

Postdoctoral Position in Biomolecular-based nanosensors

Biomolecular Nanotechnology Group

CIC biomaGUNE, San Sebastian, Spain

Job Full Description:

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. **CIC biomaGUNE** 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.

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

Required Skills/Qualifications: 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.

Project Funding: European FET-Open project *DeDNAed* (GA 964248) entitled “Cluster decorated DNA origami for enhanced raman spectroscopic detection methods”

Type of Contract and duration: The successful candidate will be hired by CIC biomaGUNE for an initial period of 12 months, extendable to 24 depending on performance and availability of funds.

Envisaged Job Starting Date: Starting date at the earliest convenience.

Application Deadline: March 31, 2021.

How to Apply: Candidates should submit a motivation letter, CV and the contact information of two referees using the following [form](#) and indicating “3291-Postdoc” as reference.

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.