



**Cornell University**  
**Cornell Center for Materials Research**

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## **The Cornell Center for Materials Research Announces Spring 2011 JumpStart Project Recipients**

**Ithaca, NY** - The CCMR JumpStart program funded by the New York State Foundation for Science, Technology and Innovation (NYSTAR) is designed to assist New York State small businesses develop and improve their products through university collaborations; the ultimate goal being revenue growth and job creation. JumpStart projects receive up to \$5000 in matching funds for project costs that include faculty and their research staff, facilities, services, supplies, and materials. Since its inception forty-one companies have benefited from this program. During the Spring semester four companies will participate in the following collaborations.

### **JumpStart Award Winning Companies:**

CatAssays, Rochester, NY, will collaborate with Professor Chad Lewis, Chemistry and Chemical Biology, to synthesize a tetrazolium salt precursor to a water soluble formazan dye for use in a new ultrasensitive bioassay.

Ephesus Technologies, LLC., Syracuse, NY, will collaborate with Professor Eshan Afshari, Electrical and Computer Engineering, to design an advanced radio frequency amplifier based on a gallium nitride thin film material on diamond substrates.

MCB Clean Room Solutions, LLC., Honeoye Falls, NY, will collaborate with Professor Shefford Baker, Materials Science and Engineering, to develop and characterize an aluminum nitride piezoelectric film for a micro-mechanical energy harvesting application.

NanoMason, Inc., Ithaca, NY will collaborate with Professor Tracy Stokol, Population Medicine And Diagnostic Sciences, to carryout blood viscosity measurements using micro-fabricated ultrasonic devices developed at Cornell University.

### **About NYSTAR**

The New York State Foundation for Science, Technology and Innovation (NYSTAR) is a government public-benefit corporation that supports collaborative industry/academic partnerships to foster integrated approaches for developing and commercializing innovative technologies. NYSTAR serves as a resource for small and start-up technology companies. As a member of the Governor's Task Force on Diversifying the New York State Economy through Industry-Higher Education Partnerships, NYSTAR recognizes the importance of the Jumpstart program to promote the state's innovation high-tech economy.

## About the Cornell Center for Materials Research (CCMR)

CCMR is a National Science Foundation and New York State funded interdisciplinary center at Cornell University whose mission is to advance, explore and exploit the forefront of the science and engineering of advanced materials with an aim to be a world leader in the design, control and understanding of the behavior of both crystalline and disordered nano-materials. This objective is pursued through fundamental experimental and theoretical studies of the assembly and processing of nano-materials and of their resulting behavior. Three other complementary functions complete its mission: educational outreach to K-12 teachers and students as well as to undergraduates from other institutions; industrial outreach and knowledge transfer; and the operation of Shared Facilities to support materials research on- and off-campus.

Further details about this exciting program are provided at the CCMR website (<http://www.ccmr.cornell.edu/industry/>), including how to apply for Fall 2011 projects (applications will be accepted starting in June 2011).

