




Company Description

A Collaborative Project between the group of Dr. Ana Beloqui at the Basque Center for Macromolecular Design and Engineering, POLYMAT Fundazioa www.polymat.eu, and the group of Prof. Aitziber L. Cortajarena (Biomolecular Nanotechnology Lab at CIC biomaGUNE).

Information

 **Deadline:** 2020-09-10
 **Category:** Business
 **Province:** Gipuzkoa

 **Country:** Basque Country
 **City:** SAN SEBASTIAN

Company

Polymat

POLYMAT
 Basque Center for
 Macromolecular Design and Engineering

Main functions, requisites & benefits

Main functions

This Collaborative Project aims to design and fabricate hybrid catalytic biomaterials with different levels of complexity, in order to tackle one pot concurrent reactions using multifunctional protein-polymer hybrids as artificial biocatalysts. For this purpose, new approaches will be developed based on the combination of the experience of the two groups involved: The expertise of Prof. Cortajarena in protein engineering for the generation of protein-based functional hybrids, in particular protein-nanoclusters hybrids; and the expertise of Dr. Beloqui in protein-polymer hybrids for the synthesis of catalytic hydrogels. The project is highly multidisciplinary and combines research involving biochemistry, protein chemistry, bioinorganic chemistry, (bio)catalysis, and applied polymer chemistry.

Requisites

Applicants must have a BSc and MSc in Chemistry, Biochemistry, Biophysics or a related discipline. Candidates that are in the process of their Master thesis defense in the next 3 months will also be considered. The candidate is expected to work in a multidisciplinary and an international environment. Good command of written and spoken English is a must.

Benefits

The project will be carried out at POLYMAT and CIC biomaGUNE, two vibrant multidisciplinary and international research institutes in San Sebastian, Spain. They offer excellent working conditions and is well equipped with instrumentation and facilities. POLYMAT has obtained the 'HR Excellence in Research award'. The award reflects our commitment to continuously improve our human resource policies in line with the European Charter for Researchers, the Code of Conduct for the Recruitment of Researchers and our commitment to achieve fair and transparent recruitment and appraisal procedures.