



CALL FOR APPLICATION FOR A RESEARCH SCHOLARSHIP

Ref^a: Sinfonia -02708800– BI- 14

[Portuguese version](#)

A call for tenders is now open for the attribution of one Research Scholarship within the scope of the Project “SINFONIA - Sustainable Agroecosystems, Food Innovation, and Artistic Practices for Climate Adaptation” financed by the European Union (FEDER), through the Northern Regional Programme (Norte 2030), under the following conditions, set out below.

Scientific area: Biomedical Engineering

Admission requirements:

General requirements:

Candidates for the research grant must hold a master’s degree in Biomedical Engineering or related fields

Specific requirements:

Candidates must also have knowledge/research experience in the following areas:

- a) Academic qualifications at master’s level in Biomedical Engineering or related fields.
- b) Experience in the development of predictive artificial intelligence systems, including machine learning and deep learning.
- c) Knowledge of data acquisition using IoT systems controlled by Arduino.
- d) Good oral proficiency in English.

Preferred Factors:

Will be considered preferred factors:

- a) Experience in the application of artificial intelligence (AI) techniques, such as machine learning or deep learning.
- b) Familiarity with IoT sensor systems (Arduino, Raspberry Pi, etc.) and their integration with data analysis platforms.



c) Previous participation in applied research projects and/or scientific experience, including publications in the area of intelligent decision support systems or science communication and public outreach activities.

Candidates for the Research scholarship must also be enrolled or commit to enrolling in a course that does not lead to an academic degree that promotes the consolidation of their scientific training¹.

Work Plan:

The fellow will be responsible for the use and adaptation of a previously developed system for environmental data collection and analysis, through the integration of new IoT sensors supported by Arduino based microcontrollers.

The fellow will also participate in the development and implementation of automated and predictive data analysis models based on artificial intelligence techniques, using experimental and environmental data acquired by the sensors, with the aim of predicting biodeterioration processes.

These models will enable more accurate forecasting of changes under different climatic and environmental contexts.

Applicable legislation and regulations:

- Statute of the Scientific Research Fellow: <https://dre.pt/web/guest/legislacao-consolidada/-/lc/58216179/view?w=2019-08-28>;
- Regulation of Research Scholarships of the Science and Technology Foundation, I.P: <https://dre.pt/application/conteudo/127238533>;
- Regulation of Research Scholarships of the Portuguese Catholic University: http://www.porto.ucp.pt/sites/default/files/files/DRH/RegBolsasInvestigacao_Cientifica_UCP2_020.pdf

¹ Candidates are given the possibility, at the application stage, to submit only a declaration of commitment to enroll in a course that does not confer an academic degree under the terms mentioned above. If the candidate is selected, the delivery failure of the effective enrollment document for the course, within *ten working days*, following the date of communication of the selection, will be considered as withdrawal of the candidate for the scholarship investigation for which you were selected



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Workplace:

The work will be developed at the CBQF - Centro de Biotecnologia e Química Fina. of the Universidade Católica Portuguesa in Portugal, in Porto, under the scientific supervision of Prof. Dr. Pedro Miguel Rodrigues.

Duration of the scholarship:

The scholarship, on an exclusive basis, will have a duration of 6 months, with an expected start date of July 1st, 2026.

Monthly maintenance allowance amount:

The amount of the scholarship corresponds to 1 359,64€. according to the research scholarship values awarded directly by FCT, I.P. in the Country (<https://www.fct.pt/wp-content/uploads/2026/03/Tabela-de-Valores-SMM-2026.pdf>) and will be paid by bank transfer.

Selection methods:

The selection methods to be used will be the following: i) curriculum evaluation (70%); ii) previous experience (30%). If necessary, the 3 best positioned candidates may be interviewed, and in this situation, the weighting will be curricular evaluation (65%); ii) previous experience (20%) and selection interview (15%).

Only candidates with a final classification equal to or greater than 70 points, on a scale of 0 to 100, will be selected for this position.

Applications that do not meet the admission requirements, delivered on time and incomplete applications will be considered ineligible.

Composition of the Selection Jury: President of the Jury: Prof. Pedro Miguel Rodrigues, Effective Members: Doctor Clara Sousa and Prof. Maria Inês Barbosa. Substitute Jury: Prof. Elisabete Pinto.



Form of advertising/notification of results: The jury deliberates in accordance with the selection criteria adopted and disclosed. The jury meetings minutes will contain a summary of the meeting content. After completing the application of the selection criteria, the jury proceeds with the elaboration of the ordered list, with the ranking of the approved candidates. The ranking list of eligible candidates will be published on the premises of the Universidade Católica Portuguesa, in Porto, located at Rua de Diogo Botelho, 1327, 4169-005 Porto - Portugal, with each candidate being notified of his/her position on the list ranking of candidates via email. Ineligible applicants will be notified by email, with details of the missing eligibility elements.

Complaint and appeal procedures: Candidates have a period of ten working days, after the disclosure referred to in the previous number, to give their opinion at a prior hearing.

Deadline for acceptance of the scholarship: Within ten working days following notification of the grant award, the selected candidate must confirm in writing his/her availability to start the scholarship on the proposed date. Failing to do so or not having availability, the candidate placed in the next position will be called.

Application deadline and form of submission:

Candidates submit their application from May 8, 2026. until May 22, 2026. (until 5 pm, Lisbon time).

Applications are formalized by completing the **Application Form** <https://hr-ucpporto.inqueritos.porto.ucp.pt/952217?lang=en>.

It will be necessary to submit the following documents:

- 1) Cover letter, identifying the title and reference of the project, describe the motivation and professional objectives of the candidate.
- 2) Detailed Curriculum Vitae (should contain all the elements to assess the admission requirements, including language knowledge and research experience).
- 3) Copy of the certificate(s) of qualifications conferring academic degree in the terms requested in the notice, which contain the final classifications.



- 4) Registration of recognition of the academic degree awarded by a foreign higher education institution, preferably with the registration of the conversion of the respective final classification to the Portuguese classification scale to guarantee eligibility in this call for application².
- 5) Proof of enrollment in a course that does not award an academic degree or declaration of commitment to enroll in a course that does not award an academic degree as set out in the admission requirements.

Only applications received during the opening period of the above-mentioned call shall be considered. Candidates who incorrectly formalize their application or who do not prove the requirements of this call are excluded. False statements made by applicants will be punished under the law.

Privacy Policy:

Universidade Católica Portuguesa is the controller responsible for the processing of Personal Data in accordance with Regulation (EU) 2016/679 – General Regulation on Data Protection.

The personal data processed in the scope of this tender procedure is processed within the framework of said tender procedure only and will be processed by Universidade Católica Portuguesa with the purpose of verifying the fulfilment, by the candidates, of the assumptions established in the applicable legislation for their contracting. Opposition to the processing of data by the candidates will make it impossible to accept the application and, therefore, to analyse and evaluate it.

The personal data of the Data Subject, if it be indispensable for the fulfilment of the obligations of Universidade Católica Portuguesa, may be conveyed to third parties, namely to the Financing Entities identified in this announcement.

The data retention period shall correspond to the legally defined period of five years.

The Data Subject is entitled to oppose to the collection and processing of data, has the right to verification, the right to rectification, the right to deletion, and the right to restriction of processing of the data collected. However, the exercise of such rights may be excluded when the personal data is used to protect public interest, namely in the detection and prevention of crimes or when subject to professional rules of confidentiality.

²If the required academic degree has been conferred by a foreign higher education institution, it must comply with the Portuguese legislation on the recognition of foreign degrees, regulated by DL no. 66/2018 of 16 August.

Applicants are advised to consult the website of the Directorate-General for Higher Education (DGES) for additional information on this matter: <https://www.dges.gov.pt/pagina/reconhecimento>.



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The Data Subject has the right of access and portability of the data.

Rights of Personal Data Subjects: <https://www.ucp.pt/rights-data-subjects>.

For purposes of exercising the respective rights, contact the University through the e-mail address compliance.rgpd@ucp.pt or by using the address found at the end of this announcement, through the means set out in "Contacts for clarification".

The Data Subject is always entitled to contact and file a complaint with the Comissão Nacional de Proteção de Dados (Portuguese Supervisory Authority for Personal Data).

Non-discrimination and equal access policy:

Universidade Católica Portuguesa actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, gender, sexual orientation, marital status, family status, family and economic conditions, instruction, 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 convictions, and union membership.

If you have any questions about this position, please contact:

Universidade Católica Portuguesa – Centro Regional do Porto

Rua de Diogo Botelho, 1327

4169-005 Porto, Portugal

Direção de Recursos Humanos

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