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Project: FET Proactive- EpiStore

Area leader: Prof. Joan Ramon Morante

Group: Nanoionics and Fuel Cells

Group leader: ICREA Prof. Albert Tarancón Rubio

POSTDOC POSITION IN THIN FILMS FOR REVERSIBLE SOLID OXIDE CELLS

The Group Leader of Nanoionics and Fuel Cells is seeking a postdoctoral-level researcher to work in a European Project (FET Proactive- EpiStore) devoted to the development of breakthrough concepts for thin film Solid Oxide Cells.

Description: We are interested in a PhD with experience in materials science, especially in thin films with mixed ionic electronic conduction. The role of the postdoc in the project will consist on the development and characterization of new materials for SOFC electrolytes and cathodes and their integration in real devices. Deep knowledge in Materials Science (especially thin films) and or Electrochemistry is required.

Requirements: Professional who is highly skilled in planning and organizing. We look for people with capacity to work in a team, high flexibility and initiative and ability to innovate.

PhD in Materials Science/ Chemistry/ Physics/ Electrochemistry or similar is required. Experience in materials (especially thin film oxides), (photo) electrochemical characterization and micro-fabrication is desirable. Experience in PLD deposition techniques will be positively evaluated.

Fluent English is mandatory.

We offer: One year postdoctoral contract. Joining a team of highly qualified and motivated researchers working in the frontiers of knowledge in science and technology.

A salary commensurate with the characteristics of the candidate

Incorporation: The candidates should be available for starting March 2021

Workplace: Barcelona (IREC facilities)

Applicants should send a detailed CV and a motivation letter to Albert Tarancón, atarancon@irec.cat. Please indicate the reference “EpiStore” in the subject of your mail.