

BIOINFORMATICS AND COMPUTATIONAL BIOLOGY

The School of Engineering, the School of Medicine and the Faculty of Biological Sciences of the Pontificia Universidad Católica de Chile invite applications for a full-time faculty position in the area of **Bioinformatics and Computational Biology**. The candidate will join other full-time faculty and several part-time appointments in the recently established **Institute for Biological and Medical Engineering**, dedicated to research and teaching in the areas of Biomedical Imaging and Modelling, Bioinformatics, Systems Biology, Synthetic Biology, Biotechnology, Biomechanics and Biomaterials.

Duties: The duties associated with the position include creating a strong independent research program, teaching (at undergraduate and graduate levels), outreach and carrying out administrative tasks. Preference will be given to candidates conducting high impact research in one of the following fields: Proteomics, Comparative genomics, Systems biology, Functional genomics, Evolutionary genomics, Structural bioinformatics, Integrative biology using big data approaches, Bioinformatics platform development, Computational Biology algorithm development.

Requirements: Ph.D. in Bioinformatics or Computational Biology, or in a related discipline. Applicants should be proactive on pursuing independent research lines, able to work collaboratively, and show evidence of interdisciplinary collaboration. Candidates do not need to speak Spanish at the time of applying, but should be prepared to learn the language well enough to begin teaching in Spanish in the short term.

Applicants must demonstrate potential for excellence and a strong vocation for all aspects of academic life, be highly motivated to continuously improve their teaching skills, have a genuine interest in getting involved with our graduate programs (specially the doctoral program) and be able to develop and maintain an active research agenda. The position also includes the need to create new undergraduate and graduate courses and to support teaching of traditional courses in related areas.

Application instructions

Candidates should submit the following documents to BMEfacultypositions@uc.cl (with the subject "Bioinformatics and Computational Biology") by **November 15th, 2015**. Late applications may be considered until the positions are 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 of purpose (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 ISI 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.

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

Once the complete set of application materials has been received, the applicant will be contacted within two months 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 faculty members from the Selection Committee.

Further information may be obtained by emailing the Director of the Initiative for Biological and Medical Engineering, Dr. Pablo Irrázaval (pim@ing.puc.cl)

Note A:

Candidates who had participated in a previous call must inform the Selection Committee, through 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 as follows:

- i. Personal background: name, address, contact telephone (with country and city codes), email address, web page (if any).
- ii. Education: list of all degrees or professional titles obtained with granting institutions and dates, beginning with your secondary education degree.
- iii. Educational experience (university or institution, courses taught, years).
- iv. Professional experience (company, tasks, years).
- v. Research:
 - a. List of ISI journal publications. Please avoid including other publications, such as non ISI journals, conference presentations and the like shown in 5.b. To see whether a journal is included in the Information Sciences Institute (ISI) catalogue, visit the following web site: <http://www.isinet.com/cgi-bin/jrnlst/jloptions.cgi?PC=master>.
 - b. List of other publications such as non ISI Journals, reports, books or book chapters, attended conferences, research projects participated in, patents, etc.
 - c. Other: prizes and awards, computing abilities, languages, other background information that you consider relevant.