

#4061

## **Public Notice - International Selection Procedure of one Specialist in Laboratory and Computer Infrastructures (EILC)**

**Associated Laboratory Institute Dom Luiz (IDL), Reference LA/P/0068/2020, financed by Fundação para a Ciência e a Tecnologia, I.P./MCTES**

**FCiências.ID/2022/LA/IDL/1**

**FCiências.ID - Associação para a Investigação e Desenvolvimento de Ciências**, through its Chairman of the Board of Directors, following the signature of the program-contract for the attribution of the statute and complementary funding to Associate Laboratories 2021-2025, hereby announces the opening of an international call for the recruitment of a Specialist in Laboratory and Computer Infrastructures (EILC) with a PhD degree, within the scope of **Associated Laboratory Institute Dom Luiz (IDL) (Ref. LA/P/0068/2020)**, financed by **Fundação para a Ciência e a Tecnologia, I.P.**, in the form of an employment contract, on an exclusive regime, according to the Portuguese Labour Code and complementary legislation.

### **I. Admission Requirements**

Portuguese nationals, foreign and stateless persons may submit applications to this selection procedure, provided they hold a doctoral degree<sup>1</sup> in Geophysical or Environmental Sciences, physics or related areas, with competences and/or expertise in the area of numerical climate modelling (or associated fields), and fully comply with the following requirements:

- a) The PhD must have been awarded at least 5 years ago;
- b) Proven scientific and/or professional experience in the area of high-performance computing, including good knowledge of Linux system management in the context of multi-node clusters implementing MPI and OPEN-MP applications in Fortran 90 – Information provided on the CV;
- c) The candidate should also have experience in Earth System data analysis – Information provided on the CV.

<sup>1</sup> Please note that Degrees obtained in foreign countries need a Portuguese Recognition issued by a Portuguese high degree Institution, according to the [Decree-Law nr. 66/2018](#), of August 16<sup>th</sup> and the [Ministerial Order nr. 33/2019](#), of January 25<sup>th</sup>. The presentation of such Recognition is mandatory for contract signature. More information can be obtained in: <https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition>.

### **II. Preferential Requirements**

- a) R&D activities in meteorology, oceanography or climate modelling - Information provided on the CV;
- b) Publication of scientific papers in refereed journals, in the last five years - Information provided on the CV;
- c) Capacity to attract competitive funding, translated into participation or leadership in national and/or international scientific projects in the requested area(s) of expertise – Information provided on the CV.

### **III. Applicable Law**

- 1. Portuguese Labour Code, as approved by Law No. 7/2009, of February 12<sup>th</sup>, in its current version (CT);

2. Regulation of Carreiras de Investigação Científica e de Gestão de Ciência e Tecnologia da FCIências.ID – Associação para a Investigação e Desenvolvimento de Ciências (Regulamento de Carreiras) available on <https://fciencias-id.pt/node/50>.

#### **IV. Working place**

The position to be filled requires training at PhD level and relevant professional experience, to ensure that the candidate to be hired: will enable the operational maintenance of the IDL High Performance Computing System, composed of different multi-node computer clusters and storage systems; will implement regular updates and upgrades in this system; will support IDL researchers in different areas in the development and deployment of numerical models

#### **V. Composition of the Jury**

In accordance to article 13 of the RCD, the members of the jury are:

- President - Pedro M. A. Miranda (Universidade de Lisboa, Faculdade de Ciências, Full Professor);
- 1<sup>st</sup> Member of the jury - Ricardo Trigo (Universidade de Lisboa, Faculdade de Ciências, Full Professor);
- 2<sup>nd</sup> Member of the jury - Emanuel Dutra (IPMA Researcher);
- 1<sup>st</sup> Alternate Member of the jury - Filipe Rosas (Universidade de Lisboa, Faculdade de Ciências, Assistant Professor with Aggregation);
- 2<sup>nd</sup> Alternate Member of the jury - Luís Matias (Universidade de Lisboa, Faculdade de Ciências, Associate Professor with Aggregation).

#### **VI. Place of work**

Work will be developed at the facilities of Research Center IDL – Institute Dom Luiz, in Campo Grande, Lisboa, Portugal.

#### **VII. Contract Duration**

The full-time indefinite term employment contract, on an exclusive regime, is expected to start in November 2022, including an initial experimental trial period of 180 days.

#### **VIII. Monthly Allowance**

The gross monthly salary is 3 230,21 Euros, corresponding to the position 3 of Laboratory and Computer Infrastructures specialist (EILC), of the Science & Technology Management (CG&T) career of the FCIências.ID Regulation on the careers of Scientific Research and Science & Technology Management, plus holiday and Christmas allowances, as well as food allowance in the amount and conditions set out for workers with a legal employment relationship under the Labour Code.

Career progression is possible, upon a positive evaluation of the carried-out activities, in accordance with the Regulations for Scientific Research Careers and Science and Technology Management of FCIências.ID.

#### **IX. Evaluation of applications**

1. Failure to comply with the Admission Requirements implies the non-admission of candidates in absolute merit.

2. The selection of the candidates approved in absolute merit will rely on the evaluation of their scientific and curricular achievements in the last five years, taking into consideration the quality and relevance of the scientific production, and the professional activity indicated as more relevant by the candidate
3. Based on the assessment of the candidates' scientific and curricular background in the last five years, each member of the jury presents a justified proposal for admission (final classification equal to or greater than 70%) or exclusion (final classification below XX%) for each candidate, according to the evaluation criteria referred to in paragraph 5.
4. The final classification of candidates is given on a scale of 0 to 100%.
5. Evaluation of the relative merit of candidates, will rely on the following criteria:
  - a) Experience of managing HPC systems for scientific computation - 50%.
  - b) Participation or leadership in relevant scientific projects in the areas of specialisation of this call for applications - 20%;
  - c) Scientific publications in reference journals - 15%;
  - d) Assessment of the references given by the candidate - 15%.
  - e) Interview, if considered necessary by the jury, for the clarification or explanation of elements contained in the candidates' curricula - 10%.
6. The jury will interview the five best ranked candidates [in criteria a) to d) of paragraph 5], for clarifications and improved explanations of curricular elements. If there is an interview, the sum of the classification obtained in the evaluation criteria a) to d) will correspond to 90% of the final classification and the interview will correspond to 10%.
7. The jury shall deliberate by means of a roll-call vote based on the evaluation criteria.
8. Minutes of the jury meetings are drawn up, summarizing all relevant elements considered by jury members, as well as their individual votes and justifications.
9. After completion of the evaluation process, the jury will draw up a ranking of successful candidates with their classifications.
10. Hiring will be decided by the Chairman of the Board of Directors of FCIências.ID, based on the final jury recommendation.
11. The evaluation results will be published on the website of the FCIências.ID ("Concursos" tab). The candidates will be individually notified of the evaluation results by e-mail sent to the address indicated in the "Personal Data" section of the submitted form.
12. With the notification referred to in paragraph 11, the hearing phase of interested parties referred to in Article 121 *et seq.* of the CPA will begin, and last for ten working days.
13. The possible pronouncement of the candidate in a prior hearing must be addressed to the President of the jury and submitted in writing to [concursos@fciencias-id.pt](mailto:concursos@fciencias-id.pt). The President of the jury will convene a jury's meeting to produce the final decision, within thirty working days.
14. Within five working days of the final jury decision, the Chairman of the Board of Directors of FCIências.ID will approve it and the candidates will be notified.
15. The communication between FCIências.ID ([concursos@fciencias-id.pt](mailto:concursos@fciencias-id.pt)) and the candidates will be electronic and will comply with the following rules:
  - a) At the time of electronic submission of any document - namely in the case of paragraph no 12 - the candidates must generate proof of "sent message".
  - b) FCIências.ID will send an email message acknowledging documents received to the email address used by the candidates, within two working days.

- c) In case of absence of a confirmation receipt by FCIências.ID – showing the possibility of technical problems that should neither be the responsibility of the candidate nor FCIências.ID - the candidates should contact FCIências.ID, with the proof referred to in point (a), to ensure delivery and proper receipt of the documents concerned.

#### **X. Compliance with public policies**

1. FCIências.ID actively promotes a policy of non-discrimination and equal access, so that no candidate can be privileged, benefited, disadvantaged or deprived of any right or exempt from any duty due to, inter alia, ancestry, age, sex, sexual orientation, marital status, family status, economic situation, education, social origin or condition, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological beliefs and trade union membership.
2. Under the terms of D.L. No. 29/2001, of February 3<sup>rd</sup>, a disabled candidate has a preference in equal classification, which prevails over any other legal preference. Candidates must declare their respective degree of disability, the type of disability and the means of communication / expression to be used in the selection process, under the terms of the above-mentioned diploma.

#### **X. Submission of Applications**

1. The present call will be open from 4<sup>th</sup> October to 18<sup>th</sup> October 2022.
2. The application and all the required documents may be submitted in Portuguese or English.
3. Applications will be submitted online, through the electronic platform of FCIências.ID (<http://concursos.fciencias-id.pt>).
4. On the electronic platform, applicants will complete a mandatory section on Personal Data [name, address, date of birth, contact email, nationality and scientific identifiers] and upload files with the documents listed below:
  - i. Detailed *Curriculum vitae* in PDF format - *mandatory*;
  - ii. A motivation letter clearly demonstrating that the candidate has an adequate profile for the position and fully complies with the Admission Requirements - *mandatory*;
  - iii. Up to five publications relevant for the objectives of the Work Plan - *mandatory*;
  - iv. Digital copies of documents proving formal academic degrees (PhD) and/or other scientific and professional qualifications - original documents must be provided in case of actual recruitment - *mandatory*;
  - v. Other documents that candidates consider relevant for the assessment of their scientific merit, or to declare the personal situation in the cases covered in section X-2 of this Notice - *optional*.
5. By decision of the Chairman of the Board of Directors of FCIências.ID, candidates who do not submit the documents identified in paragraph 4 will not be admitted to the call. In case of doubts, the Chairman may also invite candidates to substantiate specific data or statements with official supporting documents, before accepting the candidates' submission.

This Public Note was approved by the jury on 3<sup>rd</sup> October 2022.