

**CALL FOR THE AWARD OF 1 RESEARCH GRANT, REF: ESS/TBIO/BI/2024/09**

The call for applications is open for 1 research grant at the Center for Translational Health and Medical Biotechnology Research (TBIO), within the scope of ongoing funded projects, specifically the Research Project Investigation in Prevention of Occupational Musculoskeletal Disorders in the Retail Sector, supported by private funding, under the following conditions:

**1. SCIENTIFIC AREA**

Ergonomics and Human Factors

**2. ADMISSION REQUIREMENTS**

General requirements:

- a) Be enrolled, at the time of scholarship contracting, in a PhD degree;
- b) Not exceed, with the conclusion of the scholarship contract in question, including possible renewals, an accumulated period of four years in this type of research studentship, consecutive or interspersed;
- c) Have not previously been a beneficiary of any other research grant directly or indirectly funded by the FCT.

Candidates who have obtained a bachelor's degree from a foreign higher education institution must have their degree recognized in Portugal, according to Decree-Law No. 66/2018, August 16th.

Specific requirements:

All individuals who meet the following documented requirements are eligible to apply for this scholarship:

- a) Academic Background: Occupational Safety and Health, Biomedical Engineering, or related fields;
- b) Undergraduate GPA of 15 or higher (on a 20-point scale).

Preferred factors:

- a) Knowledge in biosignal processing and biomedical data analysis;
- b) Experience in developing and validating predictive models;
- c) Immediate availability to start the fellowship (to be stated in the declaration of honor);
- d) At least one scientific article published in an indexed journal;
- e) Proficiency in English.

### 3. PLANO DE TRABALHOS

Collaborate in the work plan of ongoing research projects, specifically in the Research Project on LMERT Prevention in the Retail Sector:

- a) Assist with on-site data collection;
- b) Collaborate in the analysis of biosignals and biomedical data;
- c) Perform statistical analysis, integration, and processing of complex data;
- d) Contribute to the development and validation of predictive models (using machine learning);
- e) Prepare scientific articles.

### 4. APPLICABLE LEGISLATION AND REGULATIONS

- 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.
- Research Grant Regulations of P.PORTO (P.PORTO/P-001/2020), approved by Order P.PORTO-P-015-2020.
- Research Grant Regulations of FCT, I.P., No. 950/2019, of December 16, and amended by Regulation No. 643/2021, published in the 2<sup>nd</sup> Series of the *Diário da República* No. 135, of July 14.

### 5. SCIENTIFIC SUPERVISION AND WORKPLACE:

The work will be carried out at the Center for Translational Health Research and Medical Biotechnology (TBIO) of the School of Health of the Polytechnic Institute of Porto, and at the facilities of the project's partner company, under the scientific supervision of Professor Matilde Alexandra Rodrigues.

### 6. DURATION AND ACTIVITY REGIME

Scholarship contract for 6 months, renewable for additional 6-month periods up to the maximum limit defined by the regulations, under an exclusive regime, in accordance with applicable regulations.

### 7. MONTHLY MAINTENANCE ALLOWANCE AMOUNT

The scholarship amount corresponds to 1 259,64€, according to the current FCT value table, paid monthly, plus reimbursement of voluntary social security, in accordance with the regulations and as stated in the Request for Expense Authorization No. ESS 5910.

## 8. SELECTION METHOD AND JURY COMPOSITION

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

- a) Curriculum vitae evaluation and suitability of the candidate's profile for the position, with a rating from 0 to 20 points (50% weighting):
  - Academic performance, particularly in Curricular Units related to the work plan - up to 8 points.
  - Experience in handling complex data - up to 6 points.
  - Experience in scientific publication: article in English published, accepted for publication, or with a favorable review for publication pending revision in a journal with an impact factor (Web of Science Core Collection – Clarivate Analytics) - up to 4 points.
  - Participation in additional training and/or conferences - up to 2 points.
  
- b) Interview (50%), with a rating from 0 to 20 points (50% weighting):
  - Fluency and communication skills, including English language - up to 5 points.
  - Knowledge and skills in the field of data collection and processing - up to 10 points.
  - Ability for critical thinking and solving complex problems - up to 5 points.

Candidates may be excluded based on the following reasons:

- a) Not meeting the mandatory requirements specified in the tender invitation (point 2.);
- b) Candidates who score below 9.5 in any of the evaluation components will be considered excluded and will not be evaluated in the subsequent component(s);
- c) Failure of the candidate to attend the interview or their unavailability to provide any additional clarifications as requested, is equivalent to withdrawal from this grant competition.

Selection Jury Composition:

Jury President – Matilde Alexandra Rodrigues, Adjunt Professor at ESS|P.PORTO

Effective Member:

Paulo José Medeiros de Carvalho, Adjunt Professor at ESS|P.PORTO

Nuno Albertino Barbosa Ferreira da Rocha, Coordenator Professor at E2S|P.PORTO

Vogal Suplente:

Joana Carvalho dos Santos, Adjunt Professor at ESS|P.PORTO

#### 9. FORM OF PUBLICATION/NOTIFICATION OF RESULTS

The results of the competition will be communicated to the candidates electronically, through the electronic platform available at <https://domus.ipp.pt/concursos/ess/pessoal/>, in accordance with the deadlines set out in the Research Grant Regulations of P.PORTO.

#### 10. DEADLINE FOR APPLICATIONS AND FORM OF SUBMISSION OF APPLICATIONS

The competition is open for a period of 10 business days, from November 8th to November 21th, 2023.

Applications must be formalized by completing the electronic application form, which is available at <https://www.ess.ipp.pt/ess/recrutamento/bolsas-de-investigacao/bolsas-de-investigacao>, and submitting it by the deadline set together with the other documents:

- 1) Curriculum Vitae;
- 2) Certificates of Qualifications;
- 3) Proof of enrollment in a study program leading to an academic degree or in a non-degree course, if not a student of P.PORTO;
- 4) Declaration, under the commitment of honor, stating that:
  - a) The candidate is aware of the Scholarship Regulations of P.PORTO (P.PORTO/P-001/2020), approved by Dispatch P.PORTO-P-015-2020, and commits to comply with them;
- 5) Any other documents that the candidate considers relevant.

#### Notes:

- The supporting documents mentioned in point 2, regarding academic degrees and diplomas, or the respective recognition when awarded by foreign higher education institutions, may be waived during the application phase, and replaced by a candidate's declaration of honor. The verification of these documents will only occur during the scholarship contract phase.
- The supporting document mentioned in point 3 may not be submitted, and the awarding of the scholarship will be conditional upon a valid enrollment within six months from the date of communication of the approval in the scientific evaluation.
- Applications sent via email or through any other electronic means not specified will not be accepted.

**Center for Translational Health Research and Medical Biotechnology (TBIO)**

School of Health of the Polytechnic Institute of Porto

Rua Dr. António Bernardino de Almeida,

400 4200 – 072, Porto

T.: +351 222 061 000 F.: +351 222 061 001

E.: [tbio@ess.ipp.pt](mailto:tbio@ess.ipp.pt)

November 06, 2024. – The President of the School of Health of the Polytechnic Institute of Porto, *Maria Cristina Prudêncio Soares*.