

INPhINIT

"la Caixa" Fellowship Programme

Many people form part of history.

Only a few manage to change it.

IBEC participates in
"la Caixa" Fellowship Programme with
a set of **stimulating PhD projects** and
excellent research groups
to host the fellows



Bacterial infections: antimicrobial therapies group

Group leader: Eduard Torrents

New strategies to combat bacterial infections

Disease-causing bacteria that resist antibiotic treatment are now widespread in every part of the world and have reached "alarming levels" in many areas as stated by the World Health Organization. Nowadays, bacterial biofilm-based infections have emerged as a major public health concern.

Recent publications:

- Crespo, A. et al. (2016). *Frontiers in Microbiology*. 7:688.
- Noguera-Otega, E. (2016). *Scientific reports*. In press.
- 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.

See additional information on:

<https://sites.google.com/site/eduardtorrentswebpage>

<http://www.ibecbarcelona.eu/bactinf>

Job position description

The main tasks and responsibilities of the PhD student will be the development of multidisciplinary research on new therapeutic strategies to treat bacterial chronic infections from different perspective (microbiological, nanomedicine, new drug delivery systems, basic research, etc).