

## 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.

## Information

 Deadline: 2020-10-22    
  Country: Basque Country  
 Category: Academia    
  City: Vitoria-Gasteiz  
 Province: Araba / Álava

## Company

CIC energiGUNE



## Main functions, requisites & benefits

### Main functions

The position is open within FET Proactive project Electro-intrusion, which received funding from European commission and is dedicated to investigation of contact electrification and thermal effects during forced non-wetting liquid intrusion and its spontaneous extrusion into-from nanopores for the benefit of storage and conversion application. This exciting project implies active collaboration with theoretical, experimental and engineering teams – members of the project consortium. Job function: To perform high-quality research within the scope of the project To publish the obtained results in high impact journals To present the obtained results in international conferences To provide guidance to PhD-, Master- and visiting-students when required

### Requisites

CIC energiGUNE is seeking for a Researcher with a background in Chemical Sciences with the hands on expertise in: Nanoporous materials synthesis including metal-organic frameworks, ceramics, carbon materials, etc... Experience in at least some of the relevant characterization techniques such as gas adsorption, porosimetry, TEM, SEM, FTIR, Raman, AFM, XPS, NMR, etc. Familiarity with wettability characterization and control. PhD in Chemical or Physical sciences. Experience in nanoporous material synthesis and characterization. A team player who can collaborate with other groups, technical centers, and industries. Excellent verbal and written communication skills in English. The knowledge of contact electrification will be considered as an advantage. The following Experience will be considered as Advantageous: Superhydrophobic and superlyophobic materials synthesis. Hydrophobization techniques. Monolith porous materials synthesis. Hierarchical porous materials synthesis. Porous materials synthesis scale up. Solid-liquid interfacial interactions. Contact electrification (triboelectrification). Familiarity with energy storage applications.

### Benefits

In addition to the appeal of the entire project, the CIC energiGUNE offers a competitive basic salary augmented by important benefits such as special conditions for a private health insurance that compare favorably with the best global private and public institutions. We are offering a 3-year contract and advantageous professional development opportunities. A prolongation of the contract for 2 additional years is possible subjected to a positive performance assessment. 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.