

Research Grant (BI) (1 vacancy)

Reference: 022_020_BI_M_CTA-AMB

A competition is open for the attribution of 1 Research Grant in the context of the project "Siderophore efflux pump inhibitors (SEPIs) conjugates: A new concept for environmental problems", with the reference EXPL/CTA-AMB/0810/2021, within the R & D Institutions CIIMAR (Interdisciplinary Centre of Marine and Environmental Research), supported by FCT, according to the following conditions:

1. Scientific area:

Chemistry

2. Admission requirements:

The candidate must hold a master degree in the field of Pharmaceutical Chemistry or related fields, and be enrolled in a PhD programme (preferably in Pharmaceutical Sciences) **or** in a non-degree course integrated in the educational project of a higher education institution, developed in association or cooperation with one or several R&D units. If the applicant is not yet enrolled, she/he must meet the requirements to register; enrolment will be mandatory and proof necessary **only at the moment of scholarship contracting**. Additionally, as eliminatory factor, the candidate must have a Portuguese language proficiency certificate (minimum level: B2, except for candidates from Portugal and those from the Portuguese-speaking countries).

Note: In the case of enrollement in courses that do not confer academic degree, the research grant can only be awarded to those who do not exceed, with the signing of the research grant contract in question, including possible renewals, an accumulated period of two years in this type of grant, consecutive or interpolated.

Academic degrees awarded by a foreign higher education institution must comply with the provisions of Decree-Law no. 66/2018 of 16th August, which approves the legal regime of recognition of academic degrees and diplomas of Higher Education, attributed by foreign higher education institutions, being any formalities established therein fulfilled **only by the date of the contracting act**.

Preference will be given to candidates:

- with previous experience in the synthesis of organic compounds, mainly heterocyclic compounds; antimicrobial screening, namely in vitro antifungal activity; strong knowledge of analytical techniques: mono- and bi-dimensional NMR, mass spectrometry, Infrared, and UV-Vis; writing and submitting manuscripts for publication;
- that are enrolled or able to be enrolled in a PhD programme (preferably in Pharmaceutical Sciences) or in a non-academic degree course integrated in an educational project of a higher education institution, developed in association or cooperation with one or several R&D units.

Candidates are expected to be highly self-motivated individuals, willing to pursue a PhD degree, who enjoy working as part of a collaborative team on challenging projects. Strong communication (fluency in Portuguese and English) and teamwork skills are essential.

3. Work plan:

The selected candidate will be involved in an initial task of synthesis and characterization of Siderophore efflux pump inhibitors (SEPIs) in terms of their potential to inhibit efflux pumps and to investigate the ready biodegradability and complexation properties with different metals.

4. Legislation and official rules:

Law nº. 40/2004, 18th August (Research Fellowship and Studentship Regulation) in its current version; Regulations for Studentships and Fellowships of the *Fundação para a Ciência e a Tecnologia, I.P.* and CIIMAR Grants Regulation approved by FCT.

5. Work place:

The work will be carried out in Faculty of Pharmacy of the University of Porto (FFUP), R. Jorge de Viterbo Ferreira 228, 4050-313 Porto, integrated in the Medicinal Chemistry: Drug Discovery and Drug Design team of CIIMAR, under the coordination of Doutora Diana Isabel Soares Pereira Resende.

6. Duration of the contract:

Duration of 12 (twelve) months, with a provisional start on March 2022, under the regime of exclusive dedication.

7. Monthly salary:

The monthly maintenance allowance is 1.144,64 € (one thousand one hundred and forty-four euros and sixty-four cents), in agreement with the monthly maintenance stipend table of the grants directly attributed by FCT, I.P. within the country: <https://www.fct.pt/apoios/bolsas/valores.phtml.en>. Payment will be made by bank transfer. In addition to this allowance, the grantee will be covered by a personal accident insurance.

8. Selection methods:

The ranking of candidates will be done based on the evaluation of the Curriculum Vitae (EC) performed according to the following criteria:

The candidates' CV score (CVS) will be the sum of the evaluation for the Academic Qualification (AQ) and the Professional Experience (PE), in accordance with the formula: $CVS = AQ + PE$. The Academic Qualification (AQ) and the Professional Experience (PE) will evaluate the merit of the candidate, and are evaluated with the following subcriteria: AQ. Overall assessment of the curriculum - will have a weighting of 50% and will evaluate the following sub-factors: • Academic course and MsC degree (25%) • Scientific publications (15%) • Participation in scientific meetings / national and international congresses, and Prizes (10%); PE - Expertise / skills in the field of research indicated - will have a weighting of 50% and will evaluate the following subfactors: • Laboratory experience in the synthesis of organic compounds (heterocyclic compounds) and in

structure elucidation (mono- and bi-dimensional NMR, mass spectrometry, Infrared, and UV-Vis) (25%) • Laboratory experience in antimicrobial screening, namely antifungal (15%) • Experience in publishing articles and reports in the relevant scientific areas (10%).

The evaluation process includes a professional selection interview, for candidates with 17 values on the global Curriculum Vitae evaluation. The interview will be classified in a scale of 0 to 20 values, and will be used to clarify aspects related to the candidate's research results, having a maximum weight of 10% of the total evaluation. The interview is optional in the case of a single candidate in the previous conditions. The jury reserves the right to not assign the research grant if none of the candidates meets all requirements and matches the desired profile.

9. Composition of the jury selection:

President of the jury: Doutora Diana Isabel Soares Pereira Resende

Vogal: Professora Doutora Maria Emília Pereira de Sousa

Vogal: Professora Doutora Marta Ramos Pinto Correia da Silva Carvalho Guerra

10. Form of advertising/notification of results:

The final results of the evaluation will be published through a list sorting the candidates according to their attributed mark, on the CIIMAR website and by e-mail; After the announcement of the results, candidates are considered automatically notified to, if they wish to do so, comment on the results on a preliminary hearing period within 10 working days after that date, as provided for in the *Código do Procedimento Administrativo*. The jury reserves the right to not assign the grant depending on the quality of the applications.

In case of resignation or withdrawal of the selected candidate, the next candidate with the highest evaluation score will be notified immediately.

11. Deadline for application and presentation of applications:

The competition is open from **24/02/2022** until **10/3/2022**. The applications must be formalized, compulsorily, by sending the following documents:

- detailed Curriculum vitae, in Portuguese or in English;
- past research activities and its relevance to the current project explained in a motivation letter written in Portuguese or English;
- certificates (copy) of the previous academic degrees, specifying mandatorily the final classification. Only candidates who have completed the Master degree by the end of the application period will be admitted. If they do not yet have the official degree certificate, a declaration of honour from the candidate stating that he/she has completed the qualifications required by the end of the application period, will be accepted. At the time of the respective hiring the candidate must present the official degree certificate;
- For degrees obtained abroad, proof of recognition of academic degrees assigned by foreign higher education institutions and registration of the conversion of the final

classification (GPA) to the Portuguese classification scale. Alternatively, the candidate's declaration of honour attesting to the request for recognition of degrees may be included;

- evidence of enrolment in a doctoral program or non-academic degree course, if applicable. Alternatively, the candidate's declaration of honour attesting the commitment to enrol in a Doctoral Program or a non-academic degree Course integrated in the educational project of a Higher Education Institution, if selected for the scholarship and accepted the award. Proof of enrolment in a doctorate or a non-academic degree Course integrated in the educational project of a Higher Education Institution is mandatory at the moment of scholarship contracting;
- Portuguese language proficiency certificate (not applicable for candidates from Portugal and those from the Portuguese-speaking countries);
- contact e-mail address and phone number.

The applications must be sent by e-mail to: rh@ciimar.up.pt, with the reference "022_020_BI_M_CTA-AMB" in the subject line. The applications that **do not include all** the elements previously indicated will **not be considered**.

12. Non-discrimination and equal access policy:

CIIMAR 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, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

Pursuant to Decree-Law no. 29/2001 of 3 February, disabled candidates shall be preferred in a situation of equal classification, and said preference supersedes any legal preferences. Candidates must declare, on their honour, their respective disability degree, type of disability and communication/expression means to be used during selection period on their application form, under the regulations above.