

Postdoctoral Position in biomolecular engineering

Job Summary

A postdoctoral position is available in the area of biomolecular engineering within the Biomolecular Nanotechnology group led by Prof. Aitziber L. Cortajarena. The project iSenseDNA “Computation driven development of in vivo-like-DNA-nanotransducers for biomolecules structure and function identification”, is funded by the European Union’s Horizon 2020 EIC-Pathfinder Open. The project aim is to produce tailored DNA-Nanotransducer to characterize the real-time interaction of DNA and proteins that will represent the first proof of concept of the envisioned technology, and the science-to-technology breakthrough targeted by iSenseDNA.

This is a multidisciplinary project ranging from bio-informatics and advanced computational methods, molecular dynamics, biotechnology, protein engineering, molecular biology, advanced optical spectroscopy, nano-fabrication and nanomedicine. In particular, the project at CIC biomaGUNE focuses on enzyme engineering, production and characterisation and the design of oligonucleotide-based aptamers.

The project is to be carried out at **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, Biophysics, Material Sciences, or a related discipline.

Skills:

We are looking for a candidate with a solid background in **protein chemistry, enzyme engineering, molecular biology, aptamers, nanobiotechnology, chemical biology, and/or material sciences**, or have equivalent experience. The candidate is expected to have an 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:

The successful candidate will be hired by CIC biomaGUNE for 1 year extendable to 24 months.

Envisaged Job Starting Date: Earliest convenience

Application Deadline: 2022-09-30

Project Funding:

- iSenseDNA - 101046920 - (European Commission - Horizon Europe)

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](#).