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This report summarizes the overall trends in research activity across all three campuses of the University of Michigan for the full fiscal year ending on June 30, 2017. Note that these numbers are unaudited and subject to change. A full report with the audited numbers will be released this fall.

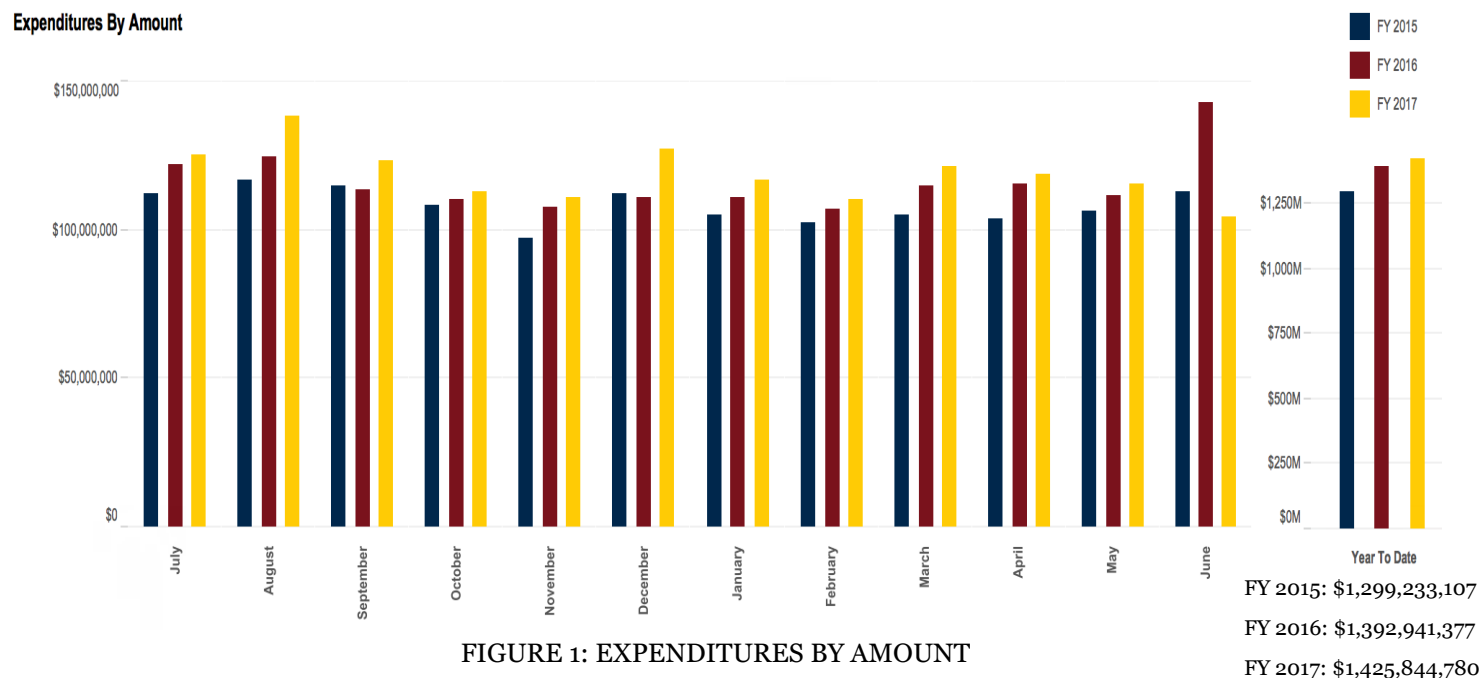
Figure 1 shows that total research expenditures through June 2017 are ahead of the previous year by 2.4 percent, reaching a record high of \$1.4 billion.

As shown in Figures 2 and 3, the total number of research submissions are ahead of last year's pace by 5.7 percent. The value of those submissions are up 22.8 percent compared to June 2016. These figures reverse a decline in both the number and value of submissions between the two previous years.

Figures 4 and 5 show the number of new research awards is up by 2.6 percent, and their value has increased by 11.3 percent when compared to the previous fiscal year.

S. Jack Hu
Vice President for Research

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Submissions By Count

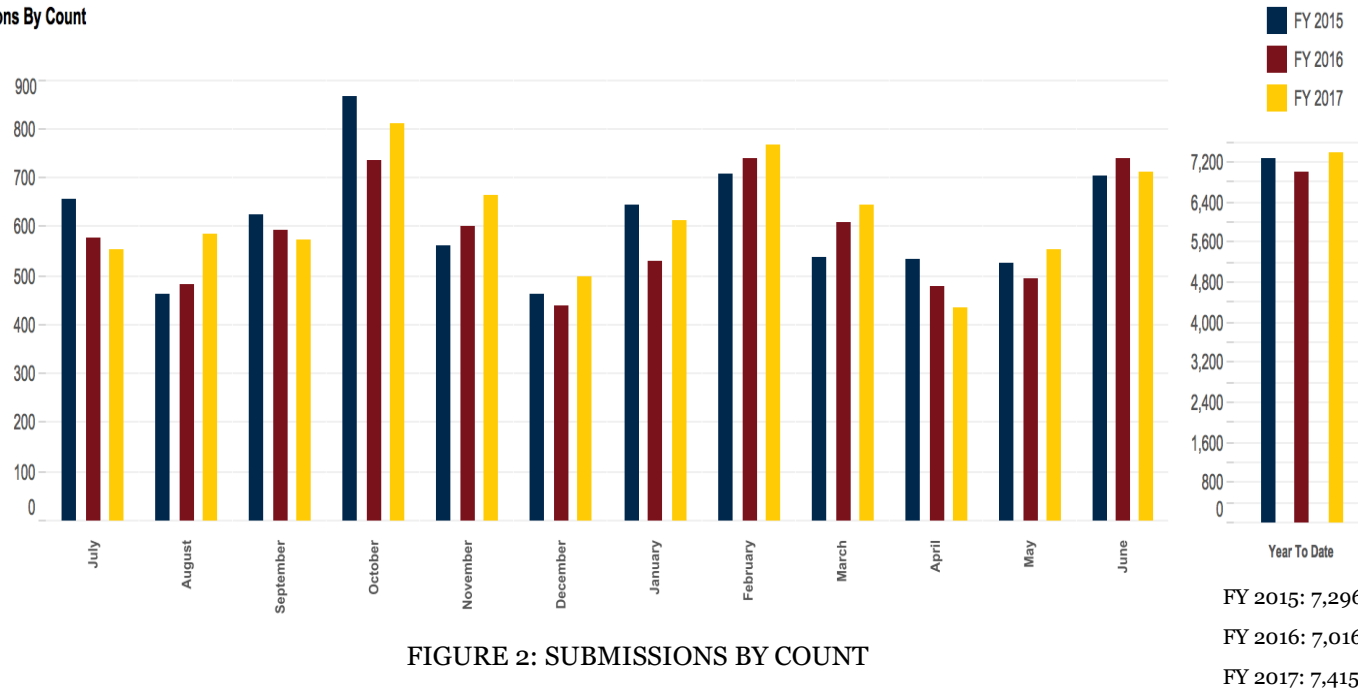


FIGURE 2: SUBMISSIONS BY COUNT

Submissions By Amount

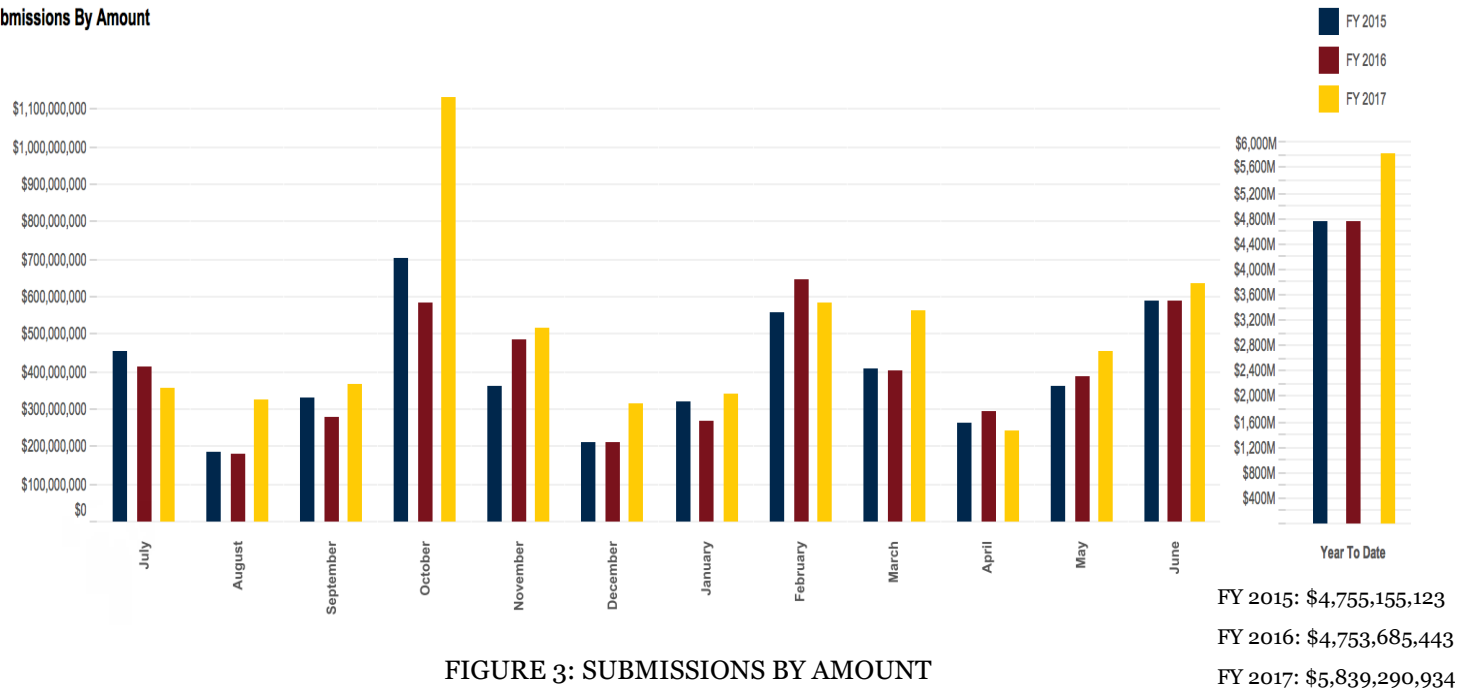


FIGURE 3: SUBMISSIONS BY AMOUNT

Awards By Count

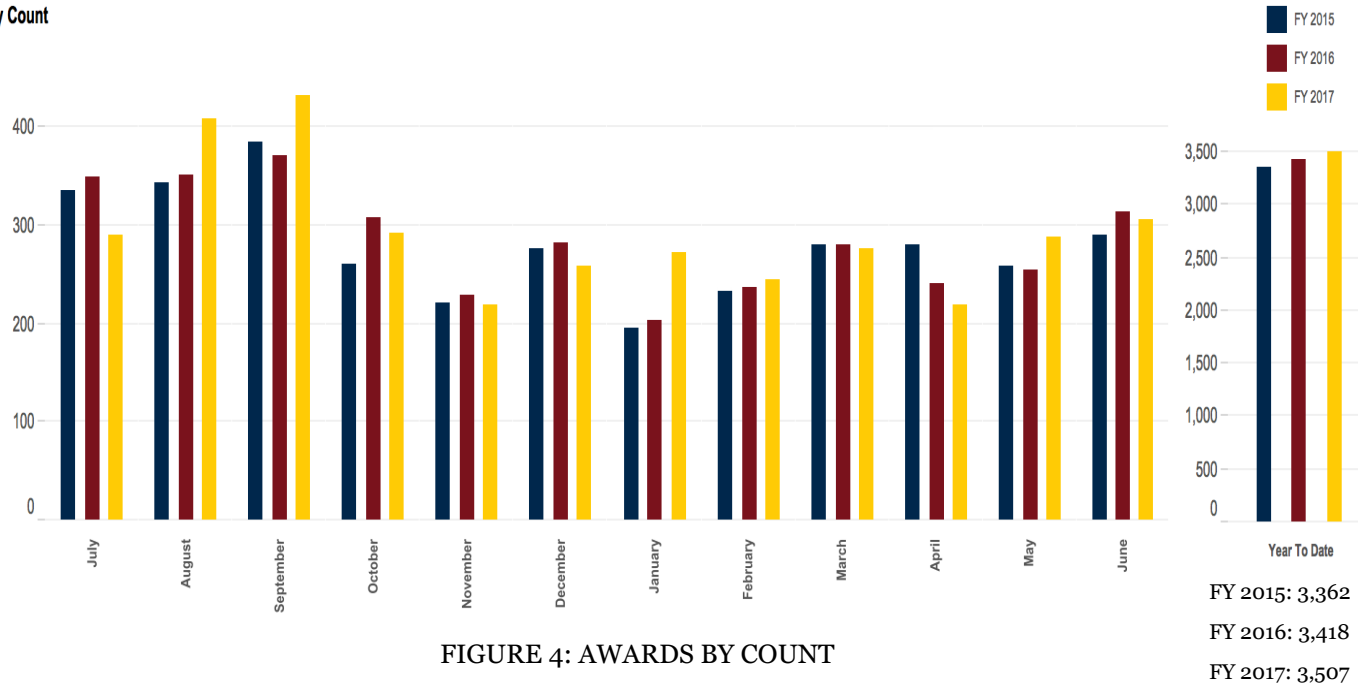


FIGURE 4: AWARDS BY COUNT

Awards By Amount

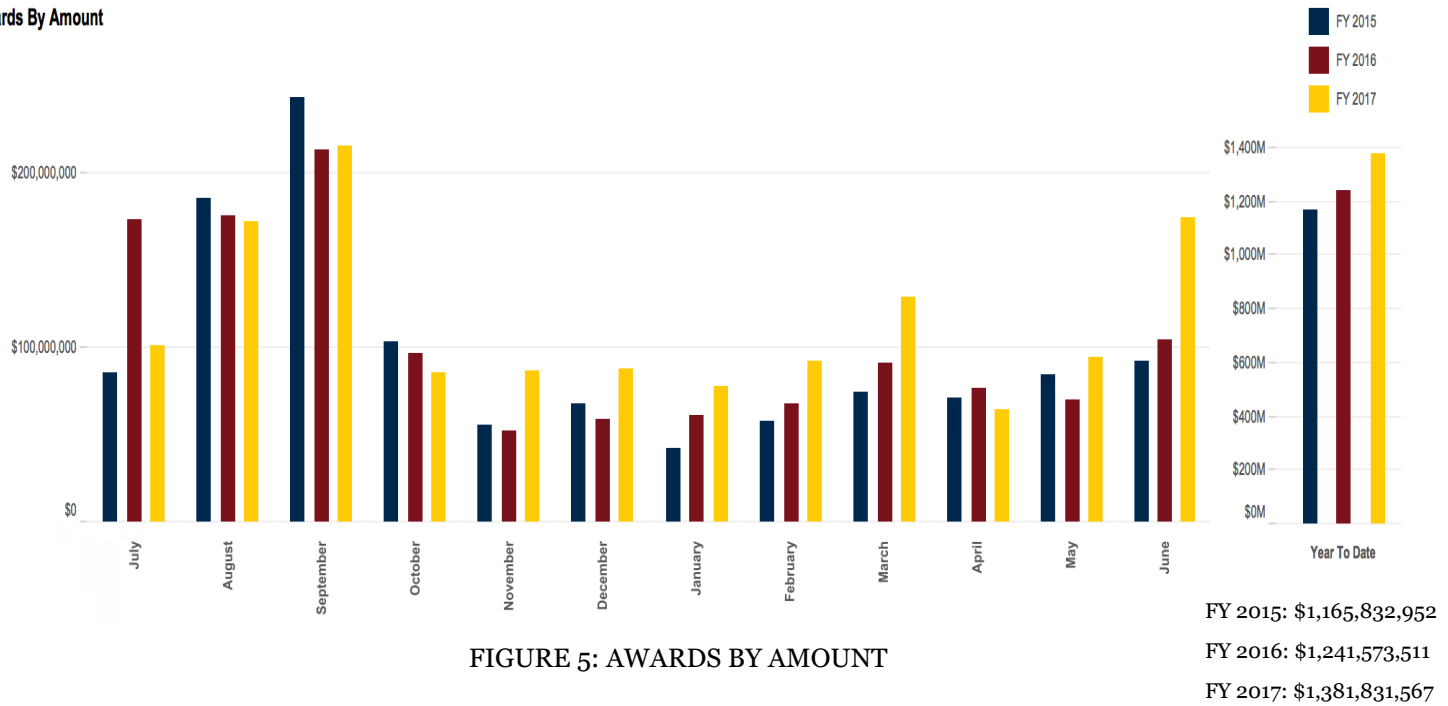


FIGURE 5: AWARDS BY AMOUNT

20 LARGEST PROJECT AWARDS - JUNE 2017

| Principal Investigator | Department | Proposal Title | Direct Sponsor | Award Sponsor Total | Estimated Award Duration (years) |
|--------------------------|--------------------------------|---|--|---------------------|----------------------------------|
| Mashour, George | MICHR - Operations | Michigan Institute for Clinical and Health Research (MICHR) | Health and Human Services, Department of-National Institutes of Health | \$48,220,260 | 4.7 |
| Gebremedhin, Lia Tadesse | Obstetrics and Gynecology Dept | Excellence in Pre-service Training in Family Planning | Susan Thompson Buffett Foundation | \$12,688,734 | 3.0 |
| Ellingrod, Vicki | MICHR - Operations | Michigan Institute for Clinical and Health Research (MICHR) - KL2 Award | Health and Human Services, Department of-National Institutes of Health | \$6,914,295 | 4.7 |
| Fearon, Eric | Univ of Mich Cancer Center | University of Michigan Cancer Center Support Grant Year 6 | Health and Human Services, Department of-National Institutes of Health | \$5,578,201 | 21.0 |
| Wang, Thomas | Int Med-Gastroenterology | Early Targets in Progression of Barrett's Esophagus to Esophageal Adenocarcinoma | Health and Human Services, Department of-National Institutes of Health | \$4,858,331 | 4.9 |
| Kalemkerian, Gregory | Int Med-Hematology/Oncology | A Phase III Randomized, Double-Blind, Placebo-controlled Trial of Pembrolizumab (MK-3475/SCH900475) in Combination with Etoposide/Platinum (Cisplatin or Carboplatin) for the First-line .. | Merck Sharp and Dohme Research Laboratories | \$3,764,277 | 5.1 |
| Huang, Yvonne | Int Med-Pulm./Critical Care | Sputum Microbial Markers of Type 2-Low Asthma | Health and Human Services, Department of-National Institutes of Health | \$3,565,422 | 5.0 |
| Waljee, Jennifer | Plastic Surgery Section | oPIOIDS: Prevention of Iatrogenic Opioid Dependence after Surgery | Health and Human Services, Department of-National Institutes of Health | \$3,137,204 | 4.8 |
| Marsh, Erica | Obstetrics and Gynecology Dept | Study of Ovarian Aging and Reserve in Young Women (SOAR) | Health and Human Services, Department of-National Institutes of Health | \$3,103,471 | 4.6 |
| Lieberman, Andrew | Pathology Department | Mechanisms of motor neuron toxicity in Kennedy disease | Health and Human Services, Department of-National Institutes of Health | \$2,695,596 | 4.9 |
| Clauw, Daniel | MICHR - Operations | Michigan Institute for Clinical and Health Research (MICHR) TL1 Award | Health and Human Services, Department of-National Institutes of Health | \$2,688,970 | 4.7 |
| Hicks, Brian | Psych Substance Abuse | Developmental and peer effects on the neurobiology of cognitive control and reward processes | Health and Human Services, Department of-National Institutes of Health | \$2,416,589 | 5.0 |
| Brenner, Dean | Int Med-Hematology/Oncology | GLNE 010 - Validation and Comparison of Biomarkers for the Early Detection of Colorectal Adenocarcinoma | Clinical Genomics Pathology, Inc. | \$2,400,000 | 4.1 |
| Pierchala, Brian | DENT Bio & Materials Science | Growth factors in the development and physiology of geniculate taste neurons | Health and Human Services, Department of-National Institutes of Health | \$2,337,245 | 5.0 |
| Putnam, Andrew | Biomedical Engineering | Cellular Biotechnology Training Program (CBTP) | Health and Human Services, Department of-National Institutes of Health | \$2,305,305 | 5.0 |
| Zhang, Jifeng | Int Med-Cardiology | Krüppel-like factor 11 (KLF11) and atherosclerosis | Health and Human Services, Department of-National Institutes of Health | \$2,264,254 | 4.8 |
| Fan, Yanbo | Int Med-Cardiology | Transcription Factor-EB and Postischemic Angiogenesis | Health and Human Services, Department of-National Institutes of Health | \$2,138,185 | 4.7 |
| Parkos, Charles | Pathology Department | Neutrophil Interactions with Intestinal Epithelial Cells | Health and Human Services, Department of-National Institutes of Health | \$2,030,345 | 4.0 |
| Nor, Jacques | DENTCariology,Restor Sci &Endo | Perivascular niche for salivary gland cancer stem cells and resistance to therapy | Health and Human Services, Department of-National Institutes of Health | \$1,840,625 | 5.0 |
| Rainey, William | Molec & Integrative Physiology | Mechanisms Leading to Adrenal Zonation | Health and Human Services, Department of-National Institutes of Health | \$1,720,228 | 4.0 |

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