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Code:

Project: Biomass-derived High Energy Density Supercapacitors integrated into Flexible Platforms BioCaP

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 two-year predoctoral research position available for a highly motivated candidate to work on the project BioCap: Biomass-derived High Energy Density Supercapacitors integrated into Flexible Platforms.

Pre-doctoral Research Position - Investigo

The BioCap project will develop new polymeric and carbon materials from biomass waste, environmental and cost-effective strategies for their processing, optimized manufacturing technologies for the fabrication of components and devices, high-performance energy storage, energy harvesting and sensing devices, and integrated flexible platforms.

The candidate will focus on the synthesis of carbon-based composite materials, their characterization and their use as electrodes in high-performance supercapacitors.

The candidate must have a bachelor and a master degree in Chemistry, Physics, Material Science or equivalent and previous experience in the synthesis of composites and the fabrication and test of supercapacitors.

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.98/2022**" in the subject.
- Deadline for applications: December 13th 2022, 12:00 AM (Spanish local time)
- Incorporation: December 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).