

(BL258/2024\_IST-ID)

**Research Studentship (for Master or Integrated Master students)**

**FCT/ERC-Portugal 1801P.01397 – GravNewFields**

Applications are open for 1 Research Studentship, within the framework of project/R&D institution FCT/ERC-Portugal 1801P.01397 – GravNewFields, ERC - Richard Brito, 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:** *To be enrolled as an integrated master or a master.*

**Workplan:** The fellow will be expected to study binary systems in which a compact stellar object orbits a Proca star (i.e., a bosonic star formed by a vector field) in its ground-state, using perturbation theory and in the Newtonian limit.

**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 6 months. It's expected to begin on January 2025 and may be eventually renewed up to the maximum of 24 months, including the duration of the 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](https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.pdf)), the amount of the monthly maintenance allowance is €990,98 being the payment method an option of the Fellow by Wire Transfer.

**Selection methods:** The selection methods will be the following: Curriculum evaluation and individual interview, with the respective weight of 50%+50%.

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

**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 21/10 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, where applicable; iv) proof of enrollment at an academic degree course (Master, Integrated Master);

Applications must be submitted to the email: [richard.brito@tecnico.ulisboa.pt](mailto:richard.brito@tecnico.ulisboa.pt)



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