

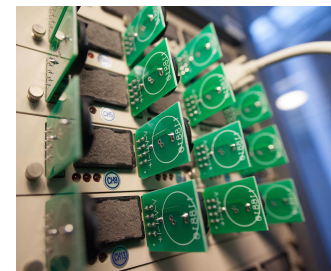
A Materials Research Science and Engineering Center Program Highlight

Jumpstarting an advanced Lithium-ion battery technology

A Cornell startup company gets a JumpStart on commercializing a high-performance nano-engineered anode material for Lithium-ion batteries. The development of this advanced anode material at Cornell University, revealed improved capacity, extended battery life and reduced recharge time, when compared to existing available materials.

Lionano Inc. (Ithaca NY), partnered with the CCMR JumpStart program for their first steps towards commercial success. The JumpStart program provided the funding necessary to purchase, prepare and test enough material to assemble several full size batteries capable of being used in electric vehicles.

Using the CCMR's world-class characterization facilities, Lionano was able to optimize the composition, and processing parameters allowing them to make commercially viable quantities of their advanced anode materials.



Electrochemical measurements revealed increased performance and safety while reducing the cost of production.



Lionano