

**LEARN. CREATE. DISCOVER. INNOVATE.**

**Ranked 85<sup>th</sup>**

for research activity,  
NSF HERD Survey, FY19

**81<sup>st</sup>**

for federal research  
expenditures, FY19

**Top 5**

research activity  
in Pennsylvania

**R1**

Very High Research Activity  
Carnegie Classification

**96**

research-based  
inventions

**Temple University Research Expenditures**

	2015	2016	2017	2018	2019
<b>Temple University</b>	\$187,687,000	\$200,275,000	\$214,219,000	\$222,312,000	\$207,362,000
<b>Fox Chase Cancer Center</b>	\$54,287,000	\$56,759,000	\$59,290,000	\$74,841,000	\$76,939,000
<b>Total</b>	\$241,974,000	\$257,034,000	\$273,509,000	\$279,153,000	<b>\$284,301,000</b>

**Research Enterprise Funding Profile**

**Cross Disciplinary, University-wide Projects**

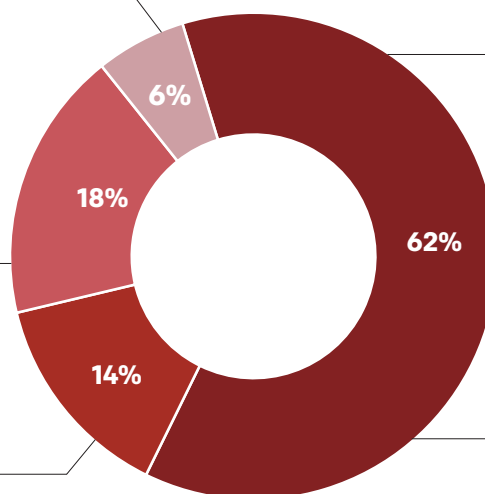
\$13.4 M in Funding secured through formula allocations, appropriations requests and central administrative units

**Social, Education, Arts, and Humanities Research**

\$43.7 M in Funding to faculty in Liberal Arts, Tyler, Klein, Business, Law and Education

**Science and Technology**

\$32.7 M in Funding to faculty in Science, Technology and Engineering



**Medicine**

\$89 M in Funding to faculty in the School of Medicine

**Fox Chase Cancer Center**

\$37 M in Funding provided to Fox Chase Faculty members

**Health Sciences Research**

\$24.2 M in Funding to faculty in Pharmacy, Dentistry, Podiatric Medicine, and Public Health

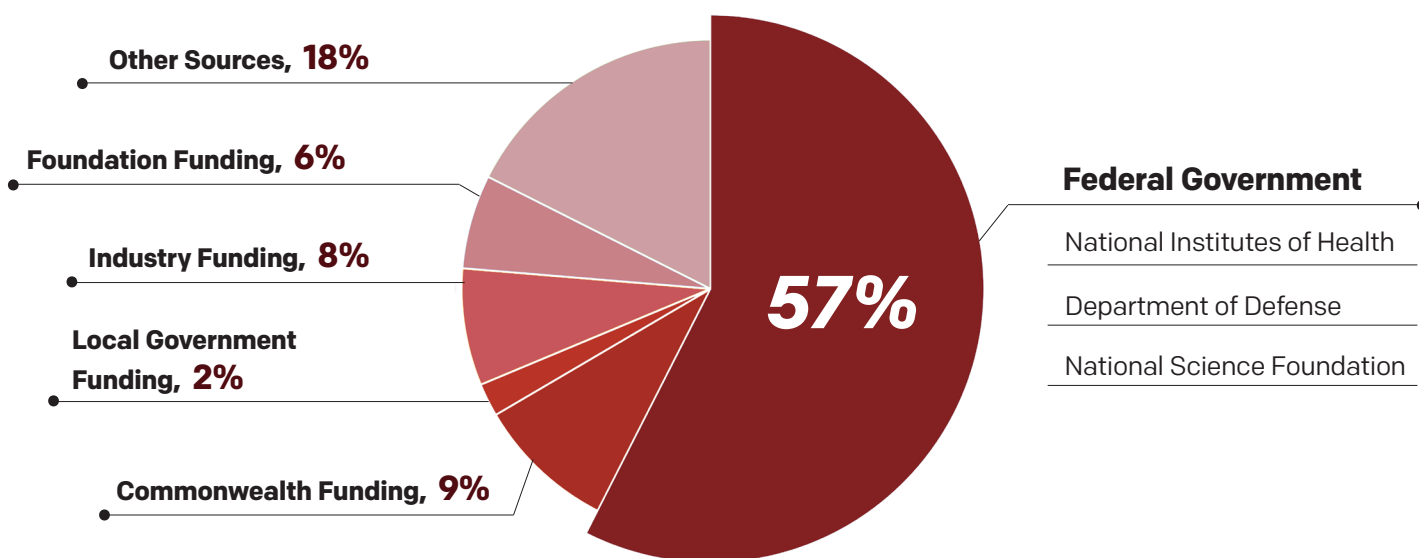
# Research Awards and Proposals

**1 Billion+**  
proposed in 2020

	2016	2017	2018	2019	2020
<b>Dollars Awarded</b>	\$181,198,031	\$173,066,969	\$182,215,902	\$192,530,003	\$203,190,996
<b>Dollars Proposed</b>	\$1,053,141,196	\$1,075,448,294	\$1,074,637,400	\$1,049,875,393	\$1,062,757,650

Including Fox Chace Cancer Center in 2020 | Dollars Awarded \$240,262,178 | Dollars Proposed \$1,208,683,163

## Sources of Research Funding



## Faculty Highlights

Erik Cordes-Along with researchers aboard the Okeanos, Cordes discovered a new 85 linear mile coral reef off the coast of South Carolina

Keck Award, College of Science and Tech

25th Worldwide in Google Scholar Citations

2 Nobel Prize winners

15 Guggenheim Fellows

2 MacArthur Fellows

## Award Highlights

Grace Ma Received Temple's first U54 award to establish a Regional Comprehensive Cancer Health Disparities Partnership, continuing her community based work to end health disparities

ARL-In an expansion of Temple's cooperative agreement with ARL, an interdisciplinary team of faculty will research machine learning and artificial intelligence.

\$20 million cooperative agreement with Army Research Lab, largest single year award ever

\$12 million Department of Energy Frontiers in energy research grant

2017 Keck Award, College of Science and Technology

## Technology Commercialization Snapshot

FY 2020*	Temple	Fox Chase	Temple/FCCC Consolidated
Inventions	66	30	96
New Patents Filed	19	6	25
Licenses/Options	7	13	20
Licensing Income	\$639,371	\$552,202	\$1,191,573
Awarded Patents	14	8	22
Startups	3	0	3

# SPINOUT

Companies formed based on Temple discoveries account for:

**\$47.7 M in Startup Funding Raised**

**\$2.2 M in Startup Research Funding to Temple**

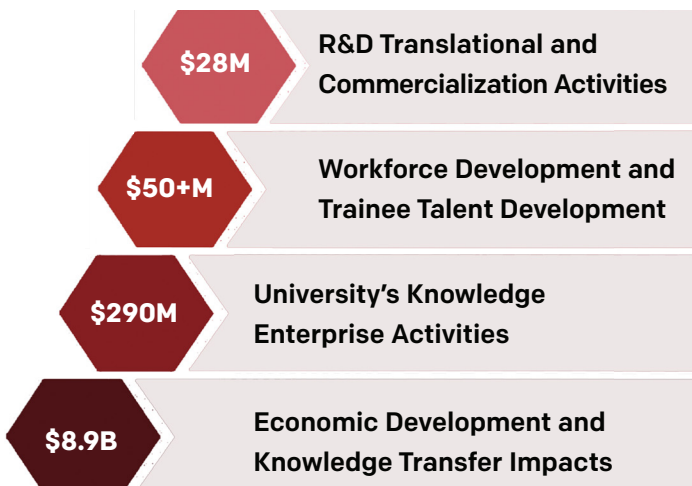
**Thrombolex First-In-Human Trial Confirms Early Safety and Feasibility of the Bashir® Endovascular Catheter**

**Renovacor Inc. raises \$11M in Series A financing, co-led by Novartis Venture Fund, Broadview Ventures and BioAdvance**

**SFA Therapeutics awarded "Save Our Start-ups" (SOS) grant to advance a COVID-19 treatment**

**HGE Health launches COVID Care Platform to onboard patients, employees, and frontline**

## Economic Impact



## About the Office of the Vice President for Research

Temple University is the proud home to a world-class research and knowledge enterprise that has achieved excellence at the **cutting edge of discovery in basic and life sciences**; the **advancement of the frontiers of science and technology**; and **translational and societal research** that addresses the most complex, compelling and challenging problems we face.