

Applicant: Alcinous Pharmaceuticals, LLC

Knowledge Partner: Dr. Brenton DeBoef, Associate Professor of Chemistry at the University of Rhode Island (URI)

Location: East Providence

Industry: Pharmaceutical design

Recommended Funding: \$50,000

Innovation Project: The company, founded by three graduate students at URI, is using computer-aided drug design to build a large library of promising drug molecules that can be used in developing cancer therapies with superior efficacy and tolerability. The primary goal of this project is to prove that molecules which have already been designed using computers can be produced in a laboratory.

Applicant: CBC, LLC

Knowledge Partner: Dr. Carl-Ernst Rousseau, Chair, Department of Mechanical, Industrial and Systems Engineering and Dr. David Taggart, Professor of Mechanical Engineering, at the University of Rhode Island (URI).

Location: Warwick

Industry: Wind energy

Recommended funding: \$48,106

Innovation Project: This project would continue an existing collaboration with the Mechanical Engineering Department at URI to further advance the development of the company's power-generating wind turbine by exploring two modifications to the product. The first modification calls for test designing the replacement of metal components with those made of composites. The second modification will explore the use of telemetry recording and communication technology to remotely monitor the system. Astro-Nova, a RI company, will provide this technology.

Applicant: Modus Techwear, LLC

Knowledge Partner: Dr. Arijit Bose, professor of Chemical Engineering at the University of Rhode Island (URI)

Location: Providence

Industry: Health and Wellness (Textile Innovation)

Recommended Funding: \$50,000

Innovation Project: Each wearable device has a unique power profile based on the number of sensors, computing needs, storage requirements and wireless communication protocol. Expertise from URI will explore technologies that can be used to develop a battery designed specifically for the company's AAGILE Footwear product that measures gait and encourages increased physical activity.