

CALL FOR AWARDING RESEARCH FELLOWSHIPS WITHIN PROJECT GRANTS AND R&D INSTITUTIONS

1 (one) Post Doctoral Research Fellowship (BIPD)

1 Post Doctoral Research Fellowship(s) (BIPD) is(are) open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project “Blue Bioeconomy Pact - Ref. C644915664-0000026”, financed by Notice n.º 02/C05-i01/2022 regarding the development of projects within the scope of the Mobilizing Agendas for Business Innovation, framed and financed under component n.º 5 - Capitalization and Business Innovation of the Recovery and Resilience in Portugal, under the following conditions:

1. **Scientific Area:** Biology, Biotechnology, Chemical Engineering, Marine Sciences or related fields

2. **Requirements for admission:**

- 1) PhD in Biology, Biotechnology, Chemical Engineering, Marine Sciences or related field.
- 2) Demonstrated experience in microalgae biotechnology research;
- 3) Experience managing microalgae cultures and microorganisms at a laboratory scale;
- 4) Experience in basic microbiology techniques (e.g. preparation and sterilization of solid and liquid growth media, cell/culture transfer, cell counts, co-culture);
- 5) Experience in experimental design and culture optimization;
- 6) Experience in microalgae isolation methods and other microorganisms;
- 7) Scientific publications in the area of the competition, at least 2 as first author

All the above must be detailed in the CV and/or motivation letter.

3. **Additional optional skills and qualifications:**

- a) Proficient in English both spoken and written;
- b) Experience in molecular techniques, such as metabarcoding, Next Generation Sequencing and analysis of large datasets;
- c) Experience in quantitative description of algae metabolism and analysis of secondary metabolites
- d) Experience in isolation and analytic techniques such as flow cytometry;
- e) Previous participation in national and/or international projects related to microalgae;
- f) Experience in outreach activities in the scientific area of this competition;

All the information should be provided in the CV and/or the motivation letter

4. **Contracting requirements:** Presentation of the academic qualifications and/or diplomas.

5. **Work plan:**

The work plan includes the following tasks:

- 1) Sampling, processing and isolating new microalgae strains to be included in the microalgae Biobank –of Lisbon University (ALISU).
- 2) Maintenance and management of microalgae cultures at a laboratory scale.
- 3) Taxonomic identification of microalgae isolates using molecular methods, microscopy and chemotaxonomy.
- 4) Development of optimal production strategies and selection of microalgae strains for biomass production and secondary metabolites for biotechnological applications.
- 5) Investigation of potential microalgae and microbiome interactions as a strategy for improving secondary metabolite production.
- 6) Introduction of new molecular methods and protocols in biobank maintenance, biodiversity evaluation and database construction;
- 7) Preparation and participation in project meetings and subsequent actions including project reports;

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- 8) Writing and publication of results in peer-reviewed scientific journals and other means;
- 10) Participation in dissemination activities and science communication to the general public.
- 11) Provide support in other activities including laboratory management.

The work plan is included in Sub-Projects SP1a and SP1c of the Blue Bioeconomy Pact: Vertical Algas Project. The fellow is expected to interact with the other partners involved in the sub-tasks, namely “Bioprospection for novel algae” and “Biobank establishment and maintenance”. Sampling tasks may be carried out along the entire Portuguese coast.

6. **Legislation framework:** Research Fellowship Holder Statute, in accordance with Law 40/2004, of 18 August, in its current version and the FCT Regulation for Research Studentships and Fellowships, in its current version (Reg. 950/2019 published in DR on 16th December: <https://dre.pt/application/file/a/127230968>, or at the FCT website: <https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>), and FCiências.ID Fellowship Regulation, as approved on 12th May 2020 (available at [Regulamento de Bolsas de Investigação Científica da FCiências.ID](https://www.fcienciasid.pt/regulamento-de-bolsas-de-investigacao-cientifica-da-fcienciasid)).

7. **Place of work:** The work will be developed at the Marine and Environmental Sciences Centre (MARE-ULisboa) of the Faculdade Ciências da Universidade Lisboa under the scientific supervision of Professor Ana Amorim.

8. **Fellowship duration:** This position is initially opened for 6 months due to start in September 2023. The fellowship contract may be potentially renewed for until the end of the project, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P and FCiências.ID Fellowship Regulation.

9. **Monthly allowance:** The fellowship amounts to € 1 741, according to [table values](#) of the FCiências.ID Fellowship Regulation. The fellowship holder will have a personal accident insurance and can ensure the right to social security through adherence to the voluntary social insurance scheme, if not covered by any other social protection scheme, pursuant to *Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social*. The fellowship will be paid monthly by bank transfer.

10. **Evaluation and selection process:** Candidates will be assessed by

- a) Overall merit of CV- 15%
- b) Motivation letter - 10%
- c) Participation in scientific projects in the area of this call - 10%
- d) Experience in molecular methods - 15%
- e) Experience in algae metabolism research - 15%
- f) Experience in isolation and analytic techniques such as flow cytometry - 5%
- g) Proficient in English spoken and written - 15%
- h) Participation in outreach activities - 5%
- i) Reference letter(s) - 10%

The jury may decide to interview the 3 best ranked candidates, in criteria a) to i), for clarifications and improved explanations of curricular elements. If there is an interview, the sum of the classification obtained in the evaluation criteria a) to i) will correspond to 70% of the final classification and the interview will correspond to 30%.

Applicants whose application is scored with a final classification of less than 70 points are not eligible for granting a fellowship.

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11. Selection Committee:

President: Ana Amorim

Effective member: Helena David

Effective member: Ricardo Melo

Alternate member: Maria Filomena Caeiro

Alternate member: Catarina Guerreiro

12. Publication/notification of results: All the candidates will be notified by e-mail, sent by the call holder, with the selection meeting minutes enclosed.

13. Deadlines: This call for applications is open from 24/07/2023 to 21/08/2023 .

14. Application: Applications should be sent via e-mail to aaferreira@fc.ul.pt, by attaching the following documents:

- a. Curriculum vitae;
- b. Certificate of completion of previous degree ^{Note 1, 2;}
- c. Motivation letter;
- d. At least one reference letter with clear link with the present call.

15. Processing of personal data: FCIências.ID – Associação para a Investigação e Desenvolvimento de Ciências, as the controller under the General Data Protection Regulation, collects and processes the personal data requested in the context indicated in paragraph 14., under the legitimate interests in ensuring the award of the research fellowship to candidates with the indicated profile.

The personal data will be kept for the period necessary for the execution of the purposes for which they are intended, being ensured the processing and protection in an appropriate and diligent way, the confidentiality and integrity of these data, through appropriate technical and organizational measures.

Personal data may be transmitted to third parties, namely the entity funding the research project, solely for the purposes specifically established. In this sense, whenever the transfer of personal data to countries outside the European Union and/or international organizations is necessary, compliance with the applicable legal provisions is ensured.

You have the right to request access, rectification, elimination, limitation of processing, the right to object and also data portability (if technically feasible), through the e-mail address: dpo@fciencias-id.pt. You also have the right to lodge a complaint with the National Data Protection Commission.

For more information, we recommend consulting the Internal Rules of Data Protection of FCIências.ID - Association for Research and Development of Sciences at <https://fciencias-id.pt/>.

16. Time limits for the appeal procedure: In case of negative decision, the candidates have 10 business days, after the date of announcement of the results of the candidates evaluation, to pronounce their disagreement in accordance with the *Código do Procedimento Administrativo*. Appeals against the final decision may be submitted to the Administration Board of FCIências.ID (fciencias.id@fciencias-id.pt) within 15 business days after the notification date

Note 1: The documents that prove the entitlement of the academic qualifications and diplomas can be dismissed during the application period and replaced by a declaration on their honour from the applicant ([Minuta PT](#), [Minute EN](#)). Their delivery is mandatory for the fellowship contractualization.

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Note 2: Please note that - higher education degrees and diplomas awarded by foreign higher education institutions need to be recognized by a Portuguese higher education institution, pursuant to the [Decree-Law nr. 66/2018](#) (August 16) and the [Ministerial Order nr. 33/2019](#) (January 25). The presentation of the recognition certificate is mandatory for contract signature. More information can be obtained at: <https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition>.