



Reference: REQUIMTE 2022-22

Main research field: Food Biotechnology

Sub research field: Nanotechnology

1. In a meeting the Board of Directors of REQUIMTE has decided to open an international call for PhD holder Researcher, under a work contract for a non-fixed term. This announcement is intended to 1 (one) research position (**Reference REQUIMTE 2022-22**) to pursue scientific research activities in the project “Nanostructured milk for the prevention of hypertension” (NanoProMilk), in the area Agricultural Biotechnology and Food Biotechnology, PTDC/BAA-AGR/4923/2021 funded by FCT, under a work contract for a non-fixed term, aiming at the development the following work: Production and characterization of the peptide/hydrolysate, nanoparticle production using milk lipids, peptide/hydrolysate and nanoparticle integration, nanostructured milk production scale-up and characterization of the final dairy product.

2. Applicable Legislation

Decree-Law no. 57/2016 of August 29th, amended by Law 57/2017 and Regulatory Decree No. 11- A / 2017 which approved the doctorate hiring regime destined to stimulate scientific and technological employment for all knowledge areas (RJEC); Portuguese Labour Code, approved by Law 7/2009 of February 12, in its actual form.

3. Pursuant to article 13 of RJEC, the tender selection panel is be formed by: Salette Reis (Full Professor, Faculdade de Farmácia da Universidade do Porto, President of the tender selection panel appointed by the Director of LAQV-REQUIMTE), Maria Lúcia Saraiva (Auxiliary Professor, Faculdade de Farmácia da Universidade do Porto, Ana Rita Cabrita (Auxiliary Professor, Instituto de Ciências Biomédicas Abel Salazar da Universidade do Porto), Cláudia Nunes (Researcher, REQUIMTE) e Ricardo Páscoa (Researcher, REQUIMTE).

4. The workplace shall be at Faculty of Pharmacy of University of Porto (FFUP).

5. Monthly remuneration to be paid is the one set by article 23 (3) of RJE, corresponding to level 33 of the Single Salary Table, approved by Order no. 1553-C/2008 of December 31st, i.e. 2.153,94 Euros.

6. Application can be submitted by any national, foreign and stateless candidate(s) holding a doctorate degree in Bioengineering or other related area and a scientific and professional curriculum whose profile is suited for the activity described below (item 7).

In case the doctorate degree was awarded by a foreign higher education institution, it must comply with the provisions of Decree-Law no. 341/2007 of October 12th, and all formalities established therein must be complied with at the signature of work contract.

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

- Training in animal experimentation (course equivalent to FELASA category C);
- Experience in the development of lipid nanoparticle formulations;
- Skills in techniques of physicochemical characterization of nanoparticles, namely photonic correlation spectroscopy, ultraviolet-visible spectrophotometry and infrared spectroscopy.

8. Pursuant to article 5 of RJE, 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 The selection methods to be used will be as follows:

1 Academic and scientific curriculum (40%)

- a. CV consistency and quality - 20%
- b. training in "Science in Laboratory Animals" equivalent to FELASA C – 10%
- c. publication of articles in the area of the of the project and oral communications at scientific congresses – 10%

2 Relevant experience, proven in the CV, in (40%):

- a. development of organic nanoparticle formulations – 15%
- b. physicochemical characterization techniques of nanoparticles - 15%
- c. work with formulations within the scope of supplementation of food products – 10%

3. Interview (10%).

This interview aims to obtain clarifications and explanations about the curricular elements and additional information as well as to evaluate the attitude profile and motivation of the candidate.

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

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

14. 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.

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

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

17. Application formalization:

17.1 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) other relevant documentation.

17.2. The application period is from **27/04/2022 to 10/05/2022**.

18. 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.

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

20. 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.

21. 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.

22. 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.

23. 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.

24. The panel has approved this announcement in meeting held on 20/04/2022.

25. 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.

26. 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.