

#4698

Public Notice - International Selection Procedure
Recruitment of a Science Communicator with a PhD degree
FCiências.ID/2024/DL57/IBEB/1

FCiências.ID - Associação para a Investigação e Desenvolvimento de Ciências, through its Chairman of the Board of Directors, hereby announces the opening of an international call for the recruitment of a Recruitment of a Science Communicator with a PhD degree, of the FCiências.ID Science and Technology Management Career, within the scope of the project 3BA^{tw}in: Bone, Brain, Breast and Axillary Medical Microwave Imaging Twinning (Ref. HORIZON-WIDERA-2023-ACCESS-02-101159623), funded by the European Union's Horizon Europe research & innovation programme under the Grant Agreement No 101159623, in the form of an indefinite duration fixed-term employment contract, on an exclusive regime, according to the Portuguese Labour Code and Decree-Law No. 57/2016, of August 29th, as amended by Law No. 57/2017, of July 19th.

I. Admission Requirements

Portuguese nationals, foreign and stateless persons may submit applications to this selection procedure, provided they hold a doctoral degree¹ in Biomedical Engineering and Biophysics, or similar areas, have specialised skills and expertise in the field of medical microwave imaging, breast cancer, artificial intelligence in medical imaging, and fully comply with the following requirements:

- a) The PhD must have been granted at least 2 years ago;
- b) Demonstrated scientific and/or professional experience in the area of medical microwave imaging (both in simulation environment and with experimental setups), involvement in medical microwave imaging patient studies, breast cancer, artificial intelligence in medical imaging with proven track-record in the area - information provided in the CV;
- c) Experience in participation in national and international projects in the area of medical microwave imaging, experience in co-organising international scientific meetings and convened/special sessions in international conferences - information provided in the CV;
- d) Experience in science communication activities, e.g. research/project website development and maintenance, maintenance of professional social networks (e.g. LinkedIn, ResearchGate), creation and maintenance of clinical data public repositories - information provided in the CV;
- e) Demonstrated experience in supervising Masters and/or PhD students in the scientific area of this call for applications and daily lab management activities - information provided in the CV;
- f) Knowledge in advanced medical signal and image processing techniques, programming languages (Matlab and Python), electromagnetic simulators (e.g. CST, FDTD simulators) - information provided in the CV;
- g) Fluent in English - written and spoken, First Certificate in English level (FCE) – information provided in the CV.

¹ 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 16th and the [Ministerial Order nr. 33/2019](#), of January 25th. 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 activity in medical microwave imaging for a minimum of 5 years - information provided in the CV;
- b) Scientific publications: scientific experience demonstrated by a minimum of 5 publications as 1st or senior author in international scientific journals, and a minimum of 10 publications/abstracts as 1st or senior author in conferences – information provided in the CV;

- c) Past experience submitting intersectoral research projects to national and international funding agencies as PI – information provided in the CV;
- d) Demonstrated experience in outreaching activities in the scientific area of this call - information provided in the CV;
- e) Fluent in Portuguese - native or professional level (equivalent to level C1 or above of the Common European Framework of References/CEFR) – information provided in the CV.

III. Applicable Law

1. Decree-Law No. 57/2016, of August 29th (RCD), in the wording conferred on it by Law No. 57/2017, of July 19th (RCD);
2. Portuguese Labour Code, as approved by Law No. 7/2009, of February 12th, in its current version (CT);
3. Regulatory Decree No. 11-A/2017, of December 29th;
4. Administrative Procedure Code, as published in Decree-Law No. 4/2015, of January 7th, in its current version (CPA).

IV. Work plan

The work plan to be carried out includes the following tasks:

Task 1 – The candidate will contribute to the management of the project, namely to implement a project management structure; to ensure timely delivery of deliverables, milestones and yearly reports as well as communication with the European Commission (EC); and to address risk assessment and ethics issues.

Task 2 – The candidate will contribute to the organisation and will receive training on measuring dielectric properties of biological tissues and tissue mimicking materials, and engage in short missions for dielectric property measurements of biological tissues, in collaboration with the University of Galway, Ireland (GALWAY) – year 1 and 1st half of year 2.

Task 3 – The candidate will contribute to the organisation and will receive training on antenna systems for biomedical applications, and will engage in short missions for the development of antennas for medical applications in collaboration with Politecnico di Torino (POLITO) – Year 2.

Task 4 – The candidate will contribute to the organisation and will receive training on software development for medical microwave imaging, on radar algorithms by GALWAY and on microwave tomography algorithms by POLITO. The candidate will also engage on short missions for the development of algorithms with the collaboration of both GALWAY and POLITO – Year 3.

Task 5 – The candidate will contribute to the organisation and will receive training on bringing medical devices to clinical trials, namely training on clinical trial design and management, and on translation of microwave technology into industry, in collaboration with GALWAY – Year 3.

Task 6 – The candidate will contribute to the organisation and will receive training on the translation of technology and scouting of R&D projects to the administrative staff in collaboration with GALWAY – 2nd half of year 1 and 1st half of year 2.

Task 7 – The candidate will contribute with the dissemination, exploitation, communication and outreach activities; as well as in the establishment of an international association and conference that will be a legacy of 3BATwin.

The work plan is included in Work Packages 1-6 and 8 of the project 3BATwin.

V. Composition of the Jury

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

- President – Raquel Cruz da Conceição, Instituto de Biofísica e Engenharia Biomédica, Faculdade de Ciências da Universidade de Lisboa;
- 1st Member of the jury - João Miguel Pinto Coelho, Instituto de Biofísica e Engenharia Biomédica, Faculdade de Ciências da Universidade de Lisboa;
- 2nd Member of the jury - Brígida da Costa Ferreira, Instituto de Biofísica e Engenharia Biomédica, Faculdade de Ciências da Universidade de Lisboa;

- 1st Alternate Member of the jury - Nuno Manuel Garcia dos Santos, Instituto de Biofísica e Engenharia Biomédica, Faculdade de Ciências da Universidade de Lisboa;
- 2nd Alternate Member of the jury – Nuno Miguel de Pinto Lobo e Matela, Instituto de Biofísica e Engenharia Biomédica, Faculdade de Ciências da Universidade de Lisboa.

VI. Place of work

Work will be developed at the facilities of Research Center IBEB – Institute of Biophysics and Biomedical Engineering, in Campo Grande, Lisboa, Portugal.

VII. Contract Duration

The full-time indefinite duration fixed-term employment contract, on an exclusive regime, is expected to start in September 2024, and will last until the Work Plan referred to in section IV is completed. It will have an expected duration of 36 months, will not exceed the limits set in the RCD, including an initial experimental trial period of 30 days.

VIII. Monthly Allowance

The gross monthly salary is in accordance with the annex 1 of the Decree-Law no. 124/99, of April 20th, in its current version, corresponding to the remuneration position 1 of the category of Equivalent to Auxiliary Researcher, which corresponds to a gross monthly remuneration of 3.427,59 Euros, on an exclusive regime, on which legal discounts will apply, 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.

IX. Evaluation of applications

1. Failure to comply with the Admission Requirements implies the non-admission of candidates in absolute merit.
2. According to article 5 of the RCD, the selection of the candidates approved in absolute merit will rely on the evaluation of their scientific and curricular achievements in the last five (5) years, taking into consideration the quality and relevance of the scientific production, and the professional activity indicated as more relevant by the candidate, within the scope of the project.
3. Based on the assessment of the candidates' scientific and curricular background in the last five (5) years, each member of the jury presents a justified proposal for admission (final classification equal to or greater than 80%) or exclusion (final classification below 80%) for each candidate, according to the evaluation criteria referred to in no. 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) Curriculum Vitae – 40%;
 - b) Assessment of the scientific publications in the area - 15%;
 - c) Motivation letter - 20%;
 - d) Participation in relevant scientific projects in the area - 15%;
 - e) Pedagogical, extension and outreaching of knowledge activities, in particular in the context of the promotion of scientific practices, organization of courses, seminars and conferences for promotion and dissemination in the area of the call - 10%;
 - f) Interview, if deemed necessary by the jury - 10%.
6. The jury may decide to interview the 2 best ranked candidates [in criteria a) to e) of no. 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 e) 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 the no. 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. 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) 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 no. 13 - 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. Processing of personal data

1. FCIências.ID - Associação para a Investigação e Desenvolvimento de Ciências, as the responsible for processing the personal data, in accordance with the [General Data Protection Regulation](#), collects and processes the personal data requested in the context the job application, under paragraphs b) and c) of Article 6.1 of the General Data Protection Regulation (RGPD).
2. The personal data shall be kept for the period necessary for the execution of the purposes for which they are intended, and the processing and protection, in an appropriate and diligent manner, of the confidentiality and integrity of such data shall be ensured through appropriate technical and organisational measures.
3. Personal data may be transmitted to third parties, namely the entity funding the research project, solely for the purposes specifically established. In this sense, whenever necessary the transfer of personal data to countries outside the European Union and/or international organizations, compliance with the applicable legal provisions shall be ensured.
4. You have the right to request access, rectification, erasure, limitation of processing, the right to object and also data portability (if technically feasible) by sending an e-mail to: dpo@fciencias-id.pt. You also have the right to lodge a complaint with the National Data Protection Commission.

5. For more information, we recommend that you consult the Internal Rules of Data Protection of FCIências.ID - Association for Research and Development of Sciences at <https://fciencias-id.pt/>.

XI. 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 3rd, 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.

XII. Submission of Applications

1. The present call will be open from the 23rd of July 2024 to the 5th of August 2024.
2. The application and all the required documents must 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 ([written in English](#)) - *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. Digital copies of documents proving qualification in First Certificate in English (FCE) - *mandatory*;
 - vi. 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 XI-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 no. 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 the 19 of July 2024.