

The Nanoscience Cooperative Research Center **CIC nanoGUNE**, created with the mission of conducting world-class nanoscience research for the competitive growth of the Basque Country, member of the Basque Research and Technology Alliance ([BRTA](#)), and recognized by the Spanish Research Agency as a "Maria de Maeztu" Excellence Unit (2022 - 2025), is currently looking for

## POSTDOCTORAL RESEARCHERS

to work each in one of the following interdisciplinary **research topics**:

1. Molecular engineering of 2D Materials
2. Novel graphene nanostructures
3. Metal-surface functionalization by picosecond laser
4. Graded magnetic thin films
5. Spin pumping in 2D and topological materials
6. Phononic strong coupling devices
7. Atomic-scale study of optical excitations of collective states in 2D materials and their interplay with molecular phenomenology
8. Lab on Tip
9. Development of novel magnetic nanoparticles for single-cell manipulation by magnetic tweezers
10. Magneto-ellipsometry for spintronic devices
11. Enhancement of polymeric fibers
12. Infrared nanoimaging (s-SNOM) for biological and biomedical applications

**We offer** an international and competitive environment, a state-of-the-art infrastructure, and the possibility to perform research at the highest level. Also, 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 **positions** are expected to start on 01/01/2022 and for a total length of up to 36 months (01/01/2022 - 31/12/2024). In the first instance, the contract will be funded by grant CEX2020-001038-M of the "Maria de Maeztu" 2020 call of the Spanish National Research Agency.

Candidates should **apply** by completing the form below and attaching the following documents (grouped in a single PDF file):

- A complete CV
- Cover letter
- At least one reference letter

The **deadline** for applications is **06/12/2021**.

The **selection process** will be assessed by external evaluators.

**NOTES:**

*(i) The deadline for applications is 6 December 2021.*

*(ii) Applications that do not follow the instructions indicated above will not be further considered.*

*(iii) The selection process will be assessed by external evaluators*

*(iv) All applicants will receive an answer after the end of the selection process; but please note that due to the large number of expected submissions individual feedback cannot be provided.*

*(v) Additional information about nanoGUNE's commitment towards HR excellence in Research and Gender Equality are available on our website.*

*(vi) 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.*