

OKLAHOMA INNOVATIONS – OCAST'S OFFICIAL NEWSLETTER

SUMMER 2017

OCAST



Summer 2017 Newsletter

INNOVATIVE OKLAHOMA COMPANIES FEATURED IN THE OKLAHOMAN

- [Oklahoma City companies develop therapeutics, test them for safety](#)
- [TechJOYnT puts the JOY into tech-based education for children](#)
- [Enid Food Forum shows it's a high-tech world down on the farm](#)
- [OKC-based US Roasters puts high-tech spin on new coffee roasting machines](#)
- [Tactical Electronics aims for safety for police, military](#)
- [Quality assurance is 'an absolute' at Owasso's Advanced Cos.](#)

OCAST PROVIDES FUNDING FOR 51 PROJECTS, PAVING THE WAY FOR FURTHER ECONOMIC GROWTH AND DIVERSIFICATION IN OKLAHOMA'S ECONOMY



OCAST, the Oklahoma Center for the Advancement of Science and Technology this week awarded \$5,417,965 for 41 research and development projects that include innovations in energy, aerospace, agriculture, weather, health and other critical industries. "The quality of applications we received this year demonstrate that Oklahoma's research and development capacity continues to grow," stated Dan Luton, director of programs for OCAST.

In addition to awarding funding for research and development projects, OCAST also awarded 10 internship projects through the Intern Partnerships program. The Intern Partnerships program is designed to serve as a bridge between Oklahoma's universities and innovative firms across the

state. Through participation in project-based experiential learning opportunities, these students will be better prepared to enter into the workforce upon the completion of their degrees.

OCAST programs are designed to grow and diversify Oklahoma's economy, and the awards made today reflect Oklahoma's commitment to expanding its technology-based economy. "Oklahoma has shown a significant commitment to growing and diversifying our economy," according to C. Michael Carolina, executive director of OCAST. "Succeeding in the knowledge economy requires strong public-private partnerships as exhibited through Oklahoma's Innovation Model (the partnership between OCAST, i2E, the Oklahoma Manufacturing Alliance and OSU's New Product Development Center). Through OCAST, Oklahoma continues to be a leader in investing in high-tech firms and supporting game changing research and development."

Successful applicants and their organizations follow:

Health Research Program

Dean Dawson	Oklahoma Medical Research Foundation
Kenneth Humphries	Oklahoma Medical Research Foundation
Matt Alderson	Oklahoma State University
Jennifer Craven	Oklahoma State University
Shitao Li	Oklahoma State University
Daniel Lin	Oklahoma State University
Ashish Ranjan	Oklahoma State University
Ashlee Ford Versypt	Oklahoma State University
Joanne Davis	University of Tulsa
Christina Bourne	University of Oklahoma
Anthony Burgett	University of Oklahoma
Binrui Cao	University of Oklahoma
Shaorong Liu	University of Oklahoma
Rakhi Rajan	University of Oklahoma
Archana Unnikrishnan	University of Oklahoma
Kelly M Standifer	University of Oklahoma College of Pharmacy
Vibhudutta Awasthi	University of Oklahoma Health Sciences Center
Bethany Hannafon	University of Oklahoma Health Sciences Center
Lynn Jeffries	University of Oklahoma Health Sciences Center
Hongliang Li	University of Oklahoma Health Sciences Center
Sangphil Oh	University of Oklahoma Health Sciences Center
Ann Louise Olson	University of Oklahoma Health Sciences Center
Weidong Wang	University of Oklahoma Health Sciences Center
Jian Xu	University of Oklahoma Health Sciences Center
Andriy Yabluchanskiy	University of Oklahoma Health Sciences Center

Oklahoma Applied Research Support Program

Aaron Dossey	All Things Bugs LLC
Jay Martin	Martin Bionics
Christian Bach	Oklahoma State University
Timothy Bowser	Oklahoma State University
Raj Singh	Oklahoma State University
Liuling Yan	Oklahoma State University
Badia Koudsi	Optecks LLC

Kedar Pai	Plasma Bionics LLC
Siamack Shirazi	University of Tulsa
Mark Yeary	University of Oklahoma Advanced Radar Research Center
Oklahoma Plant Science Program	
Henry Adams	Oklahoma State University
Omkar Joshi	Oklahoma State University
Ellie Phuong Nguyen	Oklahoma State University
Million Tadege	Oklahoma State University
Jiangqi Wen	Samuel Roberts Noble Foundation
Hani Girgis	University of Tulsa
Intern Partnership Program	
Jason Wickham	Northwestern Oklahoma State University
Badia Koudsi	Optecks LLC
Jacob Henderson	Spiers New Technologies
Kaveh Ashenayi	University of Tulsa
Kaveh Ashenayi	University of Tulsa
Kaveh Ashenayi	University of Tulsa
Peter Hawrylak	University of Tulsa
Surendra Singh	University of Tulsa
Keith Symcox	University of Tulsa
Evgueni Kadossov	XploSafe LLC

2017 LEGISLATIVE WRAP-UP

This year's legislative session ended with some good news and some bad news for OCAST. The bad news is that OCAST received a decrease in appropriations from \$14,110,140 to \$13,422,892. This new appropriation level is on top of a nearly 30 percent reduction since 2008. Now for the good news. As you may be aware, OCAST makes multiple year awards. Generally, when we make an award we place the out year funding commitment into what is known as a revolving fund. The funds are obligated and committed but subject to transfer by the legislature. This year OCAST worked diligently to convey the importance of living up to our funding commitments. The legislature, recognizing the value OCAST brings to the state, concurred and left our revolving fund intact. This allowed OCAST to keep the impact of the funding cuts on our programs to a minimum.

As we prepare for next year's session, OCAST will be focused on three priorities. The first is restoring our funding to meet growing demand. The second will be exploring financial inducements to spur angel and venture investment in the state. The third will be exploring dedicated funding sources to help foster a better climate for technology-based economic development. Next year's legislative session will most likely be a challenging one. If you would like to get involved, please reach out to Chad Mullen (chad.mullen@ocast.ok.gov) to learn more.

OCAST CELEBRATES SCIENCE AND TECHNOLOGY MONTH



Oklahoma Science and Technology Month was celebrated during the month of April. OCAST was recognized as the state's agency for science and technology and an official proclamation was received from the governor.

In honor of Science and Technology Month, OCAST sent out approximately 1300 award recognitions to middle and high school students from around the state. These awards were sent to students who completed classes in science, technology, engineering and math (STEM).

Numerous students from across the state were also recognized and highlighted on the OCAST website as being a "STEM Student of Excellence." These students were nominated by their teachers for going above and beyond for their work in math or science.

FIRST ANNUAL TULSA MANUFACTURER NETWORKING LUNCHEON HELD AT TULSA TECH HEALTH SCIENCES CENTER



Close to 40 representatives of manufacturing companies and regional resource partners gathered at an event on June 1, 2017 at Tulsa Tech – Health Sciences Center.

The goal of the luncheon was to create an environment where manufacturers could talk to their peers about regional collaboration, technology application, peer-to-peer sales and challenges they may be facing.

Representatives from Hoss Pumps and MESA Products were the lunchtime speakers. Hoss Pumps designs and fabricates horizontal pump systems and MESA Products provides corrosion control and pipeline integrity solutions.

Sponsors for the event included the Oklahoma Manufacturing Alliance, Tulsa Regional Chamber, Tulsa Technology Center, Cherokee Nation Businesses and OCAST.

Future manufacturing events will be held around the state, watch for more information to be announced soon.

UPCOMING EVENTS

Oklahoma Manufacturing Alliance ExporTech Summer Series

July 18, August 22, September 19

Meridian Technology Center, Stillwater

www.okalliance.com/registration

New Product Development Center Show-N-Go Event

July 18, 10 am - 3 pm

Helmerich Research Center, Tulsa

To register contact Tammy at 405-744-8727

<http://npdc.okstate.edu>

UAS Business & Contracting Symposium

August 8, 2 pm - 5 pm

Networking Reception: 5:15 pm - 6:30 pm

Metro Technology Center

Business Conference Center, Oklahoma City

www.metrotech.edu/uassymposium

Lunch & Learn: Continuous Innovation for Manufacturers

August 11, 11:30 am - 1 pm

Moore Norman Technology Center, Norman

www.okalliance.com/registration