

# FY 2016 Research Funding Report

**\$21 Million  
Award Dollars**

**\$15.3 Million  
Total Federal  
Dollars**

**\$18 Million  
Total Expenditures  
(\$4 Million Increase)**



College of Arts & Sciences

## **Summary of Funding for Research and Scholarship**

**August 30, 2016**

### **Key Highlights**

- ✓ **33% increase (over \$7 million) in total award dollars over FY2015.**
- ✓ **24% increase (over \$4 million) in total expenditures over FY2015.**
- ✓ **\$21 million in award dollars in FY2016.**
- ✓ **CAS is one of the highest federally funded colleges in academic affairs.**

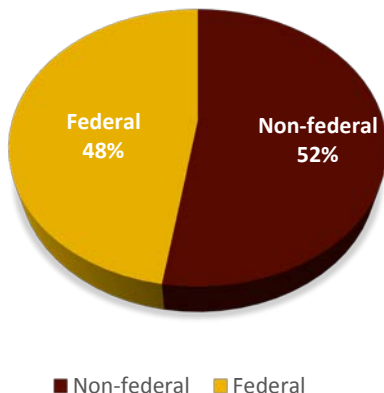
## **Summary of CAS Research Funding**

External funding within CAS is critically important to support high profile faculty scholarship that both contributes to university pre-eminence success and makes a positive difference in the world. A summary of FY16 CAS funding as well as a six-year summary of CAS research funding performance is provided below.

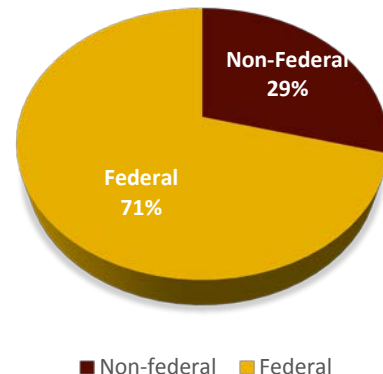
### **CAS Research Funding Summary for FY16**

- CAS faculty submitted 347 proposals in 2016 requesting over \$144 million.

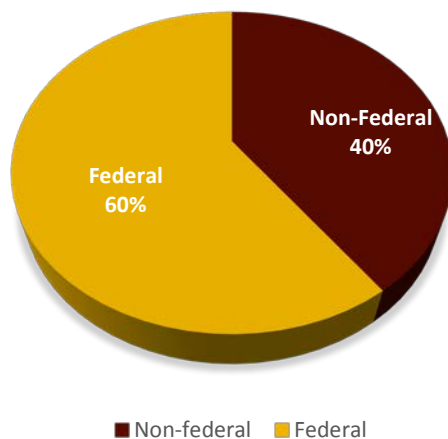
**261 Awards**



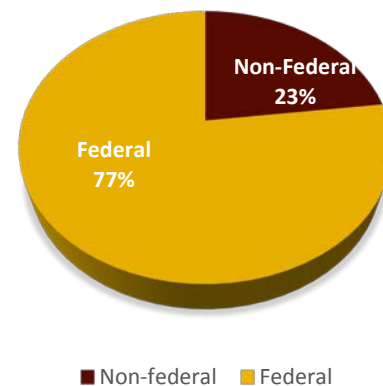
**\$21,020,637 Award Dollars**



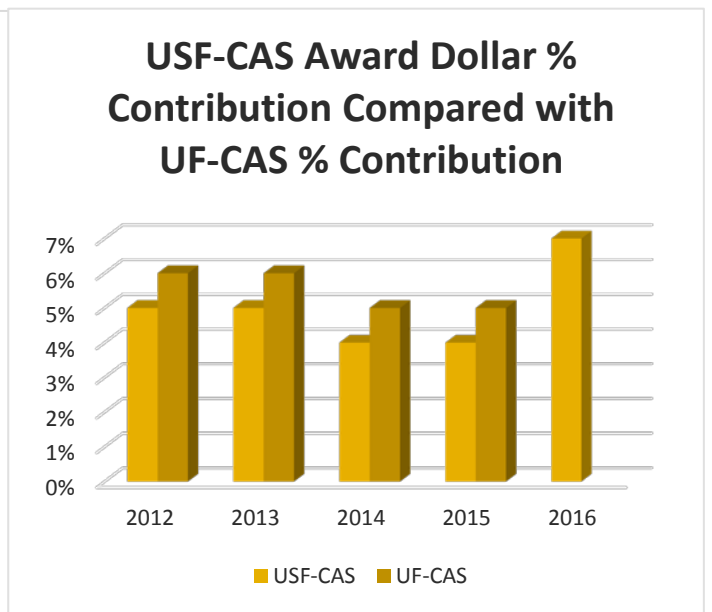
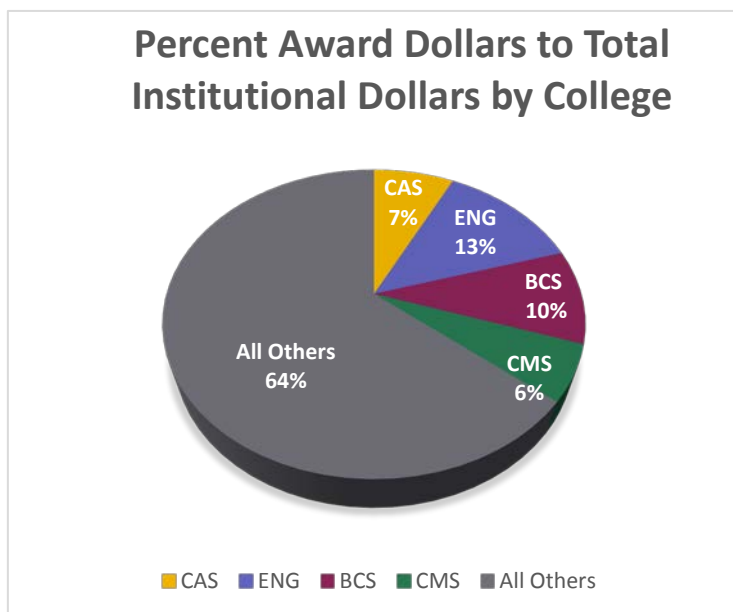
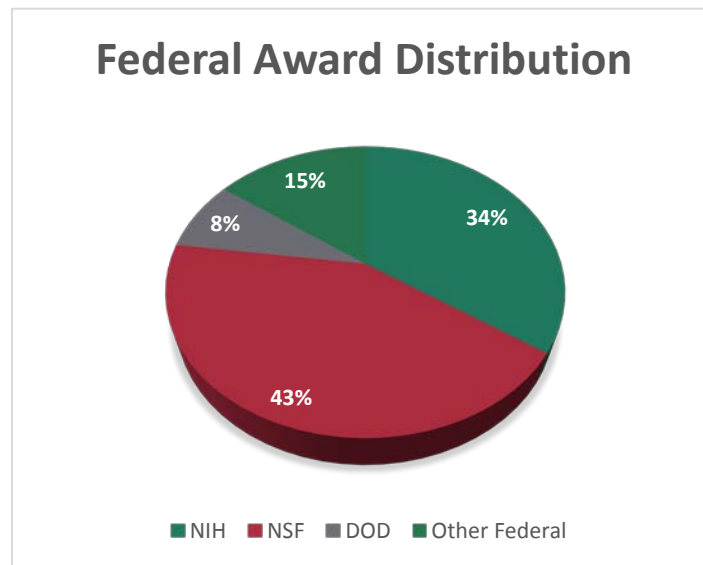
**347 Proposal Submissions**



**\$144,365,507 Request Dollars**

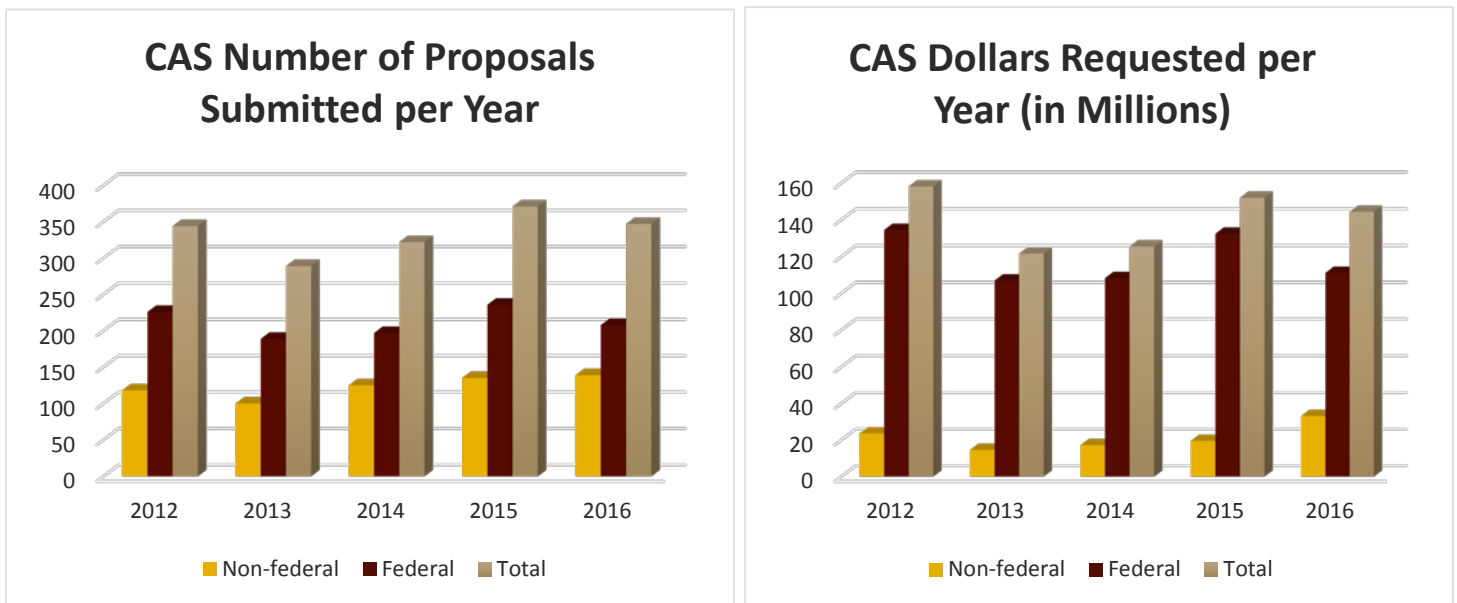


- NSF and NIH dominate CAS Federal awards.
- CAS research awards contribute 7% to the total awards received by USF, matching CAS units at selected AAU universities



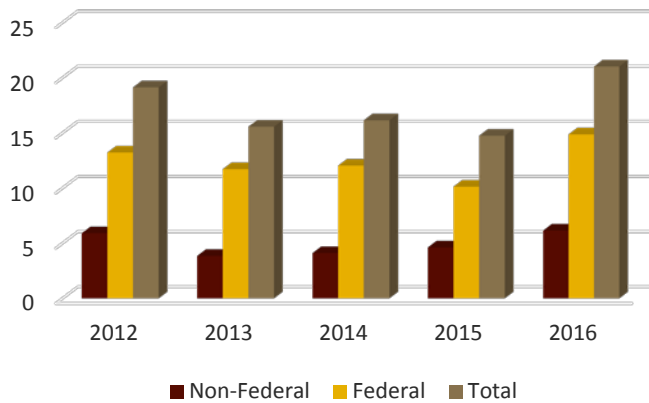
## **CAS Research Funding History**

- Proposal submission and dollars requested by CAS faculty have remained consistent since 2012 with a majority of the requested awards from federal agencies.

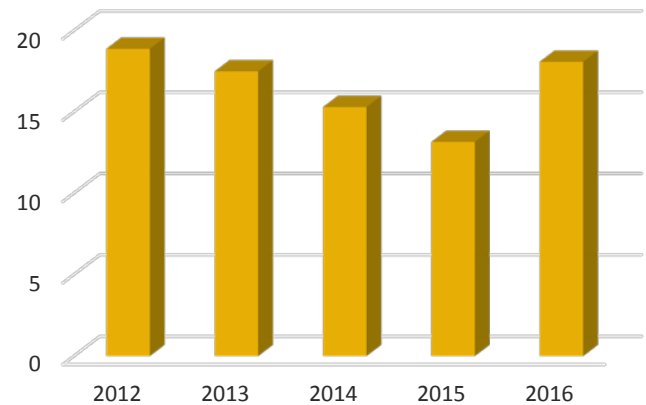


- In FY16 CAS saw a 33% increase (over \$7 million) in total award dollars after a period of relatively flat funding.
- In FY16 CAS recognized a corresponding 24% increase (over \$4 million) in total expenditures.

**CAS Dollars Awarded  
(in Millions)**



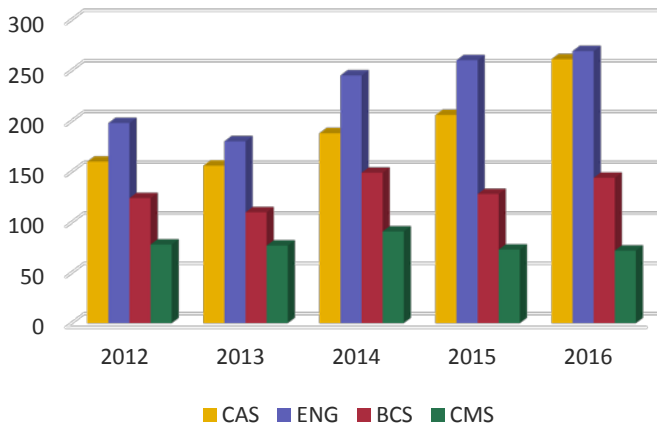
**CAS Total Expenditures  
(in Million)**



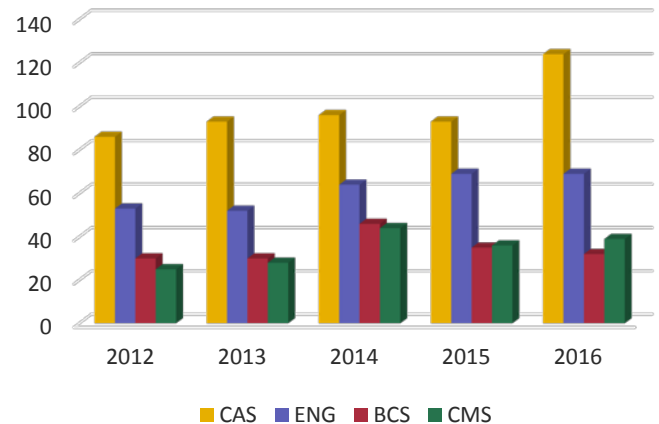
### **CAS Research Funding Relative to Other Colleges at USF**

- The number of total awards received in CAS is comparable to other research intensive colleges in Academic Affairs.
- The number of federal awards received by CAS faculty far exceeds those of other colleges in Academic Affairs.

**Total Awards by Selected Other  
USF Colleges per Year**

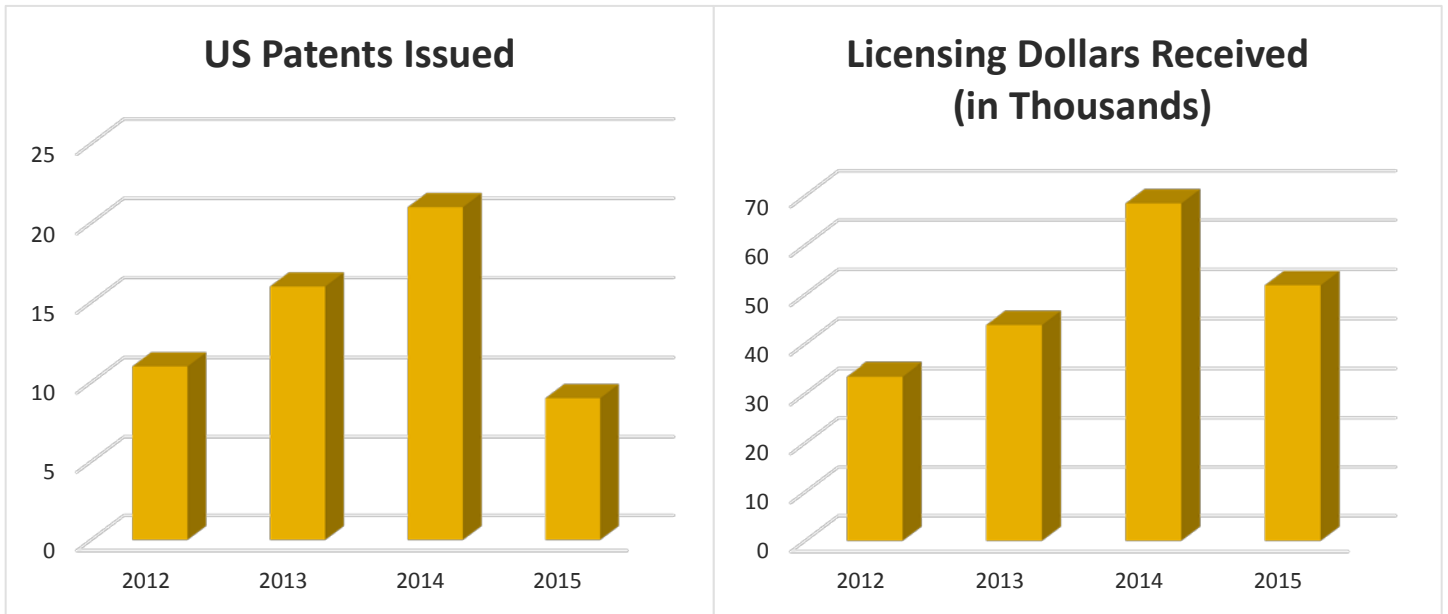


**Number of Federal Awards by  
College**



## CAS Patents and Licenses

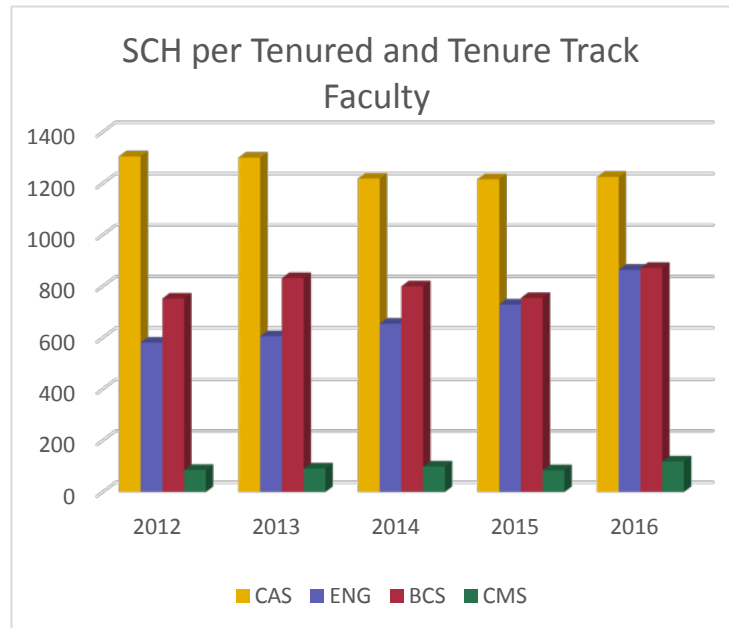
- CAS continues to actively promote patent applications and licensing.



# **Challenges Facing CAS Research and Scholarship**

## **1. Size of the research faculty and balancing with instructional demands**

- The number of CAS faculty has remained relatively constant since 2011 while Student Credit Hour production by the College has been consistently one of the highest at USF over the same period.
- CAS has experienced the loss of key research faculty over the past four years.



## **2. Fragile and inadequate Research infrastructure**

- CAS departments have nearly exhausted all available research space, limiting future growth opportunities.
- Research core facilities within the college which are integral to research success are struggling to remain solvent due to limited institutional support.



## **Ways that CAS Continues to Improve Scholarly Productivity**

### **1. Enhance Pre-award Grant Submission Process**

- Assigned Unit Research Administrators (URAs) to departments with high research activity
- Implemented new CAS-Office of Research and Scholarship website with comprehensive pre-award support tools

*Projected outcome: Increase in total number of grants submitted and total dollars requested*

### **2. Increased Proposal Success Rate**

- Provide comprehensive CAS proposal narrative reviews and revision suggestions that position proposals to be as compelling and persuasive as possible.

*Projected outcome: Increase in total number of grants awarded*

### **3. Leverage Focused CAS Research Areas**

- Identify synergies among CAS research activities to improve interdisciplinary and transdisciplinary research initiatives
- Coordinate research clusters to enhance large collaborative grant opportunities

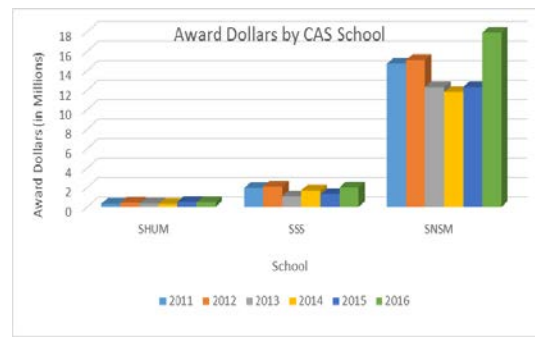
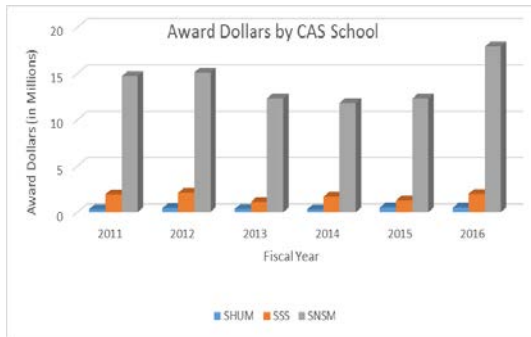
*Projected outcome: Increase the number of large collaborative proposal submissions and awards*

### **4. Address Key Factors Impacting CAS Research and Scholarship**

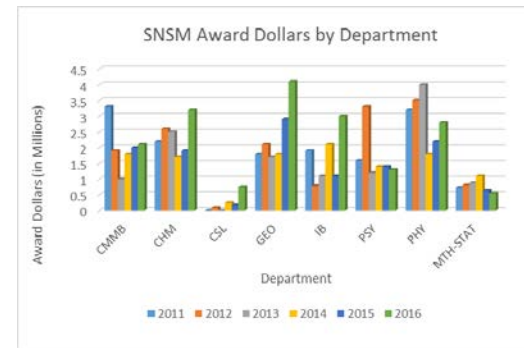
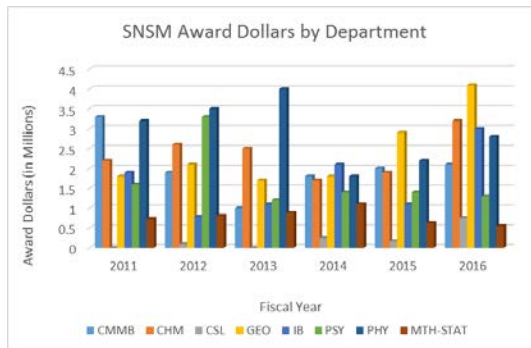
- Develop strategic plan for research faculty growth and retention
- Develop strategic plan to enhance the research infrastructure to include research laboratory space and core facility support

*Projected outcome: Further advance CAS research and scholarship performance metrics and rankings*

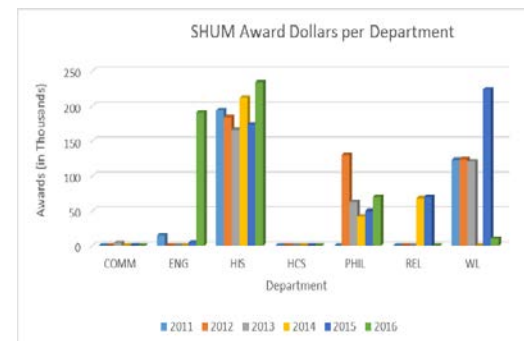
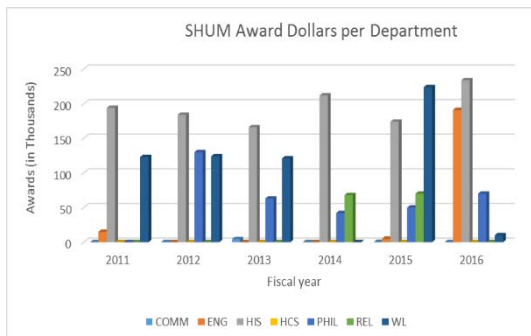
# **CAS Award Dollars by School and by Department**



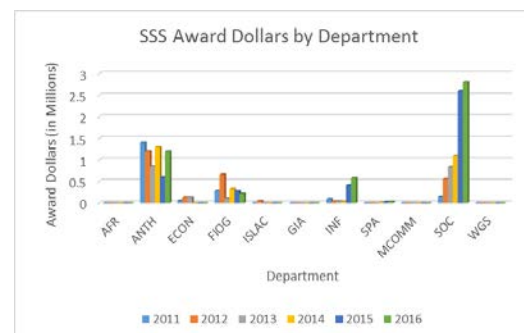
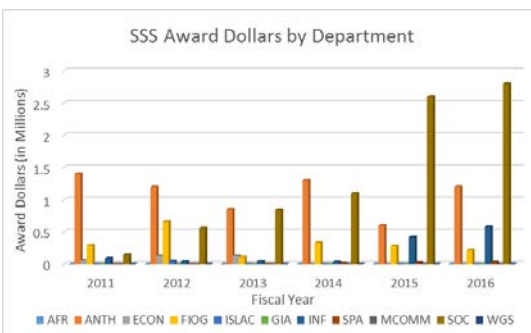
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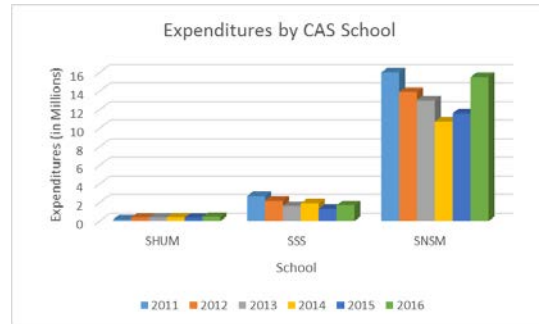
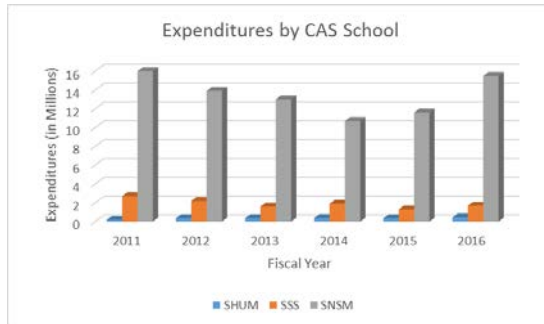
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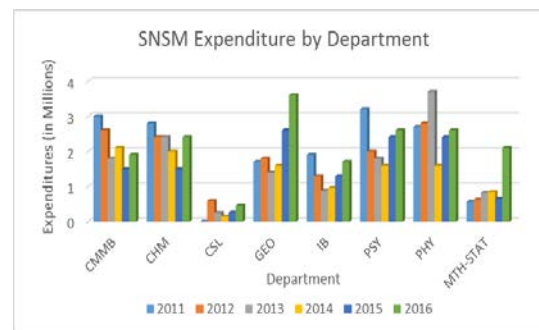
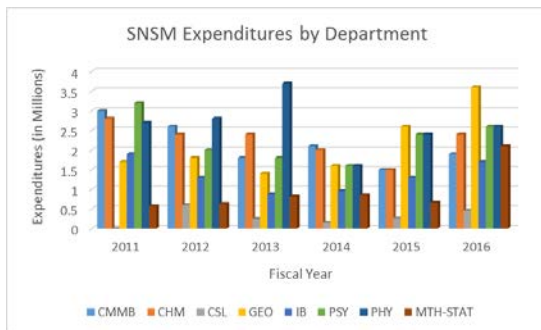
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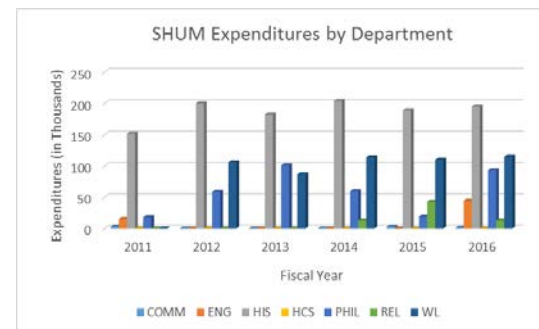
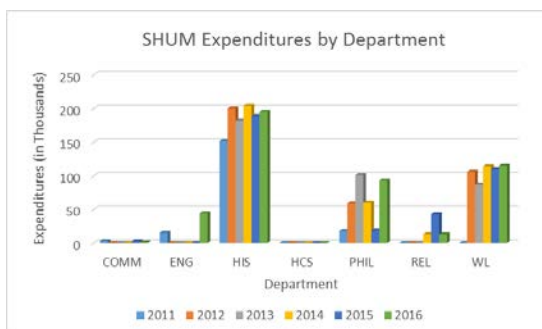
## **CAS Expenditures by School and by Department**



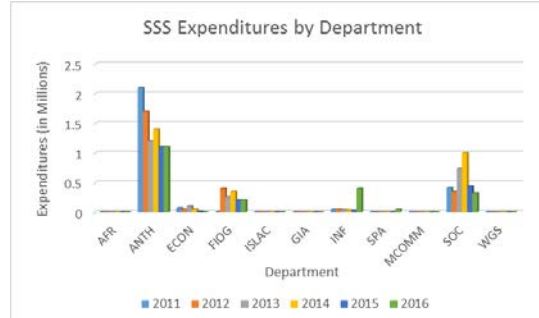
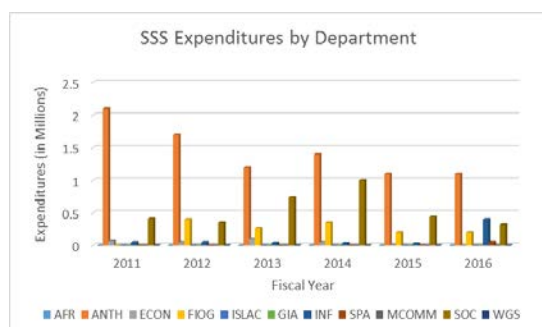
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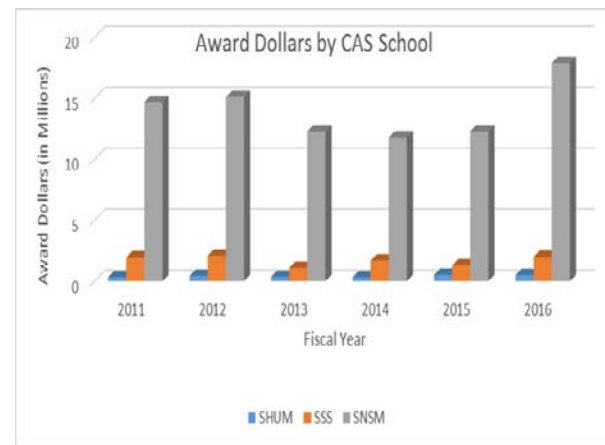
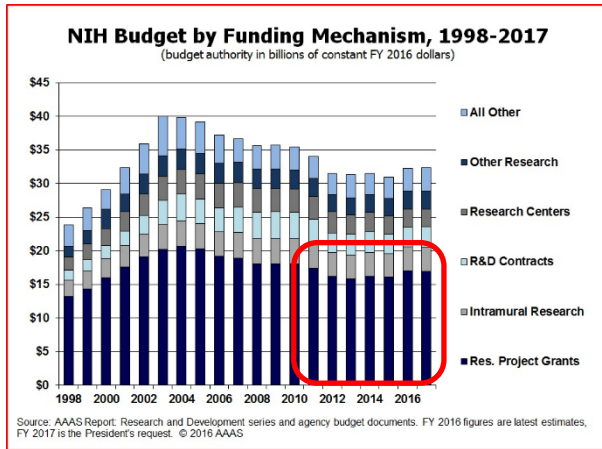
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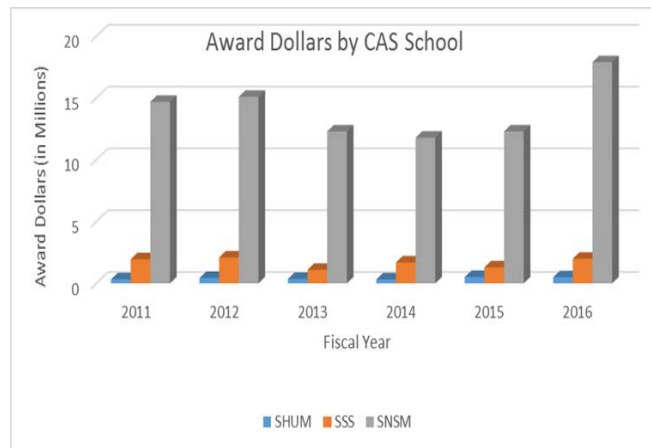
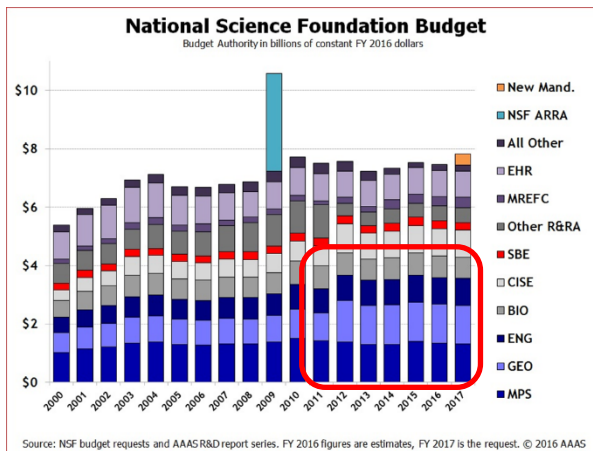
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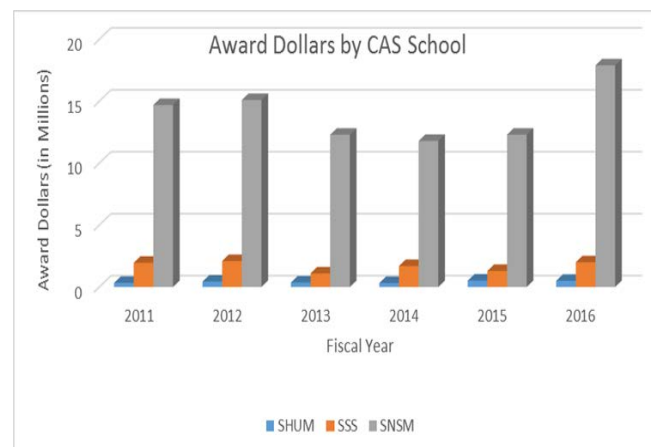
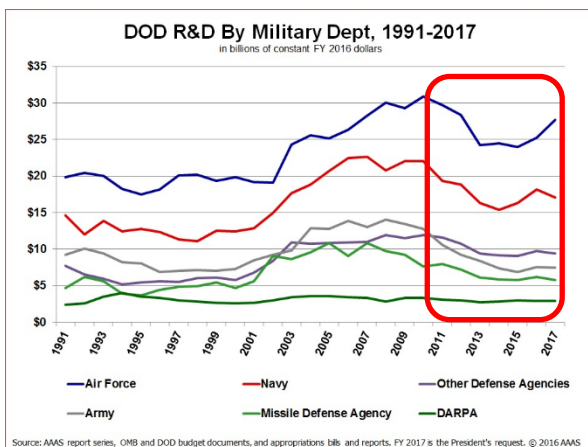
## **CAS Research Funding Compared to NIH Trends**



## **CAS Research Funding Compared to NSF Trends**

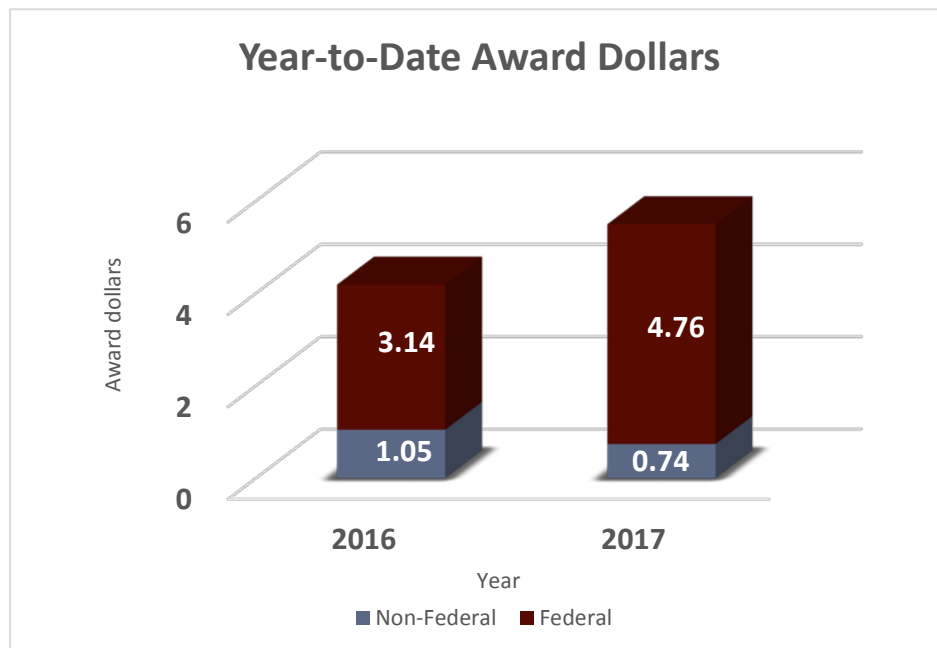
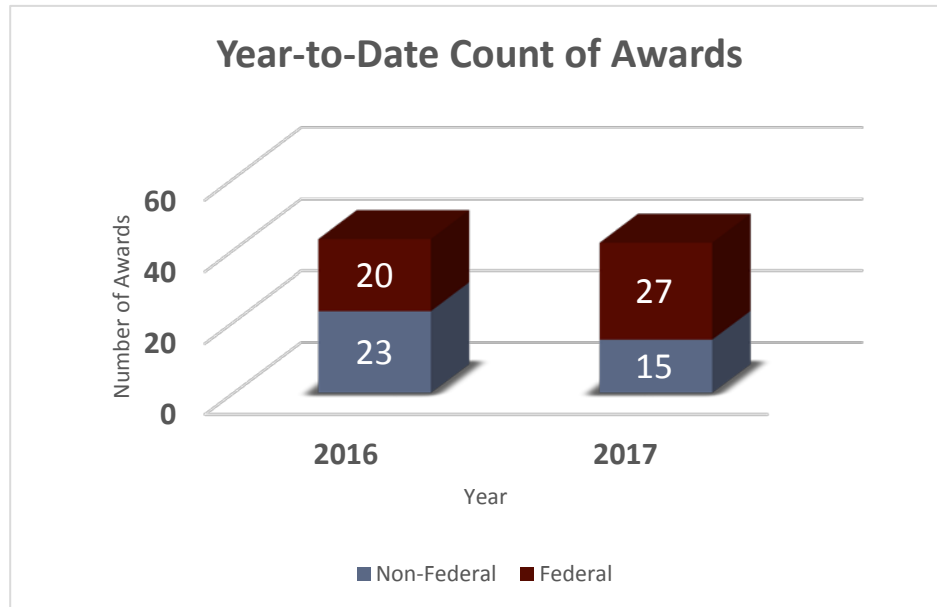


## **CAS Research Funding Compared to NSF Trends**



## **CAS YTD Research Funding Summary**

- CAS YTD total award dollars has increased 31% (over \$1 million) according to data obtained from ORI's website
- CAS YTD total expenditures are down 4% from \$2,048,549 FY16 to \$1,967,128 FY17 for the month of July.



Year -to-Date Proposal Request Dollars		
	2016	2017
Non-Federal	\$510,705	\$790,135
Federal	\$13,159,109	\$9,693,745
CAS YTD Total	\$13,669,814	\$10,483,880

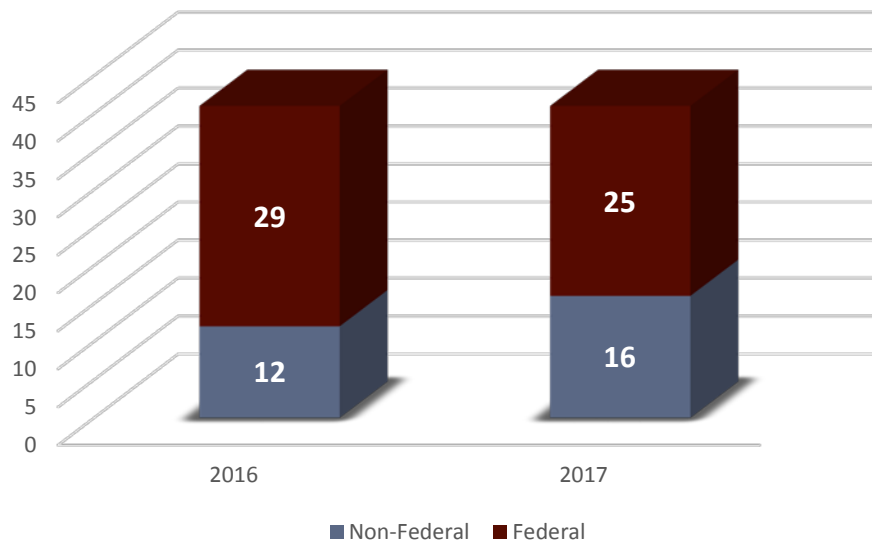
#### Year-to-Date Count of Awards

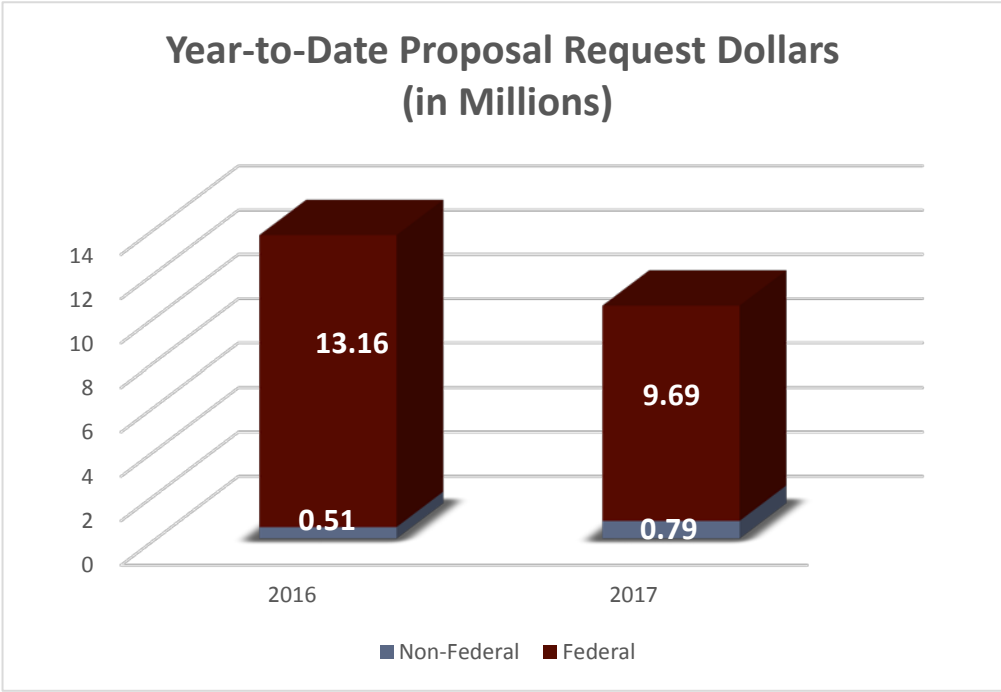
	2016	2017
Non-Federal	23	15
Federal	20	27
CAS YTD Total	43	42

#### Year -to-Date Award Dollars Received

	2016	2017
Non-Federal	\$1,046,441	\$736,999
Federal	\$3,141,334	\$4,757,754
CAS YTD Total	\$4,187,775	\$5,494,753

#### Year-to-Date Count of Proposals Submitted





**Year-to-Date Count of Proposals Submitted**

	2016	2017
Non-Federal	12	16
Federal	29	25
CAS YTD Total	41	41

**Year -to-Date Proposal Request Dollars**

	2016	2017
Non-Federal	\$510,705	\$790,135
Federal	\$13,159,109	\$9,693,745
CAS YTD Total	\$13,669,814	\$10,483,880