



UNIVERSIDADE DE ÉVORA

**Associated Laboratory for Green Chemistry - Clean Technologies and Processes
LAQV-REQUIMTE-University of Évora**

RESEARCH SCHOLARSHIPS FOR BACHELOR'S DEGREE – 1 vacancy

15th of May of 2023

A call for tenders is open for one Research Scholarship for Bachelor's Degree within the scope of the project ELPIS: Engaging Libraries of Promising Oxindoles as Tyrosine-Kinase InhibitorS in Cancer Target Therapy with reference 2022.02910.PTDC, financed by national funds through FCT/MCTES, under the following conditions:

Scientific area: Exact Sciences - Chemistry

Admission requirements:

Bachelor's degree in chemistry, Biochemistry or related areas; Curriculum structure appropriate to the area of research work; Experience in providing support services for research and dissemination of science.

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 work plan will be carried out within the scope of the ELPIS project (reference 2022.02910.PTDC) and aims to develop and consolidate the scientific training of the grant holder through involvement in research work in the area of medicinal chemistry. Preference will be given to Master students (Chemistry, Biochemistry or related areas) so that he/she can carry out his/her dissertation work under this scholarship.

The R&D activities to be developed generally consist of:

- ⇒ synthesize new families of oxindole-type compounds to be tested on tumor cell lines;
- ⇒ study of a new, innovative and more sustainable synthetic route, using multicomponent reactions such as the Ugi reaction and the Petasis reaction;
- ⇒ structure-activity relationship (SAR) analysis of the new compounds and consequent optimization of the molecular structure;



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- ⇒ isolate and characterize the new compounds by spectroscopic and other necessary methods and guarantee their purity to be tested in *in vitro* analysis;
- ⇒ participation in the writing of scientific papers;

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 [former.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://files.dre.pt/2s/2019/12/241000000/0009100105.pdf> and other applicable rules.

Place of work: The work will be developed at the facilities of the Chemistry and Biochemistry Department of the University of Évora, under the scientific guidance of the Doctor Carolina Marques and Professor António Teixeira.

Duration of the scholarship(s): The scholarship will have a duration of 6 months, starting on 1st of October of 2023.

Amount of monthly maintenance allowance: The amount of the scholarship corresponds to €930,98 according to the table of scholarships awarded directly by FCT, I.P. in Portugal (https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM_2023.pdf), payments being made monthly, by check or bank transfer.

Selection methods: The evaluation of the applications will focus on the candidate's Merit (CM), applying the following criteria, valued on a scale of 1 to 5 (or other):

- ⇒ CE: Curricular evaluation based on the undergraduate degree average and the classification in curricular units of interest within the scientific area of this application (50%);
- ⇒ PC: Personal curriculum reflecting the scientific and professional career and motivation letter (35%);
- ⇒ MS: Student attending in an academic degree course, such as a Master's degree in a scientific area related to the proposed work (15%);

If additional evaluation elements are required, an interview may be held between the best ranked candidates in the evaluation process. The interview may have a maximum weight of 20% for the final evaluation.

The final CM classification will be obtained by applying the following formula:

$$CM = (CE \times 0,50) + (PC \times 0,35) + (MS \times 0,15)$$



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Composition of the Selection Jury:

President: Doctor Carolina Silva Marques

1º Member – Professor António Paulo da Silva Teixeira

2º Member – Professor José Eduardo dos Santos Félix Castanheiro

1º Alternate – Doctor Elisabete da Palma Carreiro

2º Alternate – Professor Pedro Miguel Cambeiro Barrulas

Advertising/notification of results: The final results of the evaluation will be announced by means of a list sorted by final classification, sent to the candidates by 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 15th of June of 2023 to 30th of June of 2023 and the results of the selection will be published by 17th of July of 2023.

Applications must be formalized, obligatorily, by sending an application letter with the following documents: *Curriculum Vitae, certificate of qualifications, 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 academic 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:

Doutor Carolina Silva Marques

LAQV-REQUIMTE-University of Évora

e-mail: carolsmarq@uevora.pt

