

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

1 Research Fellowship for R&D Initiation for Bachelor Student

1 Research Fellowship(s) for R&D Initiation (BII) is(are) open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project/R&D institution “Active skyrmions in liquid crystal-colloid composite media/ Center for Theoretical and Computational Physics”, “PTDC/FIS-MAC/5689/2020”, financed by by national funds by FCT / MCTES (PIDDAC) under the programme SR&TD Project Grants All Scientific Domains 2020, under the following conditions:

1. **Scientific Area:** Physics
2. **Requirements for admission:** Completed Secondary Education.
3. **Additional optional skills and qualifications:** Previous experience with machine learning techniques (CNN).
4. **Contracting requirements:** Presentation of the academic qualifications and/or diplomas. Enrolment in Bachelor degree in Physics or similar.
5. **Work plan:** Machine learning approach for liquid crystal active skyrmions.
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 the Centro de Física Teórica e Computacional – CFTC from the Faculdade de Ciências da Universidade de Lisboa under the scientific supervision of Professor Cristóvão Dias.
8. **Fellowship duration:** This position is initially opened for 3 months and will begin on January 2022. The fellowship contract may be potentially renewed for up to 12 months, 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 € 446.12, 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 the quality of their CV (100%).
11. **Selection Committee:** Dr. Cristóvão de Sousa Dias (President of the jury), Prof. Margarida Telo da Gama (1st Member of the jury), Dr. Rodrigo Carlos Viana Coelho (2nd Member of the jury), Prof. Nuno Araújo (Alternate Member of the jury)

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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 17/12/2021 to 30/12/2021 .
14. **Application:** Applications should be sent via e-mail to csdias@fc.ul.pt, by attaching the following documents:
- a. Curriculum vitae - **CV may be provided in PDF or through the CIÊNCIAVITAE system;**
 - b. Certificate of completion of previous degree;
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) 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>.