

We are looking for motivated candidates to develop a PhD in medicine or microbiology in the framework of the **"Inphinit Fellowship call (La Caixa)"**

## Parc Taulí Research and Innovation Institute (I3PT):

Parc Taulí Research and Innovation Institute belongs to the Carlos III Health Institute network of Spanish excellence research institutions. In order to ensure and stimulate high quality research studies, we want to **enrol talented researchers in our top research groups**.

## The Bacterial Blood Pathogens group:

Our group investigates different aspects related to the **management of difficult-to-treat bacterial infections** such as infective endocarditis or bloodstream infections from a broad perspective, including: (i) the development of improved antibiotic therapies using static and dynamic models, (ii) the identification of bacterial genetic markers to predict complicated infections using genomics, transcriptomics and *in vivo* models, (iii) the development of novel approaches to expedite the diagnostic in clinical practice, (iv) the development of innovative strategies to prevent infections associated with medical devices such as catheters, prosthesis or pacemakers.

The pre-doctoral student will engage in the following cutting-edge studies, which will be developed in collaboration with other research partners:

- **Prototyping a fast diagnostic kit for bacterial resistances** – AGAUR Product Grant (150.000€)

Goal: To develop and test an innovative technology to identify bacterial pathogens and resistance genes from direct blood samples.

Partner Institutions: INC-UAB (A. Quintana) and other international partners.

- **Preventing infections of cardiac implantable electronic devices through a bimodal coating using thermally smart hydrogels with antimicrobial agents** – La Marató de TV3 (399.055€)

Goal: To develop and test an innovative technology to prevent infections associated with the implantation of pacemakers.

Partner Institutions: IDIBAPS (JM Miró), ICMAB (N. Ventosa) and IRTA (A. Arís).

## Inphinit Fellowship call (La Caixa):

With our support, the selected candidates will apply for an **Inphinit pre-doctoral fellowship**, either in the **incoming or retaining modality**. In both cases:

- The fellowship has a maximum **duration of four years** and includes **€35,800 per year** to cover the fellow's labour costs.
- **€3,500 per year for research costs** such as conferences, courses, research stays, consumables, equipment, charges for the use of intellectual property, etc.

The tuition fees to the official doctoral programme where the fellow will be admitted to.

## Fellowship Requirements:

- **Nationality:** Young researchers of any nationality are eligible to apply.
- **Studies pursued:** Applicants must hold a **higher education degree** that makes them eligible to enrol in a doctoral programme before starting at their host institutions. **Candidates must not have been enrolled in a doctoral programme prior to the start of the fellowship.**
- **Language proficiency:** Applicants must accredit their proficiency in English (check call)
- **Research experience:** On the deadline for applications, applicants must still **be within the first four years** (full-time equivalent research experience) **of their research careers.**
- **Mobility:**
  - (!) **Retaining modality** ↗. Candidates must have resided or carried out their main activity (work, studies, etc.) in the country of destination (Spain/Portugal) for more than twelve months in the three years immediately prior to the deadline for applications.
  - (!) **Incoming modality** ↗. Candidates cannot have resided or carried out their main activity (work, studies, etc.) in the country of destination (Spain/Portugal) for more than twelve months in the three years immediately prior to the deadline for applications.

## Group Selection criteria:

Candidates will be short-listed based on the following aspects:

- Previous experience related to the proposed projects
- Participation in research projects
- Contribution to research manuscripts
- Recommendation letters

## Key dates

La Caixa deadlines:

(!) **Retaining modality** : 15 February 2024, at 2 pm Peninsular Spain

(!) **Incoming modality** : 24 January 2024

I3PT deadline:

8 January 2024.

## Application process

Applicants will have to register by sending an email to [personali3pt@tauli.cat](mailto:personali3pt@tauli.cat) where they will include their resume in PDF format and the signed data protection appendix.

For any suggestions or doubts, you can contact: [personali3pt@tauli.cat](mailto:personali3pt@tauli.cat)