

**OPENING CALL FOR AWARDING A RESEARCH GRANT FOR THE PROJECT
“ATLANTIDA - NORTE-01-0145-FEDER-000040” CO-FINANCED BY FEDER,
THROUGH NORTH 2020, IN PROGRESS AT THE INSTITUTE OF ICBAS – SCHOOL
OF MEDICINE AND BIOMEDICAL SCIENCES OF THE UNIVERSITY OF PORTO
(REF.ª 17_2022/16)**

The ICBAS - School of Medicine and Biomedical Sciences, University of Porto, opens a call for a RESEARCH GRANT (for Graduate) within the scope of the project “ATLANTIDA – Platform for the monitoring of the North Atlantic Ocean and tools for the sustainable exploitation of the marine resources ” with reference NORTE-01-0145-FEDER-000040 co-financed by the ERDF, through NORTE 2020, in progress at the ICBAS, under the following conditions:

1. Scientific Area: Biochemistry and Environmental Toxicology

2. Admission requirements:

All individuals who cumulatively meet the following requirements can apply for this scholarship, as evidenced by documents at the time of application (if they do not comply, they are excluded and not subject to selection):

- a) Possess a 1st cycle (BSc, “Licenciatura”) degree in Biochemistry *;
- b) Be enrolled in a Master (2nd cycle) with a focus on Environmental Toxicology (eg, Eco-toxicology and Environmental Risk Analysis, Environmental Contamination and Toxicology) or at least focusing on Toxicology (eg, Clinical and Forensic Toxicology, Biochemistry and Analytical Toxicology);
- c) Motivations Letter with Declaration of Availability to start functions immediately upon completion of this call.

** If the qualification has been granted by a foreign higher education institution, it will have to be recognized by a Portuguese higher education institution, according to article 25 of Decree-Law No. 66/2018, of 16 August, which approves the legal regime for the recognition of academic degrees and diplomas in Higher Education, awarded by foreign higher education institutions and item e) of paragraph 2 of article 4 of Decree-Law no. 60/2018, of 3rd of August, and any formalities established therein must have been completed by the date of contracting.*

3. Preference and valuation conditions (each item a) to h) will be rated from 0 to 2.5 points):

- a) To be enrolled in a Master with a focus on Toxicology:
 - a.1. Environmental (will be more valued – 2.5 points);
 - a.2. Non-environmental (will be less valued – 1.0 points).
- b) Have completed the 1st year of the 2nd cycle at the time of application, valuing the final mean grade;
- c) Experience in cell culture in monolayer (2D), preferably of primary hepatocytes;
- d) Experience in 3D cell culture (spheroids), preferably from primary hepatocytes;
- e) Experience in handling fish in a context of a vivarium;
- f) Experience in RNA extraction, synthesis of cDNA and real-time PCR (RT- qPCR);
- g) Experience in routine processing, sectioning & staining for histology and immunocytochemistry (ICQ);
- h) Experience in stereology techniques (by manual or computer-assisted implementation).

4. Work plan:

The scholarship holder will be responsible for carrying out the following work:

1. Participate in field collections to collect aquatic organisms, as well as water and sediment;
2. Participate in the preparation of biological and non-biological material for chemical analyses (GC-MS/MS);
3. Participate in bioassays (with invertebrates, fish) to assess the effects of pollutants of interest to the project;
4. Implement in vitro tests with hepatocytes (primary and spheroids) to assess the effects of pollutants;
5. Do analyses by chemical, biochemical techniques (inc . RT-qPCR), histotechnics (inc. ICQ) and stereology;
6. Participate in the analysis of the data and dissemination to the scientific community and other forums.

5. Applicable legislation and regulations:

Statute of the Scientific Research Fellow, approved by Law no. 40/2004 of 18 August, as amended by Decree-Law no. 123/2019, of 28 August; Regulation of Research Grants of the University of Porto – Regulation 184/2021, of 3 March, amended by Deliberation no. 1301/2021, published in D.R., 2nd series, on 22 December 2021; in the alternative, Regulation no. 950/2019, of 29 November, published in Diário da República, no. 241, 2nd Series, of 16 December (FCT Research Grants Regulation, I.P.); Decree-Law no. 66/2018, of 16 August (Legal regime for the recognition of academic degrees and higher education diplomas awarded by foreign higher education institutions); Code of Administrative Procedure (CPA), approved by Decree-Law no. 4/2015, of 7 January.

6. Workplace:

The work will be carried out at the Laboratory of Histology and Embryology, Department of Microscopy, ICBAS - School of Medicine and Biomedical Sciences, University of Porto, as well as abroad (estuaries and beaches in the North), for field collections of biological matrices (eg, bivalves) and non-biological (eg, water), under guidance do Professor Eduardo Rocha and Professor Maria João Rocha.

7. Duration of the scholarship:

The scholarship will last for 12 months, on an exclusive basis.

8. Amount of the monthly maintenance allowance:

The monthly scholarship amount corresponds the **€875.98**, according to the [table of values](#) scholarships awarded directly by FCT, IP in the country. The ICBAS will make the payment by bank transfer. In addition to that subsidy, the grantee will be covered by personal accident insurance.

9. Selection methods:

Curriculum assessment (AC) and, if the jury deems it necessary, selection interview (E) for up to three best-ranked candidates in the AC. The final classification of AC (CFAC) will be obtained by the following formula:

$0.7 \times AC + 0.3 \times E$, on a scale of 0 to 20 points. If there is no interview, the CFAC will be equal to the AC. The grade of CV will take into account the following aspects, as well as the respective weighting in the classification:

- a) Evaluation of the candidate's motivation (according to the Motivation Letter analysis) – 10%;
- b) Assessment of compliance with the preference and valuation conditions mentioned in Point 3 – 90%.

The assessment of the Selection Interview (E), if it is carried out, is 50% for specific knowledge to carry out the work plan and 50% for capacity for expression, attitude and motivation.

In case of withdrawal of the selected candidate, the same will be replaced by the following in the final approved ordination list, which for the proper purposes of the recruitment reserve list and will last for 9 months. In the event of none of the candidates demonstrates that they have the profile indicated for the implementation of the work plan the jury reserves the right not to award the scholarship to tender.

10. Composition of the Selection Jury:

President - Professor Eduardo Rocha, Full Professor, ICBAS;

1st effective member – Professor Maria João Rocha, Assistant Professor with Habitation, ICBAS;

2nd effective member - Professor Tânia Vieira Madureira, Invited Assistant Professor, ICBAS;

1st substitute member - Professor Alexandre Lobo da Cunha, Full Professor, ICBAS;

2nd substitute member – Professor Maria Beatriz Porto, Assistant Professor, ICBAS.

11. Publication/notification of results:

The final results of the evaluation will be published by sending the minute(s) via email indicated by the candidates in their Curriculum Vitae/Motivation Letter.

The candidates have a period of 10 working days, counting from the day immediately following the notification, to express their opinion, if desired, in a prior hearing to interested parties (articles 121 et seq. of the Administrative Procedure Code (aka CPA)).

The final decision must be taken within a maximum period of 60 working days after the conclusion of the preliminary hearing of interested parties or of the public consultation.

12. Form of submission of applications and application deadline:

This competitive call is **open until the day 23rd of June 2022**. (10 working days).

Applications must be formalized and sent, obligatorily, in the online application submission system available on the website of the of Biomedical Sciences Abel Salazar from the University of Porto (ICBAS-UP): [ICBAS - Processos de Recrutamento \(up.pt\)](#), **accompanied by the following documents:**

- a) Letter of motivation (including the Declaration of Availability to start functions immediately);
- b) Curriculum vitae, mentioning full name and address;
- c) Copy of the certificate(s) of the required qualifications;
- d) Proof of preference conditions;

- e) Any documents that the candidates deem relevant for the assessment of their merit.

In order to guarantee the reading of all documents, the preferred recording format is the Portable Document Format (.pdf). The files must be named with the candidate's first and last name and must not exceed, as a whole, 5 MB. These can be compressed in .zip format.

13. The University of Porto actively promotes a policy of non-discrimination and equal access, whereby no candidate may be privileged, benefited, harmed or deprived of any right or exempted of any duty on grounds, namely, of ancestry, age, sex, sexual orientation, marital status, family status, economic status, education, origin or social status, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological convictions and union membership.