

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

### 1 (one) Research fellowship for a MSc student

1 Research Fellowship(s) (BI) for a Master student is(are) open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project/R&D institution “ILGerants - New Ionic Liquids Based Mixtures for Absorption Refrigeration”, “PTDC/EQU-EQU/32066/2017 and LISBOA-01-0145-FEDER-032066”, financed by national funds by FCT / MCTES (PIDDAC) under the programme Call for SR&TD Projects in all Scientific Domains – 2017, and co-financed by the European Regional Development Fund (ERDF), through the Regional Operational Programme of Lisboa, of Portugal 2020, or other future programmes that may succeed it, under the following conditions:

1. **Scientific Area:** Chemistry, Technological Chemistry or similar areas.
2. **Requirements for admission:** Degree in Chemistry, Technological Chemistry or similar areas.
3. **Additional optional skills and qualifications:** Basic knowledge of thermodynamics and calorimetry. Proven experience in the use of thermodynamic properties modelling programs will be valued.
4. **Contracting requirements:** Presentation of the academic qualifications and/or diplomas. Enrolment in a MSc programme.
5. **Work plan:** Determination of the enthalpy of dilution of ionic liquids in water or alcohol at different temperatures, by titration microcalorimetry. Evaluation of the potential of the mixtures under study for absorption refrigeration systems using simulation programs based on thermodynamic properties.
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 16<sup>th</sup> 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 12<sup>th</sup> May 2020 (available at [Regulamento de Bolsas de Investigação Científica da FCiências.ID](#)).
7. **Place of work:** The work will be developed at the Centro de Química Estrutural of the Faculty of Sciences of the University of Lisbon (CQE@Ciências/FCUL) under the scientific supervision of Professor Ana Filipa Cristino (Junior Researcher at CQE@Ciências/FCUL) and Professor Carlos Bernardes (Researcher at CQE@Ciências/FCUL).
8. **Fellowship duration:** This position is initially opened for 3 months and will begin on March 2022. The fellowship contract may be potentially renewed for until the end of the project.
9. **Monthly allowance:** The fellowship amounts to € 875.98 ,according to [table values](#) of the fellowships awarded directly by the FCT, IP. 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.

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10. **Evaluation and selection process:** Candidates will be assessed by the quality of their CV (70%) and an interview will be considered if necessary for the top 3 candidates with a weight of 30%.
11. **Selection Committee:** Professor Fernando José Vieira dos Santos (President), Dr. Ana Filipa Russo de Albuquerque Cristino (1st Member), Dr. Carlos Bernardes (2nd member) and Professor Carlos Alberto Nieto de Castro (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 10/02/22 to 23/02/2022 .
14. **Application:** Applications should be sent via e-mail to [afcristino@fc.ul.pt](mailto:afcristino@fc.ul.pt), by attaching the following documents:
  - a. Curriculum vitae - **must provide the CV through the CIÊNCIAVITAE system;**
  - b. Certificate of completion of previous degree;
  - c. and other documents considered relevant.
15. **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](mailto: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>.