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**Code:**  
**Project: SolDAC**  
**Area: Advanced Materials for Energy**  
**Area leader: Prof. Joan Ramon Morante**  
**Group: Energy Storage, Harvesting and Catalysis**  
**Group leader: Prof. Joan Ramon Morante**

## **R2 Post-doc Researcher Position on electrochemical CO<sub>2</sub> conversion**

The Energy Storage and Catalysis group focuses on several research lines including the development of electrochemical devices for CO<sub>2</sub> valorization. We are looking for a post-doctoral researcher in the field of CO<sub>2</sub> conversion, to carry out activities within the “Full Spectrum Solar Direct Air Capture & Conversion” SolDAC project (Horizon Europe). The candidate will carry out multidisciplinary activities related to material synthesis, electrode preparation, and evaluation and design of a (photo)electrochemical device for CO<sub>2</sub> conversion to C<sub>2</sub> products. Moreover, the candidate will collaborate with other participant institutions, aiming to develop a proof-of-concept integrating different technologies including direct-air capture.

The tasks implementation requires knowledge on materials science and electrochemistry, while experience with up-scaling, reactor design and other engineering aspects are well considered.

The candidate must have a PhD in Chemistry, Physics, Materials Science or equivalent. Previous experience in synthesis of materials, electrode preparation and testing in electrochemical reactors will be very valuable for the position. Experience with LabVIEW, CASD and P&ID is desired.

The candidate must be capable to work in a team, flexible, innovative and with initiative to solve problems. Good verbal and written communication skills in English are required.

Applicants must send a detailed CV and motivation letter by email to [irecjobs@irec.cat](mailto:irecjobs@irec.cat) (with copy to Dr. Sebastián Murcia, e-mail: [smurcia@irec.cat](mailto:smurcia@irec.cat)), indicating “R2 Post-doc Researcher Position on electrochemical CO<sub>2</sub> conversion” in the subject.

### **Offer of job position:**

We offer a Postdoc position for 18 months. Salaries will be in accordance with the IREC's salary policy, depending on the candidate's qualification and professional experience.

**Deadline for applications: 1st March 2023:**

**Starting date: April of 2023 or as accorded**