

## **PhD POSITION AVAILABLE IN A PROJECT ON BIONANOMATERIALS**

### **Job Summary**

Applications are invited for a PhD studentship to work on a project at CIC biomaGUNE (San Sebastian, Spain) and Universidad de Cantabria (Santander, Spain). The main objective of the proposed research is to develop the *in situ* synthesis of nanomaterials on biogels and in microfluidic devices, for applications in biosensing. Applications are invited to work for 18 months at the Bionanoplasmonics Laboratory of CIC biomaGUNE, under the supervision of Prof. Luis Liz-Marzán, followed by 18 months at the University of Cantabria, under the supervision of Dr. Leonardo Scarabelli.

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Specific objectives of this work are:

- (i) Design and optimization of synthetic protocols for growing nanostructures on different substrates.
- (ii) Evaluation of the morphological and optical properties of the grown structures.
- (iii) Implementation of the prepared plasmonic substrates into functional devices and evaluation of their performances as multiplexed biosensors.

### **Education Level:**

Master's degree in a relevant area of Chemistry, Materials Science, Physical Chemistry, Biochemistry or related areas is required.

### **Skills:**

Experience in the fields of colloidal synthesis, polymer chemistry, surface chemistry and analytical characterization is highly desirable. Experience in the use of simulation packages and AutoCAD is not necessary but will be evaluated positively.

**Duration:**

The successful candidate will be hired with a full-time contract of 18 months at CIC biomaGUNE followed by a 18 months contract at University of Cantabria, ( Total contracts length 3 years ).

**Envisaged Job Starting Date:** November 2023**Application Deadline:** 2023-10-04**Project Funding:**

- 4DBIOSERS - 787510 - (European Research Council (ERC) - 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 [lizmarzan@cicbiomagune.es](mailto:lizmarzan@cicbiomagune.es) or at .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](#).