



## CALL FOR APPLICATIONS

### Tenure-Track Faculty Position

#### Department of Plasma Physics and Radiation-Matter Interaction

The **Instituto de Ciencias Nucleares (ICN)** at the **Universidad Nacional Autónoma de México (UNAM)** invites applications for a **tenure-track faculty position (Investigador Asociado C)** within the **Department of Plasma Physics and Radiation-Matter Interaction**, in one or more of the following research areas:

- Astrophysics and planetary systems
- Astrobiology
- Plasma physics and nuclear fusion
- Atomic physics and radiation-matter interaction
- Artificial Intelligence applied to some of the topics mentioned above

We seek a highly motivated and promising scientist to contribute to the Institute's research and teaching activities, fostering academic excellence and innovation.

The salary is competitive, and we will support applications for an additional payment package from Sistema Nacional de Investigadoras e Investigadores, or SNII. The position also offers a comprehensive benefits package, including medical insurance (public and private) for the researcher and their immediate family, life insurance, and access to a pension and housing fund.

### Position Overview

The successful candidate will be expected to:

- Conduct cutting-edge research in their field of expertise.
- Develop and lead independent research projects, including securing external funding.
- Collaborate with faculty members and research groups within ICN and across other institutions.



- Teach undergraduate and graduate courses.
- Supervise and mentor undergraduate, M.Sc., and Ph.D. students.
- Contribute to the academic and administrative responsibilities of the Institute.
- Collaborate with the institutional science outreach activities.

## Eligibility Criteria

Applicants must meet the following requirements:

- A Ph.D. in Physics, Chemistry, Data Science, or a closely related field.
- A strong track record of research accomplishments, evidenced by publications in leading peer-reviewed journals.
- At least two years of postdoctoral experience.
- A commitment to promoting diversity, equity, and inclusion in academia.
- Proficiency in written/spoken Spanish and English or a willingness to become proficient within a reasonable time frame.

The following qualifications are desirable but not required for early-career researchers:

- Proven ability to secure external research funding.
- Teaching experience at the undergraduate or graduate level.

## Application Deadline and Submission Materials

Applications must be submitted by **April 7th, 2025, at 11:59 p.m. (GMT-6)**. Please submit all application materials through the Institute's online application handling system:

<https://secretaria.nucleares.unam.mx/convocatorias/plasmas2025>

If you have any questions about this process, please contact **Dr. Fabio de Colle** ([fabio@nucleares.unam.mx](mailto:fabio@nucleares.unam.mx)), and be sure to copy [sriacad@nucleares.unam.mx](mailto:sriacad@nucleares.unam.mx).

The system will request the following documents:



- Curriculum vitae: A comprehensive CV, including a list of publications, teaching experience, and any current or past research funding.
- Summary of citations: Provide a link to your Google Scholar profile (or a similar academic platform) or submit a free-format citation report.
- Research statement: A document describing future research plans. Present a three-year vision as well as a long-term outlook.
- Letter of motivation and intent: A document describing academic achievements and the candidate's motivation to pursue a scientific career at ICN.
- Reference letters: Contact information for at least three academic references who can provide letters of recommendation.

## Selection Process

The selection committee will review applications and may invite shortlisted candidates for interviews and a seminar covering past and current research. The final selection will be based on research excellence, teaching experience, and alignment with the Institute's strategic goals.

## About the Instituto de Ciencias Nucleares (ICN)

ICN is a leading research institute at UNAM, one of the most prestigious universities in Latin America. Our faculty conducts research in diverse areas, including nuclear and atomic, high-energy, plasma, and mathematical physics, gravitation and field theory, astronomy, optics, data science, and chemistry, among others.

## Equal Opportunity Statement

We call on women scientists and scientists from historically underrepresented groups to participate in this process. One of ICN's strategic goals is to expand the plurality of its academic community.



Our Institute recognizes plurality, diversity, and parity as fundamental principles of university ethics and academic excellence. Therefore, it is committed to ensuring the full exercise of the right to equality and non-discrimination within the framework of this academic selection process. It also pledges to prevent and address, through the appropriate institutional channels, any form of discrimination based on gender or any other reason, as well as all forms of violence, including gender-based violence.

Note: This procedure does not constitute a “Concurso de Oposición Abierto”. The decision reached will be final and not subject to appeal.

We look forward to receiving your application and welcoming you as a new faculty member who will contribute to our Institute's academic excellence.

**“POR MI RAZA HABLARÁ EL ESPÍRITU”**

**Ciudad Universitaria, Coyoacán, Ciudad de México, February 7, 2025**

**DR. ALFRED B. U’REN CORTÉS**

**DIRECTOR**