

(BL246/2024_IST-ID)

Post-Doctoral Research Fellowships

FCT ERC-Portugal Program

Applications are open for 2 Post-Doctoral Research Fellowships, within the framework of project/R&D institution FCT/ERC-Portugal 1801P.01397 – GravNewFields financed by national funds through FCT with the financial support of FCT through national funds, under the following conditions:

Scientific Area: Astronomy and Astrophysics FIS-AST

Admission Requirements:

- a) *to hold a PhD degree obtained in the 3 years previously to the submission of the fellowship application.*
- b) *to have carried out the research work that led to the PhD degree in a different entity from the host institution of the fellowship.*
- c) *Not to exceed, with this fellowship contract, including the possible renovations, an accumulated period of 3 years in this type of fellowship, continuously or with interruptions.*
- d) *Not to have previously held a post-doctoral fellowship from IST-ID.*

Workplan: The research will take place as part of the project "Opportunities in the gravitational sky: Searching for new fundamental fields with Black Holes and Gravitational Waves" that aims at exploring novel strategies to search for new fundamental fields (either motivated by dark matter models or by beyond GR theories) using gravitational-wave and black-hole observations. The fellows will be expected to contribute to the project's activities but will also be given the opportunity to pursue independent research ideas that can contribute to the project's objectives.

Legislation and Regulations: Statute of Scientific Research Fellow, approved by Law nr. 40/2004, of August 18, as worded by Decree-Law nr. 123/2019, of August 28; FCT Regulation for Research Studentships and Fellowships, available on <https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf> and <https://dre.pt/application/file/a/127230968>.

Workplace: The work will be developed at CENTRA - Centro de Astrofísica e Gravitação of IST – Instituto Superior Técnico, under the scientific supervision of Dr. Richard Brito.

Duration: The research fellowship(s) will have a duration of 24 months. It's expected to begin from February 1st 2025, and may be eventually renewed up to the maximum of 36 months, including the duration of initial contract.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.pdf), the amount of the monthly maintenance allowance is €1801,00 being the payment method an option of the Fellow by Wire Transfer.

Selection methods: The selection methods will be the following: *Curriculum evaluation, individual interview, research statement, analysis of the content of 2 (two) recommendation Letters*, with the respective weight of 25%+25%+25%+25%.

Composition of the selection Jury: Richard Pires de Brito, Vitor Cardoso, David Hilditch.



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Announcement/ notification of the results: The final evaluation results will be communicated to all applicants by email.

Deadlines and procedures of complaint and appeal. A complaint may be lodged from the final decision within 15 working days, or an appeal to the Executive Board of IST-ID within 30 working days, both counted from the respective notification

Application deadline and formalization: The call is open from 16/10/2024 until 31/12/2024

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<https://ist-id.pt/concursos/bolsas/>); ii) *Curriculum Vitae*; iii) academic degree certificate; iv) 2 recommendation letters

Applications must be submitted to the email: richard.brito@tecnico.ulisboa.pt



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