

PhD position on the project “3D-printed Breast Cancer Metastasis Models: Organotypic Platforms to Monitor Disease Progression and Treatment (3D-BCMets)”

Job Summary

A joint PhD position between CICbiomaGUNE and IIS Biodonostia is available. The research, which will be carried out under the supervision of Dr. Dorleta Jimenez de Aberasturi (CIC biomaGUNE) and Dr. Amaia Cipitria (IIS Biodonostia), revolves around the fabrication of realistic 3D-printed Breast Cancer Metastasis Models.

The project is focused on the development of 3D realistic breast cancer disease models. Within this project, the proposed PhD research will focus on lung and bone marrow organotypic models as metastatic niches, to monitor disease progression and treatment. The long-term vision is to use such models for personalized medicine using cancer cells derived from individual patients.

For this purpose, new approaches will be developed based on the combination of the experience of the two groups involved: the expertise of Dr. Dorleta Jimenez de Aberasturi in the design and characterization of 3D-printed cell models; and the expertise of Dr. Cipitria in biomaterials, regeneration, breast cancer and bone metastasis. The project is highly multidisciplinary and combines research involving materials science, cell biology, *in vitro* disease models and bioimaging.

Education Level:

A Master degree in a relevant area of Biotechnology, Biology/Biochemistry, Chemistry, Biomedical Engineering, Materials Science or related areas is required. Experience in the fields of 3D printing and cell culture is highly desirable. Candidates that are in the process of their Master thesis defense in the next 3 months will also be considered.

Skills:

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:

Predoctoral contract with a duration of 3 years. The candidate will be contracted by CIC biomaGUNE for the first 18 months, and by IIS Biodonostia for the last 18 months

Candidates should submit a cover letter stating why they are interested in this position, a complete CV, transcript of university record and three references.

Informal requests for additional information can be sent to: <djimenezdeaberasturi@cicbiomagune.es> and indicating “PhD 3D-BCMets” in the subject line.

Envisaged Job Starting Date: Sept/Oct 2022

Application Deadline: 2022-08-31

Project Funding:

- María de Maeztu biomaGUNE - MDM-2017-0720 - (Agencia Estatal de Investigación - AEI)
- N/A - N/A - (CIC biomaGUNE)

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

Informal Inquiries: Informal requests for additional information can be sent to *Dorleta Jiménez de Aberasturi* at djimenezdeaberasturi@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](#).