

**Publish date:** 02/09/2024

**Deadline for application:** 15/09/2024

**Ref.** 25/002

**Project and/or research field (*línia recerca oficial*):** Healingbat

**Area:** Materials

**Group:** 133

**Group leader:** Andreu Cabot

**PI:** Andreu Cabot

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## 'R[X] – [Title position]'

### **Description:**

The Functional Nanomaterials Group in the Advanced Materials for Energy Area of IREC announces a 6-month postdoctoral research position available for a highly motivated candidate to work in the European project HealingBat: Advanced sensing, monitoring and self-healing mechanisms to self-repair batteries

The Healing Bat project will develop and implement self-healing concepts and materials in the key battery components, used in conventional Li-S batteries and extrapolate the designs and concepts to develop a new class of self-healing structural batteries based on Li-S

The candidate will focus on the synthesis of self-healing cathode materials for Li-S batteries, their characterization, their use to produce coin and pouch Li-S cells and the test of their properties.

### **Qualifications and experience required:**

The candidate must have a PhD degree in Chemistry, Physics, Material Science or equivalent and previous experience in the synthesis of these compounds and the fabrication and test of Li-S batteries.

### **Required documents:**

Applicants must submit the following documents by email to [acabot@irec.cat](mailto:acabot@irec.cat).

### **Reference:**

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

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

We offer a Postdoctoral Researcher position for 6 months in the framework of the HealingBat European project.

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