

For Immediate Release
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Ohio Third Frontier Approves More Than \$948,000 to Support Ohio-born Technology

COLUMBUS – Today the Ohio Third Frontier Commission recommended \$948,109 in funding through the Ohio Third Frontier Technology Validation and Start-up Fund. The Fund promotes the commercialization of Ohio technologies developed by the state's institutions of higher education.

“Ohio's institutions of higher education are on the forefront of research that can provide a sizable economic benefit to Ohio companies,” said Christiane Schmenk, Director of the Ohio Department of Development and Chair of the Ohio Third Frontier Commission. “Anything we can do to bring these life-changing technologies to Ohio start-up companies will have a direct impact on job creation and further position Ohio as a leader in innovative technology.”

The goal of the **Ohio Third Frontier Technology Validation and Start-up Fund** is to create greater economic growth in Ohio-based start-up companies that commercialize technologies developed by Ohio institutions of higher education. The Fund has been designed to support these protected technologies that require validation/proof and will directly impact and enhance both the commercial viability and support for the young and start-up companies licensing these validated/proven technologies.

Fiscal Year 2012 Ohio Third Frontier Technology Validation Start-up Fund

Case Western Reserve University, located in the City of Cleveland (Cuyahoga County), was awarded \$50,000 for its project, *Development of Novel Tools for Health IT-GEINA*. The project will develop unique software based on a systems biology approach that will enable better drug development and approval pathways.

Design Flux Technologies, LLC, located in the City of Aurora (Portage County), was awarded \$100,000 for its project, *Advanced Battery Management Algorithm for a Unified Energy Management System*. The technology will be licensed from the University of Akron. The project will develop prototypes to be tested by battery manufacturers that will extend the life of rechargeable batteries by managing energy flow to prevent damage to the cells.

ECO2Capture of Ohio, Inc., located in the City of Athens (Athens County), was awarded \$100,000 for its project, *Demonstration of Advanced Polymer Membranes for Algal Growth Enhancement*. The technology will be licensed from Ohio University. The project will develop and demonstrate a polymer membrane system that can significantly increase algal growth for use in the CO₂ capture and biofuel markets.

GraphSQL LLC, located in the City of Streetsboro (Portage County), was awarded \$100,000 for its project, *SuperGraphSQL: A Unified SQL and Graph Analytic Engine for Massive Graph Analysis*. The technology will be licensed from Kent State University. The project will develop and demonstrate a software system supporting graph data analysis for massive relational databases.

Kent State University, located in the City of Kent (Portage County), was awarded \$48,109 for its project, *Controlled Cracking of ITO on Plastic Substrates*. The project will demonstrate commercial

viability of a manufacturing method for use in producing flexible electronics.

Kent State University, located in the City of Kent (Portage County), was awarded \$50,000 for its project, *iLidRX – Interoperating Medication Container for mHealth Management of Chronic Illnesses*. The project will complete a system for managing patient compliance in both clinical trials and the treatment of chronic diseases.

Obgenex, Inc., located in the City of Columbus (Franklin County), was awarded \$100,000 for its project, *Autoregulatory Molecular Therapy for Obesity*. The technology will be licensed from The Ohio State University. The project will involve a proof of concept study for the potential obesity therapy, which is needed before development partners commit the funds needed for larger scale trials.

Ohio University, located in the City of Athens (Athens County), was awarded \$50,000 for its project, *Trajectory Tracking Flight Controller by Trajectory Linearization*. The project will complete development and testing of an advanced flight controller for unmanned aerial vehicles (UAVs).

OsteoDynamics, Inc., located in the City of Cincinnati (Hamilton County), was awarded \$100,000 for its project, *Commercial Development of an Osteoporosis Diagnostic Device*. The technology will be licensed from the University of Cincinnati. The project will develop a commercial prototype of new diagnostic technology to measure osteoporosis.

pH Matter, Inc., located in the City of Columbus (Franklin County), was awarded \$100,000 for its project, *Commercialization of Enhanced Cathodes for Electrochemical Applications*. The technology will be licensed from The Ohio State University. The project will scale up production of carbon nanotube fibers that can provide a cost-effective replacement for precious metal cathodes in batteries and fuel cells.

University of Akron, located in the City of Akron (Summit County), was awarded \$50,000 for its project, *Polyisobutylene Based Elastomeric Coating for Wound Healing and Closure*. The project will develop new wound closure glue that will be flexible, allowing for use in wound areas where current products cannot be utilized.

University of Akron, located in the City of Akron (Summit County), was awarded \$50,000 for its project, *Shape Memory Alloy Thermal Energy Harvesting*. The project will develop a prototype device that harvests waste heat energy by converting it to mechanical motion through a shape memory alloy device.

University of Toledo located in the City of Toledo (Lucas County), was awarded \$50,000 for its project, *Plasmonic Based BioMarker Sensing Technology*. The project will develop a prototype for measuring biomarkers with the first device targeted in the diabetes market.

Ohio Third Frontier, an unprecedented and bipartisan commitment to create new technology-based products, companies, industries, and jobs, has attracted more than \$6.6 billion in other investments to Ohio, and has a nearly 9:1 return on investment since its inception. The Ohio Third Frontier has also assisted in the creation and retention of more than 79,000 direct and indirect jobs for Ohioans. For more information, visit ohiothirdfrontier.com. For more information on Ohio's entrepreneurship activities, visit www.hivelocitymedia.com.

Working with partners across business, state and local governments, academia, and the nonprofit sector, the **Ohio Department of Development** works to attract, create, grow, and retain businesses through competitive incentives and targeted investments. Engaged every day in marketing, innovating, investing, and collaborating, the **Ohio Department of Development** works to accelerate and support the teamwork that is necessary for success by providing financial, informational, and technical assistance to those making an investment in Ohio's future.

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Media Contact: Katie Sabatino at (614) 466-6212
or the Communications and Marketing Office at (614) 466-2609

Office of Communications & Marketing • 77 South High Street • P.O. Box 1001 • Columbus, Ohio 43215 • U.S.A. • 614 | 466 2609

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