

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)



## Postdoc Position in Bacterial virulence and New Strategies to Combat Bacterial Infections (Ref. JDC-ET)

The **Bacterial Infections and antimicrobial therapy** group at the **Institute for Bioengineering of Catalonia (IBEC)** is looking for **postdoctoral candidates** to apply for the **2015 calls** of the Spanish Ministry of Economy and Competitiveness **Juan de la Cierva**.

### Tasks and responsibilities:

- Development of multidisciplinary research on mechanisms to combat bacterial infections from different perspective (antibacterial molecular screening, bacterial biofilms, use of nanoparticles, bacterial transcription and gene regulation, etc.).

### Requirements for candidates:

- PhD Degree in life sciences (Biology, pharmacy, biotechnology, biochemistry).
- Ability to maintain accurate and up to date records.
- Ability to organize and prioritize own work and research project within the project schedule.
- Molecular biology and microbiology skills will be plus.
- Self-critical, capacity to learn and bring knowledge.
- High level of English (Spanish and/or Catalan will be a value).
- High motivation and ability to be involved in an international multidisciplinary team.
- Excellent team working and communication skills

### Selected references ([orcid.org/0000-0002-3010-1609](https://orcid.org/0000-0002-3010-1609)):

- Baelo, A. *et al.* (2015). *Journal Controlled Release*. 209:150-159.
- Julián, E. *et al.* (2015). *Plos One* 19(3):e0122049.
- Crespo, A. *et al.* (2015). *Plos One* 19(4):e0123571.
- Dreux, N. *et al.* (2015). *Infection and Immunity* 83:1305-1317.
- Torrents, E. (2014). *Frontiers in Cellular and Infection Microbiology* 4:52.
- Cendra, MM *et al.* (2012). *PLoS One* 7(9):e46350.
- Sjöberg, BM and Torrents, E. (2011). *Infection and Immunity* 79:2663-2669.

