



**UNIVERSIDADE DE ÉVORA  
LABORATÓRIO HERCULES**

**RESEARCH SCHOLARSHIP FOR BACHELOR DEGREE – 1 VACANCY  
(1BI/ALMADA/2020)**

21 of November of 2022

A call for tenders is open for 1 Scholarship(s) BI within the scope of the ***project Unveiling the mural painting art of Almada Negreiros (1938-1956): technical, material and diagnostic scientific study as a guide for its future conservation and enjoyment*** (PTDC/ART-HIS/1370/2020), financed by national funds through Foundation for Science and Technology, under the following conditions:

**Scientific area:** Cultural Heritage- Artistic studies

**Admission requirements:** BA Degree chemistry and related areas with experience in the use and interpretation of surface examination methods and analytical techniques applied to the analysis of cultural heritage.

As set forth FCT Research Scholarship Regulation No. 950/2019 of December 16, 2019, article 3 and 6, candidates for “BI” (**Research Grants**) must comply as a rule condition for the award of the scholarship, the effective inclusion in study cycles leading to the attribution of academic degrees or in courses not leading to an academic degree. Courses that do not confer an academic degree correspond to the courses provided for in subparagraph e) of paragraph 3 of article 4 of Decree-Law No. 74/2006 of 24 March and must be developed in a higher education institution in association with at least one R&D unit, including a course plan in one or several research areas of the unit.

**Work plan:**

The candidate will participate in tasks 5 and 6 of the ALMADA project, concerning surface examination and non-invasive on-site analysis, imaging and microanalysis techniques in the laboratory, namely:

- Material and diagnostic characterization with Vis spectrophotometry, FORS, portable optical microscopy and EDXRF; data organization and interpretation;
- Preparation of cross sections;
- Material characterization with imaging techniques and advanced and conventional microanalysis techniques of the constituents of support mortars and paint layers (pigments and



binders) and deterioration products. Techniques to be used: OM-Vis e UV; SEM-EDS,  $\mu$ -FTIR, py-GC/MS,  $\mu$ -Raman and  $\mu$ -XRD Data organization and its interpretation.

In this way, the researcher to be hired and considering his/her profile must:

- Have a spirit of initiative and autonomy in tasks performance.
- Ability to organize and deliver results
- Ability to work with multidisciplinary teams in field and laboratory campaigns.
- Have flexible schedules.
- Collaborate in project extension and dissemination activities.

Extra qualifications considered:

- Proficient in Adobe Excel
- Experience in scientific data processing software
- Ability to write scientific articles in English

**Applicable legislation and regulations:** The granting of the Research Scholarship will be carried out upon the signing of a contract between the University of Évora and the scholarship holder, as set in the template [https://www.fct.pt/apoios/Minuta\\_Contrato\\_Bolsa.docx](https://www.fct.pt/apoios/Minuta_Contrato_Bolsa.docx), pursuant to the Research Scholarship Statute (Law No. 40/2004 of August 18 and Decree-Law No. 123/2019 of August 28) and in accordance with the legislation and Regulation of Research Grants of the Foundation for Science and Technology, IP in force, regulation nº950/2019 of December 16, 2019: <https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt> and other applicable rules.

**Place of work:** The work will be developed at HERCULES Laboratory of the University of Évora, under the scientific guidance of Doctor Milene Gil and Professor António Candeias.

**Duration of the scholarship(s):** The scholarship will have a duration of 6 months renewable till 12 months with a starting on 1 February of 2023.

**Amount of monthly maintenance allowance:** The amount of the scholarship corresponds to €875,98 according to the table of scholarships awarded directly by FCT, I.P. in Portugal (<http://fct.pt/apoios/bolsas/valores>), payments being made monthly, by check or bank transfer.

**Selection methods:**

The selection will be carried out in two phases through Curriculum Assessment and Interview.

In the first phase, candidates will be ranked based on Curriculum Assessment with the following parameters:

- a) Experience and training as described in the "Admission requirements" (maximum 50 points)
- b) Adequacy of the scientific area of specialization (maximum 10 points)



c) Scientific production (scientific articles, oral or panel communications presented at national and international conferences) (maximum 10 points)

The score obtained in the Curriculum Assessment results from the sum of the parameter points.

The 3 best classified candidates in the first phase pass to the second selection phase. The second serialization phase comprises:

- a) Curricular assessment for the first phase (maximum 70 points)
- b) Interview with the candidate (maximum 30 points).

The score obtained in the second phase results from the sum of the points obtained in the Curriculum Assessment and Interview.

**Composition of the Selection Jury:**

President: Doctor Milene Gil

1st Member – Professor António Candeias

2nd Member – Doctor Sara Valadas

1st Alternate Member – Professor Cristina Dias

2nd Alternate Member – Doctor Ana Manhita

**Advertising/notification of results:** The results of the evaluation will be publicized, through an ordered list *by final grade obtained* posted in a visible and public place at Hercules Laboratory being the candidate (a) approved notified through email.

To ensure the right of prior hearing of interested parties, the Final Classification project will be announced by any written means to all interested parties.

After communicating the provisional list of the results of the evaluation, candidates have a period of 10 working days to express their opinion in a preliminary hearing of interested parties.

**Application deadline and submission of applications:** The tender is open from 25 of November to 13 of December of 2022 and the results of the selection will be published by 19 of December of 2022.

Applications must *be formalized, obligatorily, by sending an application letter with the following documents: Curriculum Vitae, certificate of qualifications, motivation letter and other supporting documents considered relevant*).

For the purposes of application, the evidence may be replaced by a declaration of honor signed by the candidate, but the failure to demonstrate that evidence, in the contracting phase, possession of the required degree on the deadline for application or the non-presentation of proof of enrollment in the study cycle or non-degree course, for scholarships with this component, imply the cancellation of the candidate's application.



Academic degrees obtained in foreign countries require registration by a Portuguese Institution in accordance with Decree-Law no. 66/2018, of August 16 and Ordinance No. 33/2019, of January 25th.

The presentation of the certificate is mandatory for the signing of the contract. More information can be obtained at: <https://www.dges.gov.pt/pt/pagina/recognition?plid=374>

Applications must be sent by email to:

Prof. Milene Gil

Hercules laboratory of the University of Évora

email: [milenegil@uevora.pt](mailto:milenegil@uevora.pt)

