PHD FELLOWSHIP IN COMPUTATIONAL CHEMISTRY

Company Description

Basque Center for Macromolecular Design and Engineering-POLYMAT Fundazioa (www.polymat.eu) is a research center associated to the University of the Basque Country. It is devoted to use-inspired fundamental research on the synthesis, assembly, and processing of polymers. 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 Recruitment of Researchers and our commitment to achieve fair and transparent recruitment and appraisal procedures. The project will be carried out at POLYMAT and DIPC centers, two vibrant multidisciplinary and international research institutes in Donostia - San Sebastián (Spain). Both centers offer excellent working conditions and well-equipped facilities. The project is supported by the IKUR - HPC & IA strategy of the Basque Government (www.science.eus/en/ikur) and aims to develop new polymeric materials with enhanced properties for technological applications.

Information

Deadline: 2023-03-31
Category: Business
Province: Gipuzkoa
Country: Basque Country
City: Guipúzcoa

Company

Polymat

Main functions, requisites & benefits

Main functions

The selected candidate is expected to conduct research, write papers and deliver a PhD thesis, and should be able to start before July 1st. A co-tutored PhD Fellowship in Computational Chemistry is available in the group of Dr. Fernando Ruipérez at the Basque Center for Macromolecular Design and Engineering, POLYMAT Fundazioa (www.polymat.eu), co-supervised by Dr. Jon M. Matxain at Donostia International Physics Center, DIPC (www.dipc.ehu.es).

Requisites

Applicants must have a BSc and MSc in Chemistry (or at least 60 ECTS credits) with a background in Computational Chemistry and previous experience in electronic structure calculations by means of DFT calculations. Additional knowledge on TDDFT and MD calculations, along with transition state characterization will also be appreciated. Good command of written and spoken English is a must.