

Reference: REQUIMTE 2023-16

Main research field: Biochemistry

Sub research field: Signal transduction and cell membranes

1. In a meeting the Board of Directors of REQUIMTE – Rede de Química e Tecnologia – Associação, has decided to open an international call for a PhD holder Researcher, under a work contract for a non-fixed term. This announcement is intended to 1 (one) research position (**Reference REQUIMTE 2023-16**), to pursue scientific research activities in the project “BeTASTy - New Molecular and Cell-based Approaches to assess Food Astringency and Bitterness”, Grant Agreement 101040462 ERC-2021-STG, funded by European Research Council, in the areas of Biochemistry and/or Biological sciences, under a work contract for a non-fixed term, in order to pursue research activities in i) mechanical changes in cell membrane upon interaction with specific compounds; ii) deciphering signal transduction pathways activated by cell membrane interactions; iii) preparation and physical-chemical characterization of cell membrane-derived vesicles.

2. Applicable Legislation

Portuguese Labour Code, approved by Law 7/2009 of February 12, in its actual form and Articles 17th, 19th and 28th of the REC, published in Diário da República under the number 607-A/2017 of November 22.

3. Pursuant to article 13 of RJEC, the tender selection panel is be formed by: Professor Susana Soares (Faculdade de Ciências da Universidade do Porto, chair of the jury by delegation of the Director of REQUIMTE), Professor Victor de Freitas (Faculdade de Ciências da Universidade do Porto) and Professor Nuno Mateus (Faculdade de Ciências da Universidade do Porto).

4. The workplace shall be at Universidade do Porto.

5. Monthly remuneration to be paid corresponding to level 40 of the Single Salary Table, approved by Order no. 1553-C/2008 of December 31st, i.e. 2.570,82 Euros.

6. Application can be submitted by any national, foreign and stateless candidate(s) holding a doctorate degree in Biochemistry, Biology and related areas.

7. The tender admission general requirements are those defined in the previous point 6, and additional specific requirements are:

- More than two years of post-doctoral experience;
- Experience in microscopy (e.g. atomic force or fluorescence) or in cell membrane measurements (e.g. potential) or in molecular biology and signal-transduction pathways.

8. Pursuant to article 5 of RJEC, the selection is to be made based on the evaluation of the scientific and curricular career of the candidate.

9. Scientific and curricular career evaluation focuses on relevance, quality and up-to-datedness:

a) of scientific, technological, cultural or artistic production in the last five years, considered most relevant by the candidate;

- b)** of research activities, fundamental or applied science, developed in the last five years, considered of higher impact by the candidate;
- c)** of knowledge extension and dissemination activities developed in the last five years, namely under the scope of the promotion of culture and scientific practices, deemed most relevant by the candidate.
- d)** of activities of science management, technology and innovation programs, or of experience in observing and monitoring the scientific and technological system or higher education, in Portugal or abroad.

10. The five-year period mentioned above can be extended by the panel, if requested by the candidate, whenever the suspension of scientific activities is reasoned by socially protected grounds like paternity leave, long-term serious illness, and other legal situations of unavailability to work.

11. Evaluation criteria are the following:

The evaluation of the CV of the candidates, in particular the scientific merit and research experience will take into consideration the elements presented for the last five years of activity falling within the scope of the specific areas of the tender (see Point 1) and will be performed according to the following criteria:

11.1 Integrated assessment of the curriculum trajectory of the candidate, based on an overview of their scientific merits, namely:

- I. overall scientific coherence and excellence of the CV (25%);
- II. Publication(s) in indexed scientific journals and participation/communication in scientific meetings (20%);

11.2 Relevant experience in:

- III. Any of the techniques or expertise referred to in point 7 proved in CV (25%);
- IV. Post-Doctoral research experience, preferably in the areas of cell-membrane biochemistry and physical-chemical characterization (30%);

Only candidates who obtain a classification equal to or greater than 50% in the parameters indicated above will be eligible.

12. The three candidates with the highest classification in the previous point will be selected for an interview by the jury. The final score of each jury member is obtained by the following assessment: 80% scientific and curricular career evaluation and 20% interview.

13. Candidate final classification system shall be given based on a scale 0 to 100.

14. The panel shall deliberate by means of roll-call vote justified under adopted and disclosed selection criteria, with no abstentions allowed.

15. Minutes of panel meetings shall be executed and include a summary of all occurrences of said meeting, as well as of all votes casted by the members and respective reasoning, and shall be provided to candidates whenever required.

16. After selection criteria application, the panel shall prepare a sorted list of approved candidates and respective classification.

17. Panel's final decision shall be validated by the leader of the institution, who is also in charge of deciding about the hiring.

18. Application formalization:

18.1 The applications are formalized at the electronic address <https://www.requimte.com/> with following documents in a digital form, in PDF format:

- i) Curriculum vitae;
- ii) Motivational Letter;
- iii) Qualifications Certificate;
- iv) Name and contact (e-mail and phone number) of two senior professors and/or researchers to be used as references;
- v) other relevant documentation.

18.2. The application period is from **14/02/2023 a 28/02/2023**.

19. All candidates who formalize their applications in an improper way or fail to prove the requirements imposed by this tender are excluded from admission. In case of doubt, the panel is entitled to request any candidate to present further documentation supporting their statements.

20. False statements provided by the candidates shall be punished by law.

21. Both admitted and excluded candidate list and final classification list shall be published at the address of REQUIMTE (Praça Coronel Pacheco nº 15-6º andar, Porto), in the website of the Institute and the selected candidate shall be notified by email.

22. Preliminary Hearing and Final Decision Deadline: After publication, all candidates have 10 working days to respond. Panel's final decisions are pronounced within a period of 90 working days, from response period deadline.

23. This tender is exclusively destined to fill this specify position and can be terminated at any time until approval of final candidate list, expiring with the respective occupation of said position.

24. Non-discrimination and equal access policy: REQUIMTE actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

25. The panel has approved this announcement in meeting held on 10/02/2023.

26. According to Decree-Law no. 29/2001 of 3 February, disabled candidates shall be preferred in a situation of equal classification, and said preference supersedes any legal preferences. Candidates must declare, on their honour, their respective disability degree, type of disability and communication/expression means to be used during selection period on their application form, under the regulations above.

27. The selection of candidate to be hired is determined by orientations and regulations issued by Fundação para a Ciência e a Tecnologia upon verification of all legal requirements. REQUIMTE is entitled to cancel the present process in case the legal requirements are not fulfilled.