

University of Leiria and West

NOTICE No ____/2026

1. By my order of 4 June 2026, I authorised the opening, for a period of 15 working days from the date of publication of this notice in the Diário da República, of an international selection competition for a post of junior doctoral researcher for the exercise of research activities in the area of Engineering and Related Techniques (CITE-F 2013: 071), namely in the sub-areas of Bio-medical Engineering, Electronics and Automation or Electricity and Energy, with application in a health context, under a fixed-term public employment contract for a period of three years, automatically renewable for periods of one year up to a maximum duration of six years, with a view to developing research activities within the scope of ciTechCare - Center for Innovative Care and Health Technology - UID/05704/2025

2. Applicable legislation: Decree-Law No 57/2016 of 29 August 2016, as amended by Law No 57/2017 of 19 July 2017, approving the scheme for the recruitment of doctorates intended to stimulate scientific and technological employment in all areas of knowledge (RJEC) and the General Law on Employment in the Public Sector (LTFP), approved in the annex to Law No 35/2014 of 20 June 2014, as amended, as well as Regulatory Decree No 11-A/2017 of 29 December 2017 and Ministerial Implementing Order No 233/2022 of 9 September 2022, and other applicable legislation, in particular, where applicable, matters set out in the scope of funding.

3. In accordance with article 16 of the RJEC, and other applicable legislation, this tender procedure is exempt from the authorization of the members of the Government responsible for the areas of finance and public administration, namely that referred to in paragraph 3 of article 7 of the LTFP; obtaining the prior favourable 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 the recruitment of retrained workers, referred to in Article 265 of the LTFP.

4. In accordance with Article 13 of the RJEC, the selection board of the competition has the following composition:

President and: Maria Pedro Sucena Guarino, Coordinating Professor of the University of Leiria and West and Coordinator of the ciTechCare Research Unit (UI).

Effective members:

1st Member: Rui Manuel da Fonseca Pinto, Assistant Professor at the University of Leiria and West;

2nd Member: Sara Alexandra da Fonseca Marques, Coordinating Professor University of Leiria and West;

3rd Member: João Paulo Oliveira Martins, Assistant Professor at the Polytechnic University of Porto.

Alternate members:

1st Member: Maria dos Anjos Coelho Rodrigues Dixe, Coordinating Professor, University of Leiria and West;

2nd Member: Ana Barroso Abecasis, Associate Professor at Universidade Nova de Lisboa, Institute of Hygiene and Tropical Medicine.

5. The workplace is located at the ciTechCare- Center for Innovative Care and Health Technology of the University of Leiria and West, or other places assigned to the University, or others, according to the requirements and needs of the research project.

6. The monthly remuneration to be awarded is that of the position corresponding to level 33 of the single remuneration table, in force on the date of publication of this notice.

7. National, foreign and stateless candidates who hold a doctorate in Engineering and Related Techniques (CITE-F 2013: 071), namely in the sub-areas of Biomedical Engineering, Electronics and Automation or Electricity and Energy, with application in a health context and holders of a scientific and professional curriculum that reveals an appropriate profile for the activity to be developed, namely the development and validation of medical devices, digital technologies in health, clinical decision support systems, sensors, medical instrumentation or technological solutions applied to the clinical context. You must demonstrate skills in experimental design, technological validation, data collection and analysis, scientific writing and submission of competitive applications. If the doctorate has been awarded by a foreign higher education institution, it must comply with the provisions of Decree-Law No 66/2018 of 16 August 2018, and any formalities established therein must be completed by the date of provision.

8. General requirements for admission to the competition are those defined in Article 17 of the LTFP and special/specific requirements are those defined in the previous point.

9. In accordance with Article 5 of the RJEC, the selection takes place through the evaluation of the scientific and curricular path of the candidates.

10. The Scientific and Curriculum Pathway Assessment (APCC) focuses on relevance, quality and timeliness:

- a) The scientific and technological production of the last five years considered most relevant by the candidate;
- b) Applied research activities developed in the last five years and considered to have the greatest impact by the applicant;
- c) Knowledge extension and dissemination activities developed in the last five years, namely in the context of the promotion of culture and scientific practices, considered of greater relevance by the candidate;

11. The period of five years referred to in the preceding paragraph may be extended by the selection board, at the request of the candidate, when justified by suspension of scientific activity for socially protected reasons, namely for parental leave, prolonged serious illness, and other situations of unavailability for work legally protected.

12. The evaluation criteria are:

C1 – Integrated assessment of scientific output over the last five years (40%)

Preliminary remark: for the purposes of assessing all the criteria and sub-criteria defined below, scientific and technological productivity indicators; including publications, communications, projects and other contributions; will only be considered when applied to the area of Health or when they arise from research in which the relevance to health is demonstrable and explicitly substantiated by the candidate in his/her curriculum. Indicators for other areas will not be counted.

Evaluates the relevance, quality and timeliness of the candidate's scientific production in the last five years, in the area of Clinical Engineering applied to health. The following indicators are considered, exclusively when applied to the area of Health: articles in scientific journals with *Scopus* indexation; patents and other industrial property indicators granted, with application in

the field of health; books and/or book chapters with ISBN; complete articles in record of *Scopus-indexed* congresses; oral communications at national and international congresses; communications in ster at national and international congresses; acting as editor of international scientific journals; review activity of articles in international scientific journals; completed guidance from master and doctoral students with topics applied to health; participation in a jury of master's or doctoral exams as a arguer, in themes applied to health; participation in a jury for the recruitment of research fellows in health projects; Lecture in master's and/or doctoral programs with contents applied to health.

C2 – Evaluation of applied research activities (20%). Evaluates the impact of applied research activities developed in the last five years, in the area of Clinical Engineering applied to health. The following indicators are considered, exclusively when applied to the area of Health: participation as a responsible researcher in funded research projects (regional, national and international) in the area of Health; participation as a member of a research team in funded research projects (regional, national and international) in the area of health; participation as a responsible person in the provision of I&D services in the field of health; participation as a team member in I&D services in the field of health; participation in evaluation panels of I&D projects, prizes, research grants and distinctions, in the area of health; participation in national and/or international scientific networks in the area of Clinical Engineering or related areas applied to health.

C3 - Work plan and technical-scientific development (30%): evaluates the candidate's work plan for the next five years, in which he/she should demonstrate the potential for technical-scientific contribution to the mission and vision of ciTechCare, with a limit of 8000 characters (with spaces), including: identification and rationalization of priority research lines aligned with Clinical Engineering and with the strategic priorities of ciTechCare; strategies for attracting competitive national and international funding in the area of health; linking the proposals with ciTechCare's infrastructure, competences and mission; feasibility, innovation and expected impact of the proposed activities.

C4 – Evaluation of knowledge extension and dissemination activities in the last five years (10%): assesses participation in activities to promote culture and scientific practices, preferably in the area of health. The following indicators are considered: coordination or participation in academic extension projects; participation in scientific committees organising national and international scientific events in the field of health; participation in well-proven dissemination and scientific outreach activities to the community (open science, media, health literacy initiatives, etc.).

The weight of each of the sub-criteria defined above shall be as follows: C1: 40 %; C2: 20%; C 3: 30%; C 4: 10%; Candidates are ordered by the Scientific and Curriculum Pathway Assessment (APCC) quantified by the following expression:

$$APCC = C1 \times 0,40 + C2 \times 0,20 + C3 \times 0,30 + C4 \times 0,10$$

13. The interview is a mandatory selection method for the three best candidates resulting from the ranking by the APCC. The interview has a public character, is classified from 0 to 20 values and focuses on the following aspects: suitability of the candidate's scientific and technical profile to the mission and vision of ciTechCare in the area of Clinical Engineering applied to health and strategic vision for the development of research in Clinical Engineering, namely in terms of attracting competitive funding, building partnerships and the expected impact of its activity in ciTechCare.

The interview will be conducted in English or Portuguese and may be held by videoconference. After applying this phase of the ranking process, the three best candidates will be ranked by their final ranking, resulting from the application of the following formula:

$$CF = APCC \times 0.80 + ENT \times 0.20$$

ENT is the classification obtained in the interview.

14. The final classification system of the candidates is expressed on a scale of 0 to 20 values, taking into account the evaluation up to two decimal places.

15. The jury deliberates by means of a reasoned roll-call vote according to the selection criteria adopted and disclosed, with no abstentions allowed.

16. Minutes shall be drawn up of the meetings of the selection board, containing a summary of what has taken place at the meetings, as well as the votes cast by each member and the reasons on which they are based, and shall be made available to candidates on request.

17. Once the selection criteria have been applied, the selection board will draw up the ranked list of successful candidates.

18. The final decision of the jury is approved by the maximum leader of the institution who is also responsible for deciding on the hiring.

19. Formalisation of applications:

19.1 Applications are submitted on the online platform of this university, available for this purpose at <https://recrutamento.ipleiria.pt/>. The application will be examined by filling in the sections available on the e-platform and applications sent by e-mail will not be accepted.

19.2 The application is accompanied by the documents supporting the conditions set out in points 7 and 8 for admission to this competition, in PDF format, namely:

a) Copy of certificate or diploma;

b) Doctoral thesis;

c) Detailed curriculum vitae, structured according to the items of points 10 and 12;

d) Other documents relevant to the evaluation of qualification in a related scientific area;

20. Incorrectly formalised applications and failure to prove the requirements of this competition are excluded from admission to the competition. The selection board may require any candidate, in case of doubt, to provide supporting documents in support of his/her statements.

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

22. Notification of applicants:

22.1 In accordance with the provisions of article 16 of the Ordinance, unsuccessful candidates will be notified through the recruitment platform, to hold the hearing of the interested parties, in accordance with the Code of Administrative Procedure.

22.2 After the application of the selection methods, the draft unitary list of final ranking of candidates is notified to them, as provided for in point 22 of this notice, for the purpose of holding a hearing of the interested parties, in accordance with the Code of Administrative Procedure and the Ordinance regulating tendering procedures.

23. Publication of the unitary final ranking list of candidates: the unitary final ranking list of candidates, after approval, is published in the 2nd series of the *Diário da República*, posted at the Central Services of the University of Leiria and West and made available on the recruitment website at <https://recrutamento.ipleiria.pt/>.

24. Equal Opportunities: in compliance with Article 9(h) of the Constitution of the Portuguese Republic "the Public Administration, as an employer, actively promotes a policy of equal

opportunities for men and women in access to employment and in professional advancement, providing scrupulously to avoid any form of discrimination”.

25. Employment share: In accordance with Decree-Law No 29/2001 of 3 February 2001, candidates with disabilities have equal ranking preference, which prevails over any other legal preference. Candidates must declare in their application form, in addition to the means of communication/expression to be used in the selection procedure, on their honour, their degree of incapacity and the type of disability according to the above-mentioned diploma.

26. Publication of the Notice: in accordance with Article 11(2) of the RJE, this notice will be published on the Public Employment Grant on the website www.bep.gov.pt, at <https://euraxess.ec.europa.eu/>, and on the website of the University of Leiria and West.

Leiria, 12 October 2026. The Vice-Rector, Pedro António Amado de Assunção.