Our laboratory seeks a candidate to perform a DOCTORAL THESIS under the call:

“Contratos de formación de personal investigador ofertados por la Comunidad de Madrid” (to be published shortly)


To study

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

Lab website:

Publications (source PUBMED):

Qualification and experience expected for candidates:
- Master studies in current 2022-2023 course.
- Academic record with average ≥ 8.5.
- Highly motivated to identify evolutionary clues of how proteins involved in cell wall metabolism have fixed differentially in pathogens as *Salmonella* and in ancestral bacteria.
- Organization and communication skills. Scientific writing abilities

We offer:
- **Doctorate with European mention** meaning a minimum of 3 months in institutions abroad.
- An enthusiastic team determined to unravel how certain bacterial pathogens have evolved to survive and proliferate within eukaryotic cells.
- 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, academic record, and motivation letter**

**Contact:** Francisco García del Portillo. E-mail: fgportillo@cnb.csic.es

**DEADLINE FOR APPLICATIONS:** **January 13, 2023**