

Reported to the Board of Trustees  
July 25, 2019

# University of Illinois at Chicago



## Performance Metrics

RESEARCH PERFORMANCE UPDATES BY:  
UNIVERSITY OFFICE FOR PLANNING AND BUDGETING  
JUNE 14, 2019

REPORTED BY:  
CHANCELLOR MICHAEL D. AMIRIDIS  
JULY 25, 2019

# PEER GROUPS

## **Peer Group**

University at Buffalo  
University of Alabama at Birmingham  
University of Cincinnati  
University of Connecticut  
University of Kentucky  
University of New Mexico  
University of South Florida  
University of Utah  
Virginia Commonwealth University

## **Aspirational Peer Group**

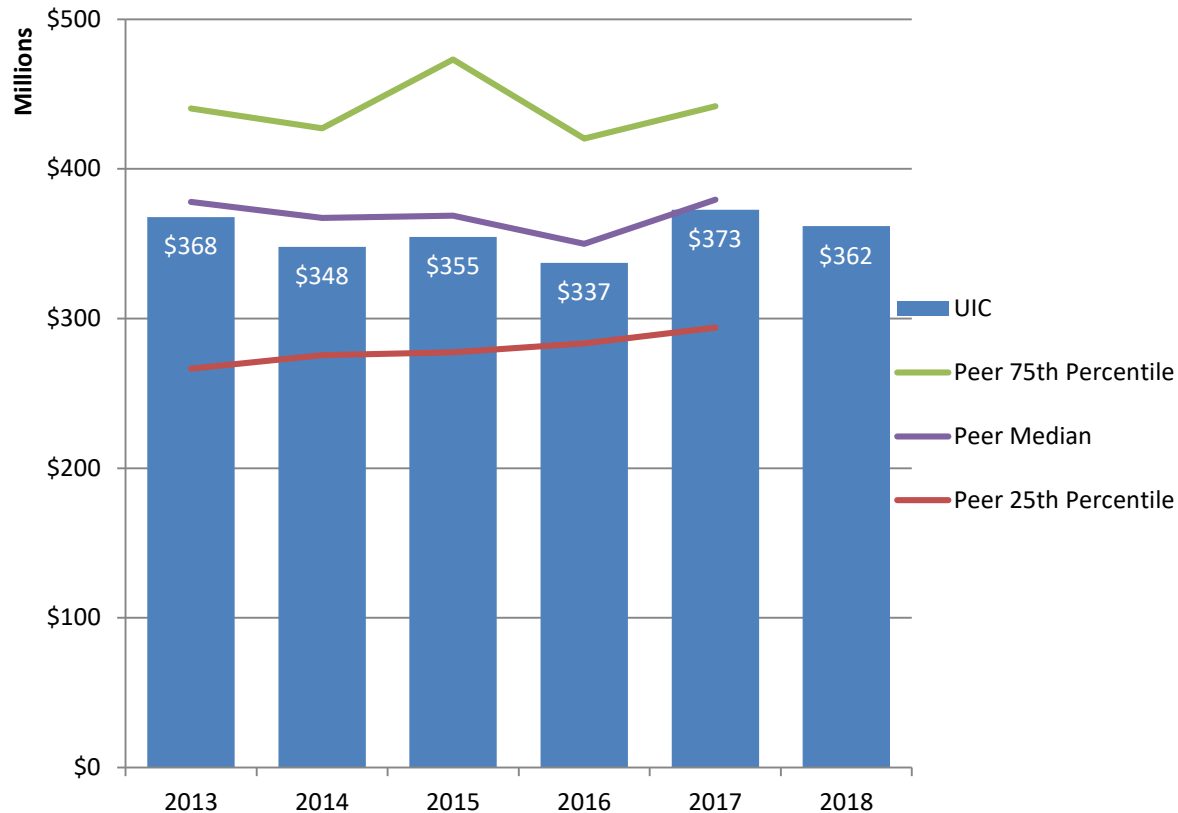
Rutgers University  
University of Arizona  
University of California – Los Angeles  
University of California – Irvine  
University of Washington



# RESEARCH PERFORMANCE

# UIC AND PEER GROUP TOTAL RESEARCH AND DEVELOPMENT EXPENDITURES: FY 2013 – FY 2018

**UIC research and development expenditures have been near the peer group median over the past five years.**



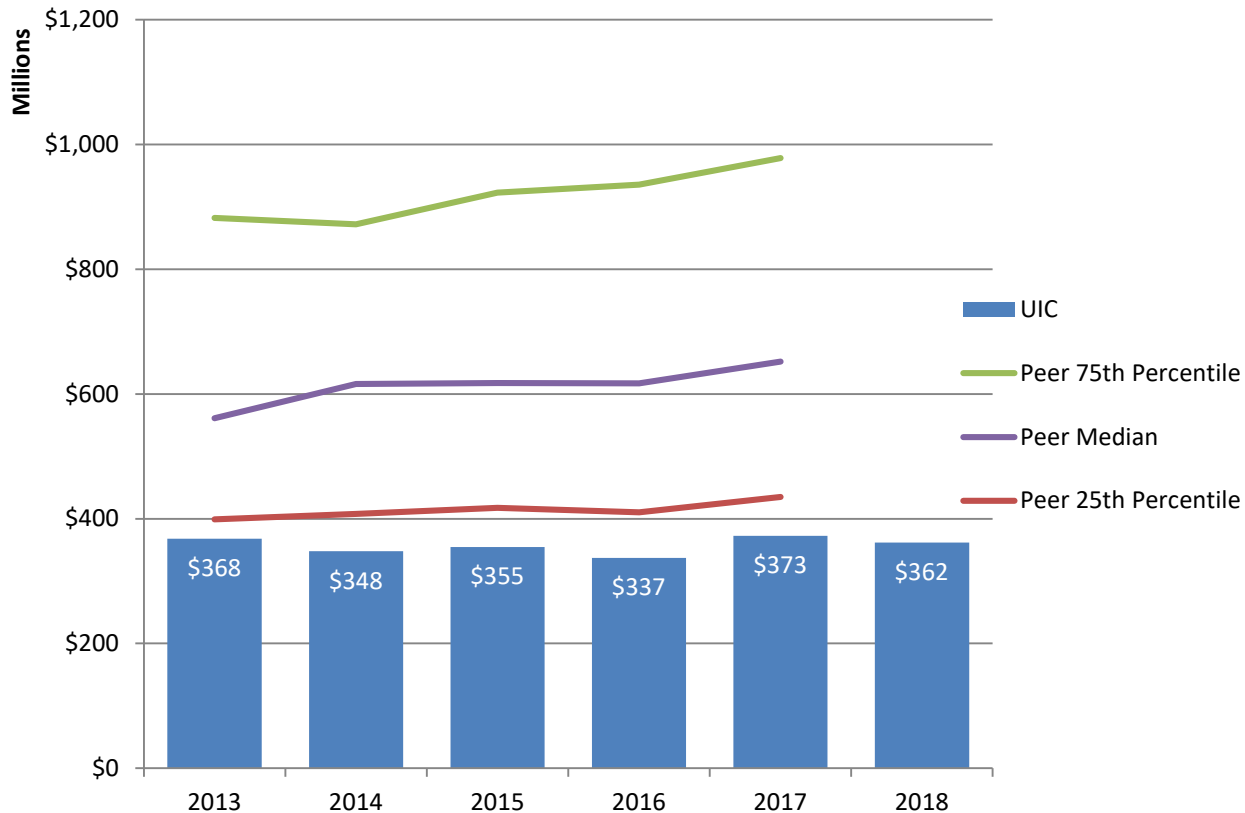
Source: Higher Education Research and Development Survey (HERD). FY 2018 peer data not available.



## UIC AND ASPIRATIONAL COMPARISON GROUP

### TOTAL RESEARCH AND DEVELOPMENT EXPENDITURES: FY 2013 – FY 2018

UIC research and development expenditures have been lower than the aspirational peer group 25<sup>th</sup> percentile over the past five years.



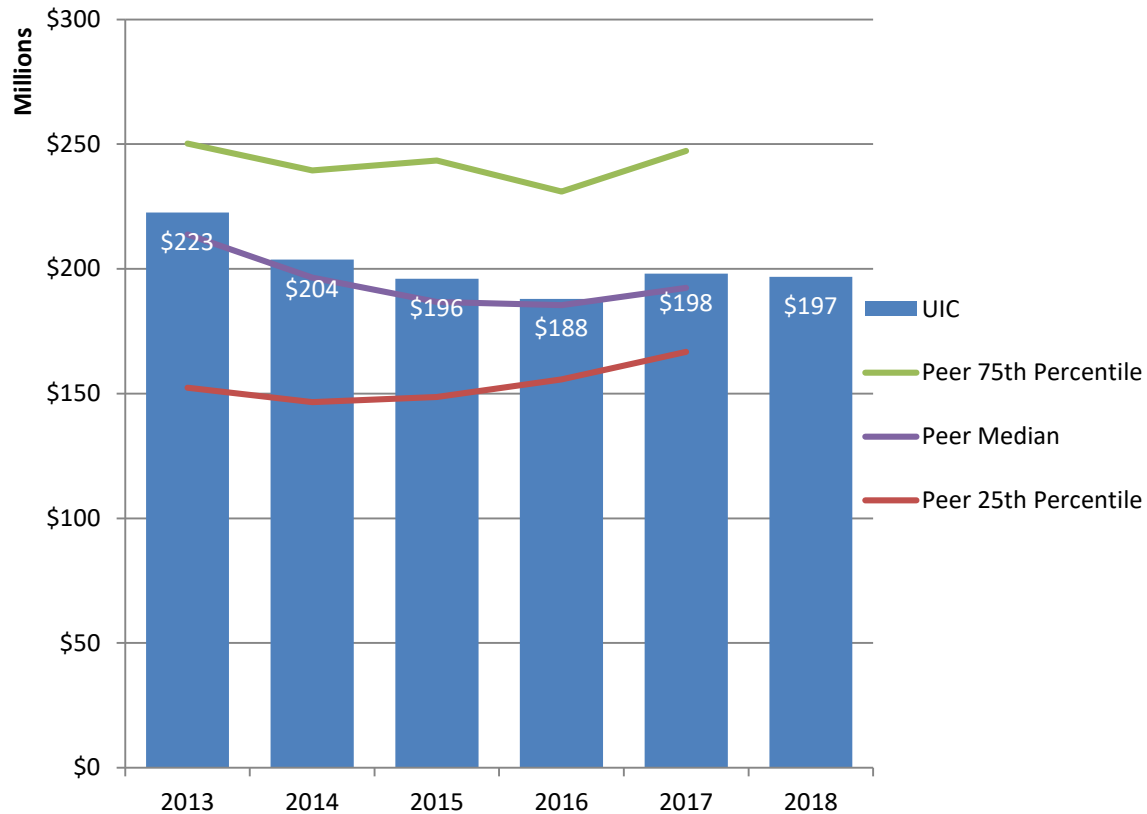
Source: Higher Education Research and Development Survey (HERD). FY 2018 peer data not available.



# UIC AND PEER GROUP

## TOTAL FEDERAL RESEARCH EXPENDITURES: FY 2013 – FY 2018

UIC federal research and development expenditures have been above the peer group median over the past five years.



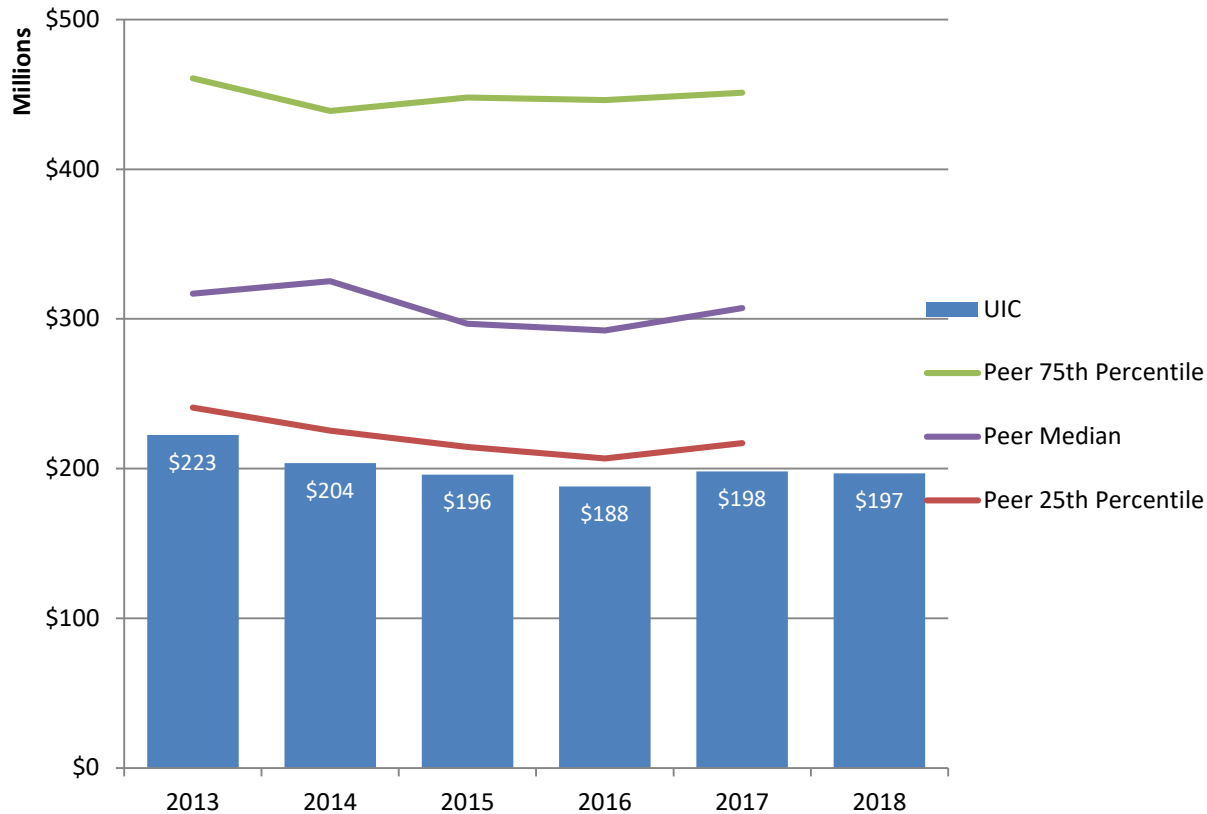
Source: Higher Education Research and Development Survey (HERD). FY 2018 peer data not available.



# UIC AND ASPIRATIONAL COMPARISON GROUP

## TOTAL FEDERAL RESEARCH EXPENDITURES: FY 2013 – FY 2018

UIC federal research and development expenditures have been lower than the 25<sup>th</sup> aspirational peer group percentile over the past five years.



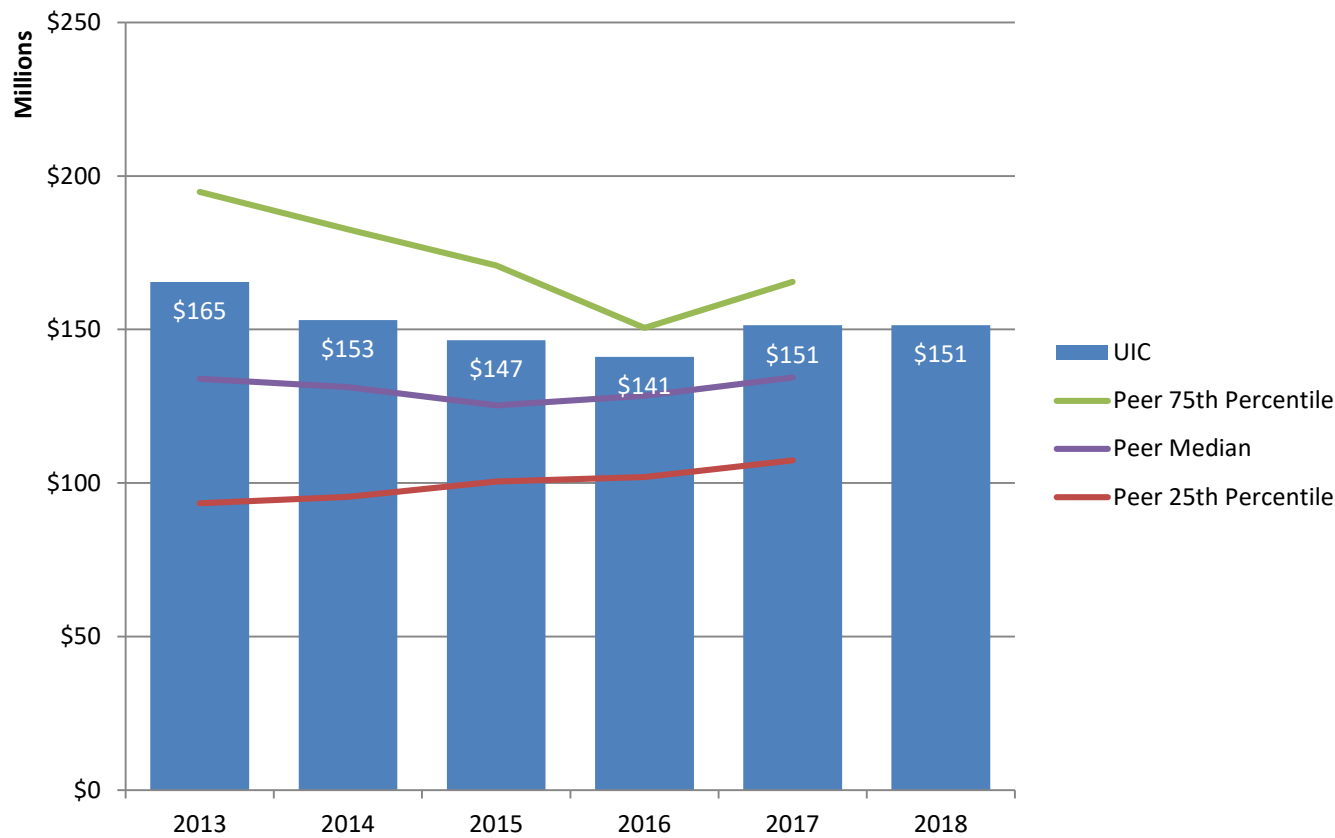
Source: Higher Education Research and Development Survey (HERD). FY 2018 peer data not available.



# UIC AND PEER GROUP

## DEPARTMENT OF HEALTH AND HUMAN SERVICES (INCLUDING NIH) RESEARCH AND DEVELOPMENT EXPENDITURES: FY 2013 – FY 2018

UIC receives more HHS funding than the peer group median. NIH is the largest source of federal R&D funding for UIC.

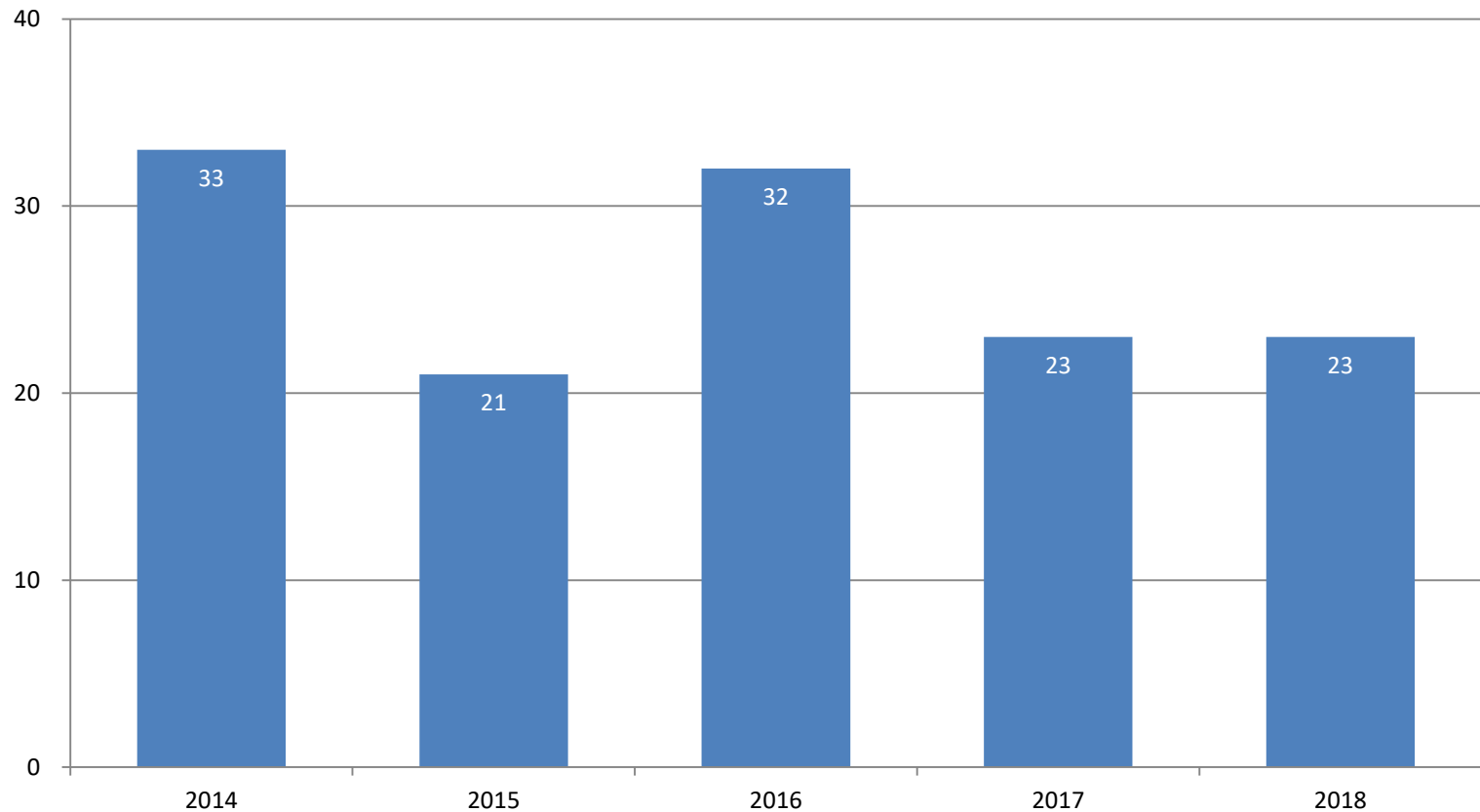


Notes: Some institutions reported combined campus data. FY 2018 peer data not available.



## NUMBER OF U.S. PATENTS ISSUED FY 2014– FY 2018

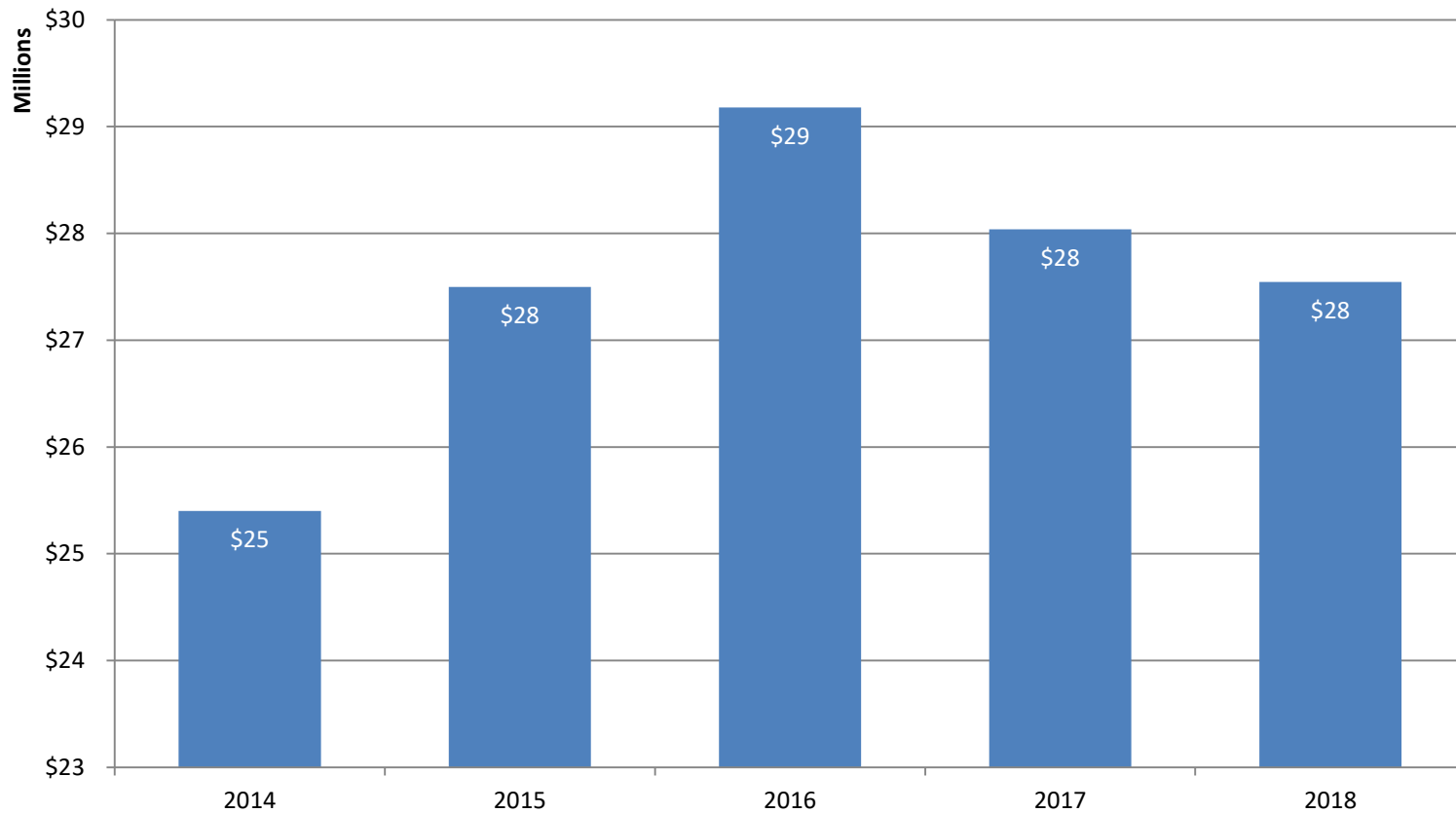
In recent years, the number of patents issued to UIC has ranged from a low of 21 in FY 2015 to a high of 33 in FY 2014, and stands at 23 in FY 2018.



# ROYALTIES

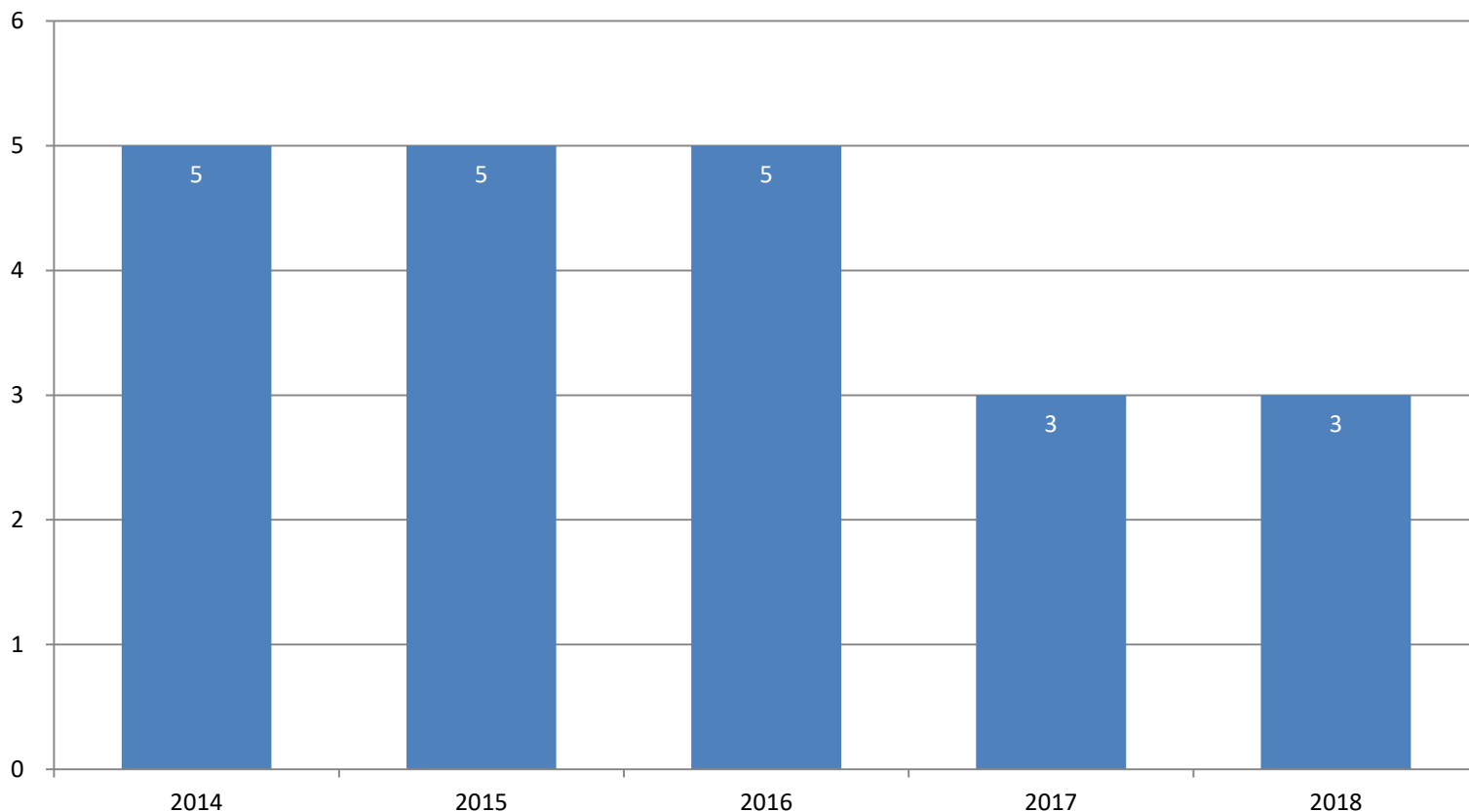
## FY 2014 – FY 2018

UIC licensing revenue has ranged from \$28 to \$29 million the last four years. Much of this growth is the result of royalties from the licensed patents for Prezista.



# NUMBER OF NEW START-UP COMPANIES FORMED FY 2014 – FY 2018

Over the last five years, the number of new technology companies developed at UIC has ranged between three and five new companies.



## UIC FY17 AND FY18 RESEARCH METRICS: INCREASED NUMBER OF AWARDS IN FY18 SUGGESTS EXPECTED INCREASE IN EXPENDITURES FOR FY19

**\$373M**

Total FY17  
research  
expenditures\*

**10.5%**  
Increase in  
research  
expenditures  
FY16 to FY17

~1,560 awards  
in FY17

**\$362M**

Total FY18  
research  
expenditures^

**2.8%**  
Decrease in  
research  
expenditures  
FY17 to FY18^

~1,690 awards  
in FY18, an  
8.0% increase  
from FY17

\*Based on institutional numbers provided for FY17 NSF Higher Education R&D Survey.

^Based on preliminary FY18 institutional numbers.

NOTE: Expenditures typically lag awards by 1 year; FY18 decrease informed by FY17 award #s.

## INCREASE IN NATIONAL DESIGNATIONS AND RANKINGS

Ranked 68<sup>th</sup> in  
total research  
expenditures  
for FY16\*

Ranking  
increased to  
63<sup>rd</sup>  
in total research  
expenditures for  
FY17\*

Designated  
Minority,  
Hispanic & Asian  
American/Native  
American/Pacific  
Islander Serving  
Institution  
(MSI/HSI/AANAPISI)

Ranks 52<sup>nd</sup>  
in 2018 NIH  
funding for  
AAMC  
Colleges of  
Medicine<sup>^</sup>

\*Based on institutional numbers provided for NSF Higher Education R&D Survey.

<sup>^</sup>Based on Blue Ridge Institute for Medical Research (BRIMR) rankings for Association of American Medical Colleges.

# NOTABLE UIC AWARDS RECEIVED DEMONSTRATE STRENGTH IN CLINICAL AND STEM ENTERPRISES

**\$4.0M**

Illinois Precision Medicine Consortium “All of Us” Research Program

– Martha Daviglus MD, PhD

**\$14.6M**

Patient-Centered Outcomes Research Institute (PCORI) – “The PARTNER Study” (largest award ever granted by PCORI)

– Jerry Krishnan MD, PhD

**\$4.2M**

DOE ERC Award for evaluation and installation of Combined Heat and Power (CHP) technologies in the Midwest

– Clifford Haefke MBA

**\$7.0M**

Patient-Centered Outcomes Research Institute (PCORI) – “CATCH-IT” program

– Benjamin Van Voorhees MD

**\$3.0M**

DARPA “CHESS Vulnerability Analysis Contract”

– Venkatakrishnan Venkatesan Natarajan PhD

**\$12.0M**

HCHS/SOL - Study of Latinos: Largest ever prospective epidemiological study of Latino/a health risks

– Martha Daviglus MD, PhD

# **CONTINUED FUNDING OF NOTABLE CENTERS SHOWS ONGOING STRENGTH ADDRESSING COMMUNITY ENGAGEMENT & HEALTH EQUITY**

## **Center for Clinical and Translational Science**

\$14.6M (Total 2016-2020) NIH award to translate scientific discoveries into better health and medicine, and to conduct innovative clinical and translational research

## **Office of Community Engagement and Neighborhood Health Partnerships**

\$5.9M (Total 2019-2024) CDC/HRSA award to eliminate disparities in perinatal health

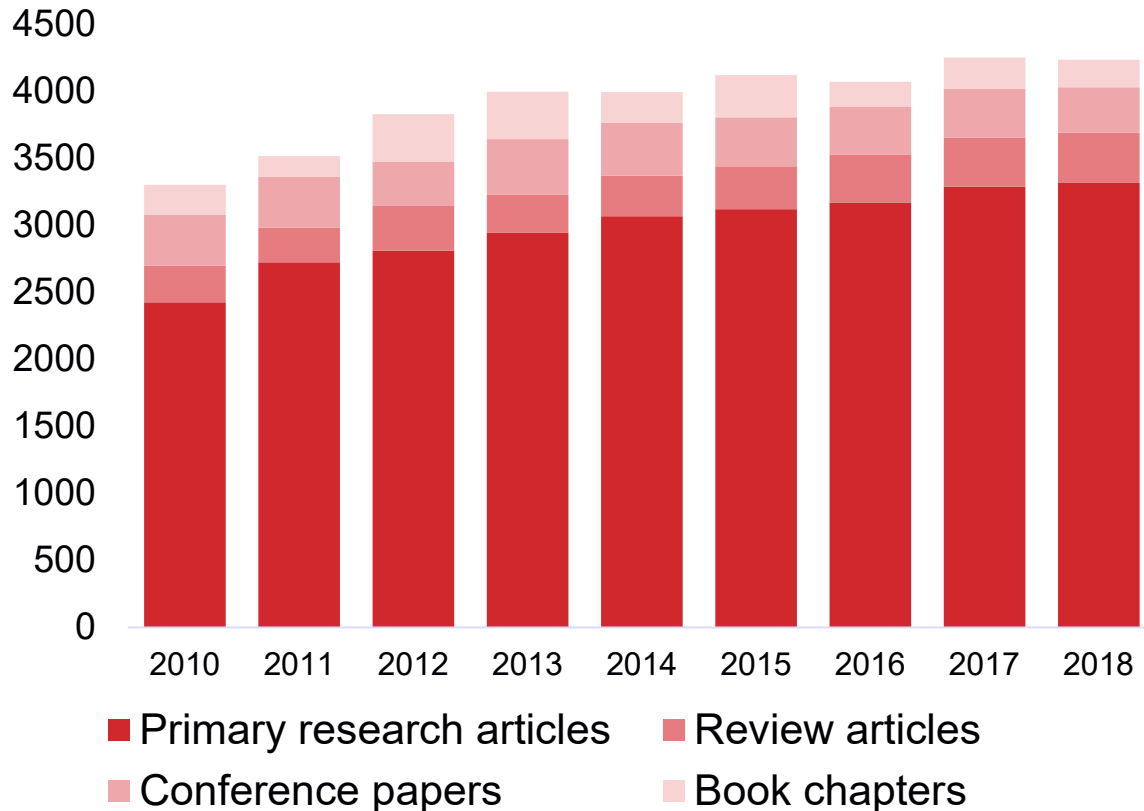
## **Nathalie P. Voorhees Center for Neighborhood and Community Improvement**

\$2.7M (Total 2018-2019) Department of Defense award to assist Illinois' military-dependent communities

## **Center for Health Equity Research**

\$6.75M (Total 2017-2022) NIH award to sustain a center of excellence for minority health and health disparities research

# UIC TOTAL FACULTY PUBLICATIONS HAVE STEADILY INCREASED SINCE 2010

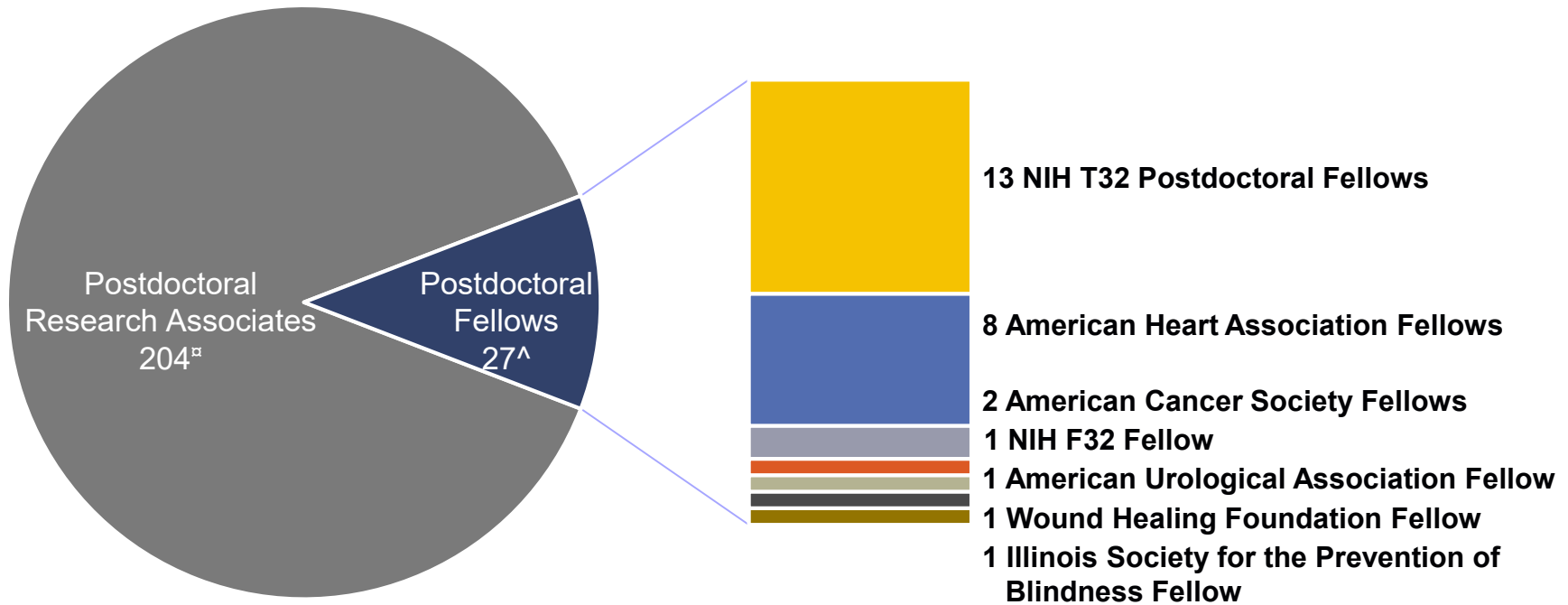


More than 28 books published annually on average since 2010

Source: Scopus  
Excludes letters, editorials, errata, reports, retractions.



# UIC POSTDOCTORAL SCHOLARS\*: DEVELOPING THE NEXT GENERATION RESEARCH WORKFORCE



Newly-awarded individual (non-T32) fellowships<sup>^</sup> have increased.

7                      10  
FY18      →      FY19

UIC currently has 10 NIH T32+ awards funding postdoctoral fellows.

\*Postdoctoral Scholars include internally funded Postdoctoral Research Associates<sup>□</sup> and externally funded Postdoctoral Fellows<sup>^</sup>.

<sup>+</sup>T32 NIH Training Grant Program awards institutional funding to support trainees. UIC has 10 awards in various program areas.