

Company Description

Information

 Deadline: 2019-09-01
 Category: Academia
 Province: Araba / Álava

 Country: Basque Country
 City: San Sebastian

Company

Polymat

POLYMAT
 Basque Center for
 Macromolecular Design and Engineering

Main functions, requisites & benefits

Main functions

A PhD Fellowship in Chemistry is available in the Polymerization Processes and Rheology Groups at the Basque Center for Macromolecular Design and Engineering, POLYMAT Fundazioa (www.polymat.eu). The aim of this project is to exploit recent advances in polymer chemistry to reinvent classical acrylic polymers for use in additive manufacturing techniques. Within this project we will be trying to advance two scientific aims: (1) developing a better understanding of how the rheological properties of dynamic polymers can be adapted for specific materials applications (2) tailored synthesis of dynamic polymers for specific additive manufacturing techniques. The project is at the forefront of polymer and materials science and is a highly interdisciplinary involving synthesis, characterization and application of polymers.

Requisites

Applicants must have a BSc and MSc in Chemistry (or a related discipline). A background in polymer science is highly desirable. Good command of written and spoken English is a must (if preselected, a telephone interview will be carried out before any other appointment is made). The selected candidate is expected to conduct research, write papers, and deliver a PhD thesis. Applications should be addressed to Dr. Nicholas Ballard and sent via email in one single PDF to nicholas.ballard@polymat.eu before the 1st September 2019 (applications will be considered upon arrival) including: a cover letter highlighting their interest in the position, curriculum vitae, a short description of previous research (1-2 Pages), 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.

