

Research Positions

The Institute of Physics of the National Autonomous University of Mexico (UNAM) invites applications for a position equivalent to Associate Researcher level C in the following area:

Quantum Physics and Photonics

Applicants with experience in theoretical frontier topics. Of particular interest are the following areas:

Theoretical physics in atomic physics, optics or quantum information, focusing on the development of quantum technologies.

Candidates must:

- a.** Have a Ph. D. degree and a strong background in physics or related fields.
- b.** Be younger than 39 years of age for women and 37 years of age for men at the time of appointment.
- c.** Have at least two years of postdoctoral research experience in the area.
- d.** Have experience according to the level and category of the position and to the proposed research topic, with original published contributions.

Candidates are expected to engage in competitive and independent research programmes, teaching at undergraduate and graduate levels, recruitment, supervision and mentoring of undergraduate and graduate students, participation in university service and professional activities, to develop an actively funded research programme of the highest quality. It is encouraged that the proposed research project complements and extends existing research topics at the Institute of Physics (<http://www.fisica.unam.mx/>). Since UNAM is a public university with a strong commitment to improving access to higher education in Mexico for students from diverse backgrounds, candidates are expected to have sufficient knowledge of Spanish to begin teaching and reach a fluent level within one year.

Applications should be submitted via the portal <http://olimpo.fisica.unam.mx/plazas> and should include:

- 1.** Application letter addressed to Prof. Mercedes Rodríguez, Director of the Institute of Physics, UNAM. The letter must clearly state the applicant's research area and their motivation to join the faculty of the Institute of Physics. Further, it must express that the candidate agrees to the terms of the present call.
- 2.** A detailed curriculum vitae, including a full list of publications, as well as the applicant's ORCID

- ID, SCOPUS Author Identifier and/or Web of Science Researcher ID.
3. A brief statement of the candidate's contribution to their three most important publications (less than 200 words each).
 4. A brief statement of the candidate's **research achievements** including the methodologies that have been used or developed (less than 1000 words).
 5. A statement of **research project** for the first 3 years of their appointment and perspectives for the long-term (less than 2000 words).
 6. Applicants should provide the names and contact information of 3 references, who will be asked via email to provide letters of recommendation.
 7. Statement on teaching at undergraduate and graduate levels in physics, being explicit about the specific lectures to teach (less than 200 words).

All applications should be received by april 26th, 2024.

The selection committee will schedule an interview and a seminar for some potential candidates. The position will be tenure-track and begin as early as August 1st. 2024. Salary and benefits will be those established by UNAM, for a position as Associate Researcher level C with initial yearly contracts. The Institute of Physics at UNAM is particularly interested in candidates who can contribute to the diversity, inclusiveness, and excellence of the academic community through research, teaching, and service as appropriate to the position.

For further information, please contact:

Dr. Saúl Ramos Sánchez
Secretary of the Selection Committee
E-mail: plazas@fisica.unam.mx

Prof. Mercedes Rodríguez Villafuerte
Director
Institute of Physics, UNAM
Ciudad Universitaria, Mexico City, January 22nd, 2024