

(BL285/2024-IST-ID)

### Research Studentships (doctoral degree student)

Applications are open for 1 Research Studentship, within the Centre for Mathematical Analysis, Geometry and Dynamical Systems (CAMGSD), UIDP/04459/2025, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Mathematics

**Admission Requirements:** Bachelor's and/or Master's degree in Mathematics or in a related area and *to be enrolled in a doctoral program at the start of the fellowship contract.*

**Workplan:** development of specific activities of scientific research within the pluriannual funding of the project CAMGSD (UIDP/04459/2025) and in the areas of resurgence and transseries as applied to string theory and matrix models, in particular on what concerns multicritical and minimal models along the KdV hierarchy, their Stokes data, and their isomonodromic properties.

**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 carried out at the Center for Mathematical Analysis, Geometry and Dynamical Systems of Instituto Superior Técnico, under the scientific supervision of one of its integrated members.

**Duration:** The research fellowships will have a duration of 9 months. They are expected to begin on January 1, 2025, and can be renewed up to the maximum of 48 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 €1259,64, being the payment method an option of the Fellow by Wire Transfer/Check.

**Selection methods:** The selection methods will be the following: *Curriculum evaluation including previous research experience, motivation letter*, with the respective weight of 70% and 30%.

**Composition of the selection Jury:** the committee will be composed of the following members of CAMGSD, all professors at IST: Pedro Resende, João Pimentel Nunes and Juha Videman.

**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 November 22 until December 5, 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) motivation letter; v) proof of enrollment at an academic degree course (PhD)

Applications must be submitted using [this form](#).



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