

CONVOCATORIA Nuevos Profesores PUCP



CALL TO FULFILL A FULL-TIME TEACHING POSITION IN THE AREA OF ANALYTICAL CHEMISTRY FOR THE ACADEMIC DEPARTMENT OF SCIENCES - CHEMISTRY DIVISION

The Academic Department of Sciences (DAC, in Spanish) of the Pontificia Universidad Católica del Perú (PUCP) invites you to participate in the selection process for the assignment of

**One (01) full-time position for a teaching faculty in the Chemistry Division in the area of
Analytical and General Chemistry**

Deadline to apply: May 30th, 2024

Applicants must have the academic degree of Doctor of Chemistry from a prestigious university undergraduate teaching experience and extensive research experience in the area of Analytical or Bioanalytical Chemistry.

The appointed candidate will serve as a Lecturer and Researcher within the Academic Department of Sciences - Chemistry Division at Pontificia Universidad Católica del Perú. This role requires a commitment of forty (40) hours per week, encompassing teaching responsibilities (course development and enhancement, lecturing, and preparation of instructional and assessment materials), research duties (project development, pursuit of internal and external funding, and publication of findings in indexed journals), as well as engagement in academic and administrative duties (serving on thesis juries, committees, and undertaking special assignments).

BASES OF THE CALL

Requiriments

1. Doctorate in Chemistry in an internationally recognized chemistry program.
2. Advanced knowledge in analytical or bioanalytical chemistry evidenced by publications or taught courses.
3. Extensive record of publications in Q1 and Q2 indexed journals (Web of Science and Scopus) in the last 5 years in research lines related to analytical or bioanalytical chemistry.
4. Participation in funded research projects.
5. Teaching experience in general chemistry and analytical or bioanalytical chemistry courses at undergraduate or graduate levels in the last 5 years.
6. Knowledge of Spanish and English is required. The command of another language will be positively evaluated.
7. Be, preferably, less than 35 years old.

CONVOCATORIA Nuevos Profesores PUCP



Commitments

The selected candidate will have the following commitments:

1. Commitments in teaching:

- Instruct courses totaling 10 teaching hours per week each semester, spanning undergraduate and postgraduate levels, including introductory chemistry courses for first-year students.
- Supervise undergraduate or graduate students in the development of their theses.
- Show high teaching performance evaluated by the student surveys.
- Contribute to the development and improvement of courses and adapt to the Continuous Improvement Plan of the Chemistry Division of DAC.

2. Research commitments:

- Formulation and participation in research projects with competitive funding.

3. Other commitments

- PUCP affiliation is mandatory for all publications, presentations, workshops, and events that take place during the hiring period.

About the university, the academic department and the chemistry section

The Pontificia Universidad Católica del Perú (PUCP), 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 10 in Latin America according to the 2023 Quacquarelli Symonds (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 a 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 samples (Bruker D8 Discover DaVinci), X-ray fluorescence (Bruker Tiger S8), scanning electron

CONVOCATORIA Nuevos Profesores PUCP



microscopy (FEI Quanta 650) and Raman spectroscopy (Renishaw Invia with 325, 488, 514, 633 and 785nm lasers). The teaching staff of the Chemistry Section is made up of 16 tenured professors and 29 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.

Institutional benefits

Full-time PUCP university professors can access the following benefits:

- 60-day annual leave
- Annual bonus for scientific publications (research recognition)
- Annual bonus for remarkable teaching performance (teaching recognition)
- Financial support to present talks at international congresses (registration and travel expenses)
- Possibility of obtaining internal funding for their research projects through the Annual Research Project Call (Spanish: Concurso Anual de Proyectos)
- Discounts on courses and academic programs 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, by 05/30/2024, sending them directly to the email ochavez@pucp.edu.pe noting the subject "Application Chemistry TC - LAST NAME".

1. Curriculum Vitae in English or Spanish.
2. Scanned degrees and/or titles obtained
3. A cover letter, maximum two pages, addressed to the head of the Science Department, Dr. Jorge Moreno Ruiz, in which the applicant briefly states:
 - Presentation of their academic record
 - Position and institution to which they currently belong
 - Line of research and teaching philosophy
 - 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

CONVOCATORIA

Nuevos Profesores PUCP



4. A statement on their research interests, maximum two pages, that includes:
 - Review of interests and capabilities in research
 - Topics or lines of research, as well as research groups or networks to which they belong
 - A summary of their research contributions, indicating those that are most representative of their work
 - The future research projects that they would like to develop at the university if they are selected
 - Connections in academia that could lead to collaborative projects
5. A statement on their teaching philosophy, maximum two pages, stating:
 - Experience and personal conception of university teaching
 - The courses they would like to teach at the university
 - Summary of the courses taught, indicating those that are most representative of their experience
 - The courses you would like to offer
 - Teaching strategies, 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.

The resume with the requested documents must be submitted in a **single PDF file**.

PUCP promotes gender equality in academia. We encourage women candidates who satisfy the call requirements to apply.

Evaluation process

The evaluation of the candidates will be carried out by a five-member jury made up of the Head of the Academic Department of Sciences, the Dean of the Faculty of Sciences and Engineering, the Coordinator of the Chemistry Division, and two members of the Council of the Academic Department of Sciences.

The purpose of the evaluation process is to identify the most suitable candidates for the available position outlined in this call. The assessment will concentrate on three key areas: teaching, research, and university engagement. The evaluation will unfold across three elimination stages:

CONVOCATORIA

Nuevos Profesores PUCP



1. Review of submitted documents
2. Assessment of teaching and research competencies, conducted through interviews and the delivery of a model class and seminar.
3. Psychological evaluation, administered by specialists. This evaluation will not contribute to the overall score but is aimed at providing additional insight.

Informative note: PUCP conducts psychological assessments as part of its hiring process, adhering to an occupational health policy that upholds legal standards of privacy and non-discrimination prescribed by law.

Queries

Interested parties can direct their inquiries to Eng. Óscar Chávez ochavez@pucp.edu.pe with the subject "Application Chemistry TC - LAST NAME"