



## LA CAIXA DOCTORAL PROGRAMME 2018 CALL

### RESEARCH GROUP:

**Nanobiotechnology for Diagnostics (Nb4D) group**

<http://www.iqac.csic.es/nb4d/>

### IQAC-CSIC/CIBER-BBN

Jordi Girona, 18-26

08034-Barcelona

**PROJECT: Quorum Sensing molecules as Target for Diagnosis and Therapy**

### OFFER:

We offer the possibility to perform a PhD in a dynamic research group to obtain a multidisciplinary formation in the chemistry and biomedicine fields. The selected researcher will form part of a research line that is focused on studying new approaches for the diagnosis and the treatment of infectious diseases.

The incorporation will be through the “La Caixa” Doctoral Programme that gives predoctoral fellowships under competitive basis for the formation of doctors. For information about the requirements and procedures, please visit Obra Social “La Caixa” web page:

<https://obrasociallacaixa.org/el/investigacion-y-becas/programa-de-becas-de-posgrado/doctorado-en-universidades-espanolas/descripcion-del-programa>

The grants of this programme have duration of three years and include payment for the salary, that includes the possibility to perform stays in other R&D centres and to attend specific scientific meetings.

### AGREEMENT AND RESPONSABILITIES:

The researcher that joins the group will have to understand the fundamentals and operation of the *quorum sensing* in bacterial species of great relevance in the clinical field, such as *Staphylococcus aureus* and *Pseudomonas aeruginosa*, and use this knowledge to achieve the objectives raised in this project. The researcher will be supported by the investigative team but must also take responsibility for everything that this research may entail.

It is expected that the candidate will be motivated and will collaborate actively in the preparation of reports related to the research, the elaboration of articles to be published in internationally renowned scientific journals and the preparation of documents related to intellectual property protection, if necessary. Also, it is expected collaboration in the

maintenance of the lab and the common tasks contributing to a good atmosphere of the whole research team.

**CANDIDATE PROFILE:**

- Dynamic person with great ability for communication and interaction with other members of the investigation team. Positive attitude to overcome possible difficulties or obstacles.
- Spanish nationality

**FORMATION**

- Degree in Chemistry or Pharmacy or Biotechnology
- Experience in Organic Chemistry and/or experience in Immunoassays (Antibody production, development of immunoassays...) and/or expertise in Microbiology
- Certified knowledge of English language (First Certificate, Advanced, Proficiency, TOEFEL...)

**SEND APPLICATIONS ACCORDING TO THE INSTRUCTIONS OF THE CALL. Additionally, please send your *curriculum vitae* and contact details of possible references to:**

Dr. Miriam Corredor  
[miriam.corredor@iqac.csic.es](mailto:miriam.corredor@iqac.csic.es)

Please indicate “*La Caixa*” Doctoral programme in the subject of the email.