![IREC - Shaping Energy for a Sustainable Future]

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

Postdoctoral Researcher Position Advagen project

The energy storage and harvesting group announces a new postdoctoral position to work in the framework of the Advagen project. The project is devoted to developing advanced next-generation solid-state batteries for electromobility applications.

We are looking for an excellent and highly motivated candidate with a PhD in Physics or similar. The candidate should have experience in electrode and Li-ion battery cell fabrication and strong ac impedance spectroscopy knowledge.

The selected candidate will focus on:

- Development of hybrid cathodes (Ni-rich oxides + solid electrolytes SE)
- Processing of cathode/SE bilayers
- Optimization of samples for high energy
- Electrochemical characterisation of samples
- Sample degradation and post-mortem analysis
- Kinetic studies for the Li+ diffusivity.
- Solid-solid interface characterization using ac impedance spectroscopy

In addition to laboratory work described above, the selected candidate will summarize results in the form of deliverables and oral presentations for the consortium and coordinate activities with other partners and IREC groups. Therefore, the candidate should have good communication and project management skills, and she/he must be fluent in English, results-oriented and a team player. It is also expected relevant project results to be published in peer-reviewed journals.

What we offer:
We offer a 2-year contract starting September 2022. The salary will be paid in accordance with the IREC's salary policy, depending on the candidate's qualifications and professional experience.

Application
Applicants must send a detailed Curriculum Vitae and a motivation letter by email directly to irecjobs@irec.cat (with copy to, jjacas@irec.cat) indicating "**Ref.53/2022**"

Deadline for applications: 26/07/2022

FUNDACIÓ INSTITUT DE RECERCA EN ENERGIA DE CATALUNYA
Jardins de les Dones de Negre, 1 – Pl. 2   08930 Sant Adrià de Besòs - Barcelona
T: +34 933 562 615 — www.irec.cat