

CALL TO FULFIL ONE (01) FULL-TIME FACULTY POSITION IN CHEMISTRY

The Academic Department of Sciences (DAC, in Spanish) of the Pontifical Catholic University of Peru (PUCP, in Spanish), 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

One (01) full-time position for a research professor in the Chemistry Section in the area of Inorganic Chemistry

Deadline to apply: 03 September, 2021

Applicants must have the academic degree of Doctor of Chemistry from a prestigious university and have extensive research experience in the area of Inorganic Chemistry.

The selected candidate will work as a lecturer and researcher in the Academic Department of Sciences - Chemistry 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

- Have a doctorate degree in Chemistry in an internationally recognized chemistry program.
- Be specialized in inorganic synthesis of materials with advanced knowledge of crystallography for the resolution of crystalline structures.
- Have an extensive record of publications in the area in prestigious indexed journals. As reference, a competitive publication record would be 5 publications indexed in Web of Science or Scopus during the last 5 years, preferably in the Q1 and Q2 quartiles.
- Have demonstrated participation in research projects and fundraising.
- Have teaching experience of advanced level courses is desirable.
- Proficiency in Spanish is highly desirable; English is mandatory. The use of another language at an intermediate level will be positively evaluated.
- Be, preferably, less than 35 years old.

Commitments for the three-year contract period

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

1. Research commitments:
 - Publish at least 3 academic articles in journals indexed in Web of Science or Scopus (Q1 or Q2) with PUCP affiliation.
 - Disseminate their research in at least two peer-reviewed academic congresses with an international scientific committee (virtual or face-to-face).
 - Formulation and participation in research projects with competitive funding.

2. Commitments in teaching:
 - Teach 10 hours per year, of which at least 6 hours correspond to undergraduate regular courses.
 - Guide and advise undergraduate or graduate students in the development of their theses.
 - Show good performance in the Professor Opinion Survey.
 - Contribute to the development and improvement of courses and adapt to the Continuous Improvement Plan of the Chemistry Section.

3. PUCP affiliation. The professor agrees to indicate affiliation to the Pontifical Catholic University of Peru in all publications and presentations held at academic events.

4. Exclusivity. The professor agrees that, during the assignment period, he will only have teaching hours at the Pontifical Catholic University of Peru. That is, they will not be able to develop teaching and research activities in other higher education institutions (or equivalent) except as a visiting professor or researcher.

About the University, the Academic Department and the Chemistry Section

The Pontifical Catholic University of Peru (PUCP, in Spanish), founded in 1917, currently has almost 30,000 undergraduate and postgraduate students. Its modern facilities are distributed in a university campus of more than 40 hectares located in Lima. The PUCP is institutionally accredited by the International Institute for Quality Assurance (IAC-CINDA, in Spanish) and is ranked as the best in the country and number 15 in Latin America according to the 2021 QS World University ranking.

The Academic Department of Sciences (DAC, in Spanish) of PUCP was founded in 1966 and currently groups the instructors and professors of the Physics, Mathematics and Chemistry Sections. The Chemistry Section has very well-equipped teaching and research laboratories. In the Instrumental Analysis laboratory, there is a spectrofluorometer, UV-Vis spectrophotometers, UV-Vis, atomic absorption, and FT-IR (ATR), gas chromatographs coupled to a mass spectrometer, high-performance liquid chromatography equipment (HPLC-DAD -MS) and a portable X-ray fluorescence equipment. The Nuclear Magnetic Resonance Spectroscopy Centre (Spanish: CERMN) of the Chemistry Section has a 500 MHz NMR with triple inverse cryogenic (He) probe (^1H / ^{13}C / ^{15}N) with an AVANCE III

HD console, the only one in Peru. The PUCP Materials Characterization Centre has X-ray diffraction equipment for polycrystalline sample (Bruker D8 Discover DaVinci), X-ray fluorescence (Bruker Tiger S8), scanning electron microscopy (FEI Quanta 650) and Raman spectroscopy (Renishaw Invia with 633nm and 785nm lasers). The teaching staff of the Chemistry Section is made up of 13 full professors and 27 part time lecturers. The undergraduate degree in Chemistry is internationally accredited by the National Council for the Evaluation of Chemical Sciences Programs (Spanish: CONAECQ) of Mexico.

Employee benefits and perks

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

- Annual bonus for scientific publications
- Annual bonus for good teaching performance
- Financial support to present talks at international congresses
- Possibility of obtaining funding (50,000-180,000 soles) for their research projects through the Annual Projects Contest (Spanish: Concurso Anual de Proyectos).
- 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 noting the subject "Application Chemistry Tenure Track - LAST NAME". The resume with the requested documents must be submitted in a single PDF file.

1. Documented Curriculum Vitae
2. Scanned degrees and / or titles obtained
3. A cover letter 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
 - Line of research
 - Main academic and professional achievements
 - Interests and motivations to apply for the position
 - Commitments to be made if hired by the university
 - Projection as a university professor
 - List of attached documents
4. A statement on their research interests, maximum two pages, that includes:
 - A review of their interest and capabilities in the research

- Topics or line of research, as well as research groups or networks to which they belong
 - 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. Likewise, they must indicate the strategy they intend to follow to obtain funds that will allow them to consolidate their line of research.
 - Academic links that could lead to collaborative projects.
5. A statement on their teaching experience. Maximum two pages in A4 format, stating:
 - Experience and personal conception of university teaching
 - The courses they would like to teach at the university
 - Their teaching strategies, their strengths and aspects of improvement in university teaching
 - Interests and ability to handle student thesis advising at undergraduate and postgraduate levels
 6. Three letters of recommendation from researchers or university professors with whom they have worked.

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 interviews and the presentation of a model class and a seminar.
3. Psychological evaluation. It will be carried out by specialists and will not be part of the evaluation score.

Informative note: PUCP performs psychological analysis 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 with the subject Call TC Position 2021-1.