

#4212

Public Notice - International Selection Procedure

Recruitment of a Research Trainee with a Master Degree (employment contract)

FCiências.ID/2023/BioISI/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 Research Trainee with a Master Degree, of the FCIências.ID Scientific Research Career, within the scope of the project TWIN2PIPSA: Twinning for excellence in biophysics of protein interactions and self-assembly (Ref. HORIZON-WIDERA-2021-ACCESS-03-01), financed by the European Union under Horizon Europe - Community Framework Program for Research & Innovation, through Grant Agreement nº 101079147, in the form of a(n) full-time definite duration fixed-term employment contract, 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, with a Master degree¹ in Biochemistry, Molecular Biology and Genetics or similar areas, and fully comply with the following requirements:

- a) Proven experience in recombinant protein expression and purification and protein biochemical and biophysical characterization - information provided in the CV and/or in the motivation letter;
- b) Experience in amyloidogenic proteins and amyloid aggregation - information provided in the CV and/or in the motivation letter;
- c) Proven previous academic experience in aggregation kinetics studies of the tau protein - information provided in the CV and/or in the motivation letter;
- d) Experience in laboratory organization and management activities - information provided in the CV and/or in the motivation letter.

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) Relevant scientific and/or professional training in Molecular Biology, Biophysics and Biochemistry - information provided in the CV and/or in the motivation letter;
- b) R&D laboratory activities experience, including bacterial cultures, expression of recombinant amyloidogenic proteins (e.g. beta amyloid protein, Tau) and their purification using medium/high pressure chromatographic systems and protein biochemical characterization - information provided in the CV and/or in the motivation letter;
- c) Proficiency in methods for the study of protein aggregation (kinetics assays using a fluorescence microplate reader, sample preparation for morphological analysis of protein aggregates by microscopy techniques) and toxicity tests - information provided in the CV and/or in the motivation letter;
- d) Experience in data processing and mechanistic analysis of amyloid formation - information provided in the CV and/or in the motivation letter;
- e) Knowledge in programming languages (e.g., Python) applicable to the collection, analysis and management of data- information provided in the CV and/or in the motivation letter;
- f) Laboratory management experience (organization, management of stocks and orders) - information provided in the CV and/or in the motivation letter;
- g) Fluency in English language (written and spoken).

III. Applicable Law

1. Portuguese Labour Code, as approved by Law No. 93/2019, of September 04th, in its current version (CT);
2. 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:

- 1) Production and biochemical and biophysical characterization of tau and proteins from the S100 family;
- 2) Kinetic studies and mechanistic analysis of protein aggregation and effect of modulators;
- 3) Support in the project management activities;
- 4) Participation in dissemination activities, communication and involvement of project stakeholders.

The work plan is included in work packages 5 (WP5 - Exploratory research project), 1 (WP1 -Project Management) and 6 (WP6 - Dissemination, Exploitation and Communication).

V. Composition of the Jury

The members of the jury are:

- President - Cláudio M. Gomes;
- 1st Member of the jury – Patrícia Faísca;
- 2nd Member of the jury – Bárbara J. Henriques;
- 1st Alternate Member of the jury – Romana Santos;
- 2nd Alternate Member of the jury – Federico Herrera.

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 definite duration fixed-term employment contract, is expected to start in April 2023, with a duration of 7 months, will not exceed the limits set in the CT, including an initial experimental trial period of 30 days.

VIII. Monthly Allowance

The gross monthly salary corresponds to 1580,71 Euros, corresponding to level 21 of the Single Remuneratory Table, as approved by Government Order No. 1553-C/2008, of December 31st, in its current version, updated by the decree-law nr. 84-F/2022, of December 16th, on a full-time 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. The final classification of candidates is given on a scale of 0 to 100%.
3. Based on the assessment of the candidates' scientific and curricular background, each member of the jury presents a justified proposal for admission (final classification equal to or greater than 65%) or exclusion (final classification below 65%) for each candidate, according to the evaluation criteria referred to in paragraph 4.
4. Evaluation of the relative merit of candidates, will rely on the following criteria:
 - a) Curriculum Vitae - 70%;
 - b) Motivation Letter - 30%;
 - c) Interview, if deemed necessary by the jury - 20%.
5. The jury may decide to interview the 3 top ranked candidates [in criteria a) to b) of paragraph 4], 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 b) will correspond to 80% of the final classification and the interview will correspond to 20%.
6. The jury shall deliberate by means of a roll-call vote based on the evaluation criteria.
7. Minutes of the jury meetings are drawn up, summarizing all relevant elements considered by jury members, as well as their individual votes and justifications.
8. After completion of the evaluation process, the jury will draw up a ranking of successful candidates with their classifications.
9. Hiring will be decided by the Chairman of the Board of Directors of FCIências.ID, based on the final jury recommendation.
10. 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.
11. With the notification referred to in paragraph 10, the hearing phase of interested parties referred to in Article 121 *et seq.* of the CPA will begin, and last for ten working days.
12. 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.
13. 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.
14. 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 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 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.

XI. Submission of Applications

1. The present call will be open from the 7th of March 2023 to the 20th of March 2023.
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.fcencias-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 (written in English) - *mandatory*;
 - iii. PDF of Master thesis – *optional*
 - iv. Digital copies of documents proving formal academic degrees 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 the 6th of March 2023.