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 2016 Results

**NUMBER OF AWARDS:**
+3.60%

**VALUE OF AWARDS:**
+14.77%

**NUMBER OF SUBMISSIONS:**
-3.52%

**EXPENDITURES:**
7th straight year
$1.39B
A 7.2% increase to a new record

**VALUE OF SUBMISSIONS:**
+0.42%
FY 2017 Results (Through December)

NUMBER OF AWARDS: +0.94%

VALUE OF AWARDS: -1.88%

EXPENDITURES: $738M +7.19%

NUMBER OF SUBMISSIONS: +7.47%

VALUE OF SUBMISSIONS: +39.79%
Diversifying Sources of Research Funding

**INDUSTRY**
- Ongoing relationships with 1,200 companies
- Research expenditures up 8.6% to a record $85.3 million
- Philanthropic contributions up by 43.6% to $54.4 million

**FOUNDATIONS**
- $59 million in awards
Public-private interdisciplinary research partnership to lay the foundations for a revolutionary ecosystem of connected and automated vehicles that will dramatically improve safety, sustainability, and accessibility

- 17 Leadership Circle members
- 51 Affiliate Members
- Federal, state, and local government partners
- Mcity test facility formally opened in FY 2016
Data Science Initiative

Develop new ways to improve the techniques for handling “big data” and apply them to challenging problems

- Connected and automated vehicles
- Personalized Medicine
- Online survey research
- Learning analytics
Exercise and Sport Science Initiative (ESSI)

Collaboration of several U-M schools and colleges, Michigan Athletics, and industry partners to optimize the physical performance and health of athletes and exercisers of all ages and abilities

- Sport technology R & D
- Data Science & Analytics
- Optimal Performance
Opportunities

- Develop more large-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