



# 2017

*Annual Report*



# 2017

## Total Awards

### \$685.7M

## 2017 Awards BY SPONSOR

**\$456.9M**  
FEDERAL

**\$90.8M**  
FOUNDATIONS

**\$53.4M**  
INDUSTRY

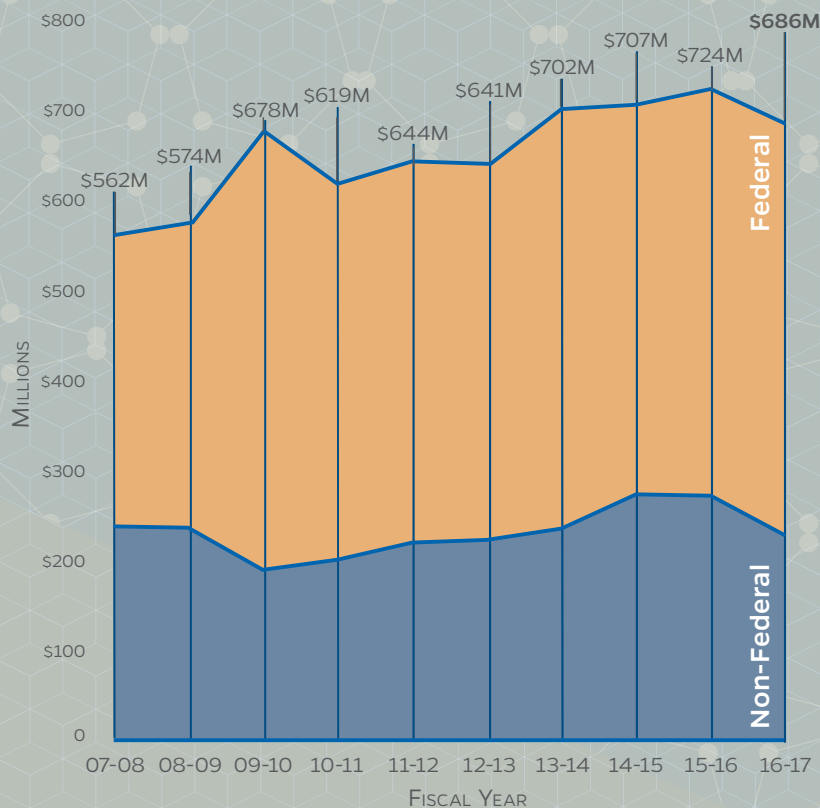
**\$53.9M**  
STATE/LOCAL

**\$30.7M**  
OTHER

HHS	\$251.4M
NSF	\$48.3M
USDA	\$46.5M
Education	\$28.6M
DOD	\$21.5M
VA	\$13.6M
Energy	\$10.9M
DOT	\$10.7M
NASA	\$4.8M
Commerce	\$4.5M
Justice	\$4.3M
USAID	\$4.1M
Interior	\$3.5M
Other	\$2.4M
EPA	\$1.8M

\*amounts rounded

## 2008-2017 SPONSORED AWARDS



## 2017 Awards BY ACADEMIC UNIT

**\$304.8M**  
COLLEGE OF  
MEDICINE

**\$107.5M**  
IFAS

**\$71.0M**  
WERTHEIM  
COLLEGE OF  
ENGINEERING

**\$37.3M**  
COLLEGE OF  
LIBERAL ARTS  
& SCIENCES

**\$165.1M**  
OTHER

College of Public Health & Health Professions	\$34.1M
College of Veterinary Medicine	\$22.7M
College of Medicine - Jacksonville	\$21.5M
College of Education	\$21.5M
College of Pharmacy	\$13.1M
College of Dentistry	\$12.0M
Centers & Institutes	\$11.7M
College of Health & Human Performance	\$6.9M
Florida Museum of Natural History	\$6.4M
Office of Research	\$5.2M
College of Design, Construction & Planning	\$3.8M
Other Colleges	\$3.1M
College of Journalism & Communications	\$1.8M
Graduate School	\$1.3M

## R&D Expenditures at Public Institutions

(Source: National Science Foundation, FY 2016)

1	University of Michigan	\$1.44B
2	University of California, San Francisco	\$1.29B
3	University of Washington	\$1.28B
4	University of Wisconsin	\$1.16B
5	University of California, San Diego	\$1.09B
6	University of North Carolina, Chapel Hill	\$1.05B
7	University of California, Los Angeles	\$1.04B
8	University of Minnesota	\$910.2M
9	Texas A&M University	\$892.7M
10	University of Pittsburgh	\$889.8M
11	M. D. Anderson Cancer Center	\$852.1M
12	Penn State University	\$825.6M
13	Ohio State University	\$818.5M
<b>14</b>	<b>University of Florida</b>	<b>\$791.3M</b>
15	Georgia Institute of Technology	\$790.7M
16	University of California, Berkeley	\$774.3M
17	University of California, Davis	\$741.9M
18	Rutgers University	\$630.2M
19	University of Illinois	\$625.2M
20	University of Texas	\$621.7M

**2017**  
**UF Innovate**

**11** STARTUPS

Transferring  
University of Florida  
discoveries from the  
laboratory to the  
market

**235\*** LICENSES/  
OPTIONS

\*Includes all UF license and option agreements, including those by OTL and the UF Institute of Food and Agricultural Sciences (IFAS).





In the 2018 U.S. News & World Report ranking of America's Best Colleges, the University of Florida was tied for ninth among all public universities. This is testimony to the decades-long efforts of administrators, faculty, staff and students to raise UF's profile through strategic investments in people and infrastructure.

Research and scholarship are at the heart of a university's reputation, and UF's faculty are national leaders in a myriad of disciplines. The Office of Research is proud to contribute to the university's advancing reputation by facilitating our faculty's efforts to secure funding for their research and scholarship from a wide variety of public and private sources.

Public universities also have an important obligation to transfer the discoveries made in our laboratories to the marketplace, where they can be commercialized to benefit society and contribute to the economic health of the state. UF Innovate has long been an international leader in this activity.

This year we highlight research that addresses eight areas of focus for the university — early childhood development, renewable energy, food safety and sustainability, medicine and global health, the brain, biodiversity and the Earth, cybersecurity, and drones and autonomous vehicles.

We are confident that continued collaboration between our faculty and the dedicated professionals in the Office of Research will result in the University of Florida continuing to grow in stature among the nation's best public universities.

**David Norton**  
Vice President  
for Research

### Early Childhood Development

With funding from the U.S. Department of Education and other sponsors, UF hosted an Early Childhood National Summit in February 2017 that focused on three areas — Discovering the Keys to Opening Young Minds; Influencing the Influencers to Unlock Children's Potential; and Inspiring New Initiatives for the Next Generation.

### Renewable Energy

Researchers in UF's Institute of Food and Agricultural Sciences are using a \$15-million grant from the U.S. Department of Agriculture to refine an inedible seed called *Brassica carinata* into a renewable jet fuel.







### Food Safety and Sustainability

UF Institute of Food and Agricultural Sciences researchers are using a \$49-million, five-year grant from the U.S. Agency for International Development to create the Feed the Future Innovation Lab for Livestock Systems, which is helping to improve livestock productivity and the incomes and nutrition of livestock holders in Africa and South Asia.

### Medicine and Global Health

UF is leading multiple institutions on a \$10-million grant from the Centers for Disease Control and Prevention to keep Zika and other vector-borne diseases from gaining a foothold in the United States. Florida is ground zero for such diseases, making UF's Emerging Pathogens Institute the logical place to conduct research on diseases like Zika, malaria, dengue, chikungunya and others.





### The Brain

UF engineers and neuroscientists are using an \$8.4-million grant from the Department of Defense to investigate how to improve cognitive skills training — the types of skills useful for specialists such as linguists, intelligence analysts and cryptographers — by using electrical stimulation to strengthen neuronal connections in the brain.

### Biodiversity and the Earth

UF is leading a five-year, \$15.5-million project funded by the National Science Foundation to digitize biodiversity collections in natural history museums around the country, which house about a billion specimens. iDigBio has already digitized 64 million specimen records and 14 million images.





### Cybersecurity

The Florida Institute for Cybersecurity Research is one of the only programs in the country that provides expertise in all areas of cybersecurity. For example, institute researchers have been leaders in identifying counterfeit hardware and developing early-warning systems against ransomware.

### Drones and Autonomous Vehicles

Researchers in UF's Southeastern Transportation Research, Innovation, Development and Education Center are addressing traffic congestion through the use of new technologies available in vehicles, telecommunications capabilities and shared autonomy in transportation.



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