

PhD position available on 3D printed disease model design

Job Summary

A joint PhD position between CICbiomaGUNE and POLYMAT is available. The research, which will be carried out under the supervision of Dr. Dorleta Jimenez de Aberasturi (CICbiomaGUNE) and Dr. Irune Villaluenga (POLYMAT) revolves around the development of hybrid smart inorganic-organic bioinks for the development of 3D printed cell models

The project, is focused on the development of 3D printed realistic disease models from the cardio-pulmonary system. Within this project, the proposed PhD research will focus on the development of hybrid printable bioinks and on the fabrication of an alveoli air-blood barrier model for drug testing studies.

Education Level:

A Master degree in a relevant area of Chemistry, Biomedical Engineering, Materials Science or related areas is required and experience in the fields of nanomaterials and/or polymer science, and cell culturing is highly desirable.

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:

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

Envisaged Job Starting Date: September 2022

Application Deadline: 2022-06-30

Project Funding:

- 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](#).