

**Publish date December 17th 2020**

**Ref. 63/2020**

**Code:**

**Project SOCFilm**

**Area leader: Prof. Joan Ramon Morante**

**Group: Nanoionics and Fuel Cells**

**Group leader: ICREA Prof. Albert Tarancón Rubio**

### **PhD in thin films for Solid Oxide Cells**

The Group Leader of Nanoionics and Fuel Cells is seeking a researcher to develop a thesis in the field of thin films for Solid Oxide Cells. The thesis will be developed under the frame of national and European projects.

**Description:** We are interested in a MSc with experience/skills in materials science. The role of the predoc in the project will consist on the development and characterization of enhanced solid oxide cells for power generation and energy storage (hydrogen generation). Deep knowledge in Materials Science, Solid State Physics and Electrochemistry is highly valuable.

**Requirements:** Highly motivated person ready to learn, work in a team, with high flexibility and initiative and ability to innovate.

Degree in Physics / Engineering / Chemistry/ Materials Science or similar is required. Experience in thin films and electrochemical characterization will be positively evaluated.

Fluent English is mandatory.

**We offer:** One-year contract (with possibility of extension up to 36 months). Joining a team of highly qualified and motivated researchers working in the frontiers of knowledge in science and technology.

**Incorporation:** The candidates should be available for starting at the beginning of 2021

**Workplace:** Barcelona (IREC facilities), [www.irec.cat](http://www.irec.cat)

Applicants should send a detailed CV and a motivation letter to Albert Tarancón, [atarancon@irec.cat](mailto:atarancon@irec.cat). Please indicate the reference “**SOCFilm**” in the subject of your mail.