

**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, 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)



## Marie Skłodowska-Curie Early Stage Researcher (PhD student) on super-resolution imaging of bio-orthogonal catalytic nanoparticles

The **Nanoscopy for Nanomedicine Group** at the Institute for Bioengineering of Catalonia (IBEC) is looking for an Early Stage Researcher (PhD student) to develop his PhD thesis project on the super-resolution imaging of bio-orthogonal catalytic nanoparticles. The contract will be within the framework of the **THERACAT Marie Skłodowska-Curie European Training Network (H2020-MSCA-ITN-2017, Project 765497)**, whose objective is to train a new generation of early stage researchers on new catalysis-based cancer therapies.

### The successful candidate will develop research involving:

- Functionalization and labeling of nanoparticles
- Study NP localization and function in vitro and in cells using super resolution microscopy
- biological evaluation in cancer models

### Requirements for candidates:

- Degree and Master on any field on chemistry, biomedical engineering, biotechnology or similar
- Multidisciplinary attitude
- Expertise with cell culture and/or fluorescence microscopy
- Experience with super resolution imaging will be an asset
- Self-critical, capacity to learn and bring knowledge
- High level of English

### Marie-Curie fellowship Mobility requirement:

-At the time of recruitment by IBEC, candidates must not have resided or carried out their main activity (work or studies) in Spain for more than 12 months in the 3 years immediately prior to their recruitment

### We Offer:

- Full time 3 year contract. Very competitive salary. Estimated starting date: October 2018
- Stimulating, interdisciplinary research and high quality international scientific environment

### Selected references:

- J Am Chem Soc 2018, 140(9):3423
- Science 2014, 344(6183):491



HR EXCELLENCE IN RESEARCH

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.

Interested applicants should send their CV, cover letter and references to: [jobs@ibecbarcelona.eu](mailto:jobs@ibecbarcelona.eu) by 20/07/2018 (Reference: MC-LA).