

Postdoctoral Position in Protein-engineering and Structural Characterization of Hybrid systems

Biomolecular Nanotechnology Group

CIC biomaGUNE, San Sebastian, Spain

A postdoctoral position is available in the area of **Protein-engineering and Structural Characterization of Hybrid Systems**.

The project is in the framework of an ERC Consolidator Grant (ProNANO) focused on the development of a modular versatile platform for the fabrication of protein-based hybrid functional nanostructures for their use in different applications including molecular electronics, optical plasmonics, bioorganic catalysis, and photoactive systems among others.

The project involves the design and functionalization of protein scaffolds to obtain functional hybrid structures. The candidate will be focused mostly on obtaining structural insights on these novel protein-based hybrid systems. These systems will include protein scaffolds functionalized with organic molecules, carbon nanomaterials, metallic nanoparticles and nanoclusters among others.

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

Required qualifications and experience.

Candidates should have a PhD degree in Biochemistry, Chemistry, Structural Biology or a related discipline. Candidates that are in the process of their PhD defense in the next 3 months will also be considered.

We are looking for a candidate with a solid background in **protein chemistry and design, structural biology, biophysics, and chemical biology** or have equivalent experience. In particular, experience in some of these topics is highly desirable: **protein engineering, molecular biology, computational biology, X-ray crystallography, NMR, and cryo-TEM**. The candidate is expected to have interest in multidisciplinary work, and the capacity to work in an international environment. Excellent interpersonal skills as well as written and oral communication skills in English are required.

Conditions.

The successful candidate will be hired by CIC biomaGUNE for 12 months, extendable to 24 depending on performance. Starting date at the earliest convenience.

Candidates should submit a motivation letter, CV and the contact information of two referees using the following [form](#) and indicating "3291-Postdoc" as reference. The deadline for application is September 30, 2019.

