



## POSTDOCTORAL position in the laboratory of INTRACELLULAR BACTERIAL PATHOGENS

Our laboratory seeks a POSTDOCTORAL candidate to apply for a contract under:

**“The Juan de la Cierva Program”** access to the call:

<https://www.aei.gob.es/convocatorias/buscador-convocatorias/ayudas-contratos-juan-cierva-2022>

To study

### **“The evolution of the bacterial cell wall: a study designed in the uncultivated microbiome”**

- **Lab website:**
- <https://www.cnb.csic.es/index.php/en/research/research-departments/microbial-biotechnology/laboratory-of-intracellular-bacterial-pathogens>
- **Publications (source PUBMED):**
- <https://www.ncbi.nlm.nih.gov/pubmed/?term=garcia-del+portillo>

#### **Qualification and experience expected for candidates:**

- Highly motivated to identify evolutionary clues of how proteins involved in cell wall metabolism have fixed differentially in pathogens such as *Salmonella* and in ancestral bacteria.
- Organization and communication skills. Scientific writing abilities
- Able to work independently and as team member.

#### **We offer:**

- An enthusiastic team determined to unravel how some pathogens evolved to survive and proliferate within eukaryotic cells, how they use their morphogenetic programs in the host and to get insights into the origin of the bacterial cell wall.
- The laboratory of Intracellular Bacterial Pathogens is in the National Center of Biotechnology (CNB), which provides a dynamic research environment with internationally recognized expertise in Life Sciences: <https://www.cnb.csic.es/index.php/en/>
- Collaborations at the European level with leader groups located in the Institute Pasteur (Paris, France), University of Osnabrück (Germany) and University of Umea (Sweden).
- Collaborations in the Iberoamerican area with groups involved in *Salmonella* research (México, Argentina, Uruguay, Perú and Bolivia).
- Training in molecular biology, cell biology, microbial genetics, work with infectious agents and bioinformatics.

Candidates should send **CV, motivation letter** and **two references**.

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**DEADLINE FOR APPLICATIONS:** **February 1<sup>st</sup>, 2023.**