

Company Description

NanoGUNE is a Research Center devoted to conducting world-class nanoscience research for a competitive growth of the Basque Country and is member of the Basque Research and Technology Alliance (BRTA) and is recognized by the Spanish Research Agency as a Maria de Maeztu Unit of Excellence.

Information

 **Deadline:** 2024-02-16
 **Category:** Business
 **Province:** Gipuzkoa

 **Country:** Basque Country
 **City:** Donostia

Company

CIC nanoGUNE



Main functions, requisites & benefits

Main functions

The aim of the project is the fabrication of micro- and nanocarriers for biomolecules and single cells able to navigate in biological-relevant media, development of in-vivo mimicking microfluidic devices to optimize their performance, implementing them in small animal models, supporting PhD students supervision and proposal writing. The position is expected to start in 01/04/2024 and for a total length of up to 12 months (01/04/2024 - 31/03/2025) in the Nanomedicine Group, led by Mariana Medina-Sanchez (m.medina@nanogune.eu). More information can be found at: <https://www.nanogune.eu/en/research/groups/nanomedicine>

Requisites

The successful candidate will have: a scientific university degree in biomedical engineering, biotechnology, or nanomedicine, accompanied by a doctorate in natural sciences or related disciplines, is required. The ideal candidate should possess expertise in medical microrobotics, particularly in the context of gynecological healthcare. Additionally, proficiency in clean-room processes, including soft lithography, two-photon lithography, and microfluidics, is desirable. Excellent written and spoken English skills are essential, along with a proactive and enthusiastic approach to scientific endeavors. Candidates should also demonstrate a keen interest in biomedical applications and their translation to in vivo models. Additionally, the candidate should demonstrate experience in the following skills: Experience on microfabrication by 2D and 3D lithography; Cell culture training; Experience with different characterization techniques like confocal microscopy, AFM, SEM; Knowledge on surface biofunctionalization. Others (not necessarily required but are a plus): experience in working with gametes, assisted reproduction or gynecological healthcare.

Benefits

We promote teamwork in a diverse and inclusive environment and welcome all kinds of applicants regardless of age, disability, gender, nationality, race, religion, or sexual orientation.

