

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



PhD Position in Developmental neurobiology and regeneration (Ref. FPU-JR)

The [Molecular and Cellular Neurobiotechnology](#) group at the **Institute for Bioengineering of Catalonia (IBEC)** is looking for **Pre-doctorate candidates** to apply for the **2015 call** of the *Formación de Profesorado Universitario Fellowships (FPU 2015)* from the *Ministerio de Educación, Cultura y Deporte (MECD)*.

Tasks and responsibilities:

Candidates will be involved in one of the following 3 projects:

- Study of the role of new discovered axonal guidance cues during cortical development.
- Understand the role of secreted semaphoring and plexins in neural stem cell biology.
- Understand the epigenetic cues participating in axon regeneration in injured spinal cord.

Requirements for candidates:

- BSc and/or MSc Degree in Biology, Biomedicine, Biotechnology, Bioengineering.
- Previous experience on Molecular Biology and Cell culture are highly recommended.
- High level of English and good communication skills.
- Self-critical, capacity to learn and bring knowledge.

Selected references:

- Carulla et al., (2015) *Sci Rep* 2015 Jul 9;5:11971. doi: 10.1038/srep11971.
- Bribian et al., *Nat Commun.* 2014 Jun 27;5:4265. doi: 10.1038/ncomms5265.
- Reginensi et al., *Cell Mol Life Sci.* 2015 Jul;72(14):2719-37.
- Gil et al., *Front Neuroanat.* 2014 May 27;8:32.