

Public notice Ref.^a CDL-CTTRI-132-ARH/2019 — Doctor Paulo Jorge dos Santos Gonçalves Ferreira, Full Professor and Rector of the University of Aveiro, hereby announces that for a period of 10 business days, starting on the first business day immediately after the publication of the present notice, an international public notice is opened for recruitment in the form of a Uncertain Term Work Contract, under the Portuguese Labour Code, a position for a First Level Doctorate for the exercise of activities of technological development in the scientific area of Chemistry, namely in the maintenance and operation of analytical instrumentation necessary to the realization of chemical analyses in biological and environmental matrices, and laboratory management, under the scope of CESAM Associated Laboratory, with the financial support of FCT/MCTES, through national funds, cofinanced by FEDER, under the scope of the agreement of PT2020 partnerships.

The present public notice was opened on May 27th 2019 by order of the Rector of the University of Aveiro, following the proposal of the Scientific Council.

The contest is governed by the provisions of Decree-Law 57/2016, August 29, that approves the rules for post-doctoral work contracts, designed to stimulate employment in science and technology in all areas of knowledge (RJEC) within the legal provisions of the Labor Code, Law on 7/2009, February 12, in its current wording and other applicable legislation and regulations.

The monthly payment corresponds to 2128,34€.

1 — Admission requirements:

Any national, foreign and stateless candidate(s) who hold a doctorate degree in Chemistry and a scientific and professional *curriculum* whose profile is suited for the planned activities, can submit their applications.

2 — Formalisation of the applications:

The applications are addressed to the Rector of the University of Aveiro as follows:

2.1 — The application should include, among others, the following elements:

- a) Call identification;
- b) Applicant's identification: full name, birth date, nationality, mailing address and email;
- c) Identification of the institution where the applicant is presently working and his/her position there, when applicable;
- d) Identification of degrees held by the applicant;
- e) Statement by the applicant declaring that the elements or facts contained in the application are correct and accurate.

2.2 — The application should include the following documents:

- a) Copy of detailed and structured *curriculum vitae* according to items in point 5;
- b) Any other documents that the applicant considers relevant, namely for the assessment of the information referred to in no. 2 of article 5 of the RJEC.

2.3 — The *curriculum vitae* should contain:

- a) Full identification;
- b) Contacts: address, telephone number and email;
- c) Copy of the certificate with the respective mark or grade or other document that is legally recognised for the same purpose;
- d) All pertinent information for assessing the application considering the selection and ranking criteria of the present call, organized according to the sub-items of the assessment set forth in Section 5 below;

2.4 — Submission of the application:

2.4.1 — The application may be submitted in Portuguese or in English, by email, to the Human Resources Department of the University of Aveiro (concursosDL57-2016@ua.pt) until the deadline stipulated in this Notice.

2.4.2 — The applicants are required to present a “message sent” confirmation as proof of the application submission.

2.4.3 — Instructions for the submission of applications, in digital format, are available in the area of Competition and Job Offers of Human Resources area at <https://www.ua.pt/sgrhf/PageText.aspx?id=15052>.

2.5 — Failure to comply with the deadline for submission of the application, as well as the incorrect formalization of the application, result in the exclusion of the application. The exclusion decision is communicated to candidates by e-mail for the purpose of their hearing.

3 — Call Jury:

3.1 — In accordance with article 13 of the RJEC the call jury has the following composition:

President: Doctor Ana Isabel Lillebø Batista, Principal Researcher at University of Aveiro.

Effective members:

Doctor Jesús Manuel Pedreira Dubert, Assistant Professor at University of Aveiro.

Doctor Valdemar Inocêncio Esteves, Assistant Professor at University of Aveiro.

Substitute members:

Doctor Amadeu Mortágua Velho da Maia Soares, Full Professor at University of Aveiro.

Doctor Myriam Alexandra dos Santos Batalha Dias Nunes Lopes, Assistant Professor at University of Aveiro.

4 — Jury operation rules

4.1 — The deliberations are held by roll call voting requiring the absolute majority of votes of the members of the jury present at the meeting, not permitting abstentions.

4.2 — The jury deliberates approval on absolute merit, based on the merit of the overall curriculum of candidates with regards to the scientific area of the Competition and also considering the compliance of requisite 4.2.1 and 4.2.2 and, cumulatively, the compliance of at least one of the remaining requisites 4.2.3 or 4.2.4:

4.2.1 — Experience and technical responsibility in the operation and maintenance of advanced analytical infrastructures, namely mass spectrometers coupled to liquid and gaseous chromatography, liquid and gaseous chromatographs with different detectors and other analytical equipment for the determination of various elements;

and

4.2.2 — Extensive experience in laboratory management, namely, stock, waste and gas installations management;

and

4.2.3 — Extensive experience in the use of analytical instrumentation necessary to carry out chemical analyses in biological and environmental matrices, namely mass spectrometers coupled to liquid and gaseous chromatography, liquid and gaseous chromatographs with different detectors and other analytical equipment for the determination of several elements;

or

4.2.4 — The applicant is the author or co-author of at least 100 scientific papers, in the scientific area for which the competition is open, indexed at Science Citation Index Expanded from ISI Web of Science as document type = article or document type = review, or at SCI Verse from SCOPUS with the same characteristics.

4.3 — The exclusion decision in absolute merit is communicated to candidates by e-mail for the purpose of their hearing.

4.4 — After the phase of approval in absolute merit, the jury will begin the process of appraisal of applications, considering the criteria set out in this notice.

5 — Evaluation and selection:

5.1 — The selection method is curricular evaluation and an interview.

5.2 — The evaluation of the scientific and curricular course focuses on the relevance, quality and timeliness:



- a) Of scientific and technological production in the last five years, deemed most relevant by the candidate;
- b) Of applied research activities, or based on practical work, namely laboratory management activities, technical responsibility in the operation and maintenance of analytical infrastructures developed in the last five years deemed most impactful 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;

5.3— 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 on socially protected grounds like parental leave, long-term serious illness, and other legal situations of unavailability to work.

6 — Curricular Evaluation. This component of the evaluation is expressed on a numerical scale from 0 to 20 considering the following criteria:

6.1 — Curricular evaluation criteria are:

6.1.1: Criteria for the evaluation of the Scientific and technological Performance considered more relevant by the candidate (4 points);

- Quality and quantity of scientific production (books, book chapters and articles in ISI scientific journals) in the area that the Competition is open. This criterion will be expressed by the number and type of publications, and the recognition given by the scientific community (the quality of the location where it has been published and the references made by other authors);

6.1.2: Criteria for the evaluation of applied research activities, or based on practical work, namely laboratory management activities, technical responsibility in the operation and maintenance of analytical infrastructures developed in the last five years deemed most impactful by the candidate (10 points);

The evaluation of this criteria should have into account the number of years of proven laboratory management experience, including stock, waste and gas network management, and the operation and maintenance of equipment, including implementation, upgrading, optimization and repair. It should also be considered the variety of techniques and equipment operated as well as the management of the use of such equipment;

In addition, the research projects will be considered, and the management, participation and technical support for R&D projects will be evaluated.

6.1.3: Criteria for the evaluation 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 (6 points);

Participation in initiatives to disseminate scientific and technological knowledge under the auspices of the scientific community (for example organization of congresses and conferences) and to various audiences.

6.2 — The score obtained in the curricular evaluation method is expressed in numeric scale of 0 to 20, considering the valuation up to two decimal places.

6.3 — The jury deliberates by vote justified according to the criteria of evaluation, no abstentions are allowed.

6.4 — The classification of each candidate is obtained by averaging the scores of each of the elements of the jury.

In case of a tie, the decision of the tie-breaker shall be the responsibility of the chairman of the jury.

6.5 — Once the Curricular Assessment is completed, the top 3 candidates are approved for the next evaluation method as indicated in point 5.1.

6.6 — Candidates below the 3rd place are considered excluded from the competition.

7 — Face-to-face individual interview:

This session, which can be applied to all or part of the candidates, is intended solely for clarification of aspects related to the results of the investigation.

7.1 — The candidate will make a face-to-face individual interview that with a duration up to 20 minutes.

7.2 — Face-to-face interview evaluation is expressed on a numerical scale of 0 to 20, taking into account the candidate's scientific knowledge and ability to communicate as well as the answers to the questions put by the jury and their development perspectives in the project for which you are running.

7.3 — The jury deliberates by roll call voting, not permitting abstentions.

7.4 — The classification of each candidate is obtained by the average of the scores of the members of the jury.

8 — Ordering of candidates

8.1 — The final score of each candidate is obtained through an average heavy, being by assigning a weighting factor of 90% the curricular review and note a weighting factor 10% to note face-to-face individual interview.

In case of a tie, the decision of the tie-breaker shall be the responsibility of the chairman of the jury.

9 — Participation of the parties and decision:

9.1 — The final ordering project is communicated to candidates by e-mail for the purpose of their hearing.

9.2 — At the hearing of the interested parties, the jury appreciates the allegations offered and approves the final ordering list of candidates.

10 — Publication of Competition Notice

In addition to being publish in Series 2 of the Diário da República the present notice is also published in:

- a) The Public Employment Pool (BEP);
- b) The website of the Foundation for Science and Technology, I.P., in Portuguese and English;
- c) The website of the University of Aveiro, in Portuguese and English;
- d) In a national newspaper.

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

12 — In compliance with paragraph h) of Article 9 of the Constitution of the Portuguese Republic, the Government, as the employing entity, actively promotes a policy of equal opportunities between men and women in access to employment and professional advancement, scrupulously taking measures to avoid any form of discrimination.

27th of May of 2019 — The Rector, Doctor Paulo Jorge dos Santos Gonçalves Ferreira.