

IBEC (Institute for Bioengineering of Catalonia) is an interdisciplinary research center focused on Bioengineering and Nanomedicine based in Barcelona. 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, 16 research groups and a team of researchers and support services of 250 people from 20 different countries. [www.ibecbarcelona.eu](http://www.ibecbarcelona.eu)



## Marie Curie Postdoc Position in Imaging of Nanomaterials for Drug Delivery (Ref. MC-LA)

The **Nanoscopy for Nanomedicine** group at the **Institute for Bioengineering of Catalonia (IBEC)** is looking for **Postdoctoral candidates** to apply for the **2016 calls** of the **European Commission Marie Curie Individual fellowship**.

### Tasks and responsibilities:

- Synthesis of novel self-assembled nanomaterials (nanoparticles and nanofibers) for medical applications.
- Imaging with super resolution microscopy material-cell interactions.
- Develop applications in the field of drug delivery for cancer therapy.

### Requirements for candidates:

- PhD Degree in Chemistry, Material Science, Biophysics or Biomedical Engineering
- Experience in one or more of the following Fields:
  - Synthesis and formulation of nanomaterials
  - Optical microscopy
  - Cell culture and cancer models
- Self-critical, capacity to learn and bring knowledge.
- High motivation and ability to be involved in an international multidisciplinary team.
- Excellent team working and communication skills.
- **Transnational Mobility Requirement: researchers must not have resided or carried out their main activity (work, studies, etc.) in Spain for more than 12 months in the 3 years immediately prior to the call deadline (14/09/2016).**

### Selected references:

- Multicomponent Supramolecular Polymers as a Modular Platform for Intracellular Delivery, **ACS Nano**, 2016, 10 (2), 1845–1852
- Super Resolution Imaging of Nanoparticles Cellular Uptake and Trafficking, **ACS Appl. Mater. Interfaces**, 2016, 8 (10), pp 6391–6399
- Probing exchange pathways in one-dimensional aggregates using super resolution microscopy, **Science**, 2014, 344(6183): 491-5



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.