

**IBEC (Institute for Bioengineering of Catalonia)** is an interdisciplinary research center focused on Bioengineering and Nanomedicine and one of the Severo Ochoa Excellence Centers. IBEC's **mission** is to develop international high quality interdisciplinary research that, while creating knowledge, contributes to making a better quality of life, improving health and creating wealth. A close link with key universities, reference hospitals and corporations, are assets that facilitate achieving the mission.

**IBEC was founded in 2005** by the Generalitat de Catalunya, the University of Barcelona (UB) and the Polytechnic University of Catalonia (UPC).

IBEC is located within the **Barcelona Science Park**, with premises of 2.500 square meters, 20 research groups and a team of researchers and support services of 250 people from 20 different countries. [www.ibecbarcelona.eu](http://www.ibecbarcelona.eu)



## Postdoctoral Position in Targeted Nanotherapeutics

The **Targeted Therapeutics and nanodevices** group, led by Dr. Silvia Muro at the **Institute for Bioengineering of Catalonia (IBEC)** is looking for **Postdoctoral** candidate to work on the design and implementation of strategies using biomaterials for applications in the context of tissue regeneration and drug delivery.

### Main tasks and responsibilities:

- To actively assist in and conduct research regarding fabrication of biomaterials, with particular interest in fiber networks and their modification to control loading and release of therapeutics (as free or nanocarrier-loaded forms), to guide tissue regeneration and/or to support in situ drug delivery. Research will encompass all analytical, cell culture, and small animal models
- Engage in research collaborations, recording and reporting process, project design and grant writing, as well as publications and other scientific communications derived from the work
- Contribute to common lab supporting tasks, including ordering of reagents, maintenance of equipment, training of new members, and general support to GL

### Requirements for candidates:

- PhD in Biomedical Engineering
- Previous experience in polymeric biomaterials, managing equipment and training lab personnel is preferred
- Experience in cell culture techniques, endothelial cells, immunofluorescence, confocal microscopy, and image processing software
- Excellent oral and written communication skills (including English), analytical and critical thinking, high ethics and integrity, must work well within a team and independently

### We Offer:

- A temporary contract with the opportunity for an extension for an additional year or a longer period of time)
- Stimulating, interdisciplinary and innovative research, and an enriching high-quality training experience
- An international scientific environment and the possibility for a collaborative short training in our sister lab in the University of Maryland (USA)



IBEC is committed to the principles of the Code of Conduct for the Recruitment of Researchers of the European Commission. Thus, there are no restrictions of citizenship or gender and candidates with disabilities are strongly encouraged to apply.

HR EXCELLENCE IN RESEARCH

Interested applicants should send their CV and cover letter to: [jobs@ibecbarcelona.eu](mailto:jobs@ibecbarcelona.eu), before **10/03/2018 (Reference: PD-SM)**.