



## Sparking Economic Growth 2.0 & Pennsylvania

*Companies Created from Federally Funded University Research, Fueling Innovation and Economic Growth*

This report by [The Science Coalition](http://www.sciencecoalition.org) illustrates one of the many returns on investment of federally funded research: the creation of new companies. *Sparking Economic Growth 2.0* highlights 100 companies that trace their roots to federally funded university research and their role in bringing transformational innovations to market, creating new jobs and contributing to economic growth.

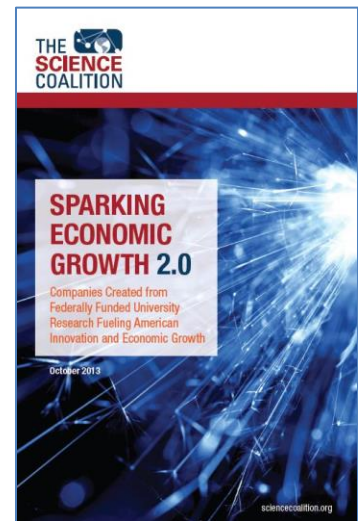
The 100 companies highlighted in *Sparking Economic Growth 2.0* were self-selected by the member universities of The Science Coalition and are illustrative of the many companies created from federally funded university research, as well as of the far-reaching paybacks on federal research funding. The total investment in the fundamental university research that formed the basis for the companies was approximately \$330 million\*. This funding was provided by eight federal agencies over the course of many years or even decades. The 100 companies are headquartered in 26 states, including six in Pennsylvania:

CytoVas, LLC	University of Pennsylvania
Graphene Frontiers	University of Pennsylvania
Melanovus Oncology	Pennsylvania State University
Octagen Corporation	Emory University
RightCare Solutions, Inc.	University of Pennsylvania
Strategic Polymers Inc.	Pennsylvania State University

*Sparking Economic Growth 2.0* is a companion report to *Sparking Economic Growth: How Federally funded university research creates innovation, new companies and jobs*, released in 2010. That report also identified 100 companies that trace their roots to federally funded university research, including five located in Pennsylvania:

Avid Radiopharmaceuticals, Inc. (part of Eli Lilly and Company)	University of Pennsylvania
BioNanomatrix, Inc. (now BioNano Genomics)	Princeton University
MicroMRI, Inc.	University of Pennsylvania
Tetralogic Pharmaceuticals	Princeton University
VGX Pharmaceuticals (part of Inovio Biomedical)	University of Pennsylvania

The *Sparking Economic Growth 2.0* report is available at [www.sciencecoalition.org/successstories/](http://www.sciencecoalition.org/successstories/) along with a sortable database of companies from both reports.



*The Science Coalition is a nonprofit, nonpartisan organization of more than 50 of the nation's leading public and private research universities. It is dedicated to sustaining the federal government's investment in basic scientific research as a means to stimulate the economy, spur innovation and drive America's global competitiveness. Learn more about The Science Coalition at [www.sciencecoalition.org](http://www.sciencecoalition.org).*

\* Funding estimates are available for 91 out of 100 companies. The estimates reflect the amount of federal funding that helped support the initial university research that gave rise to the company.