERM AND FORM FOR SUBMISSION OF APPLICATIONS

The public tender is open for a period of 10 business days, from April 17th to May 2th, 2023.

Applications must be formalized by completing the electronic application form, which is available at <https://www.ipp.pt/concursos/pessoal>, submitted within the deadline together with the other documents :

- 1) Curriculum Vitae.
- 2) Certificates of qualifications, or their respective recognition when conferred by foreign higher education institutions.
- 3) Investigation Plan, with a forecast of candidacy for funded projects, with a maximum length of 1000 words, containing: i) explanation of the interest and skills with which you think you can contribute to TBIO's research activities; ii) proposal for a research project within the scope of biotechnological innovation aimed at new diagnostic and therapeutic systems.
- 4) If the academic degree of Doctor, required in this call as a requirement for admission, has been obtained abroad, you will have to present one of the following documents:
 - a) Document proving the attribution, by a Portuguese Institution, of recognition or equivalence or registration of the academic degree; or
 - b) Document proving that the application for recognition of the degree has already been made, and it must be submitted by the deadline for receipt of applications, inclusive;
- 5) Declaration, on honor,
 - a) that the candidate acknowledges the P.PORTO Research Grants Regulation (P.PORTO/P-001/2020), approved by the Notice P.PORTO/P-015/2020, and undertakes to comply with it;

- b) b) does not exceed, with the conclusion of the scholarship contract in question, a cumulative period of 3 years in this type of scholarship, followed or interpolated;
 - c) the research work that led to the attribution of the doctoral degree was carried out in a different host entity from the one where the research work for the grant will be carried out;
- 6) Other documents that the candidate considers relevant.

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April 13th, 2023. – The President of the School of Health of the Polytechnic Institute of Porto, *Maria Cristina Prudêncio Soares*.