

Two PhD Fellowships

Two PhD Fellowship are available in the Responsive Polymers for Therapeutics Group at the Basque Center for Macromolecular Design and Engineering, POLYMAT Fundazioa (www.polymat.eu).

- 1) Development of nanocarriers for therapeutics**
- 2) Development of 3D cellular models for drug screening**

The projects are highly multidisciplinary in the field of therapeutics. Candidate 1) will focus on the synthesis and formulation of novel delivery systems to target glioblastoma disease combining knowledge on biochemistry and polymer chemistry. Knowledge on drug encapsulation and release, polymer synthesis and characterization will be required. Candidate 2) will focus on the development of 3D-printed glioblastoma multicellular models that will be used to test the therapeutic formulations. Here, knowledge on material science, cell culture, biology and biofabrication (3D bioprinting) techniques will be required.

Required qualifications and experience.

Applicants 1) must have a BSc and MSc in Chemistry, Biochemistry, Biophysics or a related discipline. Applicant 2) must have a BSc and MSc in Material Sciences, Bioengineering or Biology.

Candidates should be registered in Lanbide prior to the formalization of the contract. Further information can be found under <https://www.lanbide.euskadi.eus>. Good command of written and spoken English is a must.

Applications should be addressed to Prof. Marcelo Calderón and sent via email in one single PDF to marcelo.calderon@polymat.eu before the 13.05.2022 including:

- (i) a cover letter highlighting their interest in the position.
- (ii) curriculum vitae including the academic certificate.
- (iii) a short description of previous research (1-2 Pages).
- (iv) the names and contact addresses (e-mail) of two academic referees.

Please note that *because of the large number of applications expected*, we will not be able to give individual *feedback* to unsuccessful applications.

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.