



**FACULTAD DE CIENCIAS BIOLÓGICAS
INSTITUTO DE INGENIERÍA MATEMÁTICA Y COMPUTACIONAL**

**CALL FOR APPLICATIONS FOR TWO
ACADEMIC POSITIONS FOR ASSISTANT OR ASSOCIATE PROFESSORS IN MATHEMATICAL BIOLOGY or
COMPUTATIONAL BIOLOGY**

The Faculty of Biological Sciences (FCB) at the Pontificia Universidad Católica de Chile invites interested candidates to apply for two tenure-track positions at the level of Assistant or Associate Professor. One of these positions will have a joint appointment with the Institute of Mathematics and Computational Engineering (IMC) being its primary affiliation. The applicants must demonstrate successful, independent and interdisciplinary research in **Mathematical Biology, Computational Biology** or related areas using mathematical tools and quantitative biology for modeling of biological systems and processes, analysis of dynamic systems, development of systems biology or the use of artificial intelligence in biology, among other areas. In addition, they will be expected to demonstrate their ability to teach undergraduate and graduate students in these areas, including the training of new scientists. Formal training in mathematics or computation is mandatory.

The Pontificia Universidad Católica de Chile usually ranks top three in the QS University Ranking for Latin America. The Faculty of Biological Sciences has 70 Professors at different stages of their academic careers and 1,000 undergraduate and graduate students. The University is committed to the provision of equal opportunities, the construction of a more inclusive, diverse, and fraternal community, and the promotion and development of the careers of all academic members.

The University and the Faculty of Biological Sciences are committed to the values of diversity regarding the origin, gender, and ethnicity to build a more diverse and inclusive community. In this context, women applications are especially encouraged.

RESPONSIBILITIES ASSOCIATED TO THE ACADEMIC POSITIONS:

1. To lead independent and internationally recognized research in the areas of this call.
2. To establish collaborations with researchers from other areas of the FCB and IMC, or other academic units within the University aiming to develop interdisciplinary research.
3. To teach undergraduate and graduate students through leading lectures or laboratory courses, collaborating in course design, and acting as a student advisor in research courses and theses. Undergraduate teaching will be focused on the initial levels of training for undergraduate students from Biochemistry, Biology, Marine Biology, and undergraduates from other programs at the University (i.e., health sciences, education, college, among others). The joint appointment should be able to teach undergraduate and graduate students at the IMC. Enrolling in the teaching certificate from the Centro de Desarrollo Docente is mandatory for all new Faculty.

4. To train future scientists by advising or mentoring undergraduate or graduate research students.
5. To obtain external research funding.
6. To participate in academic and administrative activities within the University.
7. To develop outreach activities with an impact on society and the general public.

APPLICATION REQUIREMENTS:

1. Hold a PhD degree in the areas indicated above and postdoctoral experience is highly recommended.
2. Ability to carry out independent research and to obtain funding for research.
3. Demonstrate capacity to teach at undergraduate and graduate levels.
4. For those applying to the Associate Professor level teaching experience or holding a teaching certificate need to be demonstrated.

SELECTION CRITERIA:

- Trajectory, leadership, and quality of scientific contributions.
- Experience in the proposed research area.
- Recommendation letters.
- Potential for academic progress and integration within the Faculty of Biological Sciences.
- Teaching experience
- In identical conditions, preference will be given to women scientists or applicants from underrepresented groups.

APPLICATION:

1. Fill the application form available [here](#)
2. Have an academic profile in the Web of science or *Google Scholar*
3. Request three confidential letters of recommendation that should be sent directly to secretaria.academica@bio.puc.cl
4. Copy of the PhD degree.

AVAILABILITY: March 2024.

APPLICATION SUBMISSION:

All information must be submitted to the Academic Secretary, Faculty of Biological Sciences, Pontificia Universidad Católica de Chile; e-mail: secretaria.academica@bio.puc.cl.

Deadline: **May 7, 2023, at 17:00 h (Santiago local time).**

For any questions please contact: Academic Secretary, Faculty of Biological Sciences, Pontificia Universidad Católica de Chile, telephone: (56-2)-23542733 e-mail: secretaria.academica@bio.puc.cl. web page: <http://www.bio.puc.cl>

Note for Foreigners applicants: Foreigner applicants not living in Chile will require a valid VISA in case of acceptance. This VISA should be obtained in the corresponding Consulate in each foreign country, and this will be required to be incorporated as academic staff.