

#4274

## Public Notice - International Selection Procedure

### PhD Scientific Researcher Recruitment (Initial Stage Researcher)

FCiências.ID/2023/DL57/BioISI/2

**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 Scientific Researcher with a PhD degree, in the category of Initial Stage Researcher, of the FCiências.ID Scientific Research Career, within the scope of the project NanoBioMitig: Nanoengineering systems designed with natural phytochemicals to mitigate biofouling on industrial surfaces (Ref. 2022.06149.PTDC), financed by Fundação para a Ciência e a Tecnologia, I.P./MCTES through national funds (PIDDAC), 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 29<sup>th</sup>, as amended by Law No. 57/2017, of July 19<sup>th</sup>.

#### 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 Chemical Engineering and Applied Chemistry, and fully comply with the following requirements:

- a) The PhD must have been granted less than 3 years;
- b) Demonstrated scientific and/or professional experience in nanotechnology and bio-nanotechnology - information provided in the CV and/or in the motivation letter;
- c) Experience on the synthesis and functionalization of nanomaterials/bio-nanomaterials - information provided in the CV and/or in the motivation letter;
- d) Experience in characterization techniques of nanomaterials/bio-nanomaterials - information provided in the CV and/or in the motivation letter;
- e) Proven scientific and/or professional experience in the above-mentioned topics, demonstrated by the quality and number (minimum 6) of scientific papers published in peer-reviewed scientific journals - Information provided in the CV and/or in the motivation letter;
- f) Proven scientific and/or professional experience in national and international research projects related to biofouling mitigation strategies and allied effects (e.g. biocorrosion) - information provided in CV and/or in the motivation letter;
- g) Fluency in English language (written and spoken) - information provided in CV and/or in the motivation letter.

<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 activity in the laboratory, including synthesis and modification of nanomaterials and bioactivity testing - information provided in the CV and/or in the motivation letter;
- b) Experience in characterization techniques, including NMR, FTIR, UV-Vis, HPLC, XPS, DRX, SEM/TEM, TG-DSC - information provided in the CV and/or in the motivation letter;
- c) Experience in participation in national and/or international scientific projects in the scientific areas of this call for applications - information provided in the CV and/or in the motivation letter;
- d) Scientific experience demonstrated by the publications as 1<sup>st</sup> author in international scientific journals and book/book chapters or patents authorship and/or co-authorship - information provided in the CV and/or in the motivation letter;
- e) Demonstrated experience in outreaching activities, participation and/or organization of events in the scientific areas of this call - information provided in the CV and/or in the motivation letter.

### **III. Applicable Law**

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

### **IV. Work plan**

The work plan to be executed includes the following tasks:

- 1) Synthesis, functionalization and characterization of nanomaterials;
- 2) Preparation and participation in project meetings and subsequent actions;
- 3) Support in the publication of results in peer-reviewed scientific journals and other means;
- 4) Participation in dissemination, communication and involvement of project agents' activities.

The work plan is distributed in tasks 1, 2 and 6 of the project NanoBioMitig, although the fulfilment of project tasks goes beyond the expected duration of the contract.

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

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

- President – Professor Manuela Pereira;
- 1<sup>st</sup> Member of the jury – Dr. Elisabete Ribeiro Silva;
- 2<sup>nd</sup> Member of the jury – Dr. Ana P. Carapeto;
- 1<sup>st</sup> Alternate Member of the jury – Dr. Mário S. Rodrigues;
- 2<sup>nd</sup> Alternate Member of the jury – Professor Carla Nunes.

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

Work will be developed at the facilities of Research Center BioISI – BioSystems & Integrative Sciences Institute, 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 June 2023, and will last until the Work Plan referred to in section IV is completed. It will have an expected duration of 12 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 stipulated in clause 1 a) of article 15 of the RCD, corresponding to level 33 of the Single Remuneratory Table, as approved by Government Order No. 1553-C/2008, of December 31<sup>st</sup>, in its current version, updated by the decree-law nr. 84-F/2022, of December 16<sup>th</sup>, being 2206,05 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 NanoBioMitig.
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 50%) or exclusion (final classification below 50%) 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) Scientific publications in the area - 65%;
  - b) Motivation letter - 10%;
  - c) Participation in relevant scientific projects in the area - 15%;
  - d) Extension and outreach activities of knowledge, in particular in the context of the promotion of scientific practices, organization and participation in conferences for promotion and dissemination in the area of the call - 10%;
  - e) Interview, if deemed necessary by the jury - 10%.
6. The jury may decide to interview the 3 best ranked candidates [in criteria a) to d) 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 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 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](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 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. 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.

#### **XI. Submission of Applications**

1. The present call will be open from the 20<sup>th</sup> of April 2023 to the 5<sup>th</sup> of May 2023.
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 - *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 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<sup>th</sup> of April 2023.