



1 Postdoctoral Research Grant

Call open for applications for a postdoctoral research grant within the framework of project “AISym4Med: Synthetic and scalable data platform for medical empowered AI” (101095387), financed by Horizon Europe | Cluster 1: Health, under the following conditions:

Scientific Area: Machine Learning

Admission requirements: Candidates who cumulatively meet the following requirements may apply for this grant:

- a) Hold a PhD degree in Computer Science, Informatics Engineering or related area, obtained in the last three years before the application to this grant;
- b) The Post-doctoral research is carried out in a host entity other than the one where the research work that led to the award of the PhD degree was developed.
- c) Do not exceed, with this scholarship contract, including renewals, an accumulated period of three years in this condition, followed or interpolated.

If the degree has been awarded by a foreign higher education institution, it must comply with the provisions of the Decree-Law no. 66/2018, of august 16th, and any formalities established there must be fulfilled until the time of signing the contract.

Activity Outline:

- Development and evaluation of metalearning techniques to improve understanding of the functioning of machine learning algorithms (WP3).
- Development and evaluation of artificial data generation techniques to improve understanding of the functioning of machine learning algorithms (WP4).
- Other research support tasks, including student monitoring (WP3+WP4), report writing (WP6+WP7), preparation of scientific and pedagogical materials (WP3+WP4+WP6), software development (WP1).

Legislation and regulations: Law N.º. 40/2004, of 18th August, in its current wording (Statutes of Scientific Research Fellow) and Regulation of Research Grants of University of Porto, in force.

Work place: The work will be developed at the Department of Informatics Engineering of the Faculty of Engineering of the University of Porto (FEUP), under the scientific supervision of Professor Carlos Manuel Milheiro de Oliveira Pinto Soares.

Grant duration: Initial duration of 12 months, with starting date predicted to September 2023, on exclusive basis regime, eventually renewable, up to the maximum of 3 years but not exceeding the end of the project.

If the recruitment procedures do not allow the grant to last for a minimum of 3 consecutive months, in accordance with paragraph 4 of article 11 of the Regulation of Research Grants of University of Porto, the scholarship will not be awarded.

Stipend: The grant stipend amounts to between 1.741,00€ according to the table of values of the Regulation of Research Grants of University of Porto and 2.286,00€, depending on the profile and previous experience of the candidate in the area of the project. The payment will be made by bank transfer.

Selection procedure:

The selection of the grant holder will be based on a curricular evaluation, which will focus on the merit of the candidate, and an interview that will be held to the candidates whose classification in the curricular evaluation is equal to or higher than 12 points for that component of the evaluation process.

The evaluation criteria for the curricular component are:

- Academic profile of the applicant: PhD in Computer Science/Informatics Engineering (5 points); PhD in related areas (2 points);
- Participation in R&D projects in an area relevant to the research project (5 points); Participation in R&D projects in areas related to the research project (2 points);
- Relevant publications (1-5 points);
- Motivation letter that will allow evaluation of the candidate's English proficiency and motivation (1-5 points).

The ranking of the interviewed candidates will be based on the following criteria and weights:

- Score of the CV evaluation - weight of 60%.
- Interview (1-20 points) - weight of 40%.

Selection Jury:

President: Professor Carlos Manuel Milheiro de Oliveira Pinto Soares

Effective member: Professor Luís Filipe Pinto de Almeida Teixeira

Effective member: Professor André Monteiro de Oliveira Restivo

Supplementary member: Professor João Pedro Carvalho Leal Mendes Moreira

Supplementary member: Professor Rui Carlos Camacho de Sousa Ferreira de Silva

Advertisement of final decision: The results of the evaluation will be released to the candidates by email to the email address indicated in the application process.



Deadline for applications and form of presentation of the applications:

The call is open from **23/05/2023** to **05/06/2023**. Applications must be formalized by email to csoares@fe.up.pt and to recursoshumanos@fe.up.pt, should clearly state the reference **FEUP-AISYM4MED-PD**, and must include:

- Motivation Letter,
- Certificates evidencing academic degree,
- Detailed Curriculum Vitae,
- Declaration on honour that the candidate fulfills the requirement contained in paragraph c) of the admission requirements (template below);
- other documents considered relevant by the applicant.

Declaration on honor

I, (identification of the fellow), holder of the Citizen Card / Visa / Residence Permit no., Valid until, declare under honor, under the terms of paragraph e) of no. 2 of article 11º of the Research Grants Of University of Porto - Regulation no. 184/2021, of 03 March, which will not exceed, with the scholarship contract in question, including possible renewals, an accumulated period of three years in this condition, followed or interpolated.

Porto, ___ / ___ / _____

(Signature of Candidate)