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

MASTER STUDENT

to work on

Quantum computing with spins in silicon

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** will focus on developing scalable quantum computing hardware based on silicon transistors to solve some of society's most pressing computational challenges. Silicon-based approaches to quantum information processing offer advantages for scaling such as high qubit density, record qubit coherence lifetimes for the solid state, and the ability to leverage the advanced nanofabrication methods of the semiconductor industry.

The selected candidate will join the **Quantum Hardware group** lead by **Prof. M. Fernando Gonzalez-Zalba**, a multidisciplinary and dynamic research team passionate about building a scalable quantum computer based on silicon technology.

More information can be found at: https://www.nanogune.eu/en/research/groups/quantum-hardware

Candidates should **apply** by completing the **form below** and attaching the following documents:

a. A complete CV and academic record

b. A cover letter

The **deadline** for applications is **13/03/2025**.

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.