

Postdoctoral position available on nanoparticle-DNA hybrids

Job Summary

Postdoctoral position is available in the framework of the H2020-E.U.1.2.1. – FET Open project DNA-FASt data InfoRmation technologY with LIGHT driven multiSpectral optical encoding and readout (DNA-FAIRYLIGHTS), grant agreement No. 964995.

The ground-breaking aim of DNA-FAIRYLIGHTS is to develop a hybrid metal nanoparticle/DNA hybrid system for the encoding and reconfiguration of digital information at high density combined with a fast and reliable method of data reading that avoids the time-consuming necessity to amplify the DNA for readout via sequencing. The development of such hybrid DNA systems will be a paradigm change for data encoding and storage, an area in which the current demand is rapidly outpacing the capabilities offered by semiconductor technologies. It is a highly multidisciplinary project and involves several European partners.

Within this project, the post-doc will focus on the synthesis and characterization of nanoparticles and atomic clusters with tailored optical properties, and hybrid nanostructures involving DNA. The research will be carried out at CIC biomaGUNE, in San Sebastian (Spain) but collaboration with external partners will be required.

Envisaged Job Starting Date: November 2022

Application Deadline: 2022-10-12

Project Funding:

- DNA-FAIRYLIGHTS - 964995 - (European Commission - H2020)

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

Informal Inquiries: Informal requests for additional information can be sent to *Luis Liz-Marzan* at llizmarzan@icbiomagune.es or *Aitziber López Cortajarena* at alcortajarena@icbiomagune.es.

Applications sent directly to the emails listed above **will be NOT be accepted**

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](#).