

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

### 1 Post-Doctoral Research Fellowship (BIPD)

1 Post-Doctoral Research Fellowship (BIPD) is(are) open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project/R&D institution “MATinMOL: Matter Waves in Moiré Lattices”, PTDC/FIS-OUT/3882/2020, financed by national funds by FCT / MCTES (PIDDAC) under the programme Call for SR&TD Projects in all Scientific Domains-2020, under the following conditions:

1. **Scientific Area:** Physics
2. **Requirements for admission:** Hold a doctoral degree in Physics, Applied Mathematics or Mathematics, received during the three years before the submission date, from a host institution distinct from the Center for Theoretical and Computational Physics; have experience in numerical simulations in the areas of wave propagation of various physical nature.
3. **Additional optional skills and qualifications:** Knowledge of numerical methods, experience in areas of matter waves, quantum gasses, or nonlinear optics.
4. **Contracting requirements:** Presentation of the academic qualifications and/or diplomas.
5. **Work plan:** The objectives of the work plan is the numerical and theoretical study of propagation of matter waves in quasi-periodic potentials and moiré lattices.
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 Center for Theoretical and Computational Physics, Faculty of Sciences of the University of Lisbon under the scientific supervision of Professor Vladimir Konotop.
8. **Fellowship duration:** This position is initially opened for 6 months due to start on March 2022. The fellowship contract may be potentially renewed for 18 months, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P.
9. **Monthly allowance:** The fellowship amounts to € 1646,00, according to according to 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 Seguranga 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%, recommendation letters- 20 %, motivation letter – 10 %; in the first phase (pre-selection). On the second phase, the three candidates best ranked in the pre-selection phase will be invited for interview and ranked according to their evaluation in the pre-selection phase (90%) and the quality of the interview (10%).
11. **Selection Committee:** Vladimir Vladlenovich Konotop (president, FCUL), Augusto da Silveira Rodrigues (effective member, FCUP/UP), Hugo Fernando Santos Terças (effective member, IST-ID), Maria Inês Barbosa de Carvalho (alternate member, INESC TEC)
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 06/01/22 to 04/02/2022 .
14. **Application:** Applications should be sent via e-mail to [vvkonotop@fc.ul.pt](mailto:vvkonotop@fc.ul.pt), by attaching the following documents:
- Curriculum vitae - **CV may be provided by pdf or through the [CIÊNCIAVITAE](#) system;**
  - Certificate of completion of previous degree;
  - Two recommendation letters;
  - Motivation letter.
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 during the fellowship contractualization. If not requested in the requirements for admission, the proof of registration in the academic course requested on the call is mandatory for contract signature.

**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>.