



Reference: REQUIMTE 2023-62

Main research field: Chemistry

1. The Board of Directors of REQUIMTE – Rede de Química e Tecnologia – Associação have decided to open an international call for a PhD holder Researcher, under a permanent contract. This announcement is intended to 1 (one) research position (**Reference REQUIMTE 2023-62**), to pursue scientific research activities in the area Chemistry, under a permanent contract, at Laboratório Associado para a Química Verde - Tecnologias e Processos Limpos - LA/P/0008/2020, with the financial support of the FCT/MCTES through national funds, in order to pursue research activities in Computational Chemistry.

2. Applicable Legislation

Decree-Law no. 124/199 of April 20; 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: Baltazar Manuel Romão de Castro (Director of REQUIMTE), Maria João Ribeiro Nunes Ramos (Full Professor, Faculdade de Ciências da Universidade do Porto), Pedro Manuel Azevedo Alexandrino Fernandes (Associate Professor, Faculdade de Ciências da Universidade do Porto), Maria Natália Dias Soeiro Cordeiro (Associate Professor, Faculdade de Ciências da Universidade do Porto) e Vitor Manuel Sousa Félix (Associate Professor with agregation, Universidade de Aveiro).

4. The workplace shall be at University of Porto.

5. The gross monthly salary entitle is the corresponding to 195 index of the Scientific Research Career (Anexo I do Decreto-Lei nº 124/99, de 20 de Abril).

6. Application can be submitted by any national, foreign and stateless candidate(s) holding a doctorate degree in computational chemistry and related areas, with five years or more relevant post-doctoral experience.

In case the doctorate degree was awarded by a foreign higher education institution, it must comply with the provisions of Decreto-Lei n.º 66/2018, de 16 de Agosto, 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 specific requirements are:

a) Publications in the fields of computational chemistry or computational biochemistry and related areas that totalize more than 75 articles in indexed international journals;

b) Proven experience, through scientific publications, in computational chemistry/biochemistry methods applied to the study of enzymatic catalysis, drug design and discovery, and molecular recognition;

c) Proven experience, through scientific publications, in the development of scientific software and scientific databases;

- d) Supervision/co-supervision of doctoral students with thesis;
- e) Principal investigator of at least one national or international scientific project.

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 or technological production, considered most relevant by the candidate in the past 5 years;
- b) of research activities, fundamental or applied science, considered of higher impact by the candidate in the past 5 years;
- c) of knowledge extension and dissemination activities, namely under the scope of the promotion of culture and scientific practices, deemed most relevant by the candidate;
- d) of activities of entrepreneurship and technology transfer;
- e) of activities of elaboration of applications for R&TD projects funding.

10. Evaluation criteria are the following:

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

- I. Overall scientific coherence of the CV – 15%;
- II. Diversity and quality of scientific indicators, including relevant published peer-reviewed articles in the specific areas indicated in points 1 and 7 or demonstrating relevant technical expertise – 20%;
- III. Participation and/or coordination on research projects in the areas of computational chemistry or computational biochemistry – 15%.

10.2 Relevant experience, proved in CV, in:

- I. Quantum mechanics and QM/MM methods – 10%;
- II. Structured-based virtual screening and protein-ligand docking – 10%;
- III. Molecular dynamics simulations applied to the study of biological systems – 10%;
- IV. Protein-Protein, Protein-DNA and Protein-RNA docking for molecular recognition – 10%;
- V. Development of scientific software and open-access scientific databases – 10%.

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

11. In the case of admitted candidates whose evaluation does not differ more than 10% from that obtained by the best positioned candidate, the jury will interview these candidates. The objective of the interview is to obtain clarifications and additional information about the curricular elements, as well as to evaluate the candidate's profile, attitude and motivation.

The final score of each jury member is obtained by the following assessment: 90% scientific and curricular career evaluation and 10% interview.

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 the jury meetings will be drawn up, which contain a summary of what occurred during them, as well as the votes cast by each jury member and their respective reasons, being provided to candidates whenever requested.

15. After completing the application of the selection criteria, the panel will draw up an ordered list of approved candidates with their 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) Motivation letter;
- iii) Certificate of qualifications;
- iv) Other relevant documentation.

17.2. The application period is from **09/11/2023 to 30/11/2023**.

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 a meeting held on 25/10/2023.

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.