

PhD Position in Engineering Conductive Proteins

Biomolecular Nanotechnology Group

at CIC biomaGUNE (San Sebastian) within the European FET-Open Project *e-Prot*
“Engineered conductive proteins for bioelectronics”

Job Full Description:

A PhD position is available in the group of Prof. Aitziber L. Cortajarena (Biomolecular Nanotechnology Lab at CIC biomaGUNE)

This project will be focused on the development of efficient conductive protein systems for novel green and sustainable conductive materials. This collaborative interdisciplinary project exploits the potential of protein engineering to encode electron and proton conduction in a protein system with self-assembly properties. The project focuses on the design and characterization of robust proteins, with optimized electronic and ionic conductivity. The project is highly multidisciplinary and combines research involving biochemistry, protein engineering, protein chemistry, bionanotechnology, and materials science.

The project will be carried out at the **CIC biomaGUNE** a vibrant multidisciplinary and international research institutes in San Sebastian, Spain. The institute has established a state of the art research programs at the interface between the chemical, biological. It offers excellent working conditions and it is well equipped with instrumentation and facilities.

Required qualifications and experience: Candidates should have a Master degree in Chemistry, Biochemistry, Biophysics, Materials Science, or a related discipline. Candidates that are in the process of their Master thesis defense in the next 3 months will also be considered.

Required Skills/Qualifications: Previous experience in **protein chemistry, protein engineering, polymer chemistry, molecular biology, and/or biocatalysis** would be highly valuable but not mandatory. The candidate is expected to work in a multidisciplinary and an international environment. Good interpersonal skills as well as written and oral communication skills in English are required.

Project Funding: European Union’s Horizon 2020 FET Open under the grant agreement No: 964593 project e-Prot entitled “Engineered conductive proteins for bioelectronics”

Type of Contract and duration: The successful candidate will be hired by **CIC biomaGUNE** for an initial period of 12 months, annually renewed based in performance until a maximum of 36 months

Envisaged Job Starting Date: Starting date at the earliest convenience.

Application Deadline: December 10th, 2021.

How to apply: Candidates should submit a motivation letter, CV and the contact information of two referees using the following form and indicating “3291_30869-PhD_Student” as reference.

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.