

Company Description

NanoGUNE is a Research Center devoted to conducting world-class nanoscience research for a competitive growth of the Basque Country. NanoGUNE is a member of the Basque Research and Technology Alliance (BRTA) and is recognized by the Spanish Research Agency as a María de Maeztu Unit of Excellence. The position is offered in the Nanobiosystems Group, led by Mariana Medina Sánchez m.medina@nanogune.eu. The Nanobiosystems Group is focused on nanobiomedical engineering; more information can be found at <https://www.nanogune.eu/en/re>

Information

 Deadline: 2024-10-19
 Category: Academia
 Province: Gipuzkoa

 Country: Basque Country
 City: Donostia-San Sebastián

Company

CIC nanoGUNE



Main functions, requisites & benefits

Main functions

We are actively searching for a highly motivated Post Doctoral Researcher to contribute to groundbreaking work in the field of medical microrobotics, specifically focusing on applications for targeted drug delivery in gynecological healthcare. The candidate will join a research line focusing on encompasses both in vitro and in vivo settings, providing a comprehensive exploration of innovative solutions in this critical domain. Tasks to be carried out: To fabricate micro- and nanodevices 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.

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. The ideal candidate should possess expertise in medical microrobotics, particularly in the context of gynecological healthcare. 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: Animal Handling; Surface Biofunctionalization; Micro- and Nanofabrication; Magnetic Microrobotics; Python Programming.

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. The position is expected to start in 01/07/2025 and for a total length of up to 12 months (01/07/2025 - 30/06/2026) in the Nanobiosystems Group.