

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, 16 research groups and a team of researchers and support services of 250 people from 20 different countries. www.ibecbarcelona.eu



Marie Curie Postdoc Position in Kidney organoids for disease modeling (Ref. MC-NM)

The **Pluripotent stem cells and activation of endogenous tissue programs for organ regeneration (PR Lab)** group at the **Institute for Bioengineering of Catalonia** is looking for **Postdoctoral candidates** to apply for the **2016 calls** of the **European Commission Marie Curie Individual fellowship**.

Tasks and responsibilities:

- Generate reporter cell lines with latest genome editing techniques for the study of the cellular and epigenetic processes governing pluripotency and kidney differentiation.
- Develop massive approaches for kidney disease modeling making use of kidney organoids combining different disciplines such as 3D bioprinting, de/recellularization of human kidney scaffolds.

Requirements for candidates:

- PhD Degree in Pluripotent stem cells biology, genome engineering, kidney development
- Previous experience on Molecular Biology and Cell culture are mandatory
- Abilities and skills required:
 - High level of English and good communication skills.
 - 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:

- Garreta et al., (2016) Biomaterials, 98:64-78. doi: 10.1016
- Montserrat N et al., (2016) FEBS J, doi: 10.1111/febs.13704
- Aguirre A* Montserrat N* et al., (2014) Cell Stem Cell 15, 589–604 (*sharing first co-authorship)
- Montserrat et al., (2013) Cell Stem Cell 13(3): 341-50.