

**NOTICE OF THE OPENING OF AN INTERNATIONAL CALL FOR RECRUITMENT OF ONE
PHD RESEARCHER**

Ana Cristina Freire, Full Professor and Dean of the Faculty of Sciences of the University of Porto, hereby advertises the opening for 30 working days of an international call for recruitment on **ONE** PhD researcher, within the Project of UIDP/04650/2020, financed by FCT.

Main research field: Physics

Admission requirement: Application can be submitted by any nationals, foreigners and stateless people that hold a **PhD degree** in the above-mentioned scientific area and hold a scientific and professional curriculum appropriate to the activities to be developed.

If the candidate holds a doctorate awarded by a foreign higher education institution, it must comply with the provisions established in the Decree-Law no. 66/2018. All the formalities established in the Decree-Law must be met until the hiring.

Failure to comply with these requirements will result in the preliminary rejection of the application.

Job description

- To conduct research with international impact in one of the research fields: (1) Quantum Fields and Gravitation, (2) Quantum Physics in Condensed Matter Theory, (3) Quantum Physics of Nonlinear Systems. The research to be developed should contemplate studies in the following sub-areas: (1) conformal field theory, string theory, cosmology, and black-hole physics; (2) low dimensional and/or topological and/or strongly correlated electronic systems; (3) atomic and polaritonic Bose-Einstein condensates.

- Teaching Service in the Department of Physics and Astronomy of the Faculty of Science of Porto. (Up to four semantic teaching hours, on an annual average according

to Article 12, paragraph 3 of Regulation No. 487/2020 of the Research, Science and Technology Staff of the University of Porto).

Legal framework:

Decree-Law N^o, 57/2016 of 29th August, amended by Law no. 57/2017 of 19th July, establishing the Regulation of Scientific Employment (*Regime Jurídico do Emprego Científico - RJEC*); Regulatory Law no. 11-A/2017 of 29th December; the Labour Code in the current version of Law no. 7/2009 of 12th February.

Regulation No. 487/2020 of the Research, Science and Technology Staff of the University of Porto, published in the 2nd series of Diário da República on May 22, 2020.

The place of work: The tasks will be developed in the Department of Physics and Astronomy, Research unit CF-UM-UP.

Duration of contract: The present work contract is due to start on **July 2021** and will be maintained only for the period due to accomplish the tasks of the job description, under an exclusive dedication regime.

Remuneration: € **2,134.73** in accordance with paragraph a) of paragraph 1 of article 15 of Law No. 57/2017, of 19 July and with the first remuneration position of the initial level provided for in article 2 of the Regulatory Decree n. 11-A / 2017, of 29 December, corresponding to level 33 of the single remuneration table updated by DL 10-B / 2020.

Methods of selection and definition of their weights/evolution criteria:

According to Article 5 of the RJEC, selection will be based on the evaluation of the candidates' scientific and academic career.

The evaluation of the scientific and curricular path, taking into account the profile appropriate to the activity to be developed, focuses on relevance, quality and current impact of:

- a) the scientific and technological production considered to be more relevant by the applicant, with special focus on the last five years;
- b) the activities of extension and dissemination of knowledge developed, with special focus on the last five years , in particular in the context of communicating scientific results in international meetings and research groups, and in the context of culture and scientific practices promotion that are considered by the candidate to be of greater relevance.

The period of five years referred to in the preceding paragraph may be increased by the jury, at the request of the candidate, when justified on grounds of suspension of scientific activity for socially protected reasons, namely on grounds of parental leave, prolonged serious illness, and other situations of unavailability for work legally protected.

Grading system:

The selection process will be done through the evaluation of the scientific and curricular path of the candidates (ESCP), focusing on the relevance, quality, state-of-the-art and suitability of this path to the tasks to be performed. In particular, it will be taken into account the most relevant activities of the last five years that fall under the scope of this project, according to the following specific criteria:

F1: Quality of the CV - Weight: 70%

F2: Evaluation of the work plan - Weight: 30%

$$\text{ESCP} = \text{F1} * 0.7 + \text{F2} * 0.3$$

The grading system will produce a result on a 0 to 100 scale, based on the basis of the above-mentioned criteria and weights.

The Selection Committee shall deliberate by means of a nominal vote based on the selection criteria adopted and published, and abstentions are not allowed.

Minutes of the meetings of the jury are drawn up, containing a summary of what has taken place in the meetings, as well as the votes cast by each of the members and their reasons; these minutes should be available to candidates whenever requested.

After completing the application of the selection criteria, the jury will draw up an ordered list of successful candidates with their classification.

The selection process may include an interview (I) to the best three candidates indicated by the Selection Committee. In that case, the final candidate's grade will have the following weights: 90% of the previous result, combined with 10% of the interview's grade.

$$CF = ESCP * 0.9 + I * 0.1$$

Composition of the Selection Committee:

President: Eduardo Filipe Vieira de Castro, Professor Auxiliar, FCUP

1° member: Miguel Sousa da Costa, Professor Associado, FCUP

2° member: João Manuel Borregana Lopes dos Santos, Professor Catedrático, FCUP

3° member: Orfeu Bertolami Neto, Professor Catedrático, FCUP

4° member: Augusto da Silveira Rodrigues, Professor Auxiliar, FCUP

1° alternate member: José Manuel Pereira Carmelo, Professor Catedrático, Universidade do Minho

Results notifications:

Lists of admitted and excluded candidates, as well as the final ranking lists, will be published and advertised on the webpage of this call at the Faculty of Sciences of the University of Porto, and all candidates will be notified by under the terms of the Code of Administrative Procedure.

Submission of applications:

The applications must be exclusively submitted through the web page of this opening (https://sigarra.up.pt/fcup/pt/cnt_cand_geral.concursos_list, n°207), within 30 working days after publication in DR, at the attention of the Selection Committee, and include the following documents:

- Application form;
- Copy of the PhD diploma or certificate;
- Detailed *Curriculum vitae*;
- Brief description of the most relevant scientific activities in the last 5 years;
- Work Plan;
- Other documents deemed important by candidate for the evaluation.

All candidates who submit their applications in an improper manner or fail to fulfil the requirements established in this call are excluded from admission. In case of doubt, the Selection Committee is entitled to request any candidate present further documentation to support their statements.

False statements provided by candidates are punishable by law.

Non-discrimination and equal access policy:

FCUP actively promotes a policy of non-discrimination and equal access, so that no candidate can be privileged, beneficiary, disadvantaged or private of any right or exemption from any duty owing, in particular, to ancestry, age, sex, sexual orientation, marital status, family status, economic situation, education, social origin or condition, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological beliefs and trade union membership.

Under the terms of D.L. No. 29/2001, of February 3rd, the disabled candidate has preference in equal classification, which prevails over any other legal preference. Candidates must declare their respective degree of incapacity, the type of disability and the means

of communication / expression to be used in the selection process, under the terms of the aforementioned diploma.

The application is open from 12/05/2021 to 24/06/2021.