

Postdoctoral Position in Observational Astronomy

Department of Physics, Universidad de los Andes,
Bogotá, Colombia

The Department of Physics at Universidad de los Andes invites applications for a postdoctoral position in Observational Astronomy, to work in one of the following research areas within our Astronomy group:

- **Stellar Variability and Be Stars** (Prof. Beatriz Sabogal): observational and theoretical studies of Galactic and extragalactic Be stars, stellar variability analysis, circumstellar disk evolution, and astrostatistics applications.
- **Extragalactic Distance Scale and Stellar Populations** (Prof. José Alejandro García-Varela): Cepheid variable studies, astrometry with machine learning, open cluster analysis, and contributions to large-scale distance measurement projects.
- **Observational Cosmology** (Prof. Jaime Forero-Romero): Dark Energy Spectroscopic Instrument (DESI) collaboration member focusing on cosmic web structure analysis, large-scale survey design and targeting, and cosmological parameter constraints from spectroscopic data.
- **Astronomical Instrumentation and Spectroscopy** (Prof. Benjamín Oostra): high-resolution spectroscopy, instrumentation development, and observational techniques for stellar studies.

The successful candidate will join an active and collaborative research environment with opportunities to interact with faculty and students across several areas of observational and computational astronomy. The selected candidate will have a small teaching load per semester (3 hours per week), lecturing a first-year undergraduate physics course.

Position details:

- Start date: August 1st, 2025
- Duration: 1 year, renewable for a second year upon mutual agreement, candidate performance and funding availability

Qualifications:

- Ph.D. in Astronomy, Physics, or a closely related field

- A strong background relevant to one or more of the target research areas (stellar astronomy, extragalactic astronomy, observational cosmology, computational astrophysics, astronomical instrumentation)
- Demonstrated ability to conduct independent research
- Interest in interacting with and mentoring graduate and undergraduate students
- Good command of English or Spanish

Application materials:

- Curriculum vitae with list of publications
- Brief statement of research interests (1-2 pages), indicating preferred research group(s)
- A list of emails of at least three people who could provide a reference

Deadline for applications: July 7th, 2025

How to apply: Applications must be submitted online at:

<https://fisicaconvocatoriasp.uniandes.edu.co/>

For informal inquiries or further information, please contact:

- Stellar Variability and Be Stars group, Prof. Beatriz Sabogal, bsabogal@uniandes.edu.co
- Extragalactic Distance Scale group, Prof. José Alejandro García-Varela, josegarc@uniandes.edu.co
- Observational Cosmology group, Prof. Jaime Forero-Romero, je.forero@uniandes.edu.co
- Astronomical Instrumentation group, Prof. Benjamín Oostra, boostra@uniandes.edu.co

About Universidad de los Andes: Universidad de los Andes is Colombia's leading private research university, consistently ranked #1 in Colombia and among the top 10 universities in Latin America according to QS World University Rankings. Located in the heart of Bogotá, Colombia's vibrant capital city at 2,640 meters above sea level, the university is renowned for its academic excellence, international collaborations, and strong research programs.