

## **CALL TO FULFIL TWO (02) FULL-TIME FACULTY POSITIONS IN PHYSICS**

The Academic Department of Sciences (DAC, in Spanish) of the Pontifical Catholic University of Peru (Spanish: Pontificia Universidad Católica del Perú, PUCP), within the framework of the Programme for Attracting Young full-time Professors (Tenure Track), invites you to participate in the selection process for the assignment of

Two (02) full-time positions for professors in the Physics Section in any of the following areas: high energy, materials science, nonlinear dynamics, environmental radioactivity, quantum optics.

Deadline to apply: 03 September, 2021

Applicants must have the academic degree of Doctor of Physics or related areas. The selected candidate will work in the Academic Department of Sciences - Physics Section of the Pontifical Catholic University of Peru, with a workload of forty (40) hours per week, which includes research activities, teaching and participation in academic-administrative tasks (thesis jury, commissions, etc.).

### **Bases of the call**

#### **Requirements**

The requirements are referential, being representative of the level and equivalent skills expected of those who are selected for the positions offered.

- Be, preferably, less than 35 years old.
- Have three or more years of postdoctoral experience.
- Have published articles (excluding proceedings) in academic journals indexed in Scopus or Web of Science. A typical competitive publication rate would be 8 publications in the last 6 years, of which at least 5 are located in the Q1 or Q2 quartiles.
- Have presented 4 or more talks / posters at peer-reviewed international academic congresses, related to the area of expertise.

Additionally, the applicant is expected to meet at least one of the following:

- Have a scientific production that corresponds to an  $H_{index} > 5$ .
- Have been principal investigator or co-investigator in funded projects.
- Have teaching experience at university level (from the level of a "teaching assistant").
- Have (co) advised one or more postgraduate thesis.

#### **Commitments for the three-year contract period**

The hired professor will have the following commitments for the next three years.

1. Research commitments:
  - Have a high-quality academic production indexed in Scopus or Web of Science

- (Q1 / Q2): minimum of 6 publications in the evaluated period.
- Disseminate their research in peer-reviewed academic congresses with an international scientific committee: participation in at least one annual congress on average. Congresses can be virtual or in-person.
  - Participate in the research group related to their area of expertise.
  - Participate as principal investigator in at least one research project submitted to secure external funding.
2. Commitments in teaching:
- Teach 10 hours per year (on average 5 hours per week per semester) divided into undergraduate and / or graduate courses.
  - Handle student thesis advising at undergraduate and / or graduate levels and achieve the defence of at least 1 thesis.
  - Have a good performance in the Teacher Opinion Survey. The professors commit to obtain high marks according to the teaching evaluation of the students.
3. PUCP affiliation. PUCP membership is mandatory for all publications, presentations, workshops and events that take place during the tenure track period. Those products that do not meet this requirement will not be evaluated at the end of the period.
4. Exclusivity. During the tenure track period, exclusivity is required in teaching and research activities. The person selected will not be able to perform teaching and research activities in other higher education institutions except as a visiting professor and / or researcher.

#### Employee benefits and perks

In addition to the legal rights (national health insurance, pension savings system, 60-day annual leave), full-time university professors can access the following benefits:

- Annual bonus for scientific publications (in case the number of assumed commitments are exceeded).
- Annual bonus for good teaching performance.
- Financial support to attend international academic events to present their scientific research.
- Possibility of obtaining funding for their research projects through the Annual Research Projects Contest (Spanish: Concurso Anual de Proyectos de Investigación).
- Discounts on courses and academic programmes at the university.
- Possibility of accessing the complementary health insurance (Spanish: EPS)

#### Required documentation:

- Interested candidates who meet the requirements must submit the below documents digitally, until 03/09/2021, sending them directly to the email [ochavez@pucp.edu.pe](mailto:ochavez@pucp.edu.pe) noting the subject “Application Physics Tenure Track - LAST NAME”

The documents must be submitted in a single file in PDF format that does not exceed 5MB. Any questions about the application process by candidates can be directed to [ochavez@pucp.edu.pe](mailto:ochavez@pucp.edu.pe).

PUCP promotes gender equality in academia. Female candidates who meet the requirements and profile indicated are encouraged to apply.

1. Curriculum Vitae in English or Spanish.
2. Scanned degrees and / or titles obtained.
3. A cover letter (maximum 2 pages) addressed to the head of the Science Department, Dr. Francisco Ugarte Guerra, in which the applicant states:
  - Presentation of their academic record
  - Position and institution to which they currently belong
  - Description of the line of research
  - Main academic and professional achievements
  - Interests and motivations to apply for the position
  - List of attached documents
4. A statement on their research interests (Research Statement), maximum two pages, that includes:
  - A summary of their research, indicating those that are most representative of their work
  - The research projects and future research that they would like to develop at the university if they are selected.
  - Academic links that could lead to collaborative projects.
5. A statement on their teaching experience / perspectives (Teaching Statement), maximum two pages, that includes:
  - Experience in university teaching, if any.
  - Courses or subjects related to the discipline that they would like to teach at the university.
  - Description of experience in handling student thesis advising at undergraduate and graduate levels, if any.
6. Two letters of recommendation from researchers or university professors with whom they have worked.

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### Evaluation process

The evaluation of the candidates will be carried out by a five-member jury made up of three (3) professors from the Department (2 from the area and one from a different area) and two (2) external evaluators from internationally renowned universities. The purpose of the evaluation process is to select the most suitable candidates to fill the position available in this contest and will focus on three areas: teaching, research and projection at the University. Likewise, the evaluation will be made up of three cancellation stages:

1. Review of submitted documents
2. Evaluation of competences in teaching and research, which will be carried out through three consecutive seminars, research works that they consider to be the most representative of their capacities, a future research proposal, and a model

class. Finally, they will be interviewed. If necessary, the seminars and the interview will be carried out remotely, virtually.

3. Psychological evaluation. It will be carried out by specialists and will not be part of the evaluation score.

Informative note: PUCP performs psychological analyses of the personnel it hires, within the framework of an occupational health policy, which respects the privacy and non-discrimination standards prescribed by law.

### Queries

Those interested can direct their inquiries to Engr. Óscar Chávez [ochavez@pucp.edu.pe](mailto:ochavez@pucp.edu.pe) with the subject Call TC Position 2021-1.