

Reported to the Board of Trustees
July 13, 2017

University of Illinois at Chicago



Performance Metrics

RESEARCH PERFORMANCE UPDATES BY:
UNIVERSITY OFFICE FOR PLANNING AND BUDGETING
JUNE 9, 2017

REPORTED BY:
CHANCELLOR MICHAEL D. AMIRIDIS
JULY 13, 2017

PEER GROUPS

Peer Group

University of Illinois at Chicago
SUNY, University at Buffalo
University of Alabama at Birmingham
University of Cincinnati
University of Connecticut
University of Louisville
University of South Florida - Tampa
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



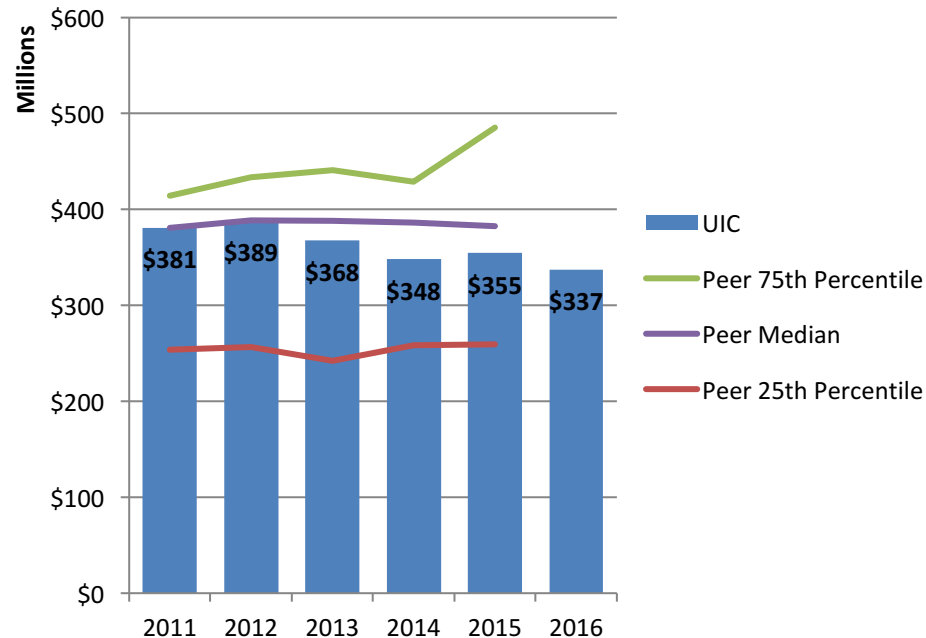
RESEARCH PERFORMANCE



UIC AND STANDARD PEER GROUP

TOTAL RESEARCH AND DEVELOPMENT EXPENDITURES: FY 2011 – FY 2016

UIC was the median in FY 2012, but two years of 5% declines (FY 2013 and FY 2014) dropped UIC below the median, where it remains.



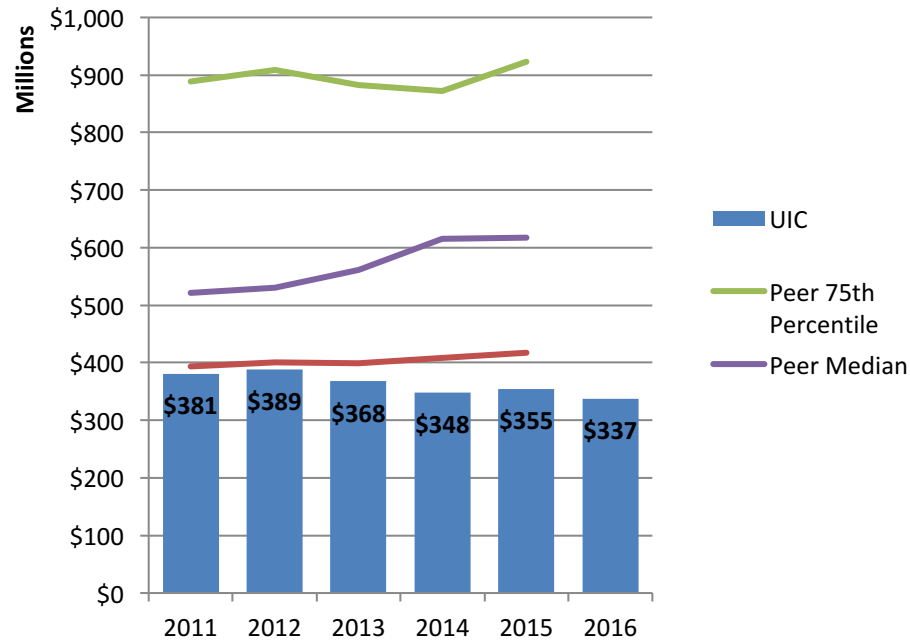
Source: NSF Survey of Research and Development Expenditures. FY 2016 peer data not available.



UIC AND ASPIRATIONAL COMPARISON GROUP

TOTAL RESEARCH AND DEVELOPMENT EXPENDITURES: FY 2011 – FY 2016

UIC research and development expenditures are lower than the aspirational peer median. UIC was near the aspirational peer group 25th percentile in FY2010 through FY2012, and fell behind the 25th percentile in FY2014, where it remains.

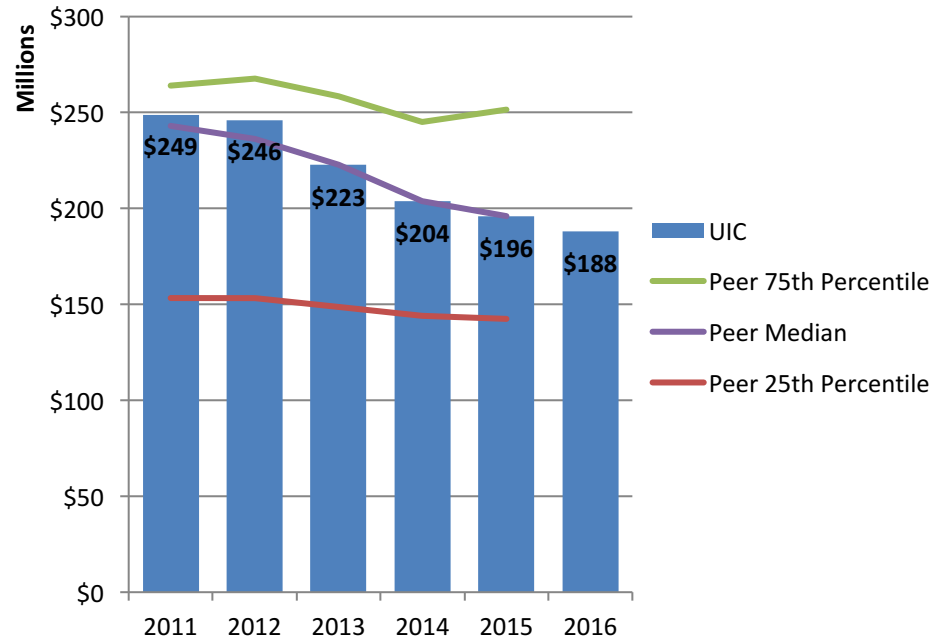


Source: NSF Survey of Research and Development Expenditures. FY 2016 peer data not available.

UIC AND STANDARD PEER GROUP

TOTAL FEDERAL RESEARCH EXPENDITURES: FY 2011 – FY 2016

Since FY 2012, total federal research expenditures have declined for the peer group and UIC. Despite declines, UIC has been at the median since FY2013.

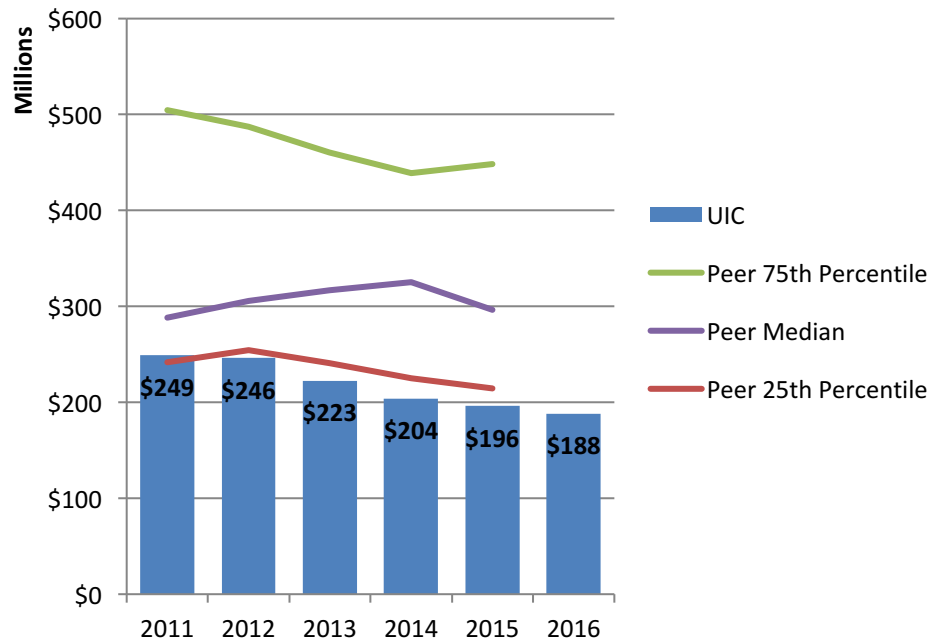


Source: NSF Survey of Research and Development Expenditures. FY 2016 peer data not available.

UIC AND ASPIRATIONAL COMPARISON GROUP

TOTAL FEDERAL RESEARCH EXPENDITURES: FY 2011 – FY 2016

Total UIC federal research expenditures are lower than the aspirational peer group 25th percentile.

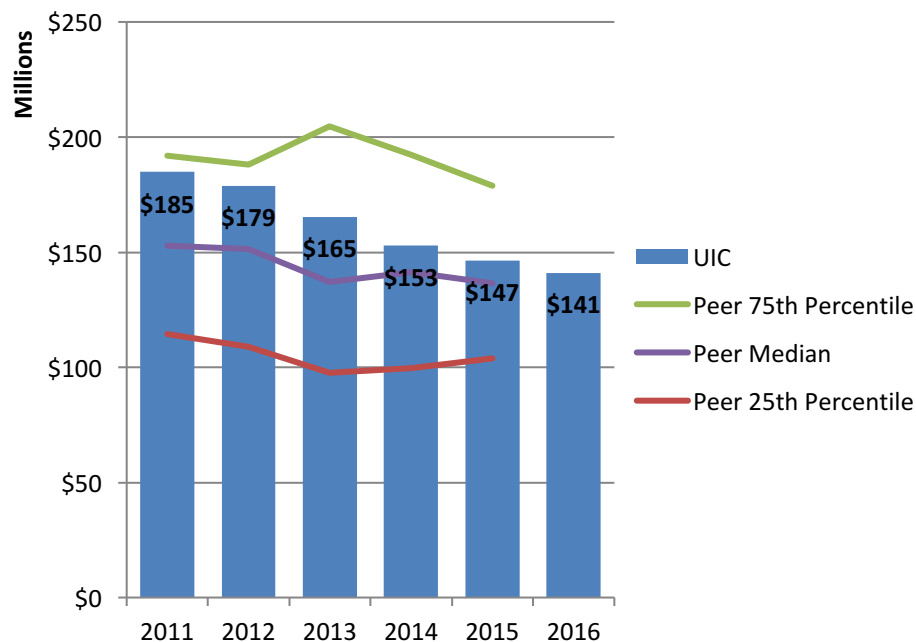


Source: NSF Survey of Research and Development Expenditures. FY 2016 peer data not available.

UIC AND STANDARD PEER GROUP

DEPARTMENT OF HEALTH AND HUMAN SERVICES (INCLUDING NIH) RESEARCH AND DEVELOPMENT EXPENDITURES: FY 2011 – FY 2016

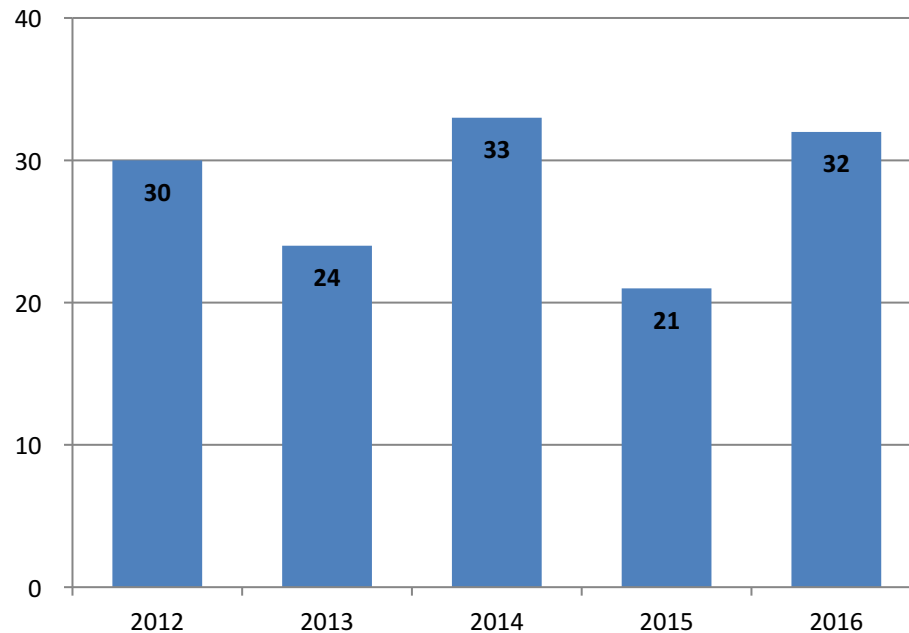
UIC receives more HHS funding than the peer group median and is consistently ranked in the top four among its peers. NIH is the largest source of Federal R&D funding for UIC.



Notes: Some institutions reported combined campus data. FY 2016 peer data not available.

NUMBER OF U.S. PATENTS ISSUED FY 2012– FY 2016

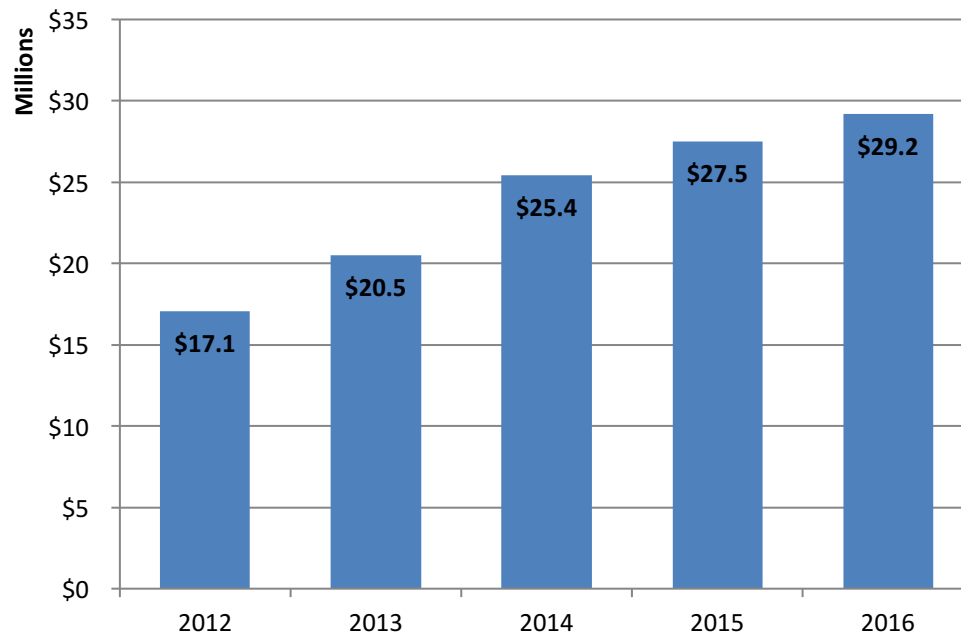
The number of patents issued to UIC increased in FY 2016 to 32, the second highest number in recent years, and above the average of 28 over the last five years.



ROYALTIES

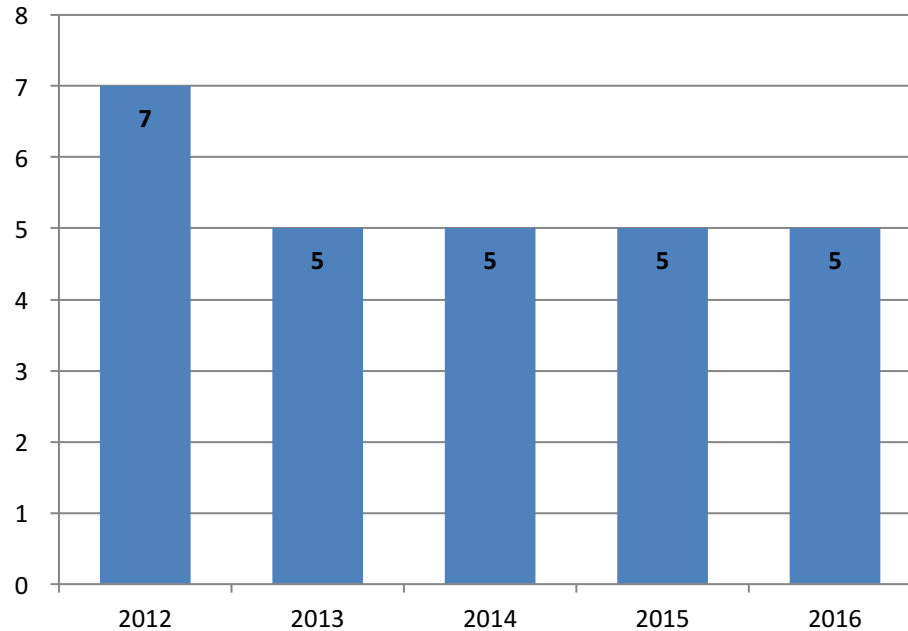
FY 2012 – FY 2016

UIC licensing revenue has steadily increased since FY 2012. Most of this growth is the result of royalties from the licensed patents for Prezista. In FY 2015, a total of 86% of licensing revenue was received from Prezista (\$23.7 million). In FY 2016, total licensing revenue increased to \$29.2 million, with a decrease in revenue from Prezista at \$22.4 million and \$22.3 million projected in FY2017.



NUMBER OF NEW START-UP COMPANIES FORMED FY 2012 – FY 2016

In FY 2016, the number of new technology companies developed at UIC is consistent with the previous three years.



AREAS EXCEEDING EXPECTATIONS: UPGRADING RESEARCH INFRASTRUCTURE SUPPORT

- OVCR, in partnership with UIUC, UIS and AITS, developed a grants management system leveraging open source (Kuali Coeus), as well as University of Illinois developed software under the START (Systemwide Tools for Administration of Research and Training) umbrella:
 - **myResearch Portal:** integrates and displays information from a number of different University systems of record (Banner and UleRA), giving faculty access to information needed to manage their grants. PI's can now see human subjects protocol information in the myResearch Portal
 - **myDisclosures:** online review and submission of Reporting of Non-University Activities for Faculty and Academic Professionals (RNUA)
 - **myProposals** (Pre-Award Back Office): released in June 2016, allows for viewing, tracking and negotiations, reporting and closing out of Proposals and Awards. The Proposal Submission and Routing module will be available to faculty in late FY18
- OVCR developed the following systems in house:
 - The Office of Research Services rolled out ORS Web in Fall 2016 allowing PI's to electronically submit proposals and other documents
 - OPRS Live has been available to the entire campus for one year. We are currently ensuring the system is ready to comply with changes to the Common Rule

AREAS EXCEEDING EXPECTATIONS: STUDENT SUCCESS AND EXPERIENCE

Student Research Forum:

- Students present their scholarly efforts and celebrate the depth and breadth of research across all disciplines
- April 2017, over 330 students registered to participate in the event
- Impact Day, students were given the choice of giving an oral presentation/ demonstration or presenting a poster which discussed their experience in various areas (research, study abroad, internships) rather than the research itself

Research Resources Center (RRC):

- Participated in or gave lectures at over 61 workshops/courses this past year and have provided hands on learning to students
- Trained over 392 undergraduate and graduate students to use the instrumentation in the Core facilities within the past year

Information Technology Team:

- Provides robust training for Graduate Assistants through support of the START myResearch Quali-Coeus project and OPRSLive
- Graduate Assistants have gone on to positions at Microsoft, Yahoo, Lifetime Fitness, Epic, American Eagle, Mathworks, and various start-ups

AREAS NEEDING IMPROVEMENT/STRATEGIES FOR IMPROVEMENT: POSTDOCTORAL FELLOWS

- Postdoctoral fellows are neither faculty nor students. Providing fellows with training experience is an important part of UIC's mission
- MOU has been signed with funding from the Vice Chancellor for Research, the Vice Chancellor for Health Affairs, the Provost and the College of Medicine to establish a Postdoctoral Office

STRATEGIES FOR IMPROVEMENT: NEW AND ONGOING INITIATIVES

East Meets West

- In partnership between the Provost/Vice Chancellor for Academic Affairs and the Vice Chancellor for Health Affairs, East Meets West provides opportunities for multi-disciplinary, cross campus collaborations bringing faculty and students together at monthly research mixers, and whose interdisciplinary scholarship and research is highlighted in *UICNews*

STRATEGIES FOR IMPROVEMENT: NEW AND ONGOING INITIATIVES

Research Development Services

- Search for an Associate Director of Research Development Services (RDS) to lead and revitalize the office is underway. An Assistant Director was hired in 2016
- RDS has been holding a series of workshops based on UIC's research strengths designed to help develop large, multidisciplinary center applications. Participation has spanned across all disciplines and includes over 200 faculty
- Research Development Services is a critical unit.
- For each \$1 invested in OVCR managed intramural funding, UIC received \$12.64 in new extramural funding however our current budget does not allow us to continue this type of seed funding

NOTABLE AWARDS

- \$17.7 million, four-year award for the UIC Center for Clinical and Translational Science from the National Institutes of Health. The center is part of the NIH's Clinical and Translational Science Awards program, which aims to quickly move scientific discoveries into actionable prevention strategies, diagnostics and treatments for patients.
- \$8 million, two-year Bloomberg Philanthropies award to advance global progress on tobacco taxation. UIC will use the funding to engage with policy-makers in countries with the highest and fastest-growing rates of tobacco use, including Bangladesh, China, India, Pakistan and others.
- \$5.3 million, five-year, grant from the U.S. Department of Education affirming the designation of the university as a Hispanic-Serving Institution. The grant, from the Education Department's Hispanic-Serving Institutions–Science, Technology, Engineering, or Mathematics (HSI-STEM) and Articulation Programs, is aimed at augmenting UIC's efforts to increase the number of Latino and low-income students attaining degrees in STEM fields.
- \$4.5 million grant from the National Institutes of Health to improve outcomes for patients with sickle cell disease. UIC is one of eight U.S. centers to receive funding as part of a National Health, Lung and Blood Institute consortium to optimize the care of young adult and adult sickle cell patients.

