

The Institute for Biological and Medical Engineering (IIBM) of the Schools of Engineering, Medicine and Biological Sciences ([iibm.uc.cl](http://iibm.uc.cl)) and the Department of Chemical and Bioprocess Engineering (DIQB) (<https://bit.ly/3QC2gT1>) of the School of Engineering of the Pontificia Universidad Católica de Chile invite applications for a tenure-track full-time faculty position in synthetic and systems biology. The objective of this call is to enhance the area of synthetic and systems biology in both units and the university. The position will have primary affiliation at IIBM and secondary affiliation at DIQB. The position requires a Ph.D. in bioengineering, biotechnology, systems biology, synthetic biology, or similar areas. Postdoctoral experience is highly desirable.

**Requirements:** The applicant should have an outstanding publication track record in the area, with the potential to obtain external research funds and develop high-quality teaching. Applicants should be proactive in pursuing independent research lines, able to work collaboratively and show evidence of interdisciplinary collaboration.

Research areas of interest may include for example the development of biosensors and biosystems with biomedical, food or environmental applications; rational drug design and rapid disease diagnosis; genome engineering with biomedical and industrial applications; the optimized biosynthesis of chemical molecules of industrial interest; multiomic and systems analysis in bioprocessing or biomedical research; as well as the engineering of microbial communities and the design and modeling of biological circuits. Preference will be given to applicants with background in biomedicine or bioprocessing.

The position will be part of an interdisciplinary environment, where he/she will be able to interact with academics in diverse research areas from chemical engineering, industrial, environmental and food biotechnology, to biomedical engineering, genetics and microbiology, among others.

The position will require undergraduate and graduate teaching. For example, the candidate could lead courses closely related to existing courses such as Synthetic Biology and Prototyping, Biological Engineering Design, Fundamentals of Biotechnology, or other bioengineering courses. The candidate is also expected to create and teach graduate courses in his/her area of expertise.

The major of Biological Engineering, within its minor in bioengineering, has a specialization in synthetic biology, which is of great interest to our students. The Institute of Biological and Medical Engineering and the Department of Chemical and Bioprocess Engineering include Synthetic Biology as one of their priority research areas.

#### Application instructions:

Candidates should submit the following documents to [BMEfacultypositions@uc.cl](mailto:BMEfacultypositions@uc.cl) (with the subject "Application") by May 20th, 2023. Late applications may be considered until the position is filled. Candidates to previous calls, please see note A.

1. Research statement (in English) indicating immediate and long term goals for your research plan. Detail potential collaboration networks with other researchers and plans for interactions with scientists in Chile and other countries.
2. Teaching statement (in English) indicating why you should be considered for the position and your plans for teaching. Be as specific as possible, e.g. giving examples of how you aim to transfer your knowledge to undergraduate and graduate students.
3. Up-to-date curriculum vitae in English – see note B.
4. Copies of your five most important WoS publications highlighting their contribution to science and engineering. Include a full list of articles you consider relevant in the context of your application.
5. In addition, candidates should arrange for three letters of recommendation to be emailed directly by the signatories to [BMEfacultypositions@uc.cl](mailto:BMEfacultypositions@uc.cl).

This position is available immediately. Please include in your application the earliest date at which you will be available.

Once the complete set of application materials has been received, the applicant will be contacted no later than the 15th of June and informed whether or not his/her application has been accepted for further consideration. If this initial screening is successful, the candidate will be asked to give a lecture on his/her current research topics and hold interviews with the Director of the Institute, the Deans and members of the Selection Committee.

Further information may be obtained by emailing the Director of the Institute, Dr. René Botnar ([rebotnar@uc.cl](mailto:rebotnar@uc.cl)), the Research subdirector, Dr. Mario Vera ([maverav@uc.cl](mailto:maverav@uc.cl)), program chair of the Biological Engineering program, Dr. Daniel Garrido ([dgarridoc@uc.cl](mailto:dgarridoc@uc.cl)) or the Administrative subdirector, Pilar Gonzalez ([pilar.gonzalez@uc.cl](mailto:pilar.gonzalez@uc.cl)).

**Note A:** Candidates who had participated in a previous call must inform the Selection Committee, through [BMEfacultypositions@uc.cl](mailto:BMEfacultypositions@uc.cl), their intention to participate in this call. The applicant will have the option to update the documentation, or may be requested to do so.

**Note B:** The CV must be organized along the following lines:

1. Personal background: name, address, contact telephone (with country and city codes), e-mail address, web page (if any)
2. Education: list of all degrees or professional titles obtained with granting institutions and dates.
3. Educational experience (university or institution, courses taught, years).
4. Professional experience (company, tasks, years)
5. Research
  - a. List of WoS journal publications including original work, editorials and review articles. Please avoid including other publications, such as non WoS journals, conference presentations and the like shown in 5.b. To see whether a journal is included in the Web of Science (WoS) catalogue, visit the following web site: [www.webofscience.com](http://www.webofscience.com)
  - b. List of other publications such as non WoS Journals, reports, books or book chapters, attended conferences, patents etc.
  - c. List of research grants including name of principal investigator and amount awarded.
  - d. Other: prizes and awards, computing abilities, languages, other background information that you consider relevant.

The Pontificia Universidad Católica de Chile is committed to equal opportunities, to the construction of an inclusive, diverse and fraternal community and to the promotion of the academic development of women and men

A person of foreign nationality and who applies from abroad, in case of being selected for the position, will be required to have the corresponding visa, obtained from the consulate in the country of origin, in order to be incorporated into the academic staff of the University.

Nuestras ofertas laborales <https://uccatolica.trabajando.cl>

Síguenos en nuestro grupo LinkedIn [trabajaenlauc](https://www.linkedin.com/company/trabajaenlauc)

Departamento Reclutamiento, Selección e Inclusión Laboral

Dirección de Personas