

Company Description

CIC energiGUNE is an energy research centre based in the Basque Country of Spain. Its mission is to play a leading role on the international stage in the field of energy storage technologies and contribute to the industrial competitiveness of Basque Country. CIC is a world-class research facility with cutting-edge equipments. CIC energiGUNE is composed of young, international and dynamic research teams.

Information

 **Deadline:** 2020-02-25
 **Category:** Business
 **Province:** Araba / Alava

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

Company

CIC energiGUNE



Main functions, requisites & benefits

Main functions

- Design and synthesize organic electrolytes for electrochemical energy storage
- Complete characterization of materials using analytical instruments
- Guide electrochemical testing of the materials and evaluate their applicability
- Implement new redox active materials in redox flow batteries in a lab scale set-up
- Participate in the communication and dissemination plan of the project and centre by attending national or international meetings and conferences
- Preparation of manuscripts, scientific reports or protocols
- Supervise PhD students and technicians

Requisites

- PhD in Organic Chemistry / Electrochemistry / Materials science / Chemistry / Engineering or a related field is required
- Experience in synthesis of organic materials
- Experience in electrochemical characterization techniques
- Experience in the field of redox flow batteries or related technologies will be positively considered
- A team player who can collaborate with colleagues in other groups, technical centers, and industries.
- Good verbal and written communication skills in English. Spanish and Basque are optional but not compulsory.

Benefits

We are offering a 36-month position in the frame of a European Funded Project in the field of redox flow batteries. The project as a whole will consist on the development of a new chemistry based redox flow battery prototype and its implementation in the field. This is a multidisciplinary project (experimental physical chemistry and synthetic chemistry) that will engage the successful candidate in the synthesis and/or study of new organic materials towards their application in redox flow batteries. The selected candidate will be part of a team of researchers working for the same project goal and will be in tight collaboration with other institutions (universities and companies) within the consortium of the granted project.