



DIRECTOR AT THE INSTITUTE FOR BIOENGINEERING OF CATALONIA (IBEC)

CALL FOR APPLICATIONS

The Institute for Bioengineering of Catalonia (IBEC) is an interdisciplinary research centre focused on bioengineering and nanomedicine, based in Barcelona. IBEC is a CERCA Research Institution supported by a consortium the University of Barcelona, the Technical University of Catalonia and the Government of Catalonia. CERCA is the public Catalan network of research Institutes.

IBEC's mission is devoted to cutting-edge research that, while creating knowledge, contributes to a better quality of life, improves health and creates wealth. The institute establishes close links with international research centres, universities, hospitals and industry to exchange talent and develop and execute projects. IBEC has 15 research groups and 250 researchers and staff from 20 different countries.

IBEC is organized into six research programmes:

- **Cellular Biotechnology:** Microbial biotechnology, health biotechnology, processes of production of biomolecules, neurobiotechnology, axonal regeneration, prion biology, regeneration of complex structures, biotechnology of cell reprogramming and directed differentiation of stem cells.
- **Biomechanics and cellular biophysics**
Mechanical properties at the cellular and molecular level, cellular biophysics.
- **Nanobiotechnology**
Nanostructures and surface functionalization, hybrid nanostructures, microfluidics, biosensors, bio-chips, lab-on-a-chip, microarrays and biomimetic systems, nanoscale bioelectricity; nanophotonics, single molecule fluorescence techniques, and superresolution optical nanoscopy.
- **Biomaterials, implants and tissue engineering**
Development of materials and structures for biocompatible replacement, tissue formation and technologies for repairing or replacing tissues and organs.
- **Medical signals and instrumentation**
Biomedical signal processing, control and monitoring systems for both treatment and prevention.
- **Robotics and biomedical imaging**
Support systems for minimally invasive surgery and surgical assistance. Obtaining and processing biomedical images at the level of organs, tissues and cells or biomolecules.



The location of IBEC in the Science Park of Barcelona offers a highly stimulating biomedical environment in which the institute can work closely with organisations from the public and private sector interested in the biomedical application of nanotechnology. IBEC manages the Nanotechnology Platform, which offers services in nanofabrication, nanomanipulation and nanocharacterization.

Candidate profile and contact information

IBEC is seeking applicants with a distinguished record of scientific excellence and the innovative thinking necessary to lead a dynamic organisation. He/She should have a PhD and experience managing international projects. Salary will be commensurate with experience. Some knowledge of the Spanish Scientific environment will be considered an added value.

Applicants should send a CV and a cover letter by e-mail to the Director of CERCA Institution at applications@cerca.cat. The appointment will be for a period of 4 years, which could be extended in agreement with the members of the consortium.

Job description

The director will have the following duties:

- Provide scientific vision and strategic goals for the IBEC.
- Submit the Centre's research activities programme and annual operational budget to the members of the Consortium.
- Represent the Centre at official and social events, in coordination with the President and other members of the Consortium.
- Keep the CERCA regularly informed of the Centre's progress.
- Any other functions approved by the Consortium.

The Director will be responsible for:

- Devising a strategic plan and monitoring its implementation.
- Presenting the Director's Report at meetings of the Consortium.
- Proposing to names of members of the Scientific Advisory Board (SAB) to the Consortium, keeping them informed about major changes, and organising their regular meetings.
- Participating in the periodic CERCA evaluation of IBEC.
- Coordinating periodic scientific assessments of IBEC's research programmes and core facilities, and implementing recommendations of the SAB.
- Supervising the implementation of financial aspects of the budget.
- Negotiating contracts for new group leaders or programme coordinators, whenever appropriate.
- Participating in strategic decision-making, such as in the case of strategic alliances with other research institutions, in line with IBEC's mission and background.



Selection of candidates

Suitable candidates will be identified in a ranked list by three members of the Scientific Advisory Board, drawing upon the input of any other expert that the SAB might require.

The Consortium will be responsible for the final steps of the selection process. The Consortium may create an *ad hoc* Commission involving some of its members in order to provide a short list of the pre-selected candidates. Candidates included in the short list may be invited to visit IBEC and meet the ad hoc Commission for a final interview. The results of these interviews would be presented to all members of the Consortium. The Consortium will designate the new Director.

Estimated Calendar

March 22 st	Call for applications opens
April 22 nd	Application deadline
April 30 th	List of prioritized candidates by SAB
May 3 rd	Short list of pre-selected candidates chosen by the ad hoc Commission
May 6 th	Appointment announced