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**Ref. 61/2022**

**Code:**

**Project: Innovative and Sustainable High Voltage Li -Ion Cells for Next Generation (EV) Batteries**

**Area: Advanced Materials for Energy**

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

**Group: Functional Nanomaterials Group**

**Group leader: Prof. ICREA Andreu Cabot**

The Functional Nanomaterials Group in the Advanced Materials for Energy Area of IREC announces a one-year predoctoral research position available for a highly motivated candidate to work in the European project Intelligent: Innovative and Sustainable High Voltage Li -Ion Cells for Next Generation (EV) Batteries.

## ***Pretdoctoral Research Position***

The Intelligent project will develop European generation 3b high voltage LIBs with increased energy density, charge acceptance and cycle-life compared to the state-of-the-art, while reducing cost and carbon footprint of the produced cells.

The candidate will focus on the synthesis of LNMO materials in aqueous media, their characterization and their use as cathode electrodes in the new LIB generation.

The candidate must have bachelor and master degrees in Chemistry, Physics, Material Science or equivalent and previous experience on the synthesis of these compounds and on the fabrication and test of LIBs.

Additional information:

- CV, personal references and a motivation letter have to be sent to Dr. Andreu Cabot (acabot@irec.cat and irecjobs@irec.cat), indicating "**Ref.61/2022**" in the subject.
- Deadline for applications: August 24th 2022, 12:00 AM (Spanish local time)
- Incorporation: October 2022
- Duration of the contract: 12 months

The recruitment process will follow the guidelines of the European Charter of Researchers. Further information can be directly obtained from: Andreu Cabot (acabot@irec.cat).