

Company Description

CIC Energigune is a Cooperative Research Centre founded in 2007 with its headquarters in the Basque Country. Created thanks to the investments of the Basque Government and several leading companies in the energy sector, it aspires to become a true international leader in the field of energy and contribute to the industrial competitiveness of Basque companies.

Information

 **Deadline:** 2019-06-14
 **Category:** Business
 **Province:** Araba / Alava

 **Country:** Basque Country
 **City:** Vitoria

Company

CIC energigUNE



Main functions, requisites & benefits

Main functions

Description of the project:

Energy storage is critical to meeting the needs of modern societies, and batteries represent a predominant technology. While Na-oxygen batteries offer much higher energy density than current Metal-ion systems, the selection of suitable electrolytes remains a major hurdle which has yet to be overcome. This project aims to meet this challenge by first using a combination of experimental and computational techniques to generate rational design principles, then from these (using careful selection of constituents; i.e. solvent(s), salt, and additive) develop a new generation of advanced electrolytes. The outcome of the project will not only lead to advances in system technologies, but also provide a framework for future progress in this field.

Requisites

Qualification requirements PhD in chemistry, chemical-physics, physic-chemistry or related fields Research experience in organic chemistry and/or polymers will be highly value. Experimental skills in electrochemical and physico-chemical characterization (such as Raman and infrared spectroscopy, nuclear magnetic resonance) are sought. Candidate mandatory requirements to apply to MSCA-IF: The deadline to apply to the MSCA IF 2019 call is 11th September 2019. At that date, the applicant should fulfill the following requirements: Shall be in possession of a doctoral degree or have at least four years of full-time equivalent research experience. Must not have resided or carried out their main activities in the country of Spain for more than 12 months in the 3 years immediately prior to the abovementioned deadline. Information on how to apply for application to Marie Curie Individual Fellowship can be found at European Commission Participant Portal

Benefits

The "Electrochemical Energy Storage" area, at CIC energigUNE, is seeking for a Postdoctoral researcher to apply for an Individual Fellowship (IF) within Marie Skłodowska-Curie actions (MSCA) of the European Union in electrolytes for electrochemical energy storage. The candidate will join a multidisciplinary and collaborative team of young researchers. The position is expected to start during the first half of 2020 and will have a duration of 2 years.

The candidate will be hired only if the MSCA Individual Fellowship is granted. Successful candidates will be hosted at CIC energigUNE during the fellowship