

**Research Studentship for students of a course that does not award an academic degree**

Applications are open for 1 Research Studentship, within the framework of GRAVITY/CENTRA, GRAVITY - PTDC/FIS-AST/7002/2020, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Astronomy and Astrophysics (FIS-AST)

**Admission Requirements:**

a) to hold a bachelor or master degree and be enrolled at a course that does not award an academic degree and it is integrated in the educational project of a higher education institution, performed in association or cooperation with one or several R&D units;

b) not to exceed with this contract, including the possible renovations, an accumulated period of two years in this type of studentship, continuously or with interruptions.

**Workplan:** The work plan takes place as part of the GRAVITY experiment and the study of gravity in the vicinity of the supermassive black hole at the center of the galaxy.

- 1 | Literature review and identification of the state of the art (2 months)
- 2 | Galactic center GRAVITY data reduction homogeneously calibrating bias (5 months)
- 3 | Estimation of astrometric positions and object fluxes in the vicinity of SgrA\* (5 months)

**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 of CENTRA, Physics Department of the Intitututo Superior Técnico, under the scientific supervision of Professor Dr. Vitor Cardoso.

**Duration:** The research fellowship(s) will have the duration of 12 months It's expected to begin in August 2021, and will not be renewed.

**Monthly maintenance allowance:** According to the values for Research Fellowships awarded by FCT in Portugal (<http://www.fct.pt/apoios/bolsas/valores>), the amount of the monthly maintenance allowance is € €1104,46, being the payment method an option of the Fellow by Wire Transfer/Check.

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

**Composition of the selection Jury:** Vitor Manuel dos Santos Cardoso, Miguel Zilhão Nogueira, 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 7 until 20 July 2021.

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 or PhD) or at a course that does not award an academic degree; v) motivation letter; vi) (for holders of Bachelor or Master degrees who are enrolled at a course that does not award an academic degree) declaration on honour that the applicant does not exceed with this contract an accumulated period of two years in this type of studentship, continuously or with interruptions.

Applications must be submitted to the email: [vitor.cardoso@tecnico.ulisboa.pt](mailto: ritor.cardoso@tecnico.ulisboa.pt)