

Two Marie Curie PhD positions available within the European Industrial Doctorate (EID) POLYTE: Innovative Polymers for Lithium Battery Technology

POLYTE European Industrial Doctorate is a Marie Slowdowska Curie Project which integrates leading industrial and academic institutions for the development of Innovative Polymers for Lithium Battery Technology. POLYTE puts together the expertise in batteries for automotive of Toyota Motor Europe (TME) with the academic excellence in polymers of the University of the Basque Country (POLYMAT). The PhD student will carry out a research project and spend 50% of their time in industry (**Toyota Motor Europe**, Zaventem, Belgium) and 50% of their time in Academia (**University of the Basque Country**, Donostia-San Sebastián, Spain). The work in POLYMAT (University of the Basque Country) will be focused on the synthesis and characterization of innovative energetic polymers, whereas the work at TME will be focused on electrochemical characterization and testing of POLYTE materials in device battery prototypes. We offer a competitive Marie Curie salary, comprehensive, interactive and international training programme covering innovative and state-of-the-art approaches to current polymer synthesis and lithium battery technologies. The programme will combine research-specific skills, complementary skills and soft skills, and will involve both the academic and industry sectors aimed to prepare all researchers optimally for their future careers.

Applicants must have a **MSc in Polymer Chemistry, Organic Chemistry, Materials, Chemical Engineering, or similar** and they must be **Early-Stage Researchers (ESRs)**; researchers in their first four years of research activity. Experience in Electrochemistry and Polymer Synthesis will be an asset. Good command of written and spoken English is a must. Researchers can be of any nationality. They are required to undertake **transnational mobility**. Researchers must not have lived, worked or studied in Spain for more than 12 months out of the 3 years immediately prior to the time of application. **Gender equality** will be promoted in the recruitment.

The individual projects will start between september and november 2018, depending on the availability of the candidates. **The length of individual appointments for an ESR will be 36 months.**

Applications should be addressed by e-mail to Prof. David Mecerreyes (david.mecerreyes@ehu.eus) before September 30th, 2018, including in one single PDF the following information:

- (1) curriculum vitae, including the marks obtained in BSc and MSc
- (2) the names and contact addresses (e-mail) of two academic referees.