

2 Postdoctoral positions available on tumor growth and SERS detection

CIC biomaGUNE, San Sebastian, Spain

Two postdoctoral positions are available in the framework of the **ERC-Advanced grant 4DbioSERS, GA nº 787510**. The research, which will be carried out at CIC biomaGUNE, in San Sebastián (Spain), revolves around the design of 3D plasmonic hybrid nanostructures for applications as cell culture scaffolds and in situ sensing.

The project, supported by the European Research Council, is aimed at the application of surface enhanced Raman scattering for the real-time monitoring of tumor growth within purposely devised scaffolds.

Position 1 (*Job Offer Code 321_POSTDOC1*): Within this project, the proposed post-doc research will focus on photothermal effects and nanothermometry in 3D tissue models.

Required qualifications and experience:

A PhD in Chemistry, Physics, Materials Science, Biomedical Engineering, or a related area, is required and experience in the fields of nanothermometry, bioimaging and optical microscopy is highly desirable.

The candidates are expected to have interest in multidisciplinary work, motivation to learn from a diversity of scientific areas and the capacity to work in an international environment. Good interpersonal skills as well as written and oral communication skills in English are required.

Position 2 (Job Offer Code 321_ POSTDOC2): Within this project, the proposed post-doc research will focus on cell line engineering for 3D tumor model design.

Required qualifications and experience:

PhD in a relevant area of Chemistry, Physics, Biology, Medicine, Materials Science, or a related area, is required and experience in the fields of nanoplasmonics and drug delivery is highly desirable.

The candidates are expected to have interest in multidisciplinary work, motivation to learn from a diversity of scientific areas and the capacity to work in an international environment. Good interpersonal skills as well as written and oral communication skills in English are required.

Both projects will be carried out at the Bionanoplasmonics laboratory of **CIC biomaGUNE** under the supervision of **Prof. Luis M. Liz-Marzán**.

CIC biomaGUNE (San Sebastian) is a leading research center in the area of bionanomaterials, molecular imaging and glycotecnology and maintains a vibrant weekly scientific seminar program given 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. In 2018 CIC biomaGUNE was recognized as Maria Maeztu Unit of Excellence.

Conditions: The positions are for up to two years, starting in January 2020.

Application deadline: September 30th 2019

How to apply: Candidates should submit a motivation letter, CV and the contact information of two referees using the following [form](#) and indicating the corresponding **Job Offer Code**.

Informal enquires by highly motivated applicants should be addressed to Prof. Luis M. Liz-Marzán at llizmarzan@cicbiomagune.es