

## PhD Fellowship in Machine Learning for Emulsion Polymers

A PhD Fellowship in Chemistry is available in the Polymerization Processes Group at the Basque Center for Macromolecular Design and Engineering, POLYMAT Fundazioa ([www.polymat.eu](http://www.polymat.eu)).

Emulsion polymerization is an industrialized process for the production of polymer latexes that involves a complex, heterogeneous polymerization system and leads to polymers with a diverse range of structures. This project looks to use machine learning to better control polymerization processes and products made from emulsion polymers.

Applicants must have an MSc in Chemistry (or a related discipline). A background in polymer science and/or some experience in mathematical modelling 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 Prof. José M. Asua and Dr. Nicholas Ballard and sent via email in one single PDF to [nicholas.ballard@polymat.eu](mailto:nicholas.ballard@polymat.eu) before the 1st January 2022 (applications will be considered upon arrival) including:

- (i) a cover letter highlighting their interest in the position.
- (ii) curriculum vitae.
- (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.