

Pennsylvania Initiative for Nanotechnology

> ready > set > innovate

Pennsylvania is emerging as a world leader, continuing the commitment to expand the field of nanotechnology. With cutting-edge research by world-renowned scientists and interdisciplinary teams working together to create research centers, Pennsylvania is conducting some of the most advanced materials research involving nanotechnology in the United States and beyond. Using worldwide forecasts, Pennsylvania is projected to produce at least \$7.75 billion worth of nanotechnology products by 2015.

Currently, the Pennsylvania Department of Community & Economic Development (DCED) has been working with Pennsylvania's Institutions of Higher Education (IHEs), economic development organizations, and more than 125 companies to form the Pennsylvania Initiative for Nanotechnology (PIN). From 1999-2010, the Commonwealth has committed more than \$88.2 million in funding to nanotechnology initiatives throughout PA, which has leveraged an additional \$676.7 million in private, university and federal funding for work in nanotechnology and related areas.

The primary strategies for PIN are focused on:

- Developing consortia-driven, educational and workforce development programs,
- Increasing commercialization of nanotechnology applications and processes through collaboration, and
- Increasing technology transfer and enhancing university-based resources and skills.

To date, PIN has funded projects including:

- Nanotechnology Institute (NTI)
- Lehigh University Nanophotonics Technologies
- Pennsylvania Nanofabrication Manufacturing Technology (NMT) Partnership
- Lehigh University Pennsylvania Materials Research Science and Engineering Center
- Penn State Advanced Materials and Nanotechnology Research and Commercialization Program
- Pennsylvania Nanomaterials Commercialization Center

DCED welcomes the opportunity to partner with nanotechnology organizations and stakeholders throughout the Commonwealth. The Ben Franklin Technology Development Authority's University Research Commercialization Grant Program is a grant funding initiative to develop the nanotechnology economic and workforce infrastructure for the future.

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