

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 “SEMACRET: Sustainable exploration for orthomagmatic (critical) raw materials in the EU: Charting the road to the green energy transition”, HORIZON-CL4-2021-RESILIENCE-01-06 - 101057741, financed by the European Union's Horizon Europe – research and innovation programme under the Grant Agreement nº 101057741, under the following conditions:

1. **Scientific Area:** Geology, petrology, mineralogy, metallogeny
2. **Requirements for admission:**
 - To hold a PhD degree obtained in the three years prior to the date of submission of the application for the fellowship;
 - Post-doctoral research is carried out in a different host entity from the one where the research work that led to the attribution of PhD degree was carried out.
3. **Additional optional skills and qualifications:**
 - Experience in research of petrological and/or metallogenic processes of mafic and/or ultramafic intrusions and/or mantle peridotites;
 - Experience in analytical acquisition and processing of mineralogical data (EMPA, LA-ICP-MS);
 - Experience in geochemical numerical modelling of metallogenic and/or petrological processes (including intensive variables) using mineralogical, isotopic and/or multielemental whole rock data;
 - Track record of peer-reviewed international publications compatible with the career stage.
 - Experience in acquisition, processing and interpretation of geochronological data;
 - Experience in acquisition, processing and interpretation of Nd-Sr-Pb and Re-Os isotopic systematics.
4. **Contracting requirements:** Presentation of the academic qualifications and/or diplomas.
5. **Work plan:** The Beja Layered Gabbroic Sequence (Beja LGS) is a 350 Ma mafic intrusion emplaced at the southern border of the Ossa Morena (OMZ) during the Variscan orogeny. The intrusion spans a compositional spectrum from primitive troctolites to ferrogabbros locally hosting Fe-Ti-V oxide mineralization. Several sulfide occurrences are known to have developed at different evolutive stages, from low-grade Ni-Cu-PGE formed during the main magmatic stage, to late magmatic hydrothermal veins, and higher-grade mineralization hosted in enigmatic clinopyroxenites. The candidate is expected to carry out analytic work independently using a combination of micro-analytical techniques (EMPA and LA-ICP-MS) to characterize an existing collection of well-constrained samples plus additional samples collected during on-going field work in areas under investigation. The candidate is encouraged to propose additional techniques that enable characterizing the trace element chemistry of oxides, sulfides and key silicate phases. This data will be used to build coherent numerical geochemical models that integrates multi-elemental and isotopic (Nd-Sr-Pb-Os) datasets to constrain the genesis of oxide and sulfide ore-forming systems and the metal endowment of LGS source zone and its country rocks; multi-elemental and isotopic (Nd-Sr-Pb-Os) data will be mainly acquired by postgraduate students working in the project that the candidate is expected to assist in their technical and scientific training. Cooperation with other scientists from the consortium working in other reference sites under study is also encouraged. The results will help advance knowledge of the particular category of synorogenic mafic/ultramafic intrusions and improve exploration guides that can be applied in orthomagmatic deposits.

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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](#)).
7. **Place of work:** The work will be developed at Instituto Dom Luiz, Universidade de Lisboa under the scientific supervision of Dr. Ana Jesus.
8. **Fellowship duration:** This position is initially opened for 6 months and due to start in June 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 € 1741, 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) Curriculum evaluation (90%), considering:
- Experience in research of petrological and/or metallogenetic processes of mafic and/or ultramafic intrusions and/or mantle peridotites (20%);
 - Experience in analytical acquisition and processing of EMPA, LA-ICP-MS mineralogical data (20%);
 - Experience in geochemical numerical modelling of metallogenic and/or petrological processes (including intensive variables) using mineralogical, isotopic and/or multielemental whole rock data (20%);
 - Track record of peer-reviewed international publications compatible with the career stage (20%).
 - Experience in acquisition, processing and interpretation of geochronological data (5%);
 - Experience in acquisition, processing and interpretation of Nd-Sr-Pb and Re-Os data isotopic systematics (5%).
- b) Motivation letter (10%)
- If necessary, an interview will be carried out. If there is an interview, the final evaluation will be obtained considering the sum of the criteria a) and b) (90%) and the interview (10%).
- Applicants whose application is scored with a final classification of less than 75 points are not eligible for granting a fellowship.
11. **Selection Committee:** Prof. Dr António Mateus (President of the jury), Dr. Ana Jesus (Effective member), Prof. Dr. Mário Gonçalves (Effective member), Dr. Ícaro Faróis Silva (Alternate member) and Prof. Dr. Telmo Bento dos Santos (Alternate member).
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 05/05/2023 to 15/05/2023 .

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

- a. Curriculum vitae;
- b. Certificate of completion of previous degree;
- c. Motivation letter.

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, or the proof of registration in the academic degree or diploma requested on the call, can be dismissed during the application period and replaced by a declaration on their honour from the applicant. Their delivery is mandatory for the fellowship contractualization.

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>.