A position to a Technician (**Reference REQUIMTE 2025-34**) at Laboratório Associado para a Química Verde - Tecnologias e Processos Limpos - UID/50006, with the financial support of the FCT/ MECI through national funds, is available at REQUIMTE.

Type of contract: work contract for a non-fixed term

Scientific area: BioChemistry

Monthly salary: Level 17 of the Single Salary Table (TRU) 1.495,20 Euros

Applicable Legislation: Portuguese Labour Code, approved by Law 7/2009 of February 12, in its actual form.

Job description:

The hired technician will carry out specialized technical and scientific activities of an interdisciplinary nature in the areas of bioinorganic chemistry, biophysics, and microbiology, namely:

- Chemical, biophysical, and microbiological characterization of antimicrobial compounds, including transition metal complexes and peptides;
- Solution chemistry: determination of stability constants under physiological conditions, using potentiometry, UV/Vis spectroscopy, and fluorescence;
- Determination of partition constants in liposomal systems (LUVs, GUVs);
- Use of absorption and fluorescence spectroscopy techniques (including anisotropy and time-resolved fluorescence), and fluorescence microscopy;
- Characterization of membrane-mimetic systems and studies of interaction with biomimetic membrane systems;
- Antimicrobial activity assays, including synergy studies, biofilm formation, and bacterial culture;
- Management and supervision of a microbiology laboratory;
- Support in supervising undergraduate and master's students in research contexts.

Admission requirements:

- Bachelor's and Master's degrees in Biochemistry;
- Proven research experience in the fields of bioinorganic chemistry, biophysics, and microbiology, including:

- Use of potentiometry, fluorescence spectroscopy (steady-state and time-resolved), and absorption spectroscopy techniques;
- Biophysical studies with membrane models (characterization of membrane-mimetic systems using DLS, fluorescence, SPR) and determination of partition constants in liposomal systems (LUVs, GUVs);
- Antimicrobial activity assays (determination of MIC, MBC, synergy and antibiofilm activity assays);
- Determination of the mechanism of action of antimicrobial compounds using microscopy;
- Active participation in funded R&D projects;
- Experience in supervising undergraduate and master's students;
- Experience working in a multidisciplinary team environment.

Work place

The workplace will be at Universidade do Porto

Selection criteria

The Evaluation of the Scientific and Curriculum Pathway (ESCP) of candidates will take into account the suitability of their profile for the activities to be carried out, with emphasis on the relevance, quality, and adequacy of their previous work to the planned tasks. Particular consideration will be given to elements from the last five years of activity.

Based on the requirements defined above, the quantitative evaluation of the candidates' profiles will be performed according to the following criteria and respective weighting:

A. Suitability of the candidate for the execution of the proposed activities (0–100 points);
B. Proven professional experience, as evidenced in the CV (0–100 points);

The final score will be presented on a scale from 0 to 100 points, based on the criteria above and calculated according to the following formula:

$$ESCP = A*60\% + B*40\%$$

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 the best positioned candidate and the candidates in this situation. This is aimed to obtain clarifications and explanations about the curricular elements and additional information.

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

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

Jury composition

Alberta Paula Gameiro dos Santos (President)

Eulália Carvalho Pereira (member)

Paula Alexandra Gomes (member)

José Ricardo Franco Tavares Vogal (substitute member)

Results announcement

Candidates will be directly informed by email about the result of their application. The ranking of the candidates will be published at a visible and public area of REQUIMTE facilities.

Application

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

i) Curriculum vitae;

ii) Motivational Letter;

iii) Qualifications Certificate;

iv) other relevant documentation.

The application period is from **20/06/2025 and 04/07/2025.**

More information: https://www.requimte.com/