

## **MAGNETO-NH: Multiplexed determination of pathogenic bacteria in sepsis by novel immunoassay.**

**ADRESSED PATHOLOGY: Infectious diseases.**

### **GENERAL OBJECTIVES:**

The project aims to monitor the presence of pathogenic bacteria in a sepsis scenario by measuring quorum sensing molecules produced during the growing phase of the bacteria. To achieve this goal, the project will focus on: i) the development of novel immunochemical techniques ii) design and production of new antibodies against quorum sensing molecules of specific bacteria and iii) validation of both, immunochemical techniques and the new antibodies in order to obtain a reliable, accurate and robust technique.

### **PARTICIPANTS:**

- **J. Pablo Salvador/M.-Pilar Marco. Nb4D group. IQAC-CSIC.**
- Jesus Santamaría. Nanoscience Institute of Aragon. University of Zaragoza.
- Fernando Albericio/Miriam Royo. University of Barcelona. Scientific Park of Barcelona.

### **CLINICAL GROUP:**

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