

PhD student

Job Summary

One PhD position is available in the framework of the ERC-consolidator project METACELL GA n° 818089 focused on the assembly of multi-enzyme systems on porous materials to perform biosynthetic pathways

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The tasks of the PhD project will involve:

1. The engineering of the enzymes surface to control their immobilization on porous materials
2. The chemical functionalization of porous materials
3. Functional and structural characterization of immobilized multi-enzyme systems

The PhD candidates are expected to work in multi-disciplinar experimental plan that will train her/him in protein engineering, material chemistry, fluorescence spectroscopy and microscopy, organic chemistry and process engineering.

The projects will be carried out at the heterogeneous biocatalysis laboratory of **CIC biomaGUNE** under the supervision of Dr. Fernando López Gallego. CIC biomaGUNE is a vibrant multidisciplinary and international research institute located at San Sebastian, Spain.

Education Level:

Candidates should have a Master degree in Biochemistry or Molecular Biology, Biotechnology, organic chemistry, material chemistry or a related discipline.

Skills:

We are looking for candidates with experience in some of these topics: **protein engineering, protein immobilization, biocatalysis, enzymology, and biophysics**. 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.

Duration:

- Full time contract with a duration of 3 years (Initial contract of 12 months renewable annually up to 36 months).

Application Deadline: 2022-02-15

Project Funding:

- METACELL - 818089 - (European Research Council (ERC))

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

Informal Inquiries: Informal requests for additional information can be sent to *Fernando López Gallego* at flopez@cicbiomagune.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](#).