

Company Description

CIC energiGUNE is the research center for electrochemical and thermal energy storage, a member of the Basque Research and Technology Alliance- BRTA, and, a strategic initiative of the Basque Government. CIC energiGUNE was created in 2011 to generate excellent research in materials and systems for energy storage, maximizing the impact on results to the Basque Business Network, through collaboration with universities, research centers, and companies. CIC energiGUNE has a dynamic research team of more than 100 researchers and is extremely well equipped with a wide range of up-to-date facilities that are fully available for all its researchers. Also, the European Commission has recently awarded CIC energiGUNE with the 'HR Excellence in Research' which reflects its commitment to achieving fair and transparent recruitment and appraisal procedures and certifies the existence of a stimulating and favorable work environment for researchers in the institution. For more details on CIC energiGUNE's research activities please visit our website at: <http://www.cicenergigune.com>

Information

 **Deadline:** 2021-06-18
 **Category:** Business
 **Province:** Araba / Alava

 **Country:** Basque Country
 **City:** VITORIA-GASTEIZ

Company

CIC energiGUNE



Main functions, requisites & benefits

Main functions

The Project will focus on the development of flexible supercapacitors with improved performance. Carbon-based composites, graphene-related materials and other bidimensional materials will be synthesized/modified in order to tailor their electronic and textural properties. These materials will be used for the processing of electrodes onto flexible substrates using different printing and deposition techniques, and their electrochemical properties evaluated to assess their potential as next-generation flexible energy storage devices. Techniques to be used: The following techniques will be used through the Project: Physicochemical characterization techniques: Electron microscopy, nitrogen adsorption-desorption isotherms, XRD, Raman spectroscopy. Electrochemical characterization techniques: Cyclic voltammetry, Galvanostatic charge-discharge, impedance spectroscopy.

Requisites

PhD in chemistry, materials science or related fields. Experience on materials synthesis and electrochemical characterization. A team player who can collaborate with other groups, technological centers, and industry. Very good verbal and written communication skills in English. MSCA Postdoctoral Fellowship Specific Requirements: Applicants should have recently completed their postgraduate studies (between 15/09/2013 and 14/09/2021). Applicants must have a strong publication record. It will be valuable that applicants have papers published with no contribution of the PhD supervisor and papers published as first corresponding author... Once the candidate is selected by CIC energiGUNE, in order to apply for MSCA PF funding, applicants need to prepare a research proposal together with the host organization that will be submitted to the European Commission. The position is linked to the approval by the EC.

Benefits

CIC energiGUNE will host the candidate granted by the Marie Skłodowska-Curie Actions (MSCA) Postdoctoral Fellowship to develop the project described. The grant provides an allowance to cover living, travel and family costs. In addition, the EU contributes to the training, networking and research costs of the fellow, as well as to the management and indirect costs of the project. The grant is awarded to the host organisation, usually a university, research centre or a company in Europe. More information about the grant: At CIC energiGUNE, researchers have access to a complete set of existing laboratory infrastructure and equipment, as well as to the needs identified during the project development to ensure a fruitful stay and the fulfillment of the objectives in due time. Integration in an enthusiastic and multidisciplinary young group with great projection and commitments with sustainability and research quality.