

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

MAGNETIC AND OPTICAL PROPERTIES OF ATOMICALLY PRECISE CARBON NANOSTRUCTURES

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 aim of the **project** is to combine scanning tunneling microscopy (STM) and atomic force microscopy (AFM) at low temperature with on-surface synthesis techniques to synthesize custom designed carbon nanostructures. Upon verifying their atomically precise structure by high-resolution AFM, their magnetic and optical properties will be studied by scanning tunneling spectroscopy and STM-induced electroluminescence.

The position is offered in the **Quantum-Probe Microscopy Group**, led by **Nacho Pascual** (ji.pascual@nanogune.eu). More information can be found at <https://www.nanogune.eu/en/research>. The student will be supervised by **Fabian Schulz** (f.schulz@nanogune.eu).

The position is expected to start in **01/09/2025** and for a total length of up to **10 months** (01/09/2025 - 30/06/2026).

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

- a. A complete CV
- b. Academic Record and Cover Letter grouped in a single PDF file

The **deadline** for applications is **22/06/2025**.

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.