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The Cornell Center for Materials Research Announces the Spring 2022 JumpStart Funded Companies

Ithaca, NY - The Cornell Center for Materials Research (CCMR) Industrial Partnerships Program is designed to help New York State's businesses access world-class capabilities; solve technical challenges; and develop and improve their products, with the ultimate goals of revenue growth and job creation.

During the 2022 Spring semester, two companies have been awarded funding to participate in the following collaborations:

- New York Embroidery Studio (New York) will collaborate with Professor Fengqi You of the Smith School of Chemical and Biomolecular Engineering. They will conduct a lifecycle assessment on the net environmental impact for new medical gowns made from biodegradable fabrics, relative to gowns made of standard polypropylene materials.
- We Are The New Farmers (New York) will collaborate with Dr. Jonathan Shu, Director of CCMR Shared Analytical Facilities, to determine the best approach to maintaining the highest nutritional and functional quality possible in frozen spirulina using cryogenic electron microscopy.

JumpStart projects receive up to \$5,000 in matching funds for project costs that include faculty and research staff, facilities, services, supplies and materials. Since the program's inception, 109 companies have benefited from this program. The program is also supported by Empire State Development's Division of Science, Technology and Innovation (NYSTAR). Small to mid-sized New York State manufacturing and research and development businesses from the following industry sectors are eligible: materials, chemistry, energy, pharmaceuticals, food and textile.

About the Cornell Center for Materials Research (CCMR)

The Cornell Center for Materials Research is a National Science Foundation and New York State funded interdisciplinary research center at Cornell University whose mission is to advance, explore, and exploit the forefront of the science and engineering of advanced materials. The CCMR pursues this objective through fundamental, experimental and theoretical studies. Three other complementary functions complete the CCMR's mission: educational outreach to teachers and students; industrial outreach and knowledge transfer; and the operation of shared instrumentation in support of materials research both on and off campus. www.ccmr.cornell.edu/industry

About Empire State Development's Division of Science, Technology and Innovation

Empire State Development's Division of Science, Technology and Innovation (NYSTAR) supports collaborative industry/academic partnerships to foster integrated approaches for developing and commercializing innovative technologies. NYSTAR serves as a resource for small and startup technology companies. For more information, please visit www.esd.ny.gov/nystar/

About New York Embroidery Studio

NYES is a Cut and sew apparel manufacturer located in the heart of NYC's Garment district. They are a high quality, detail-oriented manufacturer with 30 years of manufacturing experience. They have been making Personal Protective Equipment (PPE) for local, state, and federal government agencies since March of 2020. They are a Seven-time CFDA Fashion Manufacturing Initiative Award Winner, and are WOSB and NGLCC certified. Capabilities include product design, as well as large-scale production.

www.nyes.co

About We Are The New Farmers

We Are The New Farmers is an urban farm located in Brooklyn, NY that cultivates algae - specifically the microalgae spirulina. One of the most sustainable and nutritious food sources our planet, Microalgae are microscopic organisms that are closely related to kelp and other seaweeds. Plus, they are incredibly efficient machines that turn carbon into proteins, fatty acids, and other valuable nutrients—making them a promising form of cellular agriculture in the fight against global warming.

<https://www.new-farmers.com/>

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