

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

Nanomaterials for DNA Digital Data Storage

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.

We are pleased to offer a postdoctoral position in the field of DNA digital data storage in the Self-Assembly group at CiC Nanogune. This project is **funded by the European Innovation Council** and is at the forefront of exploring the intersection of molecular biology, information technology, and nanotechnology. The selected candidate will join a dynamic research team dedicated to advancing DNA-based digital memory technologies in collaboration with the company **Eurofins**.

Key responsibilities

- Plan and conduct research focused on the encoding, storage, retrieval, and decoding of digital data in DNA.
- Contribute to designing and optimizing methods for DNA digital data storage in nanomaterials.
- Collaborate with interdisciplinary teams, including molecular biologists, chemists, computer scientists, and engineers.
- Mentor and supervise master and PhD students.
- Design, analyze experimental work, contributing to exploitation and dissemination of the project in the form of patents and publications.
- Actively engage with the wider Basque and international research community by participating in conferences, workshops, and collaborative projects.

Qualifications

- PhD degree in Materials Science, Chemistry, Bioinformatics, Physics, Molecular Biology, Computer Science, or a related field.
- Experience with hands-on wet-lab experiments, bioinformatics, additive manufacturing, nanomaterial design and characterization is desired.
- Excellent communication skills in English, both written and verbal.
- Ability to lead research projects independently and as part of a collaborative research team.

Conditions

- A competitive salary for the duration of the project.
- Access to state-of-the-art laboratory facilities and computational resources.
- Opportunities for research stays at partner institutions in Germany, conference participation and international collaborations.
- Comprehensive health insurance (as per CiC Nanogune and EU regulations).

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 17/11/2025** and for a total length of up to 34 months (17/11/2025 - 01/10/2028) in the Self-Assembly Group.

How to apply

Interested **candidates** should fill in the **form below** and submit the following documents in a single PDF file:

- A cover letter explaining your interest and suitability for the position.
- A detailed CV, including academic background and relevant experience.
- Contact information of three references.

For **informal enquiries** interested candidates are welcome to contact **Ibon Santiago** (i.santiago@nanogune.eu) or **Alexander Bittner** (a.bittner@nanogune.eu).

The **deadline** for applications is **06/11/2025**.

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.*