

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
Correlated phenomena of single molecular magnets on superconducting substrates

NanoGUNE is a research center devoted to conducting world-class nanoscience research for the 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 Nanoimaging Group, led by Pascual, Nacho (ji.pascual@nanogune.eu). The goal of our research is to elucidate the laws of magnetism, optics, and electronics at the scale of atoms and molecules. We use low-temperature Scanning-Probe Microscopy to study the basic quantum phenomena behind the macroscopic behavior of matter and to manipulate their basic atomic components..

The candidate will join a **research line** focusing on molecular physics, nanoscale optoelectronics, superconductivity in low dimensions as well as the image gallery. More information can be found at <https://www.nanogune.eu/nanoimaging>.

The aim of the **project** is to the detection of anybody spin states of molecular magnets on superconducting substrates and manipulation their spin state with various scanning tunneling spectroscopy methods available in our group.

The successful **candidate** will have a Doctor in Physics or related natural sciences. Experience in Surface Science and sample preparation.

Additionally, the candidate should demonstrate experience in the following skills:

- Surface science tools and method

Although not compulsory, the following points will be considered:

- Good hands-on coordinating people, writing skills, and availability to start before the end of June.

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

The position is expected to start in 01/05/2023 and for a total length of up to 24 months (01/05/2023 - 30/04/2025) in the Nanoimaging Group. The contract will be funded by the IKUR program of the Basque government.

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

- a. A complete CV
- b. A cover letter

The **deadline** for applications is **16/03/2023**.

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.*

