

**Public notice Ref.<sup>a</sup> CDL-CTTRI-143-ARH/2021** — 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 Researcher for the exercise of activities of scientific research in the scientific area of Physics, to the Centre for Environmental and Marine Studies (CESAM) and the Physics Department of the University of Aveiro, aiming to perform research, dissemination and scientific management functions, namely: implementation of hydrodynamic and water quality models in the Ria de Aveiro and adjacent coastal zone, dedicated to quantify and evaluate the effects of potential emissions from maritime transport in the Ria de Aveiro for various scenarios; realization of hydrodynamic and water quality forecasts in the Ria de Aveiro and adjacent coastal zone for various scenarios; dissemination of the results obtained; support to scientific management activities, within the scope of the EMERGE project - Assessment, control and mitigation of the environmental impact of ship emissions, financed by the European Commission, through the Horizon 2020 Programme.

The present public notice was opened on 19<sup>th</sup> of October of 2021 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 2134,73€.

#### 1 — Admission requirements:

Any national, foreign and stateless candidate(s) who hold a doctorate degree in Physics and a scientific and professional *curriculum* whose profile is suited for the activity to be performed, can submit their applications. Candidate(s) of the contest holding qualifications obtained abroad must prove the recognition, equivalence or registration of the doctor degree, in accordance with the applicable legislation. This formality must be fulfilled up to the date of conclusion of the contract.

#### 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/pt/sgrh/pessoal-investigador-novos-concursos-e-ofertas>.

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: Professor Doutor João Miguel Sequeira Silva Dias, Full Professor of the University of Aveiro

Jury members:

Professor Doutor José Fortes do Nascimento Lopes, Assistant Professor of the University of Aveiro de Aveiro

Professor Doutor Nuno Alexandre Firmino Vaz, Assistant Professor of the University of Aveiro de Aveiro

Substitute members:

Professor Doutor Paulo Manuel Cruz Alves da Silva, Assistant Professor of the University of Aveiro de Aveiro

Professor Doutor Jesus Manuel Pedreira Dubert, Assistant Professor of the University of Aveiro de 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 taking into account, cumulatively, compliance with at least one of the following requisites:

4.2.1 — Have at least five years of experience in scientific studies on estuarine physical oceanography and estuarine hydrodynamic and water quality modelling, proven by participation in projects or indexed publications,

4.2.2 — The applicant is the author or co-author of at least 15 articles, in the scientific area that the Competition is open, indexed in the Science Citation Index Expanded of the Web of Science from Clarivate Analytics where document type = article or document type = review, or in the SCI Verse Scopus with the same characteristics, or

4.2.3 — Have obtained a total of at least 200 citations in the Science Citation Index Expanded of the Web of Science from Clarivate Analytics or in the SCI Verse Scopus to the scientific works produced in the area for which the contest is open.

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, taking into account the criteria set out in this notice.

#### 5 — Evaluation and selection:

5.1 — The selection methods are 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, technological, cultural or artistic production in the last five years, deemed most relevant by the candidate;
- b) Of applied research activities, or based on practical work, 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;
- d) Of the activities of management of science, technology and innovation programmes, or the experience in observing and monitoring the scientific and technological, or higher education system, in Portugal or abroad.

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 by 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 taking into account the following criteria:

6.1 — Curricular evaluation criteria are:

6.1.1 - Criteria for the evaluation of the scientific performance of the last five years considered more relevant by the candidate (14 points);

- Quality and quantity of scientific production in the area that the Competition is open (books, articles in scientific journals, papers presented in conferences) 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);

- Coordination and participation in scientific projects. The quality and quantity of scientific projects led or in which the applicant has participated within the subject area of the Competition, whether financed through public funds of national or international agencies or by enterprises. The assessment of the quality must take into account the funding obtained, the degree of difficulty of the funding competition, the expert assessment of the projects and the resulting prototypes, particularly if they led to the development of products or services.

- Intervention in scientific community and constitution of scientific teams. Assessing the capacity to intervene in scientific community, particularly by organizing scientific congresses, being (co-)editor of magazines, participation in the assessment of projects and articles, being invited to give speeches, being a member of academic jurys, as well as being recognized through awards or other distinctions and respective impact. It will also evaluate the orientation of students in doctoral and post-doctoral work.

6.1.2 - Criteria for the evaluation of the activities of extension and dissemination of knowledge developed in the last five years, namely in the context of the promotion of culture and scientific practices, considered most relevant by the candidate (5 points):

- Patents, registration and ownership of rights, development of technical standards and legislation. Authorship and co-authorship of patents, registrations of ownership of intellectual property rights over software, mathematical methods and rules of mental activity. Participation in standardization commissions and in the

preparation of legislative projects and technical standards. The evaluation of this criterion must also consider the economic valuation resulting from patents and intellectual property rights.

- Participation in consulting, testing and measurement activities involving the business environment and / or the public sector. Participation as a trainer in vocational training or technological specialization courses aimed at companies or the public sector. The evaluation of this criterion must also consider the economic valuation of the research results achieved, as measured by the contracts for the development and transfer of technology to which they originated and the spin-off companies to which they have contributed.

- Participation in scientific and technological dissemination initiatives with the scientific community (for example, organization of congresses and conferences) and for different audiences. Publications for scientific and technological dissemination. Presentation of lectures and seminars for the general public.

6.1.3 - Criteria for evaluating the management activities of science, technology and innovation programs, or experience in observing and monitoring the scientific and technological system or higher education, in Portugal or abroad (1 point):

- Participation of the candidate in scientific, technological and innovation management activities, or in the observation and monitoring of the scientific and technological system or of higher education, in Portugal or abroad.

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 the top 3) candidates are approved for the next evaluation method as indicated in point 5.1.

6.6 — Candidates who obtained a rating of less than 10 points are excluded from the public notice.

## 7 —Interview

7.1 — The interview will have a duration of 30 minutes.

7.2 — The interview evaluation is expressed on a numerical scale of 0 to 20, considering 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 unit 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 also 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 weighted average, by assigning a weighting factor of 90% to the curricular review note and a weighting factor of 10% to the interview note.

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 specify 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.

19th of October, 2021 — The Rector, *Professor Doutor Paulo Jorge dos Santos Gonçalves Ferreira*.