

**Company
Description**

CIC energiGUNE is a well-known energy research center 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 energiGUNE has a world-class research facility, cutting-edge equipment, an experienced management team, and a scientific committee composed of prominent scientists, entrepreneurs, and industrial experts www.cicenergigune.com

Information

 Deadline: 2020-06-30
 Category: Business
 Province: Araba / Alava

 Country: Basque Country
 City: Vitoria-Gasteiz

Company**CIC Energigune****Main functions, requisites & benefits****Main functions**

CIC energiGUNE is seeking an experienced Researcher to work on the development of advanced materials for Li-ion and Li-metal batteries. Job Functions: Integration of a high-voltage cathode material and a high-capacity anode material into a full Li-ion cell. Advanced characterization of cathode and anode materials, cell components and their interfaces using a wide range of techniques (X-ray and neutron powder diffraction, electron microscopy, XPS, solid-state NMR and Raman spectroscopies, etc. as well as electrochemical techniques). Complete understanding the degradation mechanisms occurring at materials and cell levels. Design and synthesis of new battery materials for next generation Li-ion and Li-metal batteries. Write technical reports and publications for high-impact journals. Take active part in European and industrial projects; supervise technicians. What We Offer: We offer a 24-to-36-month contract and a collaborative and international environment in which we can all succeed; as well as a culture through which we can all share ideas, develop our expertise and advance our careers.

Requisites

PhD in Solid-State Chemistry, Materials Science, Chemical or Materials engineering, Chemistry or any related field. Solid background in materials characterization and crystallochemistry. Experience in synthesis of inorganic materials and in characterization techniques such as XRD, EM, FTIR, Raman, NMR and/or XPS spectroscopies. Experience in electrochemical characterization of battery materials by cyclic voltammetry, galvanostatic charge-discharge tests and electrochemical impedance spectroscopy measurements. Basic knowledge in computation and programming (g. Fortran, Python) will be valuable. Demonstrated self-motivation and ability to work independently. A team player who can collaborate with other groups, academic and technical centres, and industries. Good verbal and written communication skills in English. Spanish is not compulsory.