

## Company Description

CIC energiGUNE (CICe) is a young energy research centre (inaugurated in June 2011) with headquarters in the Basque Country (Spain), whose mission is to do an excellence oriented research as well as the transfer of technology to the industry. CICe has a dynamic research team of more than 100 researchers, is extremely well equipped with a wide range of up-to-date facilities that are fully available for all its researchers. For more detail on CIC's research activities please visit <http://www.cicenergigune.com>

## Information

 Deadline: 2020-12-15  
 Category: Academia  
 Province: Araba / Álava  
 Country: Basque Country  
 City: Vitoria-Gasteiz

## Company

CIC energiGUNE



## Main functions, requisites & benefits

### Main functions

The Modelling and Computational Simulations group at CIC energiGUNE (Vitoria, Spain) is searching for a Postdoctoral Researcher to engage in atomistic simulations on energy storage materials for application in rechargeable batteries. The candidate will join a multidisciplinary and collaborative team of theoretical and experimental Chemists, Physicists and Materials Scientists. To apply state-of-the-art computational techniques, combining molecular and quantum mechanics with cheminformatics to inform the process of battery materials discovery, design well-defined combinatorial routes of new synthetic compounds, and assist in structure-based materials optimization.

### Requisites

We are searching for a highly motivated and independent researcher with a PhD in Physics, Chemistry, Materials Science, Applied Mathematics or other related topics. The candidate shall possess a strong background (at least four years of previous experience as demonstrated, for instance, by first author publications) in Solid-State Physics/Chemistry and Quantum Chemistry applied to crystalline or amorphous solids. High expertise in density functional theory electronic structure calculations is required. Good expertise in classical molecular dynamics simulations is desired. Experience of scientific programming and application of machine learning libraries and algorithms is also desirable. Expertise in mesoscale or multiscale modelling of electrochemical systems will be an asset. The candidate should be able to work independently and as part of a team, as well as have very good command of English. The candidate should be able to effectively communicate with a variety of multidisciplinary audiences. PhD in Materials Science, Polymer Chemistry, Electrochemistry or related fields.

### Benefits

We offer a full time, 2 year, contract and advantageous professional development opportunities with the possibility of renewal based upon satisfactory job performance, continuing availability of funds, and ongoing operational needs. Integration in an enthusiastic and multidisciplinary young group with great projection and commitments with sustainability and research quality. In addition to the appeal of the entire project, the CIC energiGUNE offers a competitive basic salary linked to the MCIF conditions. The Foundation will also help smooth the transition for you and your family, providing a welcome program that offers accommodation and addresses other aspects to help you integrate into the local environment. CIC energiGUNE is committed to affirmative action, equal opportunity and the diversity of its workforce.