

## Nine Northeast Ohio technology organizations get grants from Third Frontier Commission

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A state commission awarded \$40.1 million in Third Frontier grants Tuesday to 15 organizations, including nine in Northeast Ohio, that are developing new and innovative technologies.

The bulk of the money -- \$23 million -- is going to five Northeast Ohio-based organizations doing biomedical research.

**Arterioocyte Inc.** in Cleveland is slated to receive \$4.9 million to develop stem cell therapeutics to treat cardiovascular disease and other conditions.

**Case Western Reserve University** was approved for \$5 million to operate the Center for Stem Cell and Regenerative Medicine, which develops stem cell technologies.

**ViewRay Inc.** in Oakwood was approved for \$5 million to develop a radiation technology that better targets tumors.

**ChanTest Corp.** in Cleveland was approved for \$4.8 million to expand their services that help biotech companies develop pharmaceuticals.

**The Cleveland Clinic Foundation** was recommended for \$3.4 million to develop a product that helps surgeons place shoulder, hip and knee joint replacement implants.

In the physical sciences, **Kent Displays Inc.** in Kent was approved for a \$4.9 million research grant to develop a color-changing liquid crystal electronic skin for mobile electronics.

Zyvex Performance Materials Inc. and Hyper Tech Research Inc. in Columbus also received research grants.

The Third Frontier Commission also approved \$2.1 million in grants for six companies that are developing up-and-coming products, including three in Northeast Ohio. Each received a \$350,000 award.

**Western Robotics** in Kirtland is working to bring to market an automated system that finishes and polishes jet engine turbine blades, a job that is usually done by hand.

**Kelly Aerospace Thermal Systems LLC** in Willoughby makes advanced heating elements that melt ice from wind turbines. The state said the system can increase the power output of a wind turbine by as much as 10 to 15 percent.

**ACME Express Inc.** in Cleveland has created a software tool that coordinates medical staff scheduling over a network.

Nanotek Instruments in Dayton, Performance Polymer Solutions Inc. in Moraine and Brighton Technologies Group Inc. in Cincinnati also received awards.

The commission also awarded a \$1 million grant to Crown Equipment in New Bremen as part of its Fuel Cell Program, which aims to advance fuel cell research and production in Ohio. The company is developing a

fuel-cell-powered forklift.

All of the grants will require final approval by the state Controlling Board, which oversees state funds.

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