

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

1 Research Fellowship for master's students

1 Research Fellowship(s) (BI) is(are) open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project/R&D institution “NoDES: new horizons in regularity, dynamics and asymptotic analysis”, “PTDC/MAT-PUR/1788/2020”, financed by national funds by FCT / MCTES (PIDDAC) under the programme “Concurso para Financiamento de Projetos de Investigação Científica e Desenvolvimento Tecnológico em Todos os Domínios Científicos – 2020”, under the following conditions:

1. **Scientific Area:** Mathematics
2. **Requirements for admission:** Have completed a degree program corresponding to bachelor level under the Bologna framework, or equivalent, in mathematics, or in a related area with a strong mathematical component.
3. **Additional optional skills and qualifications:** Have studied, in a bachelor or master program, or equivalent, at least some of the following topics: mathematical analysis, differential equations, mathematical physics, functional analysis, or equivalent. In the evaluation of the candidate's curriculum a strong performance in one or more of these areas will be taken into consideration.
4. **Contracting requirements:** Presentation of the academic qualifications and/or diplomas. Enrolment in the degree Master of Mathematics (Mestrado em Matemática) at the Faculdade de Ciências da Universidade de Lisboa, or another master's degree at the same faculty, in a related area with a strong mathematical component.
5. **Work plan:** The research fellow will deepen their knowledge in an advance topic connected to one or more areas of research of the supervisor within the scope of the abovementioned project, by way of example in the spectral theory of partial differential equations or quantum graphs. They will synthesise cutting-edge research in this area, with the chance to extend or contribute new results. The work undertaken here is envisaged to fall within the scope of the fellow's master's seminar in their first year and/or their master's thesis in their second year.
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>), 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 Grupo de Física Matemática, at the Faculdade de Ciências da Universidade de Lisboa, under the scientific supervision of Professor James Bernard Kennedy.
8. **Fellowship duration:** This position is initially opened for 3 months and will begin on September 2022. The fellowship contract may be potentially renewed for 3 months.
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

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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

The research fellow will also be entitled to financial support within the scope of the above-mentioned project, to cover “scientific missions”, including research visits, conference participation and other scientific events, upon approval by the supervisor, and conditional upon sufficient funding being available

10. **Evaluation and selection process:** Candidates will be assessed by the quality of their CV (including academic performance), 70%, and an interview (30%), in which the candidate’s motivation will be assessed, along with the question of how the research fellowship fits in with their future plans. To be eligible for selection, the candidate must achieve a mean global score among all jury members of at least 60 out of 100.

11. **Selection Committee:** James Bernard Kennedy (president), Giordano Cotti, Davide Masoero, Léonard Monsaingeon (jury members), Ana Bela Cruzeiro (substitute jury member), Jean-Claude Zambrini (substitute jury 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 30/06/22 to 17/07/2022 .

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

- Curriculum vitae - **CV may be provided in PDF or through the [CIÊNCIAVITAE](#) system;**
- Certificate of completion of previous degree;
- Academic transcript of previous degree;
- Any other documentation the applicant considers 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) 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>.

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