The Nanoscience Cooperative Research Center, CIC nanoGUNE, located in Donostia / San Sebastian, Basque Country (Spain), is currently looking for a

Post Doctoral Researcher

to work on

fabrication of micro- and nanocarriers for targeted tailored delivery

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 **project's objective** is to design soft and biocompatible micro-nanocarriers tailored for the targeted delivery of therapeutics, with the ultimate goal of translating these advancements to small animal models.
The **position** is offered 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.

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 **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 necessarly required but are a plus): experience in working with gametes, assisted reproduction or gynecological healthcare

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 01/04/2024** and for a total **length of up to 12 months** (01/04/2024 - 31/03/2025) in the Nanomedice Group.

Candidates should **apply** by completing the **form below** and attaching the following documents:
- A complete CV
- A cover letter and at least two reference letters grouped in a **single PDF file**

The **deadline** for applications is **16/02/2024**.

NOTES:
(i) All applicants will receive an answer after the end of the selection process; but please note that due to the large number of submissions that are expected, we cannot provide individual feedback.
(ii) Additional information about nanoGUNE's commitment towards HR excellence in Research and Gender Equality are available on our website.
(iii) We encourage you to subscribe to our HR mailing list to receive information related to nanoGUNE's open positions and open calls for different training and talent attraction programs.