

Marie Curie Postdoc Position in 3D printing (Ref. MC-EE)

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



The **Biomaterials for Regenerative Therapies'** 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:

- Biomaterials development.
- New bioinks.
- Develop a new machine for 3D printing.
- Biomaterials characterization.
- Writing of papers and projects.

Requirements for candidates:

- PhD Degree in Bioengineering, engineering, materials science.
- Expertise in Biomaterials synthesis such as polymers and hydrogels.
- Expertise on biology and cell culture techniques will be valuable.
- Self-critical, capacity to learn and bring knowledge.
- High level of English.
- 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:

- Biofabrication of tissue constructs by 3D bioprinting of cell-laden microcarriers. Levato R, Visser J, Planell JA, Engel E, Malda J, Mateos-Timoneda MA. Biofabrication. 2014 Hierarchically engineered fibrous scaffolds for bone regeneration. Sachot N, Castaño O, Mateos-Timoneda MA, Engel E, Planell JA. J R Soc Interface. 2013
- 3D printed PLA-based scaffolds: a versatile tool in regenerative medicine. Serra T, Mateos-Timoneda MA, Planell JA, Navarro M. Organogenesis. 2013.