

## Public Notice

### **Announcement for the Opening of the International Selection Tender Procedure for Hiring 3 (three) Doctorate Researchers, under the Legal Regime of Scientific Employment, for the Applied Research Institute (i2A) of Polytechnic Instituto of Coimbra | PRND/14/2022**

Doctor José de Jesus Gaspar, Vice-President of the Polytechnic Institute of Coimbra, with delegated competence,, announces that, within a period of 10 working days following from the publication of this notice in the Diário da República [Official Journal of the Portuguese Republic], that the international selection is open to tender for the hiring of 3 (three) Doctorate Researcher, equivalent to Junior Researcher, through a fixed-term employment contract in public functions at the Applied Research Institute (i2A), to carry out scientific research and technological development activities in the 3 Thematic lines of the of the Polytechnic Institute of Coimbra: Thematic line A - Sustainability in Health and Well-being; Thematic line B - Sustainability and Digitalization; Thematic line C - Smart and Resilient Cities. These tenders are open under the Program Agreement signed with FCT on February 2, 2022, with the reference CEECINST/00077/2021, within the scope of the Scientific Employment – Institutional Support 2021 Call. The opening of this public notice, as well as the jury, were authorized by Order 08/06/2022, after a favourable opinion of the Scientific Council of the Applied Research Institute.

#### **1 - Applicable law**

These tenders shall be governed by the Decree no. 57/2016, of 29 August, emended by Law no. 57/2017, 19 July, both in its latest version, Regulatory Decree no. 11-A/2017, of 29 December and Lei Geral do Trabalho em Funções Públicas [Public Employment Act] approved in annex to the Law no. 35/2014 of 20 June, in the last version.

#### **2 – Workplace**

Applied Research Institute (i2A), Polytechnic Institute of Coimbra, Rua da Misericórdia, Lagar dos Cortiços – S. Martinho do Bispo, 3045-093 Coimbra.

#### **3 – Job remuneration**

Pursuant to article 2 of Regulatory Decree no. 11-A/2017, of 29 December, the contracts to be signed will have a base remuneration of €2.153,94, corresponding to level 33 of the remuneration table, approved by the Ordinance n.o 1553-C/2008, of 31 December.

#### **4 – Job description**

4.1 – For each Thematic Line, only one vacancy will be available.

4.2 - Doctorates will be hired under a fixed-term employment contract in public functions, by legal imperative, under the terms of subparagraph a) of no. 2 of article 6 of the RJEC and article 10 of the RJEC, for a maximum period of 6 years.

4.3 - The Applied Research Institute intends to select 3 PhD researchers for the Polytechnic Institute of Coimbra, for the development of the following Thematic Lines and respective scientific areas:

4.3.1 - Thematic line A and related scientific areas: Sustainability in Health and Well-Being - Disease Prevention; Active aging; Biology of Aging; Public Health and Environmental Factors; Exercise Physiology and Sports Science;

4.3.2 - Thematic Line B and related scientific areas: Sustainability and Digitalization - Robotics; Artificial Intelligence, IoT, Big Data;

4.3.3 - Thematic line C and related scientific areas: Smart and Resilient Cities - Energy and Environment; Risk mitigation; Supply networks; Communication networks.

#### **5 – Admission Requirements**

National, foreign and stateless candidates who hold a PhD degree in the scientific areas considered appropriate for each Thematic line may apply.

5.1 - General requirements: Candidates must meet the requirements set out in article 17 of Law no. 35/2014, of 20 June, in its latest version.

5.2 - Special requirements: Candidates must have a PhD degree for 5 years or less in the scientific areas considered appropriate for each Thematic line, holders of a scientific and professional curriculum that reveals an adequate profile for the activity to be developed.

5.3 - Candidates holding foreign qualifications must prove recognition of their doctoral degree in accordance with applicable law, and any formalities established therein must be fulfilled by the application deadline.

#### **6 - Formalization of the applications**

6.1 - The applications are formalized through an application addressed to the President of the Polytechnic Institute of Coimbra, under the terms defined in the attached template (Annex I). The application shall be accompanied by the following documentation:

i. Detailed, dated and signed *Curriculum Vitae*, indicating the candidate's scientific work, mandatorily structured according to the following items:

a) The CV synopsis, with a maximum of 500 words. In this, the candidate must clearly indicate the most relevant elements of his academic and professional career, as well as the most relevant results of his scientific and professional activity, substantiating its importance for a scientific area of each Thematic line.

b) Candidate's scientific indexing identifiers such as "ORCID ID", "Scopus Author ID", "Researcher ID", "Google Scholar ID", "Science ID" or others.

c) Research activities, experience and professional training, provision of service to the community and technology transfer, guidance and scientific management that are considered relevant for the application, namely, identifying the activities carried out in the different aspects that integrate the set of functions to be performed by the Junior Researcher, taking into account the aspects and evaluation parameters contained in point 10.4.2 of this public notice and that are considered relevant to the scientific areas of each Thematic line in which this tender is open.

Candidates must structure their Curriculum Vitae in such a way as to facilitate the identification of their contribution in each of the sub-items of point 10.4.2 and in the form provided for in sub-item vi) of this point;

ii. Publications in digital format of all the scientific studies mentioned in the Curriculum Vitae and other works that the candidate deems relevant for the jury's appreciation;

iii. Declaration as defined in the attached model (Annex II);

iv. Copy of the certificate proving ownership and the date of obtaining the doctorate degree and, where applicable, the recognition of the said degree, title or certificate;

v. Proof of professional experience (if applicable);

vi. Application form in Excel format (xls or xlsx) specific to this application (available at <https://www.ipc.pt/ipc/sobre/rh/a-decorrer-investigadores/>), duly completed;

vii. Other relevant documents for the evaluation of the qualification in the scientific areas of each Thematic line;

viii. Any other documents that the applicant considers relevant, namely for the assessment of the information referred to in n.o 2 of article 5 of the RJEC.

6.2 – With the exception of publications, the application support documents referred to in the previous number must be submitted in Portuguese or English.

6.3 - Candidates must access and register at <https://www.ipc.pt/bupc/candidatura> and select the tender procedure to which they intend to apply. The candidates must submit the application and supporting documents, in PDF format, by electronic means, by the deadline for submitting applications defined in this public notice, except for documents whose delivery can be made in other digital formats.

6.4 – Failure to comply with the deadline for submitting applications, as well as non-delivery of the application form referred to in point 6.1 and the documents referred to in points i) to vi), will result in the exclusion of the application. The exclusion decision is communicated to candidates by email, for the purpose of hearing the interested parties.

6.5 – False statements provided by the candidates shall be punished by law.

## **6 - Members of the Jury**

According to article 13 of the RJEC, The selection jury has the following composition:

Chairman: António José Dinis Ferreira, Coordinator Professor at the Agriculture School of the Polytechnic Institute of Coimbra

Effective Members:

Rui Manuel Sousa Mendes, Coordinator Professor with Agregation at the Education School of the Polytechnic Institute of Coimbra

Telmo António dos Santos Pereira, Coordinator Professor at the Health School of the Polytechnic Institute of Coimbra

Jorge Fernandes Rodrigues Bernardino, Coordinator Professor at the Engineering School of the Polytechnic Institute of Coimbra

Carla Margarida Saraiva de Oliveira Henriques, Assistant Professor at the Business School of the Polytechnic Institute of Coimbra

Substitute Members:

Fernando Manuel Lourenço Martins, Coordinator Professor with Agregation at the Education School of the Polytechnic Institute of Coimbra

Silvino Dias Capitão, Coordinator Professor at the Engineering School of the Polytechnic Institute of Coimbra

## **8 - Rules of operation of the Jury**

8.1 - The jury shall deliberate by means of a nominal vote based on the selection criteria adopted and published, and abstentions shall not be allowed.

8.2 – As jury meetings, including as a final decision, can be held by videoconference.

8.3 - The jury meetings will be documented in written minutes, containing a summary of what has taken place, as well as the votes cast by each of the members and their reasons.

## **9 - Approval in absolute merit**

9.1 - The jury must decide on the absolute merit of the candidates, based on the merit of each global curriculum vitae that it considers having scientific performance, activity developed, transfer and enhancement of knowledge compatible with the scientific area or related scientific areas of the tender, and taking into account, cumulatively, the following specific requirement:

- i. The candidate must have published at least 5 publications indexed in SCImago/Scopus or Web of Science, within the Thematic line related to the contest.

9.2 - Absolute merit is expressed by the formulas of “refused” or “approved”. The decision of exclusion on absolute merit is notified to candidates, by email, for the purpose of hearing the interested parties.

9.3 - After the deadline for the exercise of the right of hearing of the interested parties, the jury appreciates the allegations offered and, if it maintains the exclusion decision, notifies the excluded candidates by email with delivery receipt, beginning the application of the selection methods to admitted candidates.

## **10 - Method and evaluation criteria**

The selection methods are the Scientific and Curricular Career Assessment (APCC) and the interview (ENT).

10.1 - All candidates, approved on absolute merit, are subject to the Scientific and Curricular Career Assessment (APCC) to be carried out according to the criteria and weightings defined in point 10.4.2.

10.2 - Only the 3 best-placed candidates in the ranking resulting from the APCC will be admitted to the Interview (ENT), in each Thematic line.

10.3 - The final classification (CF) will be calculated by the weighted average of the APCC and the ENT, according to the formula:  $CF = 0.9 \times APCC + 0.1 \times ENT$  and expressed on a numerical scale from 0 to 100 points.

10.4 - APCC focuses on relevance, quality and timeliness:

- i. Of the scientific and technological production of the last five years considered more relevant by the candidate;
- ii. From applied or practice-based research activities developed over the last five years and considered to be of greatest impact by the candidate;
- iii. The activities of extension and dissemination of knowledge developed in the last five years, namely in the context of the promotion of culture and scientific practices considered by the candidate to be more relevant;
- iv. From the activities of managing science, technology and innovation programs, or from experience in the observation and monitoring of the scientific and technological system or higher education, in Portugal or abroad.

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

10.4.2 - In the APCC, the following parameters and evaluation criteria are considered with their respective weights:

PCT - Scientific and Technological Production (with a weighting of 50%)

- i) Scientific and technological production
- ii) Industrial and intellectual property
- iii) Legislation and technical standards

AI - Research Activities (with a weighting of 30%)

- i) Coordination and participation in scientific or technological projects
- ii) Creation and reinforcement of laboratory resources
- iii) Stimulation of scientific activity
- iv) Monitoring and (co)guidance of students, interns, and research fellows
- v) Recognition by the national and international scientific community

AE - Activities of extension and dissemination of knowledge (with a weighting of 15%)

- i) Provision of services and consultancy integrated in the institutional mission

- ii) Services to the scientific community and society
- iii) Professional training actions
- iv) Pedagogical content
- v) Teaching activity
- vi) Scientific and technical dissemination

AG - Management Activities and Professional Experience (with a weighting of 5%)

- i) Positions in bodies of Research Units recognized by the FCT
- ii) Positions in bodies of Higher Education Institutions
- iii) Temporary positions and tasks
- iv) Professional experience and training

10.5 – The final classification of the APCC is obtained by the formula:  $APCC = 50\% \times PCT + 30\% \times AI + 15\% \times AE + 5\% \times AG$ , expressed on a numerical scale from 0 to 100 points.

10.6 – The evaluation will also include an interview with a maximum duration of 15 minutes, where the following criteria will be evaluated: candidate's attitude; critical sense; and motivation for the place. The interview rating will be expressed on a scale from 0 to 100 points.

10.7 - Candidates who did not attend or withdrew from the interview are excluded.

10.8 - The classification of each candidate to the APCC and ENT (if applicable) is obtained respectively by the average of the classifications of each one of the elements of the jury.

10.9 - In the event of a tie, the following tie-breaking criteria will be used:

- i. Best ranking position obtained in the ENT criterion;
- ii. Best ranking position in the APCC criterion.

## **11 - Order of candidates**

The order of the candidates must be based on the evaluation made according to the evaluation criteria contained in this announcement.

11.1 - After completion of the application of the evaluation criteria, the jury will draw up an orderly list of successful candidates with their classification.

11.2 - The final classification of the candidates is expressed in the numerical scale of 0 to 100 points.

## **12 - Participation of interested parties and decision**

The final ordering project is notified to the candidates, by email with receipt of delivery of the notification, to pronounce for the purpose of preliminary hearing to the interested parties, pursuant to article 121 and following of the Code of Administrative Procedure.

12.1 - At the hearing of the interested parties, the jury appreciates the allegations offered and approves the final ordering list of the successful candidates. Within 90 days, from the deadline for submission of applications, the final decisions of the jury are given.

12.2 - The period referred to in the previous number may be extended when the high number of candidates and/or the special complexity of the competition justify it.

12.3 - The final decision of the jury is approved by the President of the Polytechnic Institute of Coimbra that also decides on the hiring.

## **13 - Publication of results**

The list of admitted and excluded candidates, as well as the final ranking list of the successful candidates are publicized on the Polytechnic Institute of Coimbra website, and the candidates are notified by email with receipt of delivery of the notification.

The Vice-President of the Polytechnic Institute of Coimbra, Professor José de Jesus Gaspar

ANNEX I

Application

Dear President of Polytechnic Institute of Coimbra

Name (...), birthdate (...), VAT N.º (...), identification card n.º (...), address (...), Postal code (...), Mobile Phone n.º (...), email address (...), literary abilities (...), hereby requests that you kindly accept my application for the international competition for recruitment in the form of a certain term contract under the Labor Code and Decree-Law n.º 57/2016 of 29 August, as amended by Law n.º 57/2017, of 19 July, of \_\_\_\_\_ doctoral positions in the scientific areas of \_\_\_\_\_, according to a notice published in the *Diário da República* n.º \_\_\_\_\_, 2<sup>nd</sup> series, of \_\_/\_\_/\_\_, with Ref. \_\_\_\_\_.

Further declares that it agrees to receive by email the communications and notifications resulting from the present selection tender procedure.

Find attached the following documents: xxx

(Place and date)

(Signature)

Public Employment Act

ANNEX II

Declaration of commitment of honour

Name (.....), candidate for the competition for the recruitment of a Doctoral Researcher for the Polytechnic Institute of Coimbra, declares, by my honour, that he/she fulfils all the requirements for admission to this competition that are required by law.

The declarant is fully aware that the provision of false declarations implies his/her exclusion from this competition, without prejudice to the participation to the competent entity for the purposes of criminal proceedings.

The declarant is fully aware that, if he/she is placed in a place eligible for contracting in the approved final order of this competition, he/she has a non-extendable period of 10 working days, following from the notification of that final order, to present, at the Polytechnic Institute of Coimbra, the documents proving that the requirements for admission to this competition are fulfilled.

The declarant is also fully aware that the failure to submit the supporting documents referred to in the previous paragraph, for reasons attributable to him/her, determines his/her exclusion from this competition.

... (place), ... (date), ... (signature).