

**Research Studentships (for students of a course that does not award an academic degree)**

Applications are open for one Research Studentship, within the framework of the project X-HUMAN 1801P.01266/IBB (FCT Reference: 2022.01532.PTDC), financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Experimental Biology (Cellular and Molecular Biology)

**Admission Requirements:**

*a) to hold a 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 prospective candidate will become an integral part of the X-HUMAN project titled "Deciphering the Molecular Mechanisms of X-Chromosome Inactivation Using Human Embryonic Stem Cells." This project employs cutting-edge advanced molecular biology techniques, such as CRISPR/Cas9 and CRISPRi, as well as cell biology methodologies, including human stem cell culture, RNA FISH, and immunofluorescence. The primary objective is to identify novel genes associated with X-chromosome inactivation (XCI) and unravel their molecular mechanisms of action. The candidate will actively contribute to the molecular/cell biology and tissue culture components of this research endeavor.

**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 Institute of Bioengineering and Biosciences of Instituto Superior Técnico, under the scientific supervision of Dr. Simão Teixeira da Rocha.

**Duration:** The research fellowship(s) will have the duration of 6 months. It's expected to begin in February 2024, and may be eventually renewed up to the maximum of 12 months.

**Monthly maintenance allowance:** According to the values for Research Fellowships awarded by FCT in Portugal ([https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM\\_2023.pdf](https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM_2023.pdf)), the amount of the monthly maintenance allowance is € 1199,64, being the payment method an option of the Fellow by Wire Transfer/Check.

**Selection methods:** The selection methods will be the following : 1) Masters in Biological or Biomedical Sciences or Biological, Biomedical or Biotechnology Engineering or similar with a score of at least 18 or higher (30% of final mark); 2) Curriculum evaluation (experience in stem cell biology, cell culture and epigenetics will be valued) (30%), and 3) individual interview of selected candidates based on point 1) and 2), via zoom or in-person (40%) . The top candidate with best score will be selected.

**Composition of the selection Jury:** Dr. Simão Teixeira da Rocha, Dr. Evguenia Bekman, Dr. Cláudia Miranda.

**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 January 24 until February 6, 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 a course that does not award an academic degree; v) motivation letter; vi) 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: [simao.rocha@tecnico.ulisboa.pt](mailto:simao.rocha@tecnico.ulisboa.pt) and [mafalda.firmino@tecnico.ulisboa.pt](mailto:mafalda.firmino@tecnico.ulisboa.pt)