



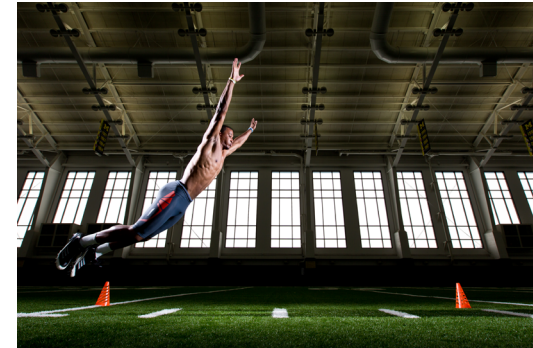
U-M Research Award and Expenditures Report: March 2018

This report summarizes the overall trends in research activity across all three campuses of the University of Michigan through January 31, 2018.

Figure 1 shows that total research expenditures through the first seven months of fiscal year 2018 are ahead of the previous year by 4.1 percent. It is important to note that total research expenditures for fiscal year 2017, which closed on June 30, 2017, reached a record high of \$1.48 billion.

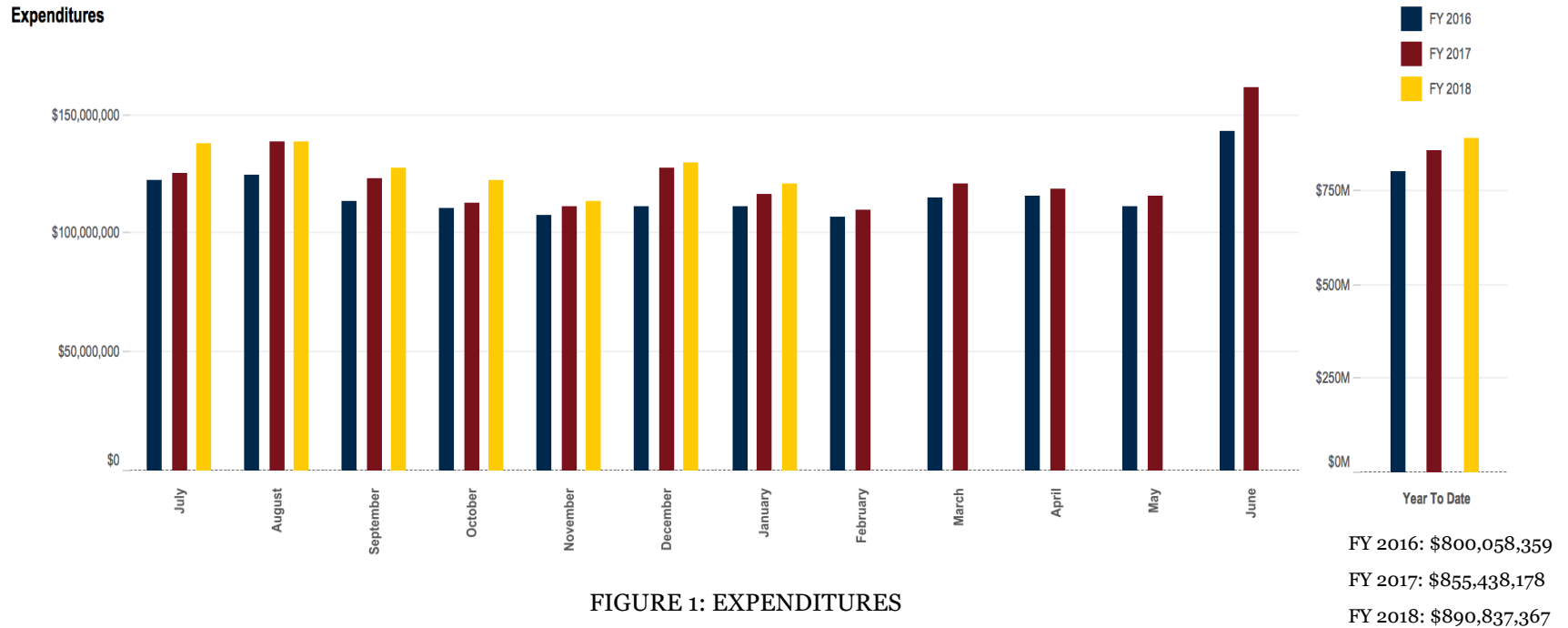
The number of research submissions in January was up slightly from January 2017, as shown in Figure 2, and total submissions for the year remain 3.9 percent ahead of our pace from the previous year. Figure 3 shows the value of those submissions is down 17.8 percent year to date compared to the first seven months of fiscal year 2017.

Figures 4 and 5 show the number of new research awards from external sponsors are up 3.5 percent, and their value has increased by 15.9 percent when compared to the previous fiscal year—led by a 6-year, \$7.56 million award from the Department of Health and Human Services to fund the Health and Retirement Study.



S. Jack Hu
Vice President for Research

Daryl Weinert
Associate Vice President for Research, Business Operations



Submissions By Count

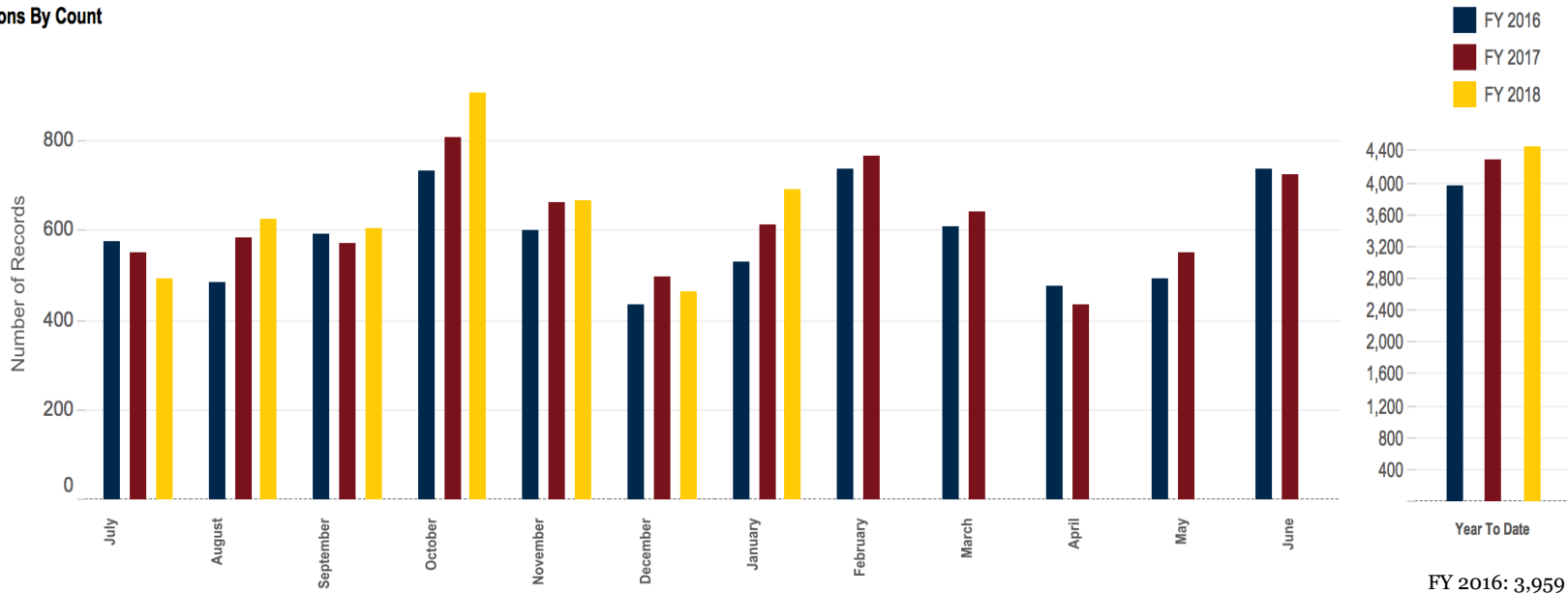


FIGURE 2: SUBMISSIONS BY COUNT

Submissions By Amount

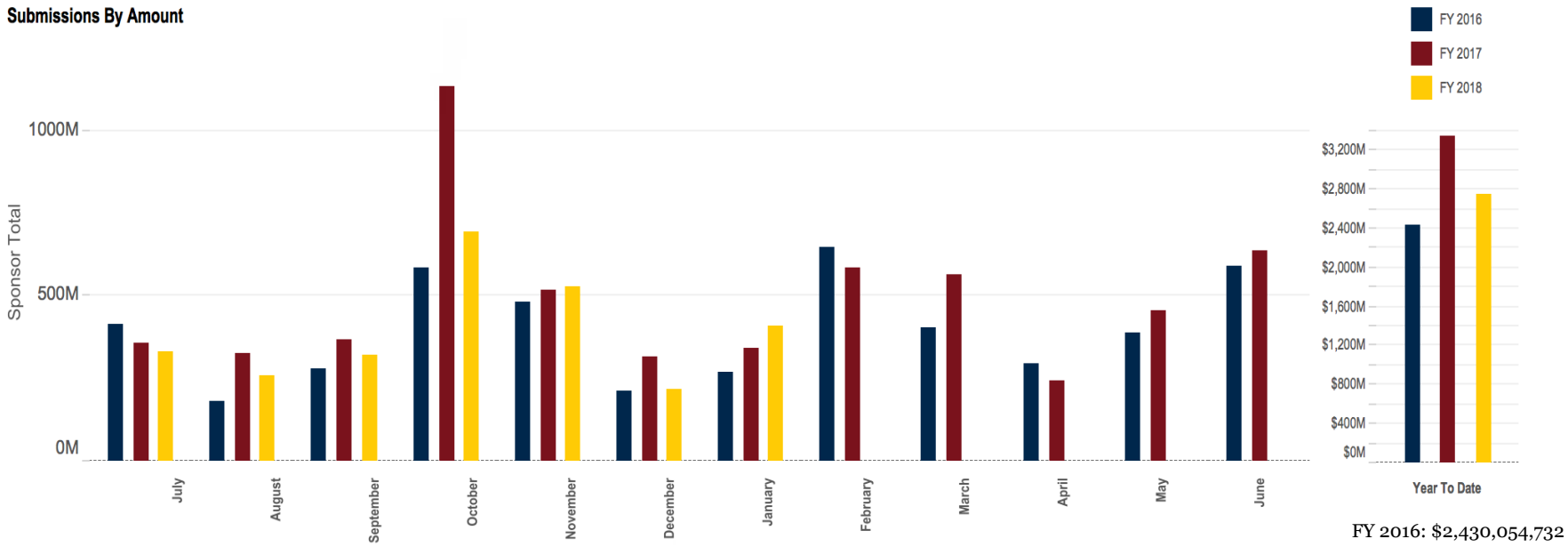


FIGURE 3: SUBMISSIONS BY AMOUNT

Awards By Count

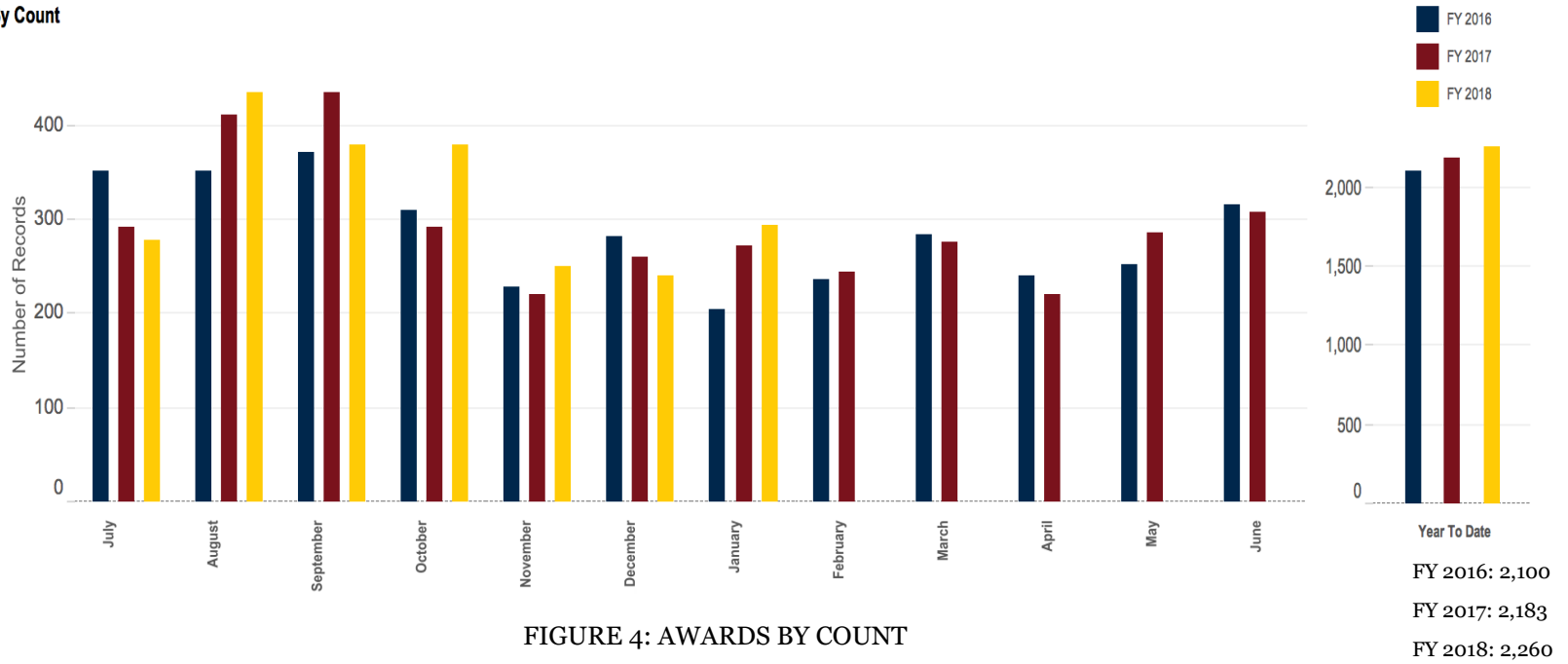


FIGURE 4: AWARDS BY COUNT

Awards By Amount

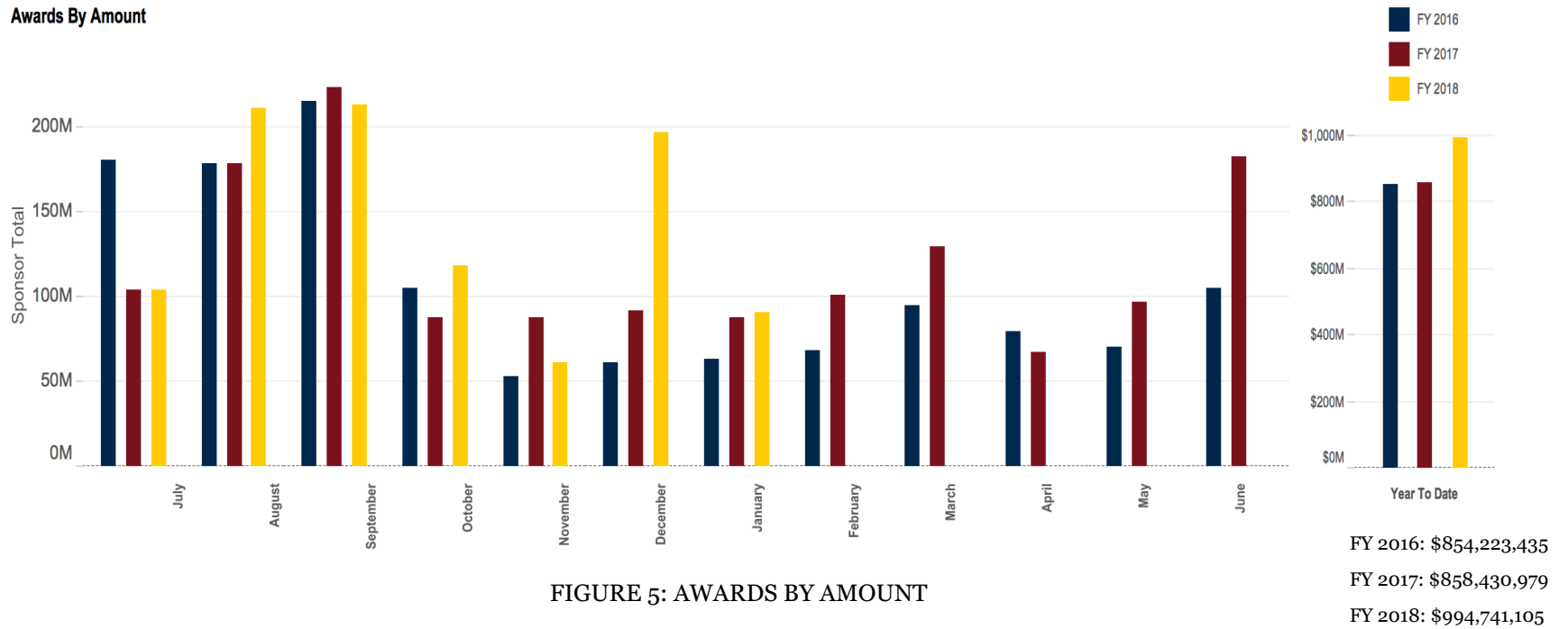


FIGURE 5: AWARDS BY AMOUNT

20 LARGEST PROJECT AWARDS - January 2018

Principal Investigator	Department	Proposal Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Langa, Kenneth	SRC-Hrs	Health and Retirement Study: Harmonized Cognitive Assessment Protocol (HCAP)	Health and Human Services, Department of-National Institutes of Health	\$7,565,326	6.0
Kretzler, Matthias	Int Med-Nephrology	Central Hub for Kidney Precision Medicine	Health and Human Services, Department of-National Institutes of Health-Subcontracts	\$3,098,489	5.0
Alam, Hasan	GSA - Acute Care Surgery (ACS)	BA150793: Dose Optimization of Valproic Acid in a Swine Model of Traumatic Brain Injury, Hemorrhage, and Poly-Trauma, with the Initiation ..	Defense, Department of-Army, Department of the	\$3,051,672	5.0
Ward, Kevin	Emergency Medicine Research	Gastroesophageal Resuscitative Occlusion of the Aorta (GROA)	Defense, Department of-Army, Department of the	\$2,995,616	3.0
Pfeiffer, Paul	Psych HlthSvc Outcome Research	Effectiveness and Implementation of a Peer Mentorship Intervention (PREVAIL) to Reduce Suicide Attempts Among High-Risk Adults	Health and Human Services, Department of-National Institutes of Health	\$2,955,644	4.0
Ganesh, Santhi	Int Med-Cardiology	Genetic and Genomic Analysis of Arterial Dysplasia	Health and Human Services, Department of-National Institutes of Health	\$2,923,371	4.0
Knight, Jason	Int Med-Rheumatology	Purinergic modulation of the autoimmune vascular phenotype	Health and Human Services, Department of-National Institutes of Health	\$2,802,030	5.0
Monte-Sano, Chauncey	SOE-Educational Studies	Teachers learning to facilitate communication and reasoning through inquiry with history and social science sources	McDonnell, James S., Foundation	\$2,500,000	5.0
Skolarus, Ted	Urology	De-implementation of low value castration for men with prostate cancer	Health and Human Services, Department of-National Institutes of Health	\$2,469,392	4.0
Kardia, Sharon	Epidemiology Department	The Lifecycle of Health Data: Polices and Practices	Health and Human Services, Department of-National Institutes of Health	\$2,446,187	4.0
Chan, Heang-Ping	Department of Radiology	Advanced breast tomosynthesis reconstruction for improved cancer diagnosis	Health and Human Services, Department of-National Institutes of Health	\$2,341,550	4.0
Horowitz, Jeffrey	Int Med-Pulm./Critical Care	X-Linked Inhibitor of Apoptosis in Fibroblast Phenotypes and Lung Fibrosis	Health and Human Services, Department of-National Institutes of Health	\$2,339,341	4.0
Fleischer, Nancy	Epidemiology Department	The Impact of Tobacco Control Policies on Health Equity in the United States	Health and Human Services, Department of-National Institutes of Health	\$2,204,943	4.9
Herbst, Patricio	SOE-Educational Studies	Managing students contributions to mathematical work in whole class discussions in high school: How do teachers decide what to do?	McDonnell, James S., Foundation	\$1,969,652	5.0
Ono, Noriaki	DENT Orthodontics	Dynamics and Regulations of Bone Stem Cells in Vivo	Health and Human Services, Department of-National Institutes of Health	\$1,851,313	5.0
Shavit, Jordan	Pediatrics-Hematology/Oncology	Identification of novel therapeutics for hemostatic disorders using zebrafish	Health and Human Services, Department of-National Institutes of Health	\$1,558,750	4.0
Lau, Yue Ying	Nuclear Eng & Radiological Sci	Multipactor and breakdown susceptibility in microwave frequency high field devices -MURI Consortium	Defense, Department of-Air Force, Department of the-Subcontracts	\$1,517,320	3.0
Schloss, Patrick	Microbiology and Immunology	Identification of Microbiome Based Markers to Improve Colorectal Cancer Detection	Health and Human Services, Department of-National Institutes of Health	\$1,430,379	3.0
Psarouthakis, Michael	Office of Technology Transfer	Tech Transfer Talent Network (5th University Technology Acceleration Commercialization Program)	Michigan, State of, Economic Development Corporation	\$1,260,000	1.0
Liu, Mingyan	COE EECS - ECE - Cspl	A New Paradigm in Risk-Informed Cyber Insurance Policy Design: Meta-Policies and Risk Aggregation	Homeland Security, Department of	\$1,049,958	3.0

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