

POLYTECHNIC
OF PORTO

PUBLIC NOTICE
ESS/P-113/2023

Tender procedure for hiring 1 entry-level PhD researcher for research in the Area of Information and Communication Technologies Applied to Health

Opening of a tender selection procedure for the hiring of an entry-level doctorate researcher under Decree-Law no. 57/2016, of August 29th, amended by Law no. 57/2017, of 19th July.

1. By order of the president of the School of health of the Polytechnic Institute of Porto (ESS|P. PORTO), PhD Cristina Prudêncio, of 26/09/2023, in accordance with the provisions of Point A) of Paragraph 1 of Article 11.No. 57/2016, 29 August, as amended by Law No. 57/2017, of 19th July, which approves a doctoral contracting regime aimed at stimulating scientific and technological employment in all areas of knowledge (RJEC), the General Law on Labor in public functions (LTFP) approved in Annex to Law No. 35/2014, of 20th June, in its current wording, and regulatory Decree No. 57/2017, of 11-a/2017, of December 29th, the opening of an international selection tender procedure for the recruitment of doctoral researchers was authorized, for the exercise of research activities under an employment contract in public functions with a certain resolute term, for a period of three years, automatically renewable for periods of one year up to a maximum duration of six years.
2. Framework of the work position – The work position is part of the activities and research work scheduled at TBIO – Center for Research in Translational Health and Medical Biotechnology, of the School of Health of the Polytechnic of Porto, namely, within the scope of activities of research in the area of information and communication technologies applied to health.
3. The workplace is located on the premises of TBIO, Rua Dr António Bernardino de Almeida, 400, 4200-072, Porto, Portugal, and/or other places necessary for the development of research activities.
4. Number of jobs to be filled-One (1).
5. The monthly remuneration to be awarded shall be that provided for in Article 15 (1). Of the RJEC, corresponding to remuneration level 33 of the single remuneration table, currently having an illiquid value of 2,228.11 euros, in accordance with Decree-Law No. 26-B/2023, of 18.04.2023.
6. The employment contract in public functions with a certain resolute term will be concluded for a period of three years, automatically renewable for periods of one year up to a maximum duration of six years, unless, and without prejudice to other causes of termination or extinction legally provided, especially with regard to the maintenance of the funding of the project to which the researcher will be attached, the contracting scientific body proposes its termination based on an unfavorable evaluation of the work developed by the doctorate, carried out in accordance with the regulations in force.
7. Within the framework of the selection tender, the vacancy(ies) is(are) open:

1 place equivalent to doctoral researcher in the area of information and communication technologies applied to health, specifically to work on topics related to the design and implementation of IT systems for health, digital

health and *computer vision*, namely software and middleware, health data interoperability, IoT systems in health applications, health data science and intelligent recommendation systems. The work will be related to activities developed within the scope of ongoing projects, laboratory management and other future projects in related areas.

8. The tender can be opposed by national, foreign, and stateless candidates who hold a doctorate degree in Biomedical Engineering, Computer Engineering, Electrical and Computer Engineering, Electronic Engineering, Data Sciences, Computer Science, Engineering, Information and Communication Technologies or related areas; and holders of a scientific and professional curriculum that reveals a profile suitable for the positions in the tender. Candidates with a doctorate degree in non-related areas may be admitted, as long as the scientific and professional curriculum reveals a relevant profile for the positions in the tender.
9. The general admission requirements for candidates, nationals, foreigners or stateless persons, at the end of the deadline for submitting the application are:
 - a) Be in possession of the requirements for reaching the age of majority (18 years of age or over), non-inhibition from exercising public functions, non-interdiction in carrying out public functions that one intends to perform, physical robustness and mental profile essential to the exercise of functions and have ensured compliance with mandatory vaccination laws, as provided for in article 17th of the LTFP;
 - b) Be the holder of a PhD degree, awarded by a Portuguese or foreign higher education institution, and, in the latter circumstance, must be the holder, at the date of submitting the application, of proof of recognition, equivalence or registration of the doctoral degree, in accordance with the applicable legislation.
10. The evaluation of the candidates' scientific and curricular path focuses on relevance, quality, and timeliness:
 - a) Of the scientific and technological production of the last five years considered most relevant by the candidate.
 - b) Applied or practice-based research activities developed in the last five years and considered to have the greatest impact by the candidate.
 - c) Extension and knowledge dissemination activities developed over the last five years, particularly in the context of promoting culture and scientific practices, considered to be of greatest relevance by the candidate.
 - d) Management activities for science, technology and innovation programs, or experience in observing and monitoring the scientific and technological system or higher education, in Portugal or abroad.
11. The five-year period, referred to in the previous number, may be increased by the jury, at the request of the candidate, when based on suspension of scientific activity for socially protected reasons, namely for reasons of parental leave, prolonged serious illness, and other legally protected situations of unavailability for work.
12. The evaluation process may include an interview with candidates to be selected by the Jury for this purpose.
13. The candidate classification system is expressed on a scale of 0 to 100 points, with approval depending on having a minimum classification of 60 points.
14. The requirements to be met by candidates are as follows:
 - a) Have a doctoral degree in the area as provided in number 6 of this notice, with a thesis of relevance in the area and explicit topics;
 - a) Preferably have experience of participating in relevant International or National research projects in the area, possibly with positions of Principal Investigator and technical-scientific leadership.
 - b) Preferably have high quality publications in conferences or relevant scientific journals in the area addressing relevant aspects related to the topics and projects that define the position's area of activity.
 - c) Preferably have experience of (co-)supervision or monitoring of doctoral students (preferably) or master's/BSc students.
 - d) Preferably have experience participating in program committees or other positions in the organization of scientific conferences in the area.

- e) Demonstrate the ability to lead or participate in developing project proposals or obtaining competitive financing.
15. The criteria for the evaluation and seriation of the candidates are as follows:
- a) Scientific and technological production, within the scope of what is described in No. 12 of this notice (0 – 45 points);
 - b) Applied or practice-based research activities, within the scope of what is described in No. 12 of this notice (0 – 25 points);
 - c) Extension and dissemination of knowledge activities (0-15 points);
 - d) Science, technology and innovation program management activities, or experience in observing and monitoring the scientific and technological system or higher education (0-5 points);
 - e) Scientific development plan in the institution (0-10 points).

In a second phase of evaluation, the jury may, if it so wishes, interview the candidates with the best classification with the sole aim of clarifying aspects related to the results of its research.

After this phase, the candidates will be serialized by their final classification, resulting from the application of the following formula: $CF = (\text{classification of the first phase} \times 80\%) + (\text{interview} \times 20\%)$.

16. The jury appointed by order of the president of the School of Health of the Polytechnic Institute of Porto, in accordance with Article 13.^o of the RJEC has the following composition:
- Prof. Nuno Albertino Barbosa Ferreira da Rocha, Coordinating Professor at ESS|P.PORTO and Director of TBIO (President)
 - Prof. Jaime Santos Cardoso, Full Professor at the Faculty of Engineering of the University of Porto (Member, who replaces the President in his absence or impediment);
 - Prof. Matilde Alexandra Rodrigues, Adjunct Professor at ESS|P.PORTO and Researcher at TBIO (Member);
 - Prof. Joana Carvalho dos Santos, Adjunct Professor at ESS|P.PORTO and Researcher at TBIO (Member)
 - Prof. Paulo José Medeiros de Carvalho, Adjunct Professor at ESS|P.PORTO and Researcher at TBIO (Member).
 - Prof. Pedro Miguel Vieira Coelho, Adjunct Professor at ESS|P.PORTO and Researcher at TBIO (Substitute member).
17. Formalization of the application:
- a) Applications must be formalized, mandatorily through the address <https://www.ess.ipp.pt/candidaturas>, explicitly indicating the reference of the vacancy.
 - b) Applications sent by e-mail or by any other means, electronic or not, other than that determined above, will not be accepted.
 - c) The application must contain full name, affiliation, number and date of identity card, Citizen Card, or civil identification number, Tax Identification Number, Date and place of birth, marital status, profession, residence and contact address, including email address and telephone contact.
18. The application shall be accompanied by documents confirming the conditions laid down in points 6 and 7 for admission to this tender, in particular:
- a) Electronic application form for the tender procedure.
 - b) Copy of the certificate or diploma confirming the academic degree of Doctor, the recognition or registration of the degree of Doctor;
 - c) Detailed curriculum of the candidate, structured in such a way as to allow the evaluation of the relevance, quality, and timeliness of the candidate's scientific and Curricular path, as presented in Paragraph 8 of this notice.
 - d) Copy of the documentation supporting the activities and results recorded in the *curriculum vitae*, or links to it.
 - e) Statement proving that the candidate meets the general and special requirements referred to in paragraph 7 of this notice.
 - f) Motivation letter, with scientific development plan in the institution (maximum of 5000 words).

19. The deadline for applications begins on the day following the publication of this notice in Official Gazette and runs for a period of 15 (fifteen) working days. The doctoral selection process begins, within 10 (ten) working days following the deadline for submission of applications, through a jury meeting to assess the applications, to verify, in each application, compliance or non-compliance with the general and special requirements established in this notice.
20. The jury has the power to require any candidate, in case of doubt, to produce documents supporting their statements.
21. Candidates who do not obtain a final classification equal to or greater than 50 points will not be admitted occupying any of the places in the tender, due to lack of absolute merit.
22. The minutes and the final ordering list will be published in the domus.ipp.pt.
23. In accordance with Article 121.º of the Code of Administrative Procedure, after notified, candidates have 10 working days to speak. No later than 90 days from the deadline for submitting applications, the final decisions of the jury are rendered.
24. This tender procedure is intended exclusively for the filling of advertised jobs and may be terminated until the approval of the final ordering list of candidates and expiring with the respective occupation of the job.
25. In conjunction with the provisions of Articles 16. and 17. Of Decree-Law no. 57/2016, of 29th August, as amended by law no.57/2017, of 19th July, this tender procedure and the hiring of the Doctoral Researcher is exempt from the authorization of the members of the government responsible for the areas of Finance and public administration, namely the one referred to in paragraph 3 of Article 7. Of the LTFP and obtaining the prior favorable opinion of the members of the government responsible for the areas of Finance and Public Administration, referred to in Article 30 (5). Of the LTFP and the procedure for recruiting workers in a situation of requalification, referred to in Article 265 LTFP
26. Policy of non-discrimination and equal access: P. PORTO actively promotes a policy of non-discrimination and equal access, so that no candidate can be privileged, benefited, harmed or deprived of any right or exempt from any duty due, in particular, to ancestry, age, sex, sexual orientation, marital status, family situation, economic situation, Education, origin or social condition, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological convictions and trade union membership. In accordance with D. L. nº 29/2001, of February 3rd, the candidate with disabilities has preference in equal classification, which prevails over any other legal preference. Candidates must declare in the application form, under commitment of honor, their degree of disability, the type of disability and the means of communication/expression to be used in the selection process, in accordance with the diploma.
27. This notice will be published in the following terms:
 - a) On 2nd series of the Official Gazette.
 - b) At the Public Employment Exchange, in www.bep.gov.pt;
 - c) On the EURAXESS Portugal Portal, at <https://euraxess.ec.europa.eu/>;
 - d) On the ESS / P. PORTO website at <https://www.ess.ipp.pt/ess/recrutamento/concursos-investigadores/concursos-investigadores>.

October 13th, 2023 - the president of the School of Health of the Polytechnic of Porto *Prof. Cristina Prudêncio*.