**One (1) PhD candidate position in the project**

**Gr-Pero2LiBs**

**Green Perovskites/2D Conjugates: From Materials Design to High Energy Li-ion Cells**

**Action: Basic Research Financing (Horizontal support for all Sciences),**

**National Recovery and Resilience Plan**

**(Greece 2.0)**

The Institute of Electronic Structure and Laser of the Foundation for Research and Technology Hellas (IESL-FORTH), in the framework of the project Gr-Pero2LiBs (P.I. Prof George Kioseoglou, Co-PI Dr. Athanasia Kostopoulou) Basic Research Financing (Horizontal support for all Sciences), National Recovery and Resilience Plan (Greece 2.0), Project number: 016465), funded under Hellenic Foundation for research and Innovation, is seeking to recruit one PhD candidate.

**Job Description**

Development of green perovskite-based materials (perovskite and perovskite-2D materials conjugates) as anode materials for Li-ion batteries. This project will include the design, fabrication, and characterization of the materials. Gr-Pero2LiBs project involves the validation of working-prototype anodes through relevant environments and measurements in half coin and full pouch cells. This project will be realized in collaboration with experts in electrochemical characterization in the Hellenic Mediterranean University and fabrication and evaluation of the Li-ion cells in the Democritus University of Thrace.

**Required qualifications**

* Bachelor's degree (B.Sc.) in physics, chemistry, or materials science (20%)
* Postgraduate Diploma in physics, chemistry, or materials science (30%)
* Experimental laboratory experience in materials development and characterization techniques (30%)
* Relevant publications (20%)

**Contact:** Prof George Kioseoglou (gnk@materials.uoc.gr), Dr Athanasia Kostopoulou (akosto@iesl.forth.gr)

**Location:** IESL-FORTH, Heraklion Crete GREECE

**Start Date (earliest):** 1/2/2024

**Salary:** 900 €

**Project Duration**: 12 Months with possibility of extension according to the needs of the project