

Publish date May 18th 2022

Ref. 40/2022

Code:

Project: DEFINE

Area leader: Prof. Joan Ramon Morante

Group: Nanoionics and Fuel Cells

Group leader: ICREA Prof. Albert Tarancón Rubio

“Pre-doc researcher on advanced fabrication of solid state energy devices”

Description:

The Nanoionics and Fuel Cells team is a very dynamic group focusing of the development of solid-state energy conversion devices ([see link](#)) that holds a pioneering position in the development of **ceramic processing techniques** for the generation of high-temperature energy generation and storage devices. The expertise and know-how has been consolidated thanks to the participation in several European and national projects in the topic ([Cell3Ditor](#), [NewSOC](#), [UltraSOFC](#), BASE3D, HyFLHi, 3DPASSION).

We are now looking for candidates for developing new technologies of **solid-state devices** for energy storage. The developed cells and components will be characterized using advanced structural and electrochemical characterization techniques.

The candidate must have high education qualifications in fields such materials science, chemistry, physics or related. He/she will be required to count with good aptitudes for team working, flexibility, innovative thinking, initiative and problem solving skills.

Qualifications and experience required:

Essential:

The call is open to candidates from any nationalities that fulfil the following eligibility criteria:

- Hold a grade and master in the areas of Chemistry, Physics, Material Engineering & Science, Chemical engineering, and related areas.

Preferred:

- Previous experience or fundamental knowledge in topics related with the energy field, advance materials for energy, energy storage etc.
- Good communication skills; ability to communicate complex scientific information to individuals from other disciplines.
- Language required: Fluent in English

Personal Skills:

- Team Worker
- Initiative in Research and Innovation



Shaping Energy for a Sustainable Future

- Flexibility
- enjoy to solve problems and pushing the research to achieve results
- Analytical and synthesis capabilities

Required documents:

Applicants must submit the following documents by email to irecjobs@irec.cat indicate in the subject "Ref. 40/2022"

Reference:

- Curriculum Vitae, specifying the completed degree and any relevant professional experience.
- Motivation letter.
- Academic transcripts (both MSc and BSc)

Deadline: June 10th 2022

Starting date: June 27th 2022