

METRICS FY17

WSU RESEARCH INCOME:

\$90.5 MILLION

TOTAL CONTRACTS/AWARDS: **860**

IP DISCLOSURES RECEIVED:

2013: **16**

2014: **22**

2015: **41**

2016: **25**

2017: **43**

IP DISCLOSURES RECEIVED BY DEPARTMENT FOR FY17:

EDUCATION: **3**

ENGINEERING: **10**

LAS: **7**

FINE ARTS: **8**

NIAR: **5**

ATHLETICS: **2**

CENTER TO COMBAT HUMAN TRAFFICKING: **1**

PROVISIONAL PATENTS FILED:

2013: **3**

2014: **4**

2015: **11**

2016: **4**

2017: **11**

PATENT APPLICATIONS FILED:

2013: **2**

2014: **3**

2015: **9**

2016: **5**

2017: **9**

INNOVATION FUND AWARD MONEY

PRESENTED: **\$6,600** AWARDED TO

6 STUDENT/FACULTY/STAFF TEAMS

WSU | VENTURES

WHO WE SERVE

We aid WSU **faculty, staff and students** by working to help them advance, protect and license ideas and intellectual property.

We connect **industry, external inventors, entrepreneurs and investors** with WSU's expertise and resources.

WSU STRATEGIC PLAN GOALS: HOW WSU VENTURES PLAYS A ROLE

➤ GUARANTEE AN APPLIED LEARNING OR RESEARCH EXPERIENCE FOR EVERY STUDENT BY EACH ACADEMIC COLLEGE.

Increased collaboration with industry and student involvement in startups and technology development increases opportunities for applied learning.

➤ PIONEER AN EDUCATIONAL EXPERIENCE FOR ALL THAT INTEGRATES INTERDISCIPLINARY CURRICULA ACROSS THE UNIVERSITY.

WSU Ventures encourages cross-departmental collaboration. Many projects require student, faculty and/or staff expertise in multiple disciplines.

➤ CAPITALIZE SYSTEMICALLY ON RELEVANT EXISTING AND EMERGING SOCIETAL AND ECONOMIC TRENDS THAT INCREASE QUALITY EDUCATIONAL OPPORTUNITIES.

WSU Ventures actively seeks opportunities and strategic partnerships to increase funding for strategic programs and engage the university community in relevant outcome-producing events and programs.

➤ ACCELERATE THE DISCOVERY, CREATION AND TRANSFER OF NEW KNOWLEDGE.

This is what drives everything we do!

➤ EMPOWER STUDENTS TO CREATE A CAMPUS CULTURE AND EXPERIENCE THAT MEETS THEIR CHANGING NEEDS

WSU Ventures actively seeks to empower students and engage them in programs that meets their needs.

➤ BE A CAMPUS THAT REFLECTS--IN STAFF, FACULTY AND STUDENTS--THE EVOLVING DIVERSITY OF SOCIETY.

We seek to provide opportunities for all members of our diverse faculty, staff and student population.

➤ CREATE A NEW MODEL OF ASSESSMENT, INCENTIVE AND REWARD PROCESSES TO ACCOMPLISH OUR VISION AND GOALS.

To help create a university community that is not only driven by academic credentials, but also industry engagement and technology-based commercialization, WSU Ventures programs provide incentives for students, faculty and staff to engage in these market driven activities.

SHOCKER INNOVATION CORPS



**PARTICIPATING
TEAMS: 29** YEAR 1

SUMMER 2016: 12
FALL 2016: 8
SPRING 2017: 9

**GRAD/UNDERGRAD
DEMOGRAPHICS:**

69%

UNDERGRAD

31%

GRADUATE

STARTUPS FORMED: 6

- VY TAL
- MOBILE CAR TUNE
- PINOLE BLUE
- LAWN BUDDY
- ENSO CONTEXTUAL BEHAVIORAL INNOVATIONS
- WORDPRINT PROJECT FROM PROFESSORS OF PEACE



ENSO

TEAMS THAT SECURED ADDITIONAL FUNDING: 8

TEAMS PURSUING SBIR OPPORTUNITIES: 3

FACULTY IP TEAMS: 2

**TEAMS THAT HAVE GONE ON TO WIN
ADDITIONAL COMPETITIONS:**



• **ILLUMINATE** by Nicole Zimmerman, Gina LeBar and Shauntel Pearson – InnovateHer: Innovating for Women Business Challenge Semifinalist

• **LAWN BUDDY** by Steven Werner – WSU Jumpstart Kansas Entrepreneurs Competition, Get Started Wichita Competition, Shocker New Venture Competition 2016 (2nd)

• **MAGICA HIP RETRACTOR SYSTEM** by Caylin Wiley, Fanny Ochoa, Gisela Guzman and Maria Valbuena - Kansas Entrepreneurship Challenge (2nd Chance Round)

• **MOBILE CAR TUNE** by Jocelyn Galicia and Ernesto Cisneros – Kansas Entrepreneurship Challenge (2nd Chance Round), Shocker New Venture Competition (3rd)

• **PINOLE BLUE** by Levi Iseman and Eddie Sandeval – Shocker New Venture Competition (1st)

• **VY TAL** by Jared Goering, sophomore, and Spencer Steinert, freshman – Kansas Entrepreneurship Challenge (2nd), WSU Jumpstart Kansas Entrepreneurs Competition, Shocker New Venture Competition (4th)

• **WORDPRINT PROJECT FROM PROFESSORS OF PEACE**, by Johnna Crawford, graduate student – WSU Jumpstart Kansas Entrepreneurs Competition



In 2016, Wichita State was designated as a National Science Foundation (NSF) I-Corps site. The Shocker Innovation Corps nurtures and supports Wichita State entrepreneurial teams interested in transitioning their STEM ideas, devices, processes or other intellectual activities into the marketplace in anticipation of profit. As part of the I-Corps commercialization initiative, Shocker Innovation Corps provides up to \$2,150 per team for 30 teams each year.

QUOTES:

“ My summer in the I-Corps program helped me identify needs of potential clients before I even had a developed product. It was incredibly helpful in connecting me to the business and Shocker communities. I-Corps helped me learn what departments on campus have resources I needed and introduced me to many people that have made my own research and business possible. ”

– Johnna Crawford

“ If you have an idea or want to launch a business, your first step needs to be going through I-Corps so you can get your customer validation. Being at WSU and being a National Science Foundation program has helped us tremendously as far as showing people what we've been able to accomplish since we've started which adds even more credibility for us going forward and ultimately led to people trusting us to not only invest, but to partner with us as we developed our program. ”

– Steven Werner

FUTURE GOALS

- STRENGTHEN ROAD TO NATIONAL TEAMS
- ENHANCE MENTOR RECRUITING
- IDENTIFY HIGH-POTENTIAL TECHNOLOGY ENTREPRENEURIAL LEADS
- FURTHER LEVERAGE TECHNOLOGIES FROM TECHNOLOGY DISCLOSURE PORTFOLIO

JUMPSTART

WSU Ventures, through funding made possible by the Kansas Department of Commerce, awarded six teams with **\$10,000** each to advance and commercialize technology-based projects. All of the awarded teams are continuing to develop their businesses.

CHEM-BLADE from Eck Fabrication,
Ethan Eck

ESP-DLUX Automated Germicidal Light Infection Control System from Elevated Health Systems
Ann DuPuis

Mobile App and Web Based Lawn and Snow Removal services from **Lawn Buddy**
Steven Werner

Health care monitoring system from **Mobile Health Link**
Chris Deck

Wordprint Project from **Professors of Peace**
Johnna Crawford, graduate student

Next generation adhesive athletic wearable from **Vytal**
Jared Goering, sophomore, and Spencer Steinert, freshman

JumpStart KANSAS
ENTREPRENEURS

CENTER FOR ENTREPRENEURSHIP | WSU VENTURES PARTNERSHIP

E-LAUNCH | SHOCKER I-CORPS CONNECTION



CUSTOMER VALIDATION

3 hours on Friday afternoon, **6 sessions** over **8 week period**, offered **3x per year**

- **Six months** of program support and referrals to ecosystem partners.
- Funding related to customer discovery research and prototyping costs

E-LAUNCH TRAINING PROGRAM

- ➔ **GOAL:** Foster entrepreneurial activity that will lead to the commercialization of market-driven innovative products or services.
- ➔ **STRUCTURE:** E-Launch is a six session program held over the course of eight weeks. Each team is responsible to conduct at least 25 customer interviews during the course of the program.
- ➔ **OUTPUT:** Participants report out to the class on their interview findings twice during the course of the program, during the third session and the final session.

VENTURES INDUSTRY-SPONSORED RESEARCH

MISSION:

- ➔ Match the research and development needs of industry
- ➔ Support the innovation and development of new products, services, and intellectual property



OPPORTUNITIES:

- ➔ WSU hub for industry R&D and project needs
- ➔ Ability to engage and promote all WSU capabilities
- ➔ Applied Learning: direct interaction between students, professors & researchers, and industry solving real-world problems that can be brought into the classroom
- ➔ Fill Needs of Industry: Capability Gaps, Time Requirements, Cost
- ➔ Industry-funded academic research boosts innovation.
- ➔ Industry turns to universities to investigate areas outside their core strength

VENTURES INDUSTRY-SPONSORED RESEARCH

VISR PROCESS:

