POSTDOCTORAL IKUR POSITION - COMPOSITE ELECTROLYTES FOR NEXT GENERATION LITHIUM

Company Description

BCMaterials, Basque Center for Materials, Applications and Nanostructures, is an autonomous research center launched in June 2012 by Ikerbasque, the Basque Foundation for Science and the University of the Basque Country (UPV/EHU) as a research center for Materials, Applications and Nanostructures. The center is included in the BERC's (Basque Excellence Research Centers) network and its mission is to generate knowledge on the new generation of materials, turning this knowledge into (multi)functional solutions and devices for the benefit of society. BCMaterials is looking for a motivated and experienced scientist to fill a two-year POSTDOCTORAL position in the scope of the IKUR project " Multiscale Modelling and in-Silico Screening of Composite Electrolytes for Next Generation Lithium Batteries ". The project aims at developing next generation lithium batteries by developing different types of solid electrolytes. The project is developed in collaboration with different partners, including BCAM, CICEnergigune and Polymat, and will develop both theoretical simulation and experimental evaluation of solid electrolytes and battery systems. The present post-doctoral position is primarily concerned with the experimental development and evaluation of polymer solid electrolytes. The solid electrolytes will be developed based on different polymer matrices and fillers and characterized at different levels

Information

Deadline: 2023-03-31
Country: Basque Country
Category: Business
City: Leioa
Province: Bizkaia

Company

BCMaterials

Main functions, requisites & benefits

Main functions

The main task of the job is devoted to the development and characterization of poolymer composites for application as solid electrolytes for energy storage applications. Posdoctoral research fellow will be responsible for the processing and characterization of the materials as well as their evaluation for battery applications.

Requisites

PhD in Physics, Chemistry, Materials Science or related areas. Demonstrated experience in the field of polymer composites, materials for energy or related areas. Strong background in materials processing and characterization. A team player who can collaborate with other research groups and lines. Proficiency in speaking and writing in English. Self-motivation and willingness to lead independent research. Presentation skills and ability to meet the deadline are also required.