



Department of Physics

Facultad de Ciencias

Universidad de Chile

fisica@uchile.cl

The Physics Department (at the Faculty of Sciences) of the University of Chile has opened 3 tenure-track academic positions. The applicants have to work in any of the following areas of physics: condensed matter and materials, quantum physics including theoretical chemical physics, complex systems and nonlinear physics, plasmas, space physics, optics, or any area of experimental physics. Please check the research areas cultivated in our Department:

<https://dfc.uchile.cl/inicio/academicos/>

- **FCS23-FIS01:** One position, for an experimentalist of any gender.
- **FCS23-FIS02:** One position, open to an experimentalist or theoretician of any gender.
- **FCS23-FIS04:** One position, exclusive for a female researcher, theoretician or experimentalist.

The academic rank (assistant, associate or full professor) of the selected applicants will be determined by an independent committee. The salary is determined by the academic rank.

This document is merely informative, the official call can be found (in spanish) in the link <https://ciencias.uchile.cl/noticias/203513/llamado-a-concurso-academico>.

Requisites

- A PhD in Physics or related areas (materials, chemistry).
- At least one year of postdoctoral experience.
- Proficiency in English language.
- Basic knowledge of Spanish (lectures are in Spanish) or the commitment to learn it.
- An R&D plan is mandatory. It won't be evaluated, but it is still required.

Postulation

The following documents are required to apply:

- a. A CV including participation in conferences and teaching experience.
- b. A cover letter (the main research area of the applicant must appear explicitly)
- c. Research plan (up to 3000 words)

- d. Two reports of publications, according to **Web of Science**:
 - i. All publications, citations, and h-index
 - ii. The citations, and research area of the publications with quartile Q1-Q2 (the best quartile can be considered)
- e. Evidence of participation in scientific meeting (e.g. certificate of participation)
- f. Two confidential recommendation letters, the code of this call (FCS23-FIS0X, with X=1,2,4, see the beginning of this document) and the name of the applicant has to be included. Must be sent directly to concursos.ciencias@u.uchile.cl
- g. Certificates of academic titles and degrees.
- h. Evidence of teaching experience (e.g. a contract, or a letter from a competent authority)
- i. A certificate of proficiency in English (see the FAQ for options)
- j. A certificate of proficiency in Spanish for non-native speakers (see the FAQ for options)
- k. It is recommendable to certify the postdoctoral experience (e.g. a letter, contract)
- l. An R&D plan stating potential activities and vinculation with industry (it won't be part of the evaluation, but is required anyway)
- m. A signed statement indicating the applicant has no legal problems related to these positions (details are specified in the full document of the calls, see above). The following text suffices: *'No estoy afecto a las inhabilidades y prohibiciones señaladas en las letras b) y c) del párrafo II "Requisitos Generales de Postulación".'* (essentially it declares: 'I am not banned or expelled from the Chilean public system')

All the documents must be sent to concursos.ciencias@u.uchile.cl

The deadline for the application is **May 9 2023**

Selection

The selection process includes four stages

Stage I

Any incomplete postulation will be discarded.

Stage II

The following factors will be evaluated according to the expected development of each applicant (i.e. teaching experience as a teacher assistant is good enough for a young researcher, but it could be insufficient for a seasoned applicant):

Item	Ponderation
a. Research Plan	20%
b. Publications / Patents / Other related aspects	40%
c. Grants	10%
d. Participation in conferences	5%

e. Exceptional prizes	4%
f. Undergraduate and graduate teaching experience	10%
g. Undergraduate experience in experimental physics	10%
h. Recommendation letters	1%

Any applicant scoring zero in: a, b, f, or h will be discarded immediately.

Stage III

A subset of the applicants will pass to a next round, which is a seminar -open to the Department- about the research of the applicant (25 minutes plus questions).

Stage IV

An interview, including a talk (20 minutes) about: (i) research proposal, (ii) teaching proposal/experience at under- and graduate levels, (iii) potential collaborations, at local, national and international level.

FAQ:

- I have questions or need advice, who should I contact?
It is recommended writing to both: concursos.ciencias@u.uchile.cl and fisica@uchile.cl
- There are two departments of Physics at the Universidad de Chile, which one is the correct one?
It could be confusing, both departments are mostly independent. The positions are at the Department of Physics at the Faculty of Sciences <http://ciencias.uchile.cl/>
The email of the Department is fisica@uchile.cl and the web site <https://dfc.uchile.cl/inicio/>
- How do I certify my proficiency in English?
You can choose among: (i) presenting a signed statement indicating your seminar will be in English; (ii) a certificate of residence in an English-speaking country (at least two years of residence), (iii) the official results of a test scoring level B2 or better.
- How do I certify my proficiency in Spanish?
Non-native speakers must certify with any document his/her proficiency. Also, a signed statement of the commitment to learn spanish within the first year of contract suffices.
- One of the calls also has 3 additional 'adjunct' positions, can I apply there?
Yes, but they are part-time teaching-only positions.
- Can I apply to more than one position?
Yes, but you need to explicitly apply for the different calls.
- What areas of physics are considered?
According to the Web of Science classification, the applicant must work in one of the following areas:
 - MATERIALS SCIENCE, MULTIDISCIPLINARY

- CHEMISTRY, PHYSICAL
- PHYSICS, APPLIED
- NANOSCIENCE & NANOTECHNOLOGY
- OPTICS
- PHYSICS, CONDENSED MATTER
- PHYSICS, ATOMIC, MOLECULAR & CHEMICAL
- PHYSICS, FLUIDS & PLASMAS