State of New Jersey
COMMISSION ON SCIENCE AND TECHNOLOGY
PO BOX 832
TRENTON NJ 08625-0832

JON S. CORZINE
Governor

PETER R. RECZEK, PH.D.
Executive Director

New Jersey Commission on Science and Technology Grant Awardees
November 10, 2009

Edison Innovation R&D Fund

- **Orthogen LLC** of Springfield, NJ in the amount $500,000
  The aim of this research is to develop an improved, synthetic bone graft material with anti-inflammatory properties and bone growth factor, for use in dentistry.

- **VectraCor Inc.** of Totowa, NJ in the amount $500,000
  VectraCor has developed and patented a technology that will enhancing the cardiac monitor to actually derive the 12-22 lead ECG from the placement of the five original cardiac monitoring electrodes.

- **3D Biotek LLC** of North Brunswick NJ in the amount $195,000
  3D Biotek is an innovative, dynamic biomedical device company that will provide novel porous 3D scaffolds for stem cell research, drug discovery and tissue/organ (mainly bone and cartilage at current stage) repair and regeneration.

- **Edge Therapeutics Inc.** of Newark NJ in the amount $500,000
  Edge Therapeutics has 3 drugs to treat serious types of brain injury. Its drugs are based on a patent pending drug delivery platform technology that provides for targeted, site specific delivery to the brain of FDA-approved off-patent drugs.

- **Niiki Pharma Inc.** of Hoboken NJ in the amount $500,000
  Niiki Pharma Inc is focused on developing novel, first-in-class targeted anti-cancer compounds. NKP-1339, an anti-cancer drug in pre-clinical studies has shown to be active against tumors that are resistant to standard chemotherapies.

- **CCS Materials, Inc.** of New Brunswick NJ partnering Rutgers University, in the amount $500,000
  Low Temperature Solidification (LTS) is a new process, invented at Rutgers University by Professor Riman, This process will be used for creating ceramic materials without the need of a high temperature kiln.

- **Phoenix Labs, LLC** of Newark NJ in the amount $250,000
  Phoenix Labs has developed and validated a patent pending algorithm for precision timing synchronization. Precision timing synchronization is essential for the evolution of 3G and

4G wireless networks that will account for the most substantial growth in telecommunications industry revenue over the next decade.

- **Simphotek, Inc** of Newark NJ in the amount $250,000
  Simphotek will develop photonics simulation software for biomedical, nanotechnology, renewable energy and photonic materials markets.

Edison Renewable Energy Technologies Fund

- **InnoSepra LLC** of Bridgewater, NJ in the amount of $500,000
  The InnoSepra technology development is aimed at reducing the cost of CO2 capture significantly which will have a significant impact on overall cost of carbon capture and storage.

Technology Incubator Grants

- ACIN High Tech Incubator of Camden NJ in the amount $100,000
- Burlington High Tech Incubator and Life Science Center of Mount Laurel NJ in the amount $100,000
- Jersey City Business Development Incubator of Jersey City NJ in the amount $100,000
- New Jersey Meadowlands Business Accelerator of Lyndhurst NJ in the amount $100,000
- NJIT Enterprise Development Center of Newark NJ in the amount $300,000
- Commercialization Centre for Innovative Technology (NJEDA) of North Brunswick NJ $100,000
- Picatinny Technology Innovation Center of Dover NJ in the amount $100,000
- Rowan South Jersey Technology Park of Glassboro NJ in the amount $100,000
- Rutgers Camden Incubator of Camden NJ in the amount $100,000
- Rutgers EcoComplex of Bordentown NJ in the amount $100,000
- Rutgers Food Innovation Center of Bridgeton NJ in the amount $100,000

Incubator Collaborative Grant

- New Jersey Meadowlands Business Accelerator of Lyndhurst and the Rutgers EcoComplex Bordentown NJ with the Rutgers EcoComplex of as the lead entity, in the amount of $55,810

SBIR Bridge Grant Application

- Universal Global Products, LLC of Dover NJ in the amount $50,000
  Project Title: Boron Nanotubes for Ultra High Strength Light Weight Composites.

- Princeton Optronics, Inc. of Mercerville NJ in the amount $49,998
  Project Title: Low Noise Tunable Wavelength Laser for Fiber Optic Sensor systems.

- Neurotez Inc of Bridgewater NJ in the amount $50,000
  Project Title: Leptin as a therapy for Alzheimer's disease.

- WeVoice, Inc. of Bridgewater NJ in the amount $50,000
  Project Title: Human Interface Systems and Technologies for Spacesuits

New Jersey Technology Fellowships

- **Signum Biosciences, Inc. of Monmouth Junction with Jose Fernandez of Rutgers University**
  Signum Biosciences is a private biotechnology company dedicated to developing small molecule therapeutics derived from its Signal Transduction Modulation (STM) platform to modulate signal transduction imbalances.

Incubator Seed Fund Grant

- **Healthy Functions**, LLC of Spring Lake NJ in the amount $50,000
  Development of Mechanical Pressure Reduction Mattress : Its purpose is to prevent pressure ulcers (bedsores) on bedridden, comatose, paraplegic, and others who are neuro-muscularly disabled.

- **AcquiSci Inc** of Newark NJ in the amount $21,936
  They are developing a systemic anti-inflammatory treatment of cardiovascular diseases with underlying inflammation.

- **Bionex Pharmaceuticals, LLC** of North Brunswick NJ in the amount $50,000
  They are focusing on development of novel drug delivery technologies and specialty pharmaceuticals for smoking cessation therapy, and for oral yeast infection treatment.

- **Actinobac Biomed, Inc** of North Brunswick, NJ in the amount $49,984
  The project is the preparation and analysis of Leukotoxins for the treatment of diseases.

- **Switch2Health Corp** of North Brunswick NJ in the amount $50,000
  S2H will implement enhancements to the algorithm, perform data collection and analysis of their patent and engage in a field trail with school-age children, in their development of a specialized activity sensor to motivate individuals to be physically active.

- **Unified Control Technology Corp**. of Bordentown NJ in the amount $50,000
  Unified Control Technology Corporation (UCTC) proposes to design and build a pilot process that will demonstrate pH control for wastewater effluent treatment in the process industry.