Research at the University of Michigan

S. Jack Hu
Vice President for Research
The University of Michigan Office of Research advances the excellence and integrity of research, scholarship, and creative activity across all three campuses by fostering new research and providing a range of central services in support of the research enterprise.
FY 2015 Results

NUMBER OF AWARDS: +9.12%

VALUE OF AWARDS: +7.11%

Expenditures: $1.3B

7th Straight Year Over $1.0B

NUMBER OF SUBMISSIONS: +9.58%

VALUE OF SUBMISSIONS: +8.38%
FY 2016 Trends (Through December)

- **Number of Awards**: +3.38%
- **Value of Awards**: +2.39%
- **Expenditures**: $689M +3.96%
- **Number of Submissions**: -5.80%
- **Value of Submissions**: -3.48%
Diversifying Sources of Research Funding

INDUSTRY
• Relationships with 1,200 companies through Business Engagement Center
• Research expenditures up 17.5% to a record $78 million
• Philanthropic contributions up by 2.7% to $38 million

FOUNDATIONS
• $60 million in 2015
Tech Transfer

- 160 Patents Issued - New Record
- 164 License/Option Agreements - New Record
- 19 New Business Startups - New Record
- $78M Revenue - New Record
- 422 New Invention Reports
Supporting Faculty Productivity

**Advanced Research Computing**
- Programs and services supporting computational research and discovery
- Platform for outreach to industry and government
- Home of Data Sciences Initiative

**Research Ethics and Compliance**
- Expediting the growing number of processes required to comply with regulations

**Office of Research and Sponsored Projects**
- Implementing continuous improvements in research administration processes
- Improved customer satisfaction from 78% to 92% since FY2013
Interdisciplinary Research Initiatives

Data Science Initiative

• Underlies progress in virtually all fields
• $100 million investment
• Special focus in transportation, health, learning analytics, and social sciences

Mcity

• World’s first facility designed expressly to test the potential of connected, automated, and autonomous vehicles
• 55 industry partners at the Mobility Transformation Center
Mcubed — Feeding the Pipeline

Unique seed-funding program to spark innovative interdisciplinary research

First round in Fall 2012

• 222 new projects
• 700 faculty from all schools and colleges
• Led to $33 million in new external grants

Second round in Fall 2015

• Funding for 225 projects
• Expanded to include industry
• Expanded to Dearborn campus
Opportunities

• Develop larger scale projects that build on innovative partnerships and interdisciplinary strengths
• Seek more funding from foundations
• Pursue philanthropic gifts for research
• Develop more international partnerships
• Strengthen industry outreach
• Expand clinical trials
• Streamline proposal submission process and improve faculty productivity