

## 1 Research Grant Announcement

Call open for applications for a research grant within the framework of project ERA-ARE “A new ERA for Environmental Risk Assessment: Chirality as a tool towards environmentally safe pharmaceuticals, financed by European Research Council Executive Agency (Project nr. 101039270), under the following conditions:

**Scientific Area:** Environmental Engineering

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

**Requirement 1:**

- Be a student enrolled in a doctoral program in the area of Environmental Engineering, Chemical and Biological Engineering or related field, a requirement to be duly proven at the time of signing the contract.

**and**

**Requirement 2:**

Hold a master’s degree in Environmental Engineering, Chemical and/or Biological Engineering, Bioengineering, Pharmaceutical Science, Biochemistry, Chemistry, Medicinal Chemistry (preferential areas), or Environmental Science, Water Quality, Quality Control, Toxicology, or related field.

*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 of chromatographic methods
- Environmental monitoring of antibiotics, antibiotic resistant bacteria, and resistance genes
- Biotransformation studies of antibiotics and their metabolites

**Legislation and regulations:** Law Nº. 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 Chemical Engineering of the Faculty of Engineering of the University of Porto (FEUP), under the scientific supervision of Doctor Ana Rita Lado Teixeira Ribeiro.

**Grant duration:** Initial duration of 12 meses, with the predicted starting date in September of 2023, on an exclusive basis eventually, but never exceeding the project duration.

If it is not possible to ensure the duration of 12 months estimated in the previous paragraph, this duration will be adjusted according to the end date of the project, and provided that the minimum

duration of 3 consecutive months is guaranteed, in accordance with paragraph 2 of article 10 of the Research Regulation of Research Grants of University of Porto.

The eventual renewal of the scholarship will be carried out as determined in article 10 of the Regulation of Research Grants of University of Porto

**Stipend:** The monthly amount of the grant varies between 1,199.64 euros, according to the Research Grants of University of Porto, and 1,450.00 euros, depending on the profile and previous experience of the candidate in the project area. The payment will be made by bank transfer.

**Selection procedure:**

The curriculum of the candidates (60%) will be evaluated based on the merit of the candidate and will focus the following factors:

a) Academic training (Master in Environmental Engineering, Chemical and/or Biological Engineering, Bioengineering, Pharmaceutical Science, Biochemistry, Chemistry, or Medicinal Chemistry – 5 points; Master in Environmental Science, Water Quality, Quality Control, or Toxicology– 3 points; Others Masters – 2 points)

b) Final classification of the integrated master or arithmetic average between the graduate and master degrees' grades:

- equal or above 15/20 in the preferential areas for which the call is open – 5 points; in related areas – 3 points;
- equal or above 14/20 in the preferential areas for which the call is open – 4 points; in related areas – 2 points;
- equal or above 13/20 in the preferential areas for which the call is open – 3 points; in related areas – 1 point.

c) Demonstrated experience in:

- the research area of monitoring micropollutants and biodegradation or organic synthesis – 10 points,
- the research area of monitoring micropollutants or biodegradation or organic synthesis – 8 points,
- in research areas related to the project area – 5 points,
- in other research areas – 3 points;

The curriculum of each candidate will be evaluated in a 1-20 points scale. Candidates with less than 10 points in the curricular evaluation will not be invited for the interview (40%).

In the interview topics related with the work plan, experience and the candidate's CV will be discussed with the invited candidates.

**Selection Jury:**

President: Doctor Ana Rita Lado Teixeira Ribeiro



Effective member: Professor Adrián Manuel Tavares da Silva

Effective member: Doctor Olívia Salomé Gonçalves Pinto Soares

Supplementary member: Doctor Ana Margarida Gorito Gonçalves

Supplementary member: Doctor Marta Sofia Oliveira Barbosa

**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 02-08-2023 to 16-08-2023 (until 23h59m, GMT time).

Applications must be formalized by email to [ritalado@fe.up.pt](mailto:ritalado@fe.up.pt) and to [recursoshumanos@fe.up.pt](mailto:recursoshumanos@fe.up.pt), clearly stating the reference **FEUP-ERA\_ARE3** and including the following pdf documents:

- Motivation letter,
- Copy of certificates evidencing academic degree (referring the classification of each separated or integrated degree),
- Curriculum Vitae;
- Other documents considered relevant by the applicant.

In order to assure that all documents can be read, the preferred saving format is the Portable Document Format (.pdf).