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This report summarizes the overall trends in research activity across all three campuses of the University of Michigan from July 1 through July 31, 2017.

Figure 1 shows that total research expenditures through the first month of fiscal year 2018 are ahead of the previous year by 10 percent. Note that total research expenditures in fiscal year 2017, which closed on June 30, reached a record high of \$1.4 billion.

As shown in Figure 2, the total number of research submissions are behind last year's pace by 10.8 percent. Figure 3 shows the value of those submissions are down 6.8 percent compared to July 2016.

Figures 4 and 5 show the number of new research awards are down 5.5 percent, and their value has decreased by 7.3 percent when compared to the first month of the previous fiscal year.

S. Jack Hu
Vice President for Research

Daryl Weinert
Associate Vice President for Research, Business Operations

Expenditures By Amount

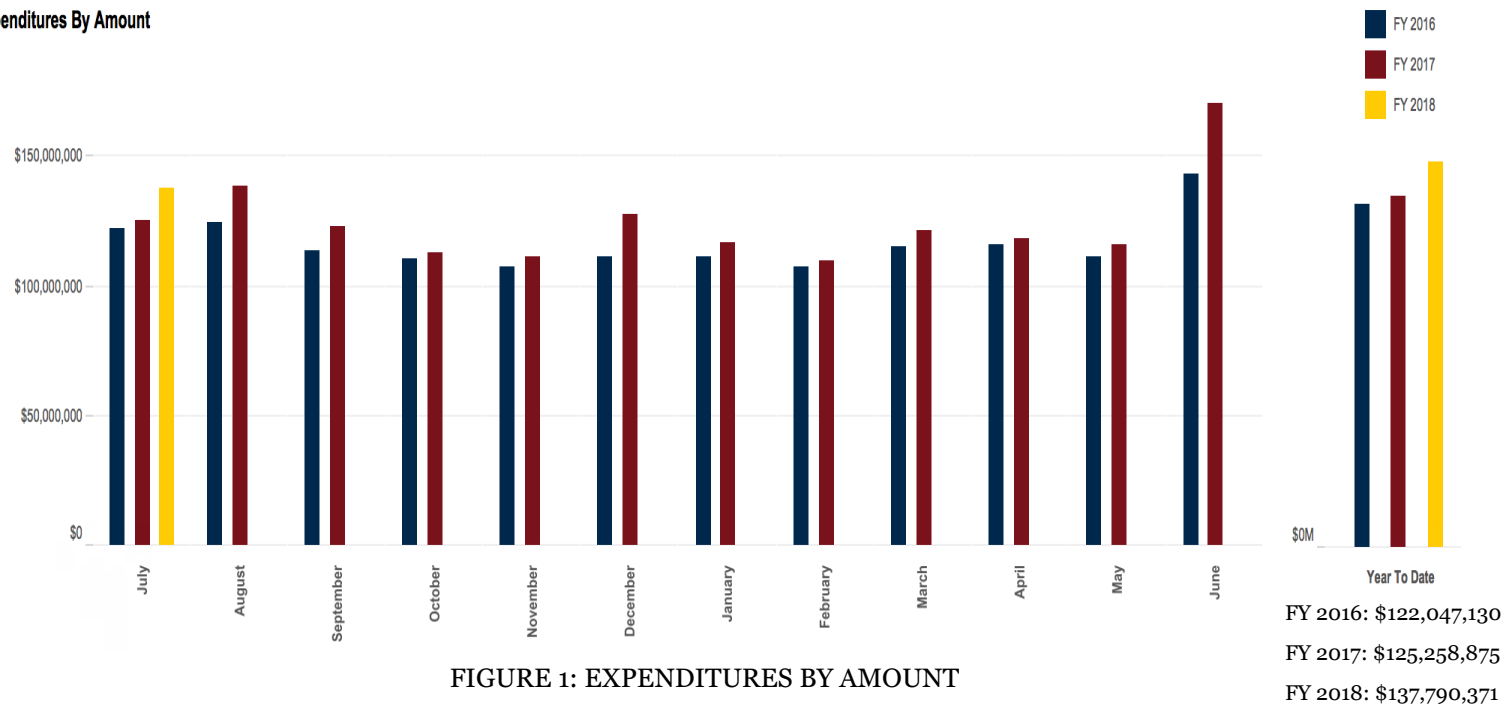


FIGURE 1: EXPENDITURES BY AMOUNT

Submissions By Count

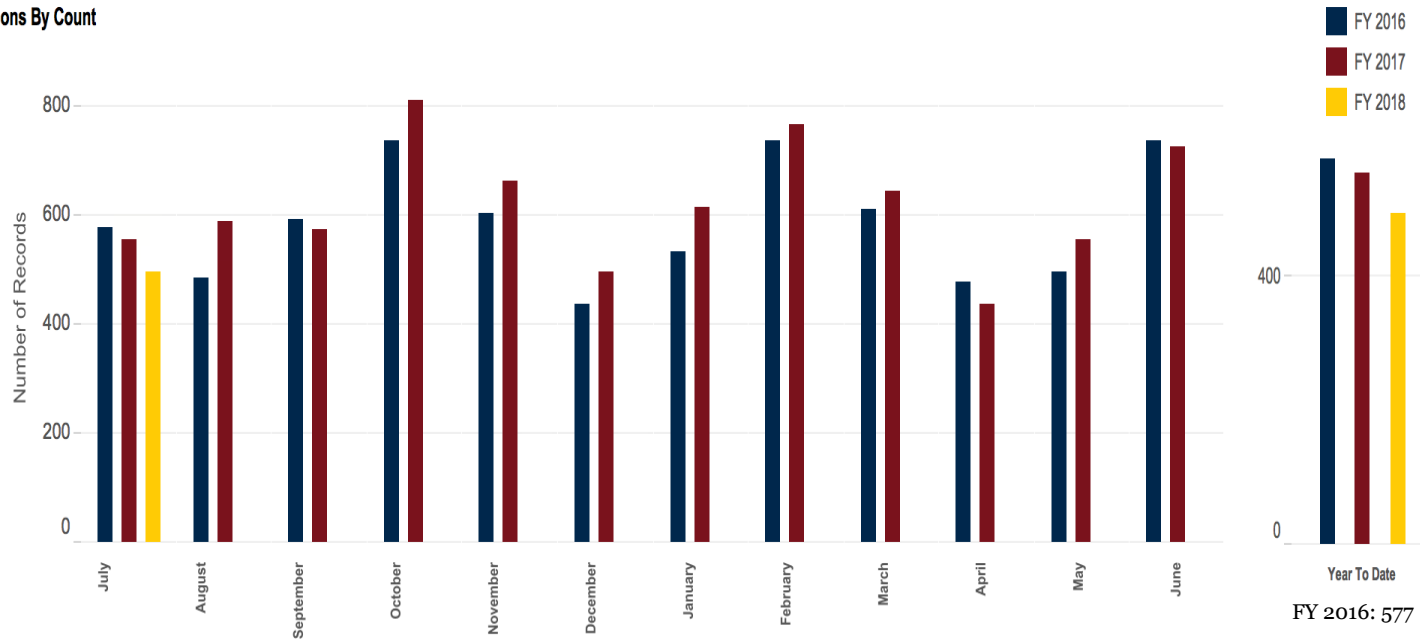


FIGURE 2: SUBMISSIONS BY COUNT

FY 2016: 577
 FY 2017: 554
 FY 2018: 494

Submissions By Amount

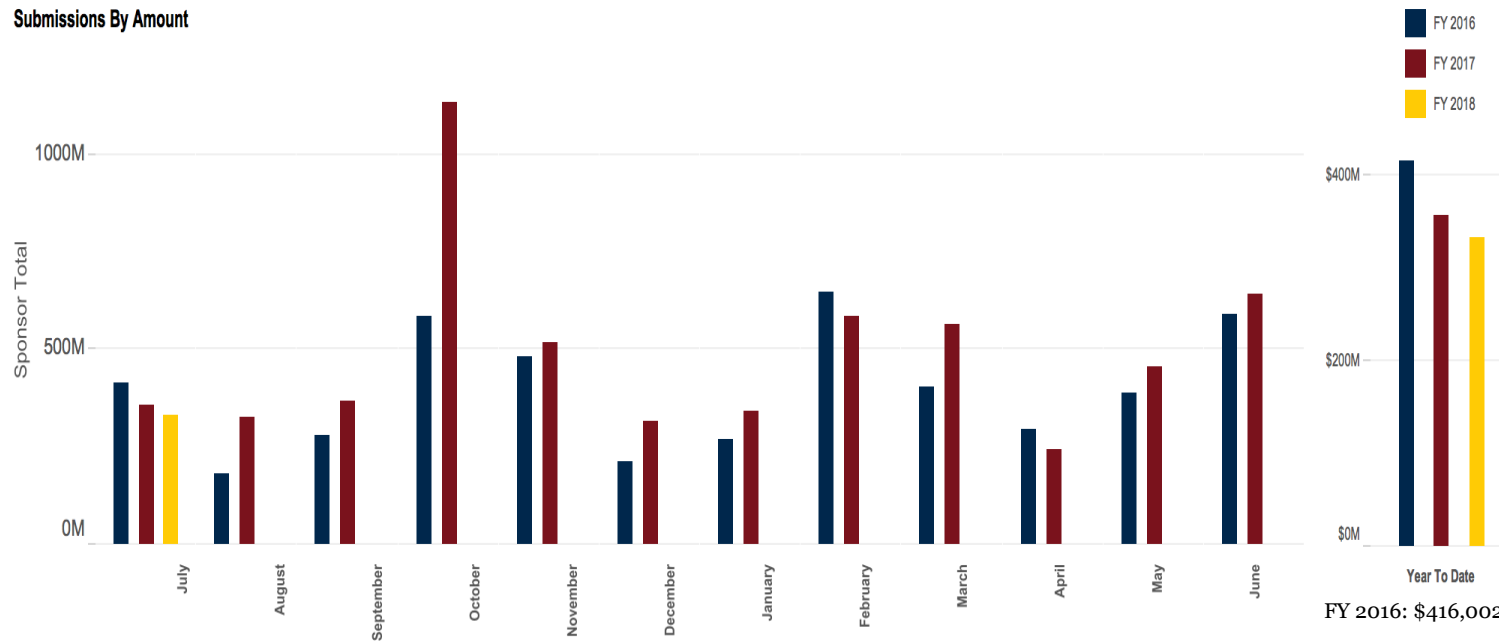


FIGURE 3: SUBMISSIONS BY AMOUNT

FY 2016: \$416,002,559
 FY 2017: \$356,887,861
 FY 2018: \$332,571,802

Awards By Count

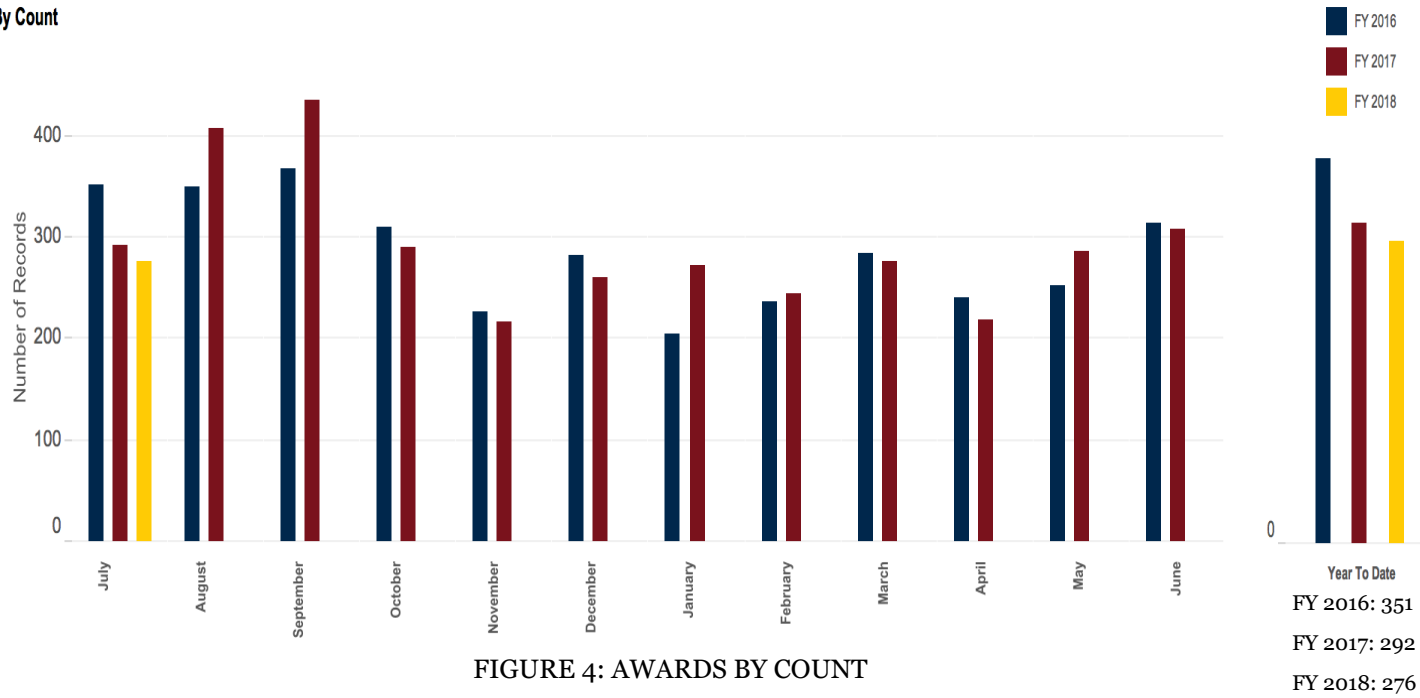


FIGURE 4: AWARDS BY COUNT

Awards By Amount

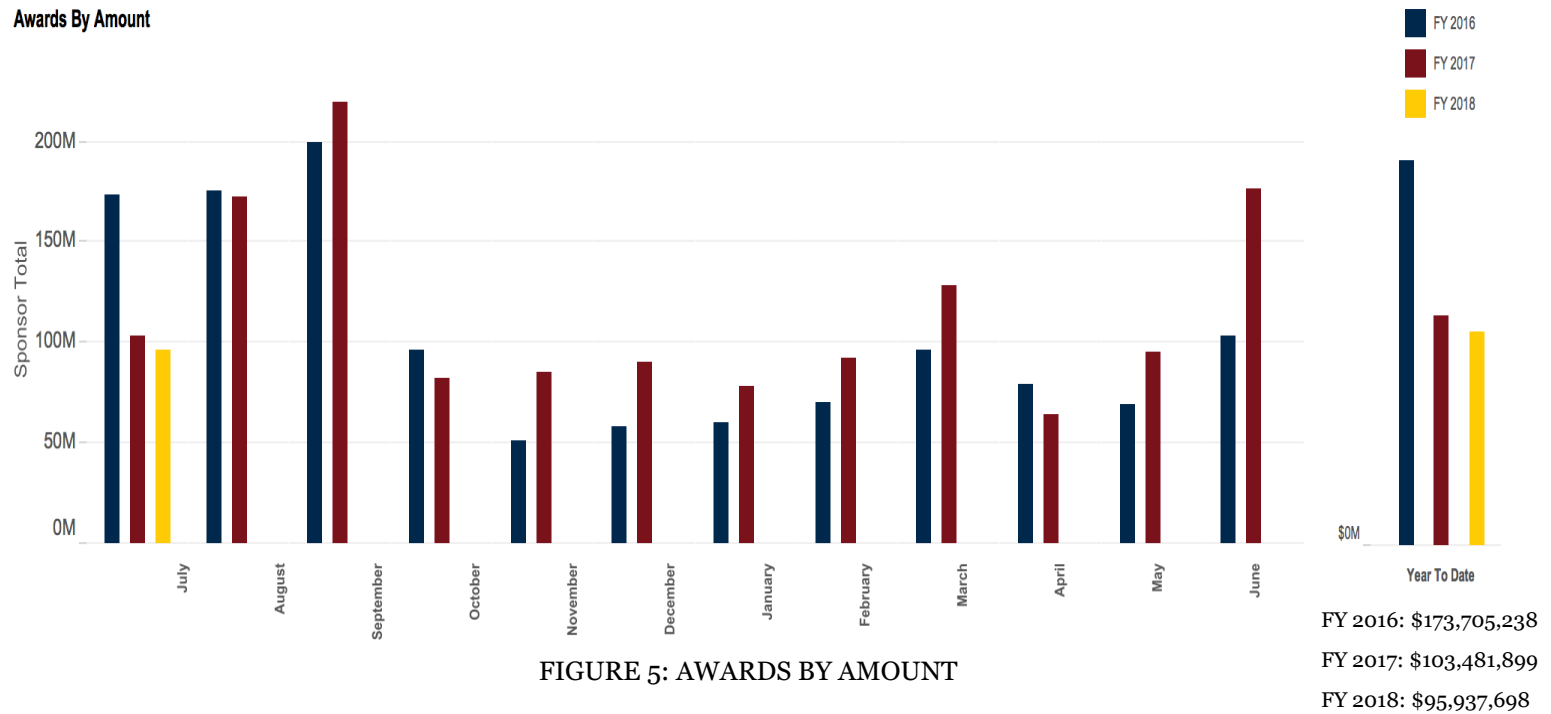


FIGURE 5: AWARDS BY AMOUNT

20 LARGEST PROJECT AWARDS - JULY 2017

Principal Investigator	Department	Proposal Title	Direct Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Fierke, Carol	Grad Schl-Fellowship Prgm	Graduate Research Fellowship Program	National Science Foundation	\$9,747,833	5.0
Fuller, Robert	Cellular Molecular Bio Grad Pg	Cellular and Molecular Biology at Michigan	Health and Human Services, Department of-National Institutes of Health	\$3,227,425	5.0
Zou, Weiping	Surgery Department	Naive T cells in Cancer Immune Evasion and Immunotherapy	Health and Human Services, Department of-National Institutes of Health	\$3,162,518	5.0
As-Sanie, Sawsan	Obstetrics and Gynecology Dept	Peripheral and Central Nervous System Correlates of Persistent Post-Hysterectomy Pain	Health and Human Services, Department of-National Institutes of Health	\$3,028,770	4.7
Brenner, Dean	Int Med-Hematology/Oncology	Volition Rx-GLNE 010 Clinical Study Agreement	VolitionRx	\$3,000,000	4.0
Kohn, David	DENT Office of Research	Tissue Engineering and Regeneration	Health and Human Services, Department of-National Institutes of Health	\$2,868,141	5.0
Meurer, William	Emergency Medicine UM Adult	Reach Out: Randomized Clinical Trial of Emergency Department-Initiated Hypertension Behavioral Intervention Connecting Multiple Health Systems	Health and Human Services, Department of-National Institutes of Health	\$2,830,390	3.6
Ellingrod, Vicki	MICHR - Operations	Development, Implementation and Assessment, Of Novel Training in Domain-based Competencies (DIAMOND)	Health and Human Services, Department of-National Institutes of Health	\$2,331,944	2.7
Ono, Akira	Microbiology and Immunology	Mechanisms that determine subcellular sites of HIV-1 assembly	Health and Human Services, Department of-National Institutes of Health	\$2,302,260	4.9
Herbst, Patricio	SOE-Educational Studies	GeT Support: An online professional learning community to support the geometry course for teachers	National Science Foundation	\$2,299,864	5.0
Bohnen, Nicolaas	Department of Radiology	Modulation of GABA-A Receptors and Axial Motor Impairments in Parkinson Disease	Health and Human Services, Department of-National Institutes of Health	\$2,081,415	3.8
Toth, Gabor	COE Climate & Space	PREEVENTS Track 2: Integrated Modeling of Extreme Space Weather Events from Electron to Global Scales	National Science Foundation	\$2,016,321	5.0
Halderman, J Alex	EECS - CSE - SSRL	Decoy Routing: Internet Freedom in the Network's Core	State, Department of	\$2,000,000	4.1
Mao, Xiaoming	LSA Physics	EFRI NewLAW: Topological acoustic metamaterials for programmable and high-efficiency one-way transport	National Science Foundation	\$2,000,000	4.0
Elias, Carol	Molec & Integrative Physiology	Neural basis of leptin action in reproduction	Health and Human Services, Department of-National Institutes of Health	\$1,870,983	4.8
Stegemann, Jan	Biomedical Engineering	Microscale Mechanobiology for Musculoskeletal Tissue Engineering using Advanced Ultrasound Techniques	Health and Human Services, Department of-National Institutes of Health	\$1,789,979	5.0
Squarize, Cristiane	DENT Periodontics and Oral Med	Modulating the PI3K Pathway During the Managing of Wound Contracture and Accelerated Healing	Health and Human Services, Department of-National Institutes of Health	\$1,752,375	4.9
Fisher, Gary	Dermatology Department	Control of aging and age-related diseases by extracellular matrix microenvironment	Health and Human Services, Department of-National Institutes of Health	\$1,596,780	4.9
Mahajan, Prashant	Emergency Medicine Research	Missed Opportunities for Improving Diagnosis in Pediatric Emergency Care	Health and Human Services, Department of-Agency for Health Care Research and Quality	\$1,594,608	4.8
Dasgupta, Neil	Mechanical Engineering	SNM: Additive Nanomanufacturing of Integrated Systems for Personalized Health Monitoring	National Science Foundation	\$1,500,000	4.0

For a complete list, visit orsp.umich.edu/saw.