



**Publish date:** November 28th 2023

**Deadline for application:** January 15th of 2024

**Ref. 2024/35**

**Project:** FASSION3D+POWERDOT

**Area:** Advanced Materials for Energy applications

**Group:** Nanoionics and Fuel Cells (131)

**Group leader:** Albert Tarancón

**PI:** Marc Torrell

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## Laboratory technician for the Nanoionics and Fuel Cell Group

### Description:

The Nanoionics and Fuel Cell Group announces a new qualified technician/researcher position in the field of development of new materials and characterisation techniques for solid state energy devices. The candidate will work as laboratory technician to support the group researchers on the development and testing of different solid state energy devices on topics such as Solid Oxide Cells and All Solid State Batteries among others. Development of new materials, optimisation of innovative deposition techniques (PLD, ALD, CVD) and ceramic 3D printing and development of setups for electrochemical and microstructural (XRD, SEM, TEM, Raman, TGA, Ellipsometry, etc...) will be some of the tasks of the candidate.

We offer a staff position (indefinite contract) to join a team of highly qualified and motivated researchers working in the frontiers of knowledge in science and technology. International collaboration with top-leading European research groups in the field.

### Qualifications and experience required:

#### Essential:

- Bachelor/Master on engineering or applied science (Materials Science or Engineering, Mechanical or Chemistry engineering, Chemistry, Physics, etc...)
- Fluent English is mandatory.

#### Preferred:

- Interest and knowledge on energy technologies, materials science, electrochemistry, catalysis, batteries and Solid Oxide Fuel Cells will be positively evaluated.
- Experience on prototyping or electro-mechanics will be positively evaluated.
- Knowledge on Python or any other programming language will be positively evaluated.

#### Personal skills:

El contrato es parte del Proyecto PID2022-142003OB-C21 financiado por MCIN/AEI/10.13039/501100011033/FEDER, UE



- A person who is highly motivated to learn, work in a team, showing high flexibility, initiative and ability to innovate.

**Required documents:**

Applicants must submit the following documents by email to [irecjobs@irec.cat](mailto:irecjobs@irec.cat); [atarancon@irec.cat](mailto:atarancon@irec.cat) and [mtorrell@irec.cat](mailto:mtorrell@irec.cat) indicate in the subject **Ref.2024/35**

**Reference:**

- Curriculum Vitae, specifying the completed degree and any relevant professional experience.
- Motivation letter.

**Offer of job position:**

We offer a position for indefinite position on the Nanoionics and Fuel Cell group.

Salaries will be paid in accordance with the IREC's salary policy, depending on the candidate's qualification and professional experience.