

## **Joint PhD project aimed at developing Glycoengineered viral particles as a Platform Technology for Glycoconjugate Vaccines, Immune Modulators and Antivirals**

### **Job Summary**

In the framework of an ongoing collaboration between Gaiker and CIC biomaGUNE research centers we offer a fully funded 3-year PhD project focused on the development of glycoengineered viral particles and their validation as conjugate vaccines, immune modulators or antivirals.

A research project with training in carbohydrate synthesis, bioconjugation techniques and protein expression is offered. The aim of the project is to develop tunable and functionalized viral particles with potential application as glyconjugates vaccines, modulators of immune response e.g. in autoimmune disease and cancer or potent antivirals by inhibiting cell surface attachment and hence infection of viral pathogens. The PhD will be carried out between the Biotechnology group of Gaiker, located in Zamudio, Bizkay and the Glycotechnology group at CIC biomaGUNE in San Sebastián, Guipuzcoa, respectively. Supervision will be provided by the two project PIs and senior support staff and research progress revised.

### **Education Level:**

Bs in Chemistry and Msc in Chemistry, Biochemistry, Biology, or Biotechnology

### **Skills:**

Previous experience in research organic synthesis, bioconjugation techniques and/or protein expression desirable

Good level of spoken and written English language

### **Duration:**

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

**Envisaged Job Starting Date:** September 2022

**Application Deadline:** 2022-07-31

### **Project Funding:**

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

**Informal Inquiries:** Informal requests for additional information can be sent to *Niels Reichardt* at [nreichardt@cicbiomagune.es](mailto:nreichardt@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](#).