

## Company Description

The Atomistic Modelling and Computational Simulations group at CIC energiGUNE is searching for a Postdoctoral researcher to engage in the research and development of solid-state inorganic electrolyte for rechargeable batteries within a Horizon EU project.

## Information

 Deadline: 2023-09-30    
  Country: Basque Country  
 Category: Business    
  City: Vitoria-Gasteiz  
 Province: Araba / Álava

## Company

CIC energiGUNE



## Main functions, requisites & benefits

### Main functions

**Job functions:** To apply state-of-the-art computational techniques, combining interatomic potentials with quantum-mechanical To model Li transport in inorganic solid electrolytes at the atomic level. Area: Electrochemical energy storage (EES) Research Group: Atomistic Modelling and Computational Simulations

### Requisites

We are searching for an 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 two years of previous experience as demonstrated, for instance, by first author publications) in Solid-State Physics/Chemistry and Quantum Chemistry applied to inorganic solids. High expertise in density functional theory electronic structure calculations is required. Good expertise in molecular dynamics simulations will be an asset. Experience with machine learning algorithms is strongly preferred. The candidate will join a multidisciplinary and collaborative team of theorists and experimentalists from condensed matter, materials, and chemical sciences. Therefore, the successful candidate must be able to effectively communicate with a variety of audiences. The candidate should be able to work independently and as part of a team, as well as have very good English skills.

### Benefits

We are offering a 3-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. Flexible working hours and with on-site work model with the option to eventually telework. Full access to cutting-edge laboratory facilities and characterization platforms. The incorporation to a top research center in Europe that makes high quality research and impactful contributions to the energy and sustainability fields. Professional and personal development: opportunity to attend seminars, international conferences, trainings, etc. Integrated, enthusiastic, international and multidisciplinary environment. A welcome program that offers help with finding accommodation and addresses other aspects to help you integrate into the local environment (such as free language courses, assistance with the administrative procedures, help with schools for children...). For more information: <https://cicenergigune.com/en/work-with-us>