

PUBLIC NOTICE

Call for allocation of a Scientist Scholarship

Reference: BII/FhP-24/01

The call for allocation of a *Research Integration Grant* for a Student attending a Master's degree is open and subject to the following conditions:

1. **General scientific field:** Engineering.
2. **Specific scientific field:** Informatics and Computing Engineering
3. **Admission Requirements:** i) Student attending an academic Master's degree in the field of Informatics and Computing Engineering; ii) Knowledge of machine learning techniques and interest in developing skills in the CausalAI topic; iii) Some experience or interest in machine learning operations (MLOps); iv) Good programming skills (Python) and knowledge in machine learning frameworks; v) Proficiency in English and excellent communication skills and teamwork.
4. **Work Plan:** The Student will perform research activities within the Intelligent Systems Group on topics related to data science, machine learning deployment, causal models, and fine-tuning.
 - 4.1. **Tasks:**
 - Develop a Predictive Maintenance demo;
 - Develop CausalAI solutions;
 - Contribute to writing and reviewing research manuscripts.
5. **Applicable law and regulation:** Portuguese Statute of the Scientific Research Scholarship Holder [*"Estatuto do Bolseiro de Investigação Científica"*], approved by Law no. 40/2004, of August 18, amended by Decree Law no. 202/2012, of August 27, Law no. 12/2013, of January 29, Decree Law no. 89/2013, of July 9 (hereinafter referred to as the "Statute"), Law no. 123/2019, of August 28 and the Research Scholarships' Regulation of Associação Fraunhofer Portugal Research (hereinafter referred to as the "Regulation").
6. **Place of work:** Fraunhofer Portugal AICOS, Porto, Portugal, under the scientific supervision of PhD Vitor Rolla.
7. **Scholarship's Duration and Regime:** The scholarship shall have a duration of 5 months, eventually renewable for equal periods or until the term of the project, with an estimated starting date of May 2024, according to Article 13 of the Regulation and Article 3 of the Statute, under exclusivity regime, except for the exceptions expressly set out in nos. 3 and 4 of article 5 of the referred Statute.

[https://www.fraunhofer.pt/content/dam/portugal/fhp/careers/grants/Regulamento Bolsas Fraunhofer Portugal Research_2021.pdf](https://www.fraunhofer.pt/content/dam/portugal/fhp/careers/grants/Regulamento_Bolsas_Fraunhofer_Portugal_Research_2021.pdf)

- 8. Amount of the monthly maintenance allowance:** The amount of the scholarship corresponds to €601,12 as per table of amounts of the scholarships of Associação Fraunhofer Portugal Research (https://www.fraunhofer.pt/content/dam/portugal/fhp/careers/grants/regulamento_bolsas.pdf). The payment of the scholarship shall be made on a monthly basis, by wire transfer.
- 9. Selection Procedures:** The selection procedures to be used shall be made based on the following parameters: A – Current average in the Master’s degree; B – Alignment of academic choices with the work to perform; C – Curriculum evaluation in accordance with the objectives of the project. The following percentage weighting shall be given to the selection parameters: $0,2 \times A + 0,3 \times B + 0,5 \times C$.
- 10. Composition of the selection panel:** Chairman: Doctor Inês Nunes de Sousa Soares; Permanent Members: Doctor Luís Filipe Caeiro Margalho Guerra Rosado and Doctor Vitor Guerra Rolla.
- 11. Publication/notification of the results:** The final evaluation results shall be published in a list ordered by the final score and posted in a visible and public place at Fraunhofer, Portugal. The approved applicant shall be notified by email.
- 12. The opening period of the call:** The call is open from 17-04-2024 to 28-04-2024.
- 13. Documents and deadlines for application:** Applications must be submitted by means of an application email with the following documents: *Curriculum Vitae*, required qualifications certificate, and other evidencing documents deemed relevant.

Applications should be delivered during the call’s opening period, sent by email with acknowledgment receipt to jobs@fraunhofer.pt, in *pdf* format, by 11:59 p.m. of April 30, 2024.