

Postdoctoral Position in Biomolecular-based nanosensors

Job Summary

A postdoctoral position is available in the area of Biomolecular-based nanosensors. The project is in the framework of the European FET-Open project DeDNAed (GA 964248) entitled “Cluster decorated DNA origami for enhanced raman spectroscopic detection methods” focused on the development of an innovative DNA-origami based biosensing platform with high degree of flexibility in the area of application, from medical technology to food monitoring.

The project at CIC biomaGUNE involves the design and synthesis of hybrid nanoprobe by the incorporation of metal nanoclusters and semiconducting nanoparticles within DNA-based recognition elements and antibodies. The candidate will work in interdisciplinary and international environment on the design, synthesis and characterization of sensing elements (antibodies, DNA probes, and DNA aptamers) and their modification with nanomaterials.

The project is to be carried out at the **CIC biomaGUNE**, a vibrant multidisciplinary and international research institute in San Sebastian, Spain. **CICbiomaGUNE** has established a state of the art research program at the interface between the chemical, biological and physical sciences. It offers excellent working conditions and is well equipped with instrumentation and facilities.

Education Level:

Candidates should have a PhD degree in Biochemistry, Chemistry, Material Sciences or a related discipline.

Skills:

We are looking for a candidate with a solid background in **chemical biology, nanomaterial design and synthesis, nanobiotechnology, DNA synthesis, and sensing** or have equivalent experience. The candidate is expected to have interest in multidisciplinary work, and the capacity to work in an international environment. Excellent interpersonal skills as well as written and oral communication skills in English are required.

Duration:

Full Time Temporary Contract, vinculated to the length of the research project mentioned area.

Envisaged Job Starting Date: July 2023

Application Deadline: 2023-06-15

Project Funding:

- DeDNAed - 964248 - (European Commission - H2020)

How to apply: [Check the full details at webpage](#)

Equal opportunities Policy: CIC biomaGUNE is proud to be an equal opportunity employer and applicants will receive consideration for employment without regard to: age, color, disability, gender, national origin, race, religion, sexual orientation, gender identity, or any other classification protected by European, national, or local law.

Open Transparent and Merit Based Recruitment Policy:

[You can check here CIC biomaGUNE OTM-R Policy](#)

About CIC biomaGUNE

CIC biomaGUNE, located in the Science and Technology Park of Gipuzkoa (Donostia-San Sebastián), is a leading research center in the area of bionanomaterials, molecular imaging and regenerative medicine and counts with more than 160 people from 24 countries. The activity of CIC biomaGUNE is conducted by a team of 11 international and dynamic research groups, supported by flexible and efficient management teams and a unique research infrastructure including the Molecular Imaging Facility, one of the biggest preclinical imaging research infrastructures in Europe.

CIC biomaGUNE maintains a vibrant weekly scientific seminar program by visiting leading scientists. Additional training in soft skills and technologies covered by the CIC biomaGUNE technical platforms is offered to researchers within the in-house training program.

CIC biomaGUNE is committed to developing an HR Strategy for Researchers, designed to bring the practices and procedures in line with the principles of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers (Charter and Code).

Please check out the Human Resources Strategy for Researchers - [HRS4R at CIC biomaGUNE](#).