



Reference: REQUIMTE 2021-40

Main research field: Medical and Health Sciences

Sub research field: Health Sciences

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 2021-40**), to pursue scientific research activities in the area Medical and Health Sciences, sub-area Health Sciences, under a work contract for a non-fixed term, at Unidade de Ciências Biomoleculares Aplicadas - UIDP/QUI/04378/2020, with the financial support of the FCT/ MCTES through national funds. The researcher will perform investigation in 1) the field of Metabolomics/Oncology, with special focus on the discovery and validation of potential biomarkers for early diagnosis of urological cancers (bladder, kidney and prostate) using a metabolomics approach, and 2) determination of drugs of abuse in illegally marketed samples as well as biological samples from intoxicated individuals.

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 formed by: Félix Dias Carvalho (Full Professor, Faculty of Pharmacy, University of Porto, Chair), Maria Paula do Amaral Alegria Guedes de Pinho (Coordinating Investigator at the Associated Laboratory UCIBIO/REQUIMTE, Faculty of Pharmacy, University of Porto) and António César da Silva Ferreira (Invited Assistant Professor, Faculty of Biotechnology, Catholic University of Portugal).

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

5. The gross monthly salary entitle is stipulated in clause 1 a) of article 15 of the Regulatory Decree No. 57/2016, of August 29th, amended by the law nº 57/2017 of July 29th, corresponding to level 33 of the Consolidated Table of Allowances, as approved by Government Order No. 1553-C/2008, of December 31st, being 2.134,73 Euros.

6. Application can be submitted by any national, foreign and stateless candidate(s) holding a doctorate degree in Biology, Biochemistry, Toxicology, Pharmaceutical Sciences, and experience in the area of metabolomics. 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 include at least 3 years of post-doctoral experience in the extraction of organic compounds present in biological samples and the identification of metabolites by mass spectrometry-based techniques and nuclear magnetic resonance spectroscopy aiming the development of predictive models for sample classification, as well as the participation in research projects focus on

the discovery of biomarkers for detection of urological cancers. Experience in analytical methodologies that can be applied in the identification and quantification of xenobiotics (drugs of abuse) in biological and non-biological matrices is also required.

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;

b) of research activities, fundamental or applied science, considered of higher impact by the candidate;

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 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. 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 – 10%

II. diversity and quality of scientific indicators, including relevant published peer-reviewed articles, communications, and awards in the specific areas of metabolomics, oncology, and analysis of xenobiotics, or demonstrating relevant technical expertise - 30%

III. contribution to research projects in the area of metabolomics applied to cancer research and in the identification and quantification of xenobiotics - 10%

10.2 Relevant experience, proved in CV, in:

I. Practical experience in metabolomics protocols applied to clinical research. – 15%

II. Solid knowledge and practical experience in bioinformatic tools for analysis of metabolomics data. – 10%

III. Experience in analytical techniques for identification and quantification of organic molecules, namely drugs of abuse. – 10%

IV. Supervision of doctoral students. – 15%

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

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

13. 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.

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

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

16. Application formalization:

16.1 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.

16.2. The application period is from **01/10/2021 a 15/10/2021.**

17. 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.

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

19. 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.

20. 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.

21. 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.

22. 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.

23. The panel has approved this announcement in a meeting held on 27/09/2021.

24. 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.

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