**Main functions**

CIC energiGUNE is seeking an experienced/senior engineer/researcher to lead the design, characterization and stabilization of surfaces and interfaces in Li and Post-Li batteries. **Job Functions:**

- To provide technical direction and execution in the characterization and stabilization of open and buried interfaces in batteries, and all-solid-state batteries in particular.
- To develop/Adapt new or alternative characterization techniques for detailed characterization of all-solid-state batteries, in particular evolution, merging and degradation of conforming layers and interfaces. To understand chemical, electrochemical and mechanical evolution of electrode/electrolyte interfaces during battery assembly and operation.
- To development methods and electrochemical cells for the (operando) characterization of buried interfaces.
- Leadership role in various research activities, such as writing research proposals, project execution/reporting/management, writing high quality scientific research papers, and presenting research results at scientific conferences.
- To support the strategic long-term research in agreement with Scientific and Technology coordinators.
- To look after team member's hiring and professional development. Mentoring of undergraduate and graduate students.
- Experience pursuing development of intellectual property to protect technology developments and secure competitive position.

**Requisites**

- PhD in Materials Science, Chemistry, Physics, Chemical Engineering or a related field.
- Strong theoretical foundation in surface and interface characterization of battery materials. Deep understanding of interfacial structure-composition-property relationships.
- Experience in some of the following techniques: X-ray tomography, X-ray photoemission spectroscopy (XPS), X-ray photoemission electron microscopy (XPEEM), X-ray absorption spectroscopy. Experience with Li metal anodes will be highly valued.
- Basic knowledge of electrochemistry. Ability to identify and solve technical problems. Ability to clearly support and justify technical decisions based on data and results.
- Proficiency for quickly learning new skills or field of study.
- Good verbal and written communication skills in English.

**Benefits**

A permanent position that will give you a unique opportunity to continue developing a competitive Research Group. As a Group Leader you will find a flourishing scientific community conducting synergistic research in both the universities and other CIC Labs already operating in the region. A competitive basic salary augmented by important benefits such as life insurance, special conditions for a private health insurance, etc. that compare favorably with the best global private and public institutions. 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.