

PUBLIC NOTICE

Competition for granting one Post-Doctoral Research Scholarship (BIPD)

A tender is open for the attribution of one Post-Doctoral Research Scholarship, within the scope of the R&D project «Bioelectrochemical system for CO₂ mitigation», shortened for «CO₂Free», reference PTDC/BTA-BTA/0935/2020, funded by Fundação para a Ciência e a Tecnologia, I.P. /MCTES (PIDDAC), under the following conditions:

1. **Scientific Area:** Biochemistry, Biotechnology, Chemistry

2. **Recipients profile/category:**

Mandatory requirements: PhD Degree in Biochemistry, Biotechnology, Chemical and Biochemical Engineering, Biological Engineering, Chemistry or related fields. The applicant must have completed a PhD degree and that degree must have been obtained within the three years prior to the date of submission of this application. The document(s) certifying the PhD degree may be replaced, at the application stage, by a declaration of honour by the candidate, with verification of this condition only at the moment of Scholarship contracting. For candidates whose PhD degree has been obtained by a foreign Higher Education Institution, the respective recognition may be replaced, at the application stage, by a declaration of honour by the candidate, with this condition being verified only during the Scholarship contracting stage. The candidate cannot exceed an accumulated period of three years, consecutive or interpolated, in this type of Scholarship, including the contract here in competition and the indicated renewals. To assess this assumption, it is relevant the award of this Scholarship type under Regulation no. 950/2019, of 16 December, and BPD awarded in the previous regulatory period, financed directly or indirectly by FCT. Furthermore, the candidate cannot have carried out most of the work leading to his/her doctoral degree at LAQV, REQUIMTE, FCT NOVA, nor have been awarded another BIPD Scholarship with this Institution (following the Regulation of Research Grants, in no. 4 of Article 7). The assessment of these requirements, at the application stage, will be made through the presentation of a declaration of honour from the candidate to attest to their compliance, with these requirements only being verified at the moment of Scholarship contracting.

Preferred factors: Experience in the proposed theme and methodologies will be considered favourably, as well as, a good command of the English language (written and spoken).

3. **Work Plan:** The PhD Researcher will carry out research activities aiming to develop an enzymatic device to convert carbon dioxide into added-value compounds, under the scope of the «CO₂Free» Project. The fellow will also participate in the project dissemination and communication activities. Key activities include large scale purification of formate dehydrogenases (FDHs) from different *Desulfovibrio* species and their kinetic, mechanistic and electrochemical characterisation; chemical modelling of the FDH active site will also be considered; analysis, treatment, interpretation and presentation of project results; planning, creation and optimisation of experimental protocols. The Researcher shall fully devote the whole of his/her professional activity to NOVA.id.FCT, on an exclusive basis.

4. **Applicable legislation and regulations:** Law No. 40/2004, of August 18, amended and republished by Decree-Law No. 202/2012 of August 27 (Statute of the Scientific Research Fellow) and amended by Decree-Law No. 233/2012 of October 29, by Law No. 12 /2013 of 29 January, by Decree-Law No. 89/2013, of 9 July and Decree-

Law No. 123/2019, of 28 August; Regulation of Research Grants of NOVA.id.FCT – Association for Innovation and Development of FCT; Regulation of Research Grants of the Foundation for Science and Technology, I.P. in force (<https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>).

5. **Workplace:** The work will be developed at the Associate Laboratory LAQV, REQUIMTE, at the Chemistry Department, NOVA School of Science and Technology, FCT NOVA, under the scientific guidance from Dr. Luisa Maia and Professor José Moura. NOVA.id.FCT – Associação para a Inovação e Desenvolvimento da FCT will be the contracting Institution. The Fellow may carry out trips, in Portugal or abroad, inherent to her/his functions or as necessary for her/his activity, namely for project dissemination and communication activities.
6. **Fellowship duration:** The scholarship will have duration of 12 months, starting in September 2021, with the possibility of renewal up to the end of the project and in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P. (as stated and available at: <http://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>).
7. **Monthly maintenance allowance amount:** The amount of the Scholarship corresponds to €1.646.00, according to the table of values of grants awarded directly by FCT, I.P. in the Country (<http://www.fct.pt/apoios/bolsas/valores>), and the payment is made monthly by bank transfer. If the fellowship holder wishes to apply to the Voluntary Social Security, the respective payment will be covered by the project.
8. **Selection criteria:** The ranking criteria will be the scientific merit (40%), the suitability of the candidate's profile for the project (30%), motivation and relevant experience for the development of the project (30%). If justified, the three best candidates selected in the first series will be asked to conduct an interview, and then classified with a weighting of 50% (first ranking) and 50% (interview ranking).
9. **Composition of the Selection Jury:** President of the Jury: José Moura, PhD; Effective Jury Members: Luisa Maia, PhD; Cristina Cordas, PhD; Substitute Jury Members: Isabel Moura, PhD; Marta Carepo, PhD.
10. **Form of advertising/notification of results:** The evaluation results proposed by the jury will be notified, up to 90 days after the deadline for the submission of applications, by email, of the results proposed by the jury, with access to the minutes and the final ranking list. After notification, candidates will have 10 working days to comment on the draft decision (prior hearing of interested parties, under the terms of the Code of Administrative Procedure). The final decision will be taken after the expiry of the prior hearing period, again notified to all candidates by e-mail. Of this final decision the candidates can file a complaint within 15 working days (to the e-mail address used for the notification), or an hierarchical appeal, within 30 working days, addressed to NOVA.ID.FCT's Board through the address coord1@novaidfct.pt.
11. **Application deadline and form of application submission:** Applications are open from July 5th until July 16th, 2021.
12. **The application must consist of a single PDF file including:**
 - i) Motivation letter;
 - ii) Detailed *curriculum vitae* (including e-mail address);
 - iii) Documents proving the academic degrees obtained and their classification;

iv) For academic degrees conferred by a foreign Higher Education Institution, declaration of honour attesting the commitment to obtain the recognition of the academic degree and the conversion of the final classification to the Portuguese scale or obtaining equivalence/recognition of academic degrees. If selected for the scholarship and accepted the award, it is mandatory to present one of the above indicated documents at the moment of the scholarship contracting.

v) Reference letters and contacts (minimum of 2);

vi) Up-to-date statement attesting the candidate's professional status, with an indication of the nature of the bond, duties and teaching hours in annual average, if applicable, which may be replaced by a declaration under honour, if not exercising any professional or service provision activity.

Applications must be formalised, by sending an e-mail to Dr. Luisa Maia (e-mail: luisa.maia@fct.unl.pt), mentioning the reference «PTDC/BTA-BTA/0935/2020_BIPD» in the subject and title of the e-mail.

13. **Drafts:** The drafts of: i) fellowship contract, ii) final report to be presented by the fellowship holder, iii) final report to be presented by the scientific advisor, and; iv) declaration on honor, can all be found on [NOVA.id.FCT website](http://NOVA.id.FCT.website).