



U-M Research Award and Expenditures Report: December 2017

This report summarizes the overall trends in research activity across all three campuses of the University of Michigan through September 30, 2017.

Figure 1 shows that total research expenditures through the third month of fiscal year 2018 are ahead of the previous year by 4.4 percent. It is important to note that total research expenditures for fiscal year 2017, which closed on June 30, reached a record high of \$1.48 billion.

The number of research submissions in September exceeded the number from last September, as shown in Figure 2, and the total for the year is now 0.9 percent ahead of our pace from the previous year. Figure 3 shows the value of those submissions are down 12.9 percent year to date compared to the first three months of fiscal year 2017.

Figures 4 and 5 show the number of new research awards from external sponsors are down 4 percent, though their value has increased by 3.2 percent when compared to the previous fiscal year.



S. Jack Hu
Vice President for Research

Daryl Weinert
Associate Vice President for Research, Business Operations

Expenditures



FIGURE 1: EXPENDITURES

Submissions By Count

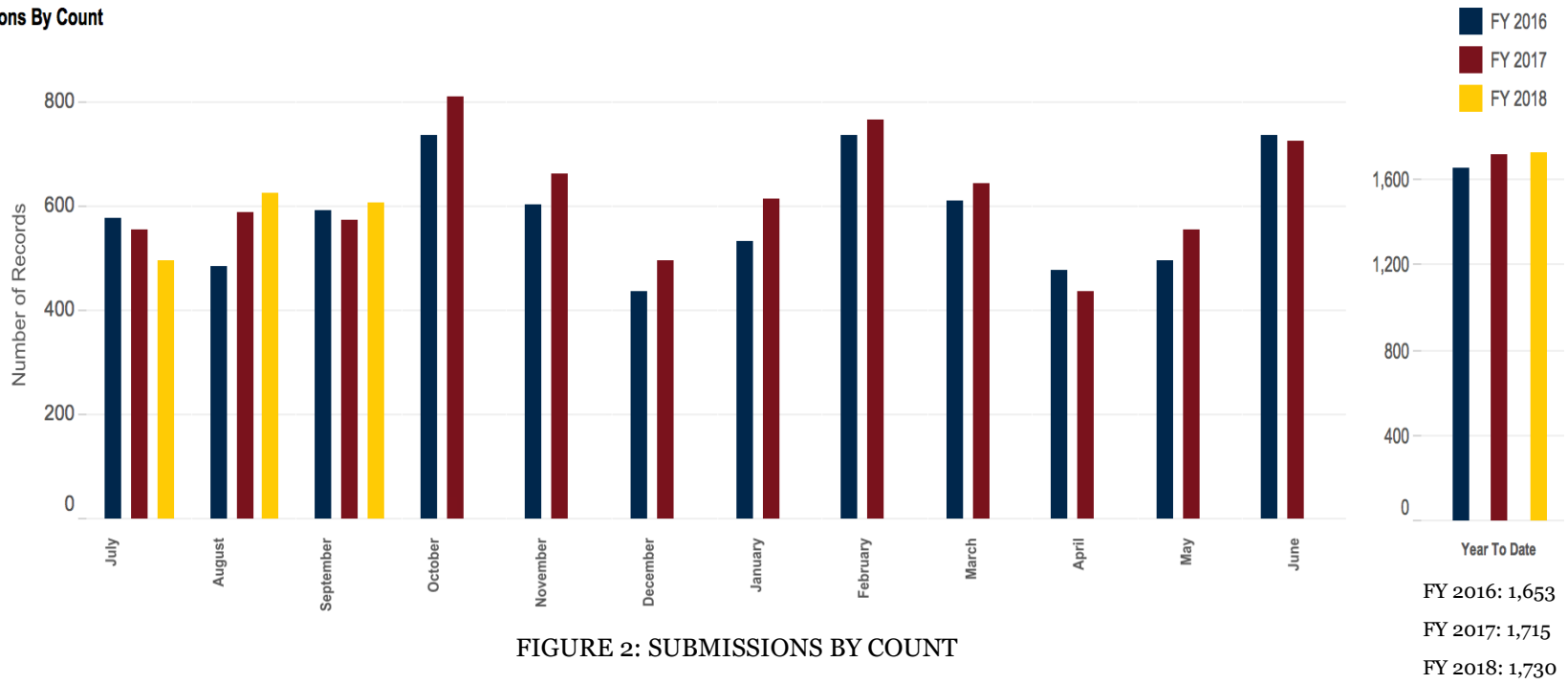


FIGURE 2: SUBMISSIONS BY COUNT

Submissions By Amount

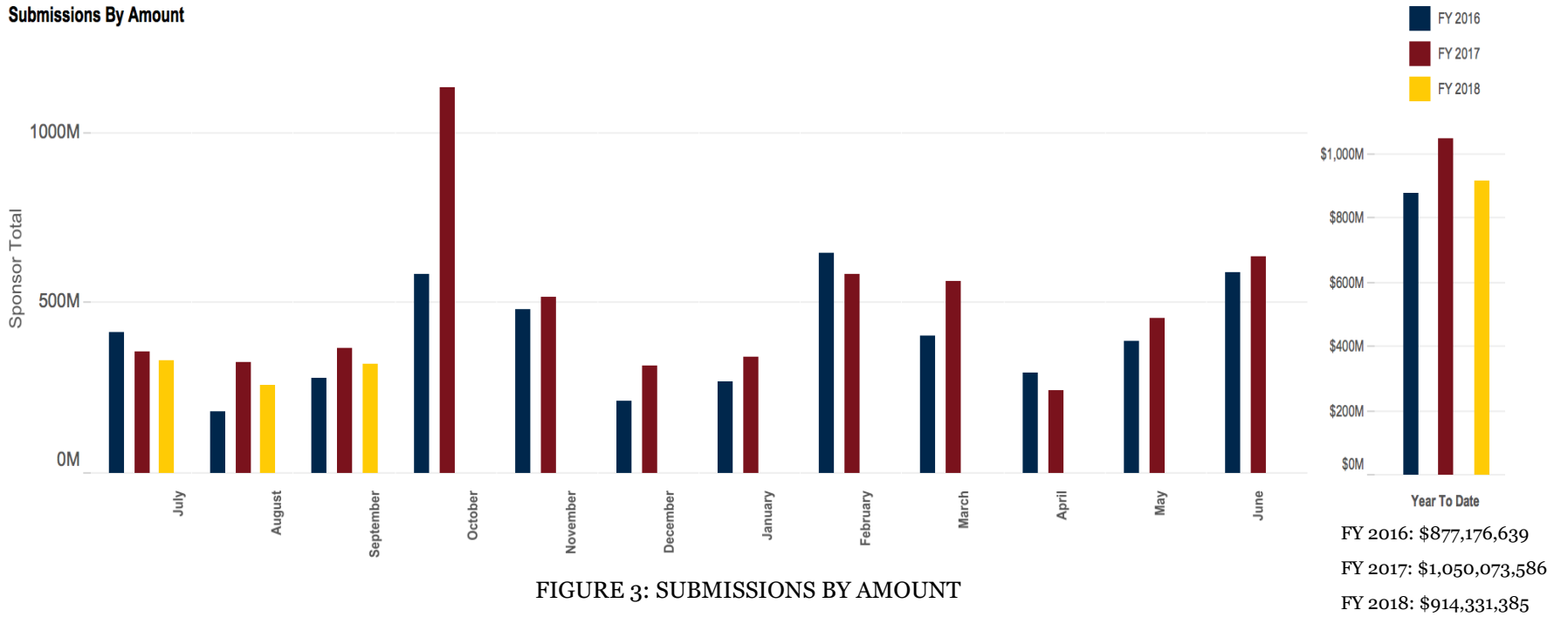


FIGURE 3: SUBMISSIONS BY AMOUNT

Awards By Count

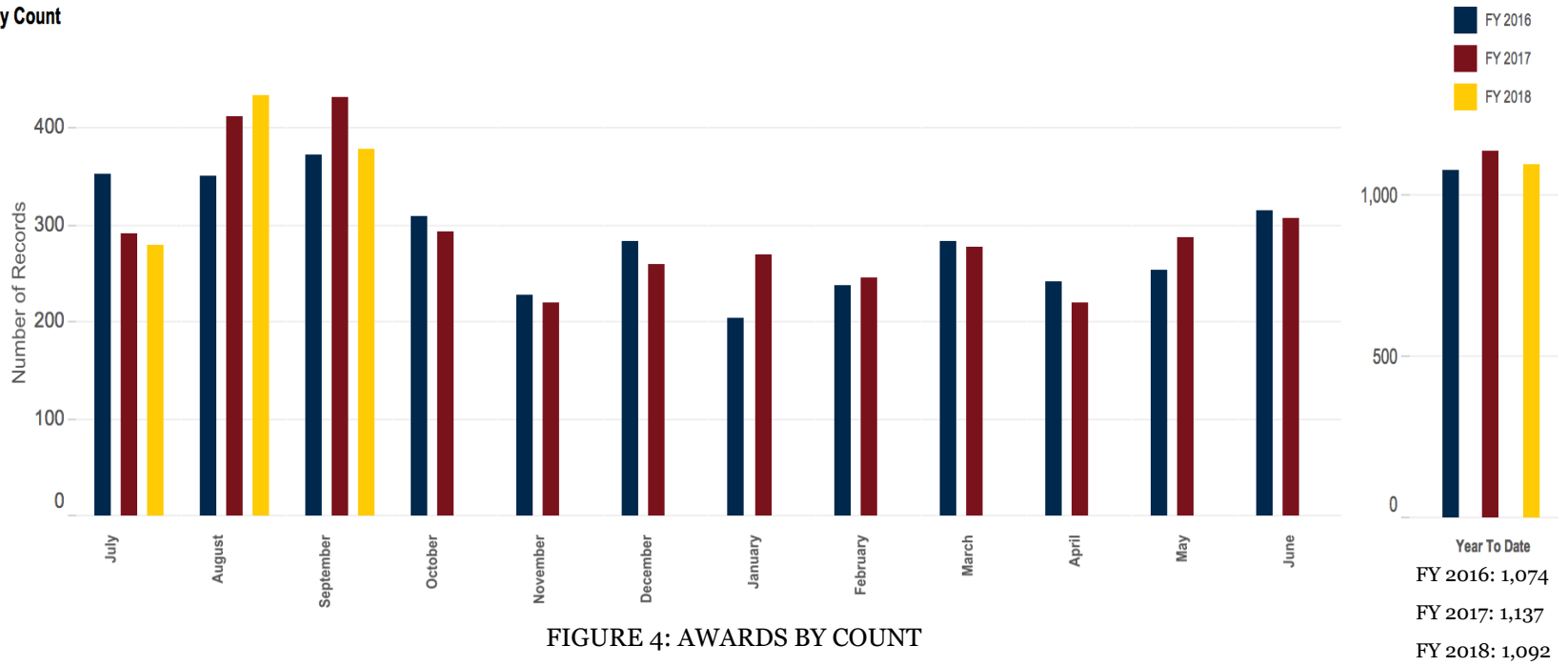


FIGURE 4: AWARDS BY COUNT

Awards By Amount

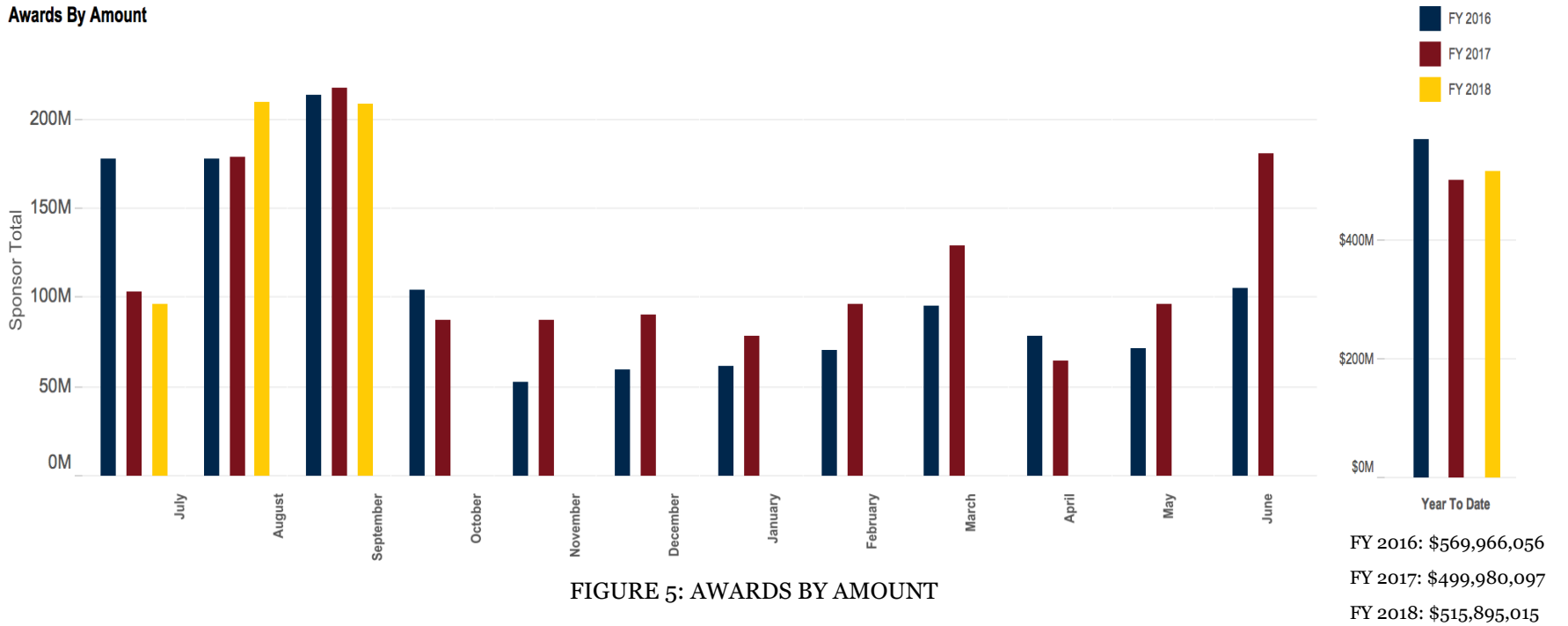


FIGURE 5: AWARDS BY AMOUNT

20 LARGEST PROJECT AWARDS - SEPTEMBER 2017

Principal Investigator	Department	Proposal Title	Direct Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Telesnitsky, Alice	Microbiology and Immunology	The Center for HIV/AIDS-Related Structural Biology (CRNA)	Health and Human Services, Department of-National Institutes of Health	\$25,084,811	5.0
Brown, Charles	SRC-Psid	Continuity and Change in American Economic and Social Life: The PSID 2017 - 2020	National Science Foundation	\$15,777,424	4.0
Fontana, Margherita	DENTCariology,Restor Sci &Endo	Predicting Caries Risk in Underserved Children, from Toddlers to the School-Age Years, in Primary Healthcare Settings	Health and Human Services, Department of-National Institutes of Health	\$8,709,290	4.9
D'Silva, Nisha	DENT Oral Med/Path/Oncology	Improving Survival in Oral Cancer by Disruption of Tumor Progression	Health and Human Services, Department of-National Institutes of Health	\$8,086,475	7.8
Morgenstern, Lewis	Neurology Department	Cognitive impairment in Mexican Americans: a population-based study	Health and Human Services, Department of-National Institutes of Health	\$7,409,780	4.8
Cunningham, Rebecca	Emergency Medicine UM Adult	Building Research Capacity For Firearm Safety Among Children	Health and Human Services, Department of-National Institutes of Health	\$4,872,849	5.0
Kaye, Keith	Int Med-Infectious Diseases	Randomized Controlled Trial for the Treatment of Extensively Drug-Resistant Gram-negative Bacilli Option 1 - Mod 1	Health and Human Services, Department of-National Institutes of Health	\$4,526,689	3.5
Mahajan, Prashant	Emergency Medicine Research	RNA Biosignatures: A Paradigm Change for the Management of Young Febrile Infants	Health and Human Services, Department of-National Institutes of Health	\$3,462,657	3.0
Kotov, Nicholas	Chemical Engineering Dept	GHz-to-THz Electromagnetic Processes and Normal Vibration Modes in Bacterial Communities.	Defense, Department of-Defense Advanced Research Projects Agency	\$3,409,811	1.0
Iwashyna, Theodore	Int Med-Pulm./Critical Care	Training to Advance Care Through Implementation Science in Cardiac And Lung Illnesses (TACTICAL)	Health and Human Services, Department of-National Institutes of Health	\$3,111,296	5.0
Neumar, Robert	Emergency Medicine UM Adult	ECPR After Prolonged Cardiac Arrest: Targeting Mechanisms of the No-Reflow	Health and Human Services, Department of-National Institutes of Health	\$3,067,247	4.0
Clarke, Philippa	SRC-Social Envir & Health	Cognitive Resilience and Community Context: Examining the role of Neighborhood Built and Social Environments for Slowing the Progression of Dementia among older Americans	Health and Human Services, Department of-National Institutes of Health	\$2,711,078	3.8
Savolainen, Jukka	ICPSR - NACJD	Data Archiving Services	Justice, Department of	\$2,684,306	1.1
Hyde, Luke	LSA Psychology	Mechanisms Underlying Resilience to Neighborhood Disadvantage	Michigan State University	\$2,464,169	5.0
Andjelkovic-Zochowska, Anuska	Pathology Department	Claudin Expression Profiles and Blood Brain Barrier in Aging	Health and Human Services, Department of-National Institutes of Health	\$2,343,371	4.8
Barsan, William	Emergency Medicine UM Adult	POINT: Platelet-Oriented Inhibition in New TIA and Minor Ischemic Stroke	University of California - San Francisco	\$2,127,933	1.0
Kemp, Stephen	Plastic Surgery Section	Regenerative Peripheral Nerve Interfaces for the Treatment of Painful Neuromas in Major Limb Amputees	Defense, Department of-Army, Department of the	\$1,980,203	4.0
Reddy, Pavan	Int Med-Hematology/Oncology	Targeting novel DAMP mediated signaling pathways to mitigate GVHD	Health and Human Services, Department of-National Institutes of Health	\$1,942,060	5.0
Ruffolo, Mary	School of Social Work	FY 2017 BHWET Competition	Health and Human Services, Department of-Health Resources and Services Administration	\$1,917,635	3.9
Kahlenberg, J Michelle	Int Med-Rheumatology	Characterization of interferon kappa as a novel target in cutaneous lupus	Health and Human Services, Department of-National Institutes of Health	\$1,794,482	4.9

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