

PhD in electroresponsive hydrogels for biomedical applications

Job Summary

Job Full Description: We are looking for a highly motivated PhD student to carry out a research project jointly supervised between the groups of Dr. David Mecerreyes at POLYMAT and Dr. Sergio E. Moya at CIC biomaGUNE, both located in San Sebastian, Spain. The aim of the project is to develop electroactive and responsive hydrogels for biomedical applications, mainly for drug delivery. The PhD student will work on the synthesis and physicochemical characterization of the hydrogels, and also perform cell culture studies to study intracellular delivery. The successful applicant will be part of a very international and multidisciplinary team, and will receive training at the interface of biological and materials science. He/she will have access to state-of-the-art facilities for the characterization of hydrogels (including atomic force microscopy, cryo-transmission electron microscopy, and thermogravimetric analysis), and for imaging at cell level (confocal microscopy and Raman microscopy).

Required Education Level: Masters degree

Required Skills/Qualifications: Candidates should possess a Masters degree and background in polymer or organic synthesis, as well as a good command of English.

Framework Programme: Co-funded by the Maria de Maeztu Units of Excellence Programme – Grant No. MDM-2017-0720 (CIC biomaGUNE).

Type of Contract: Full time contract, for a duration of 3 years.

Envisaged Job Starting Date: November or December 2019

Application Deadline: 30 September 2019

How To Apply: Please submit your application with a motivation letter stating why you are interested in this position, your CV, and the contact details of two academics who can provide a reference. Please submit your application using [this form](#) indicating the job offer code **310**. Informal requests for additional information can be sent to Dr. Sergio E. Moya at smoya@cicbiomagune.es