

# POSTDOCT POSITIONS AT ANDRES BELLO UNIVERSITY (UNAB) CHILE 2025

## 1. TIMELINE

- Application Start Date: November 26, 2024
- Application Deadline: January 22, 2025
- Evaluation Period: January-March 2025
- Publication of Results: April 2025
- Project Formalization: April 2025
- Start of Awarded Proposals: April 30, 2025

## 2. INSTITUTIONAL CONTEXT

The Andrés Bello University (UNAB) is a higher education institution established in 1988, accredited with Excellence by the National Accreditation Commission (CNA) for six years in Institutional Management, Undergraduate Teaching, Research, Community Engagement, and Postgraduate Teaching. It is also accredited by the Middle States Commission on Higher Education (MSCHE) for eight years (2020-2028). UNAB ranks first nationally in commitment to the SDGs according to the Times Higher Education University Impact Rankings (2024) and fifth nationally in the University Ranking by Academic Performance (URAP, 2024).

Our team belongs to UNAB's Center for Theoretical and Experimental Particle Physics (CTEPP). We have worked on experimental particle physics, participating in CERN experiments such as ATLAS, NA64, SND@LHC, and JUNO in China.

During the second half of 2024, our team joined the LHCb collaboration, planning to participate in:

- Upgrade 2 (SciFi): we plan to engage in the development of electronics and controls for the detector monitoring and safety systems (DSS), which includes cryo cooling, vacuum, and active heating elements. We will also participate in the development of the readout electronics.
- Physics: we plan to participate in the “rare decays” physics working group, specifically focusing on the “very rare decays”.

**Therefore, we are looking for candidates interested in participating in any of the above mentioned experiments.**

### **3. DURATION, RESIDENCY, AND COMMITMENT**

- 3.1 Projects will receive funding for up to two years, starting on April 30, 2025.
- 3.2 UNAB postdoctoral researchers must dedicate themselves exclusively to the project.
- 3.3 Projects must be conducted in Chile. Researchers, whether Chilean or foreign, must commit to residing in the country for the project's duration, staying for at least six months each calendar year. Greater international mobility is allowed only if justified as part of the project and with prior General Directorate of Research (DGI) approval.
- 3.4 Beneficiaries of this call must apply to the National Fund for Scientific and Technological Development (FONDECYT) Postdoctoral Competition 2026 administered by National Agency for Research and Development of Chile (ANID).

### **4. APPLICATION REQUIREMENTS**

- 4.1 Applicants must have obtained their doctoral degree between January 1, 2023, and the application deadline. In exceptional cases, such as researchers with certified disabilities or female researchers who had children during this period or have legal custody of minors, the eligibility period extends back to January 1, 2022, with an additional year granted per child.
- 4.2 To verify the doctoral degree, applicants must provide a copy of their doctoral diploma or a document certifying that all requirements for obtaining the degree have been fulfilled. If the document is in a language other than Spanish or English, a simple translation into one of these languages must be attached. Provisional documents must be dated from January 2023 onwards.
- 4.3 Projects must be submitted to the DGI by the Director of the UNAB Research Center or Institute. Additionally, the project must have a sponsoring UNAB researcher, who must be a regular UNAB academic and responsible for supervising the research. Each UNAB academic may sponsor a maximum of two projects in this call.
- 4.4 A UNAB Research Center or Institute may submit an application for an individual candidate or a team of postdoctoral researchers. In both cases, a general or individual integration plan must be submitted, aligned with the development plan of the respective Center or Institute. Priority will be given to proposals seeking to integrate a group of postdoctoral researchers into a UNAB Research Center or Institute.
- 4.5 Only scientific or technological research projects linked to a UNAB Research Center or Institute that generate new knowledge or applications in any field of study will be accepted. Projects related to artistic creation, catalog compilation, book printing, or similar activities will not be considered.

## 5. BENEFITS:

- Salary: Up to 34.000.000 CLP annually (this is 2400 USD/month approximately after taxes).
- Operating costs: Up to 6.000.000 CLP annually (6200 USD approx.), covering:
  1. Travel: Domestic and international travel expenses related to the project and result dissemination.
  2. General operating expenses:
    - Consumable materials and supplies, software, and necessary licenses.
    - Conference registration fees, research stays, and workshops.
    - Publication costs in indexed scientific journals.
    - Specialized consultancy and advisory services.
    - Transportation costs (fuel, tolls, etc.).
    - Result dissemination (posters, presentations, etc.).
    - Minor equipment purchases and maintenance.
    - Infrastructure or minor facility improvements.

## 6. RELEVANT DATES FOR PROJECT EXECUTION

6.1 The relevant dates are:

- Project Start Date: April 30, 2025
- Progress Report Submission Deadline: March 28, 2026
- Final Report Submission Deadline: March 28, 2027

6.2 These dates may be extended if the postdoctoral researcher secures Fondecyt Postdoctoral funding. In this case, annual progress reports must be submitted to the sponsoring researcher and the Director of the Research Center or Institute.

## 7. INQUIRIES

Inquiries must be sent to **jilberto.zamora@unab.cl** with the subject line:

“Inquiry: POSTDOC POSITION AT ANDRES BELLO UNIVERSITY (UNAB) CHILE 2025.”