

Reported to the Board of Trustees
July 21, 2016

University of Illinois at Chicago



Dashboard Indicators

RESEARCH PERFORMANCE UPDATES BY:
UNIVERSITY OFFICE FOR PLANNING AND BUDGETING
JUNE 15, 2016

REPORTED BY:
CHANCELLOR MICHAEL D. AMIRIDIS
JULY 21, 2016

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

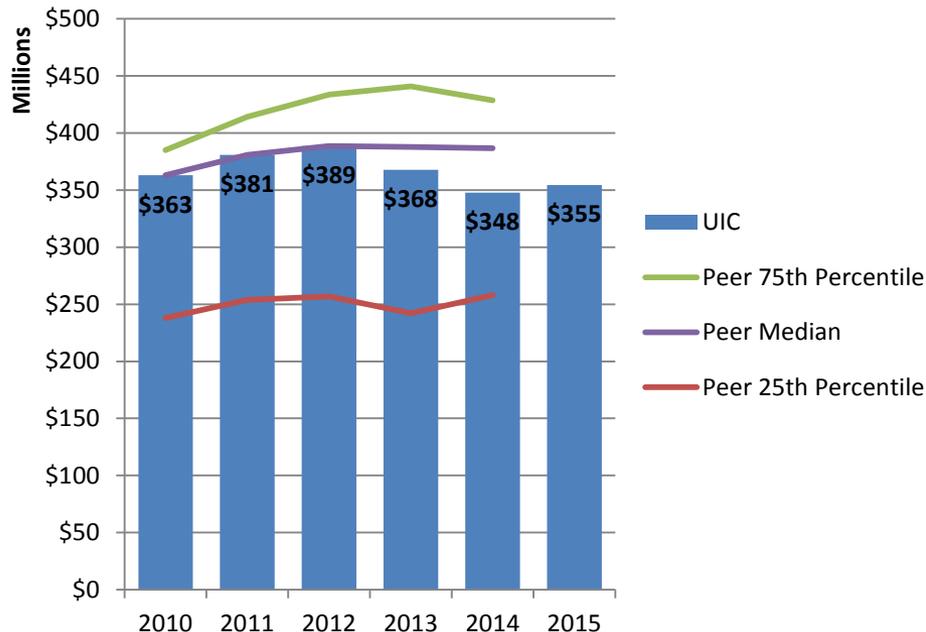


RESEARCH PERFORMANCE



UIC AND STANDARD PEER GROUP TOTAL RESEARCH AND DEVELOPMENT EXPENDITURES*: FY 2010 – FY 2015

Total UIC research and development expenditures are slightly below the peer median. UIC was the median in FY 2012, but two years of 5% declines (FY 2013 and FY 2014) dropped UIC below the median. Expenditures increased slightly (2%) in FY 2015.



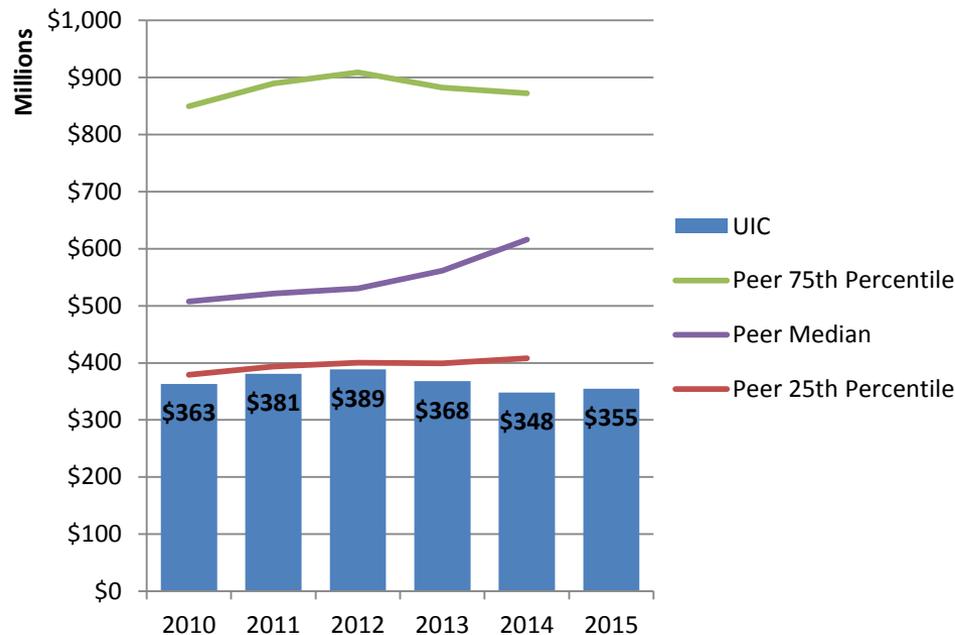
* As reported to the NSF Survey of Research and Development Expenditures. FY 2015 peer data not available.



UIC AND ASPIRATIONAL COMPARISON GROUP

TOTAL RESEARCH AND DEVELOPMENT EXPENDITURES*: FY 2010 – FY 2015

UIC research and development expenditures are lower than the aspirational peer median. UIC fell further behind the median for aspiration peers in FY 2014. In contrast to peers, Rutgers experienced a 31% increase in FY 2014 (from \$493 to \$644 million) through a merger of campuses driving the increase in the median.



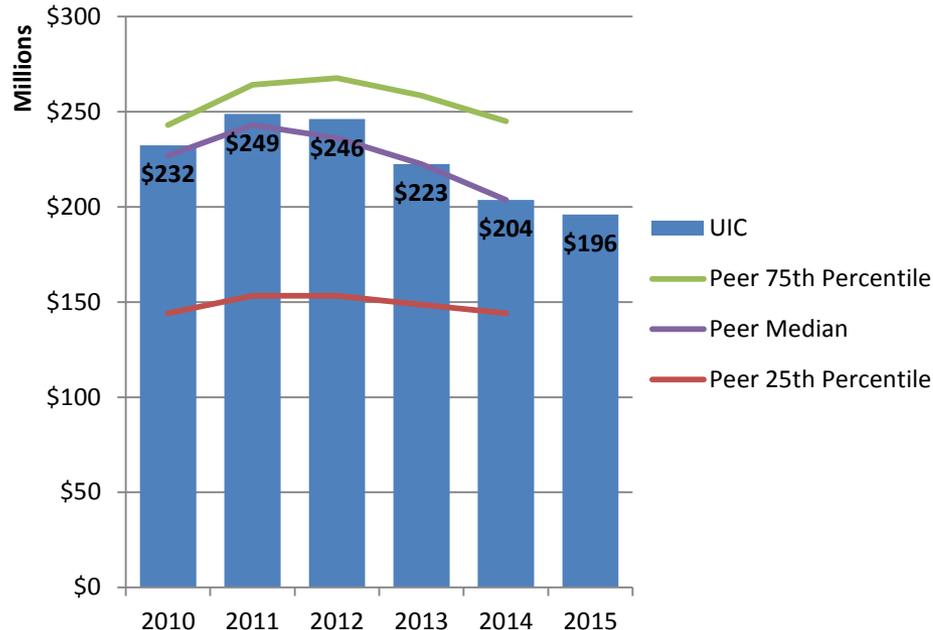
* As reported to the NSF Survey of Research and Development Expenditures. FY 2015 peer data not available.



UIC AND STANDARD PEER GROUP

TOTAL FEDERAL RESEARCH EXPENDITURES*: FY 2010 – FY 2015

Since FY 2012, total federal research expenditures have declined for the peer group and UIC. Despite declines, UIC was at the median in FY 2013 and FY 2014.



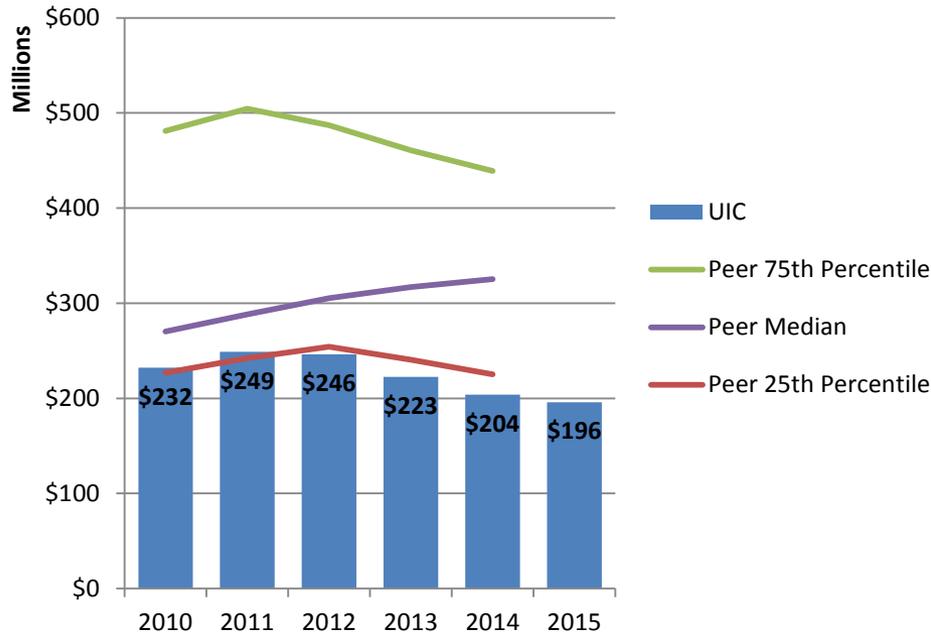
* As reported to the NSF Survey of Research and Development Expenditures. FY 2015 peer data not available.



UIC AND ASPIRATIONAL COMPARISON GROUP

TOTAL FEDERAL RESEARCH EXPENDITURES*: FY 2010 – FY 2015

Total UIC federal research expenditures were lower than its aspirational peer median. UIC fell further behind the median for aspiration peers in FY 2014. This was the result of a 22% by Rutgers (from \$295 to \$360 million).



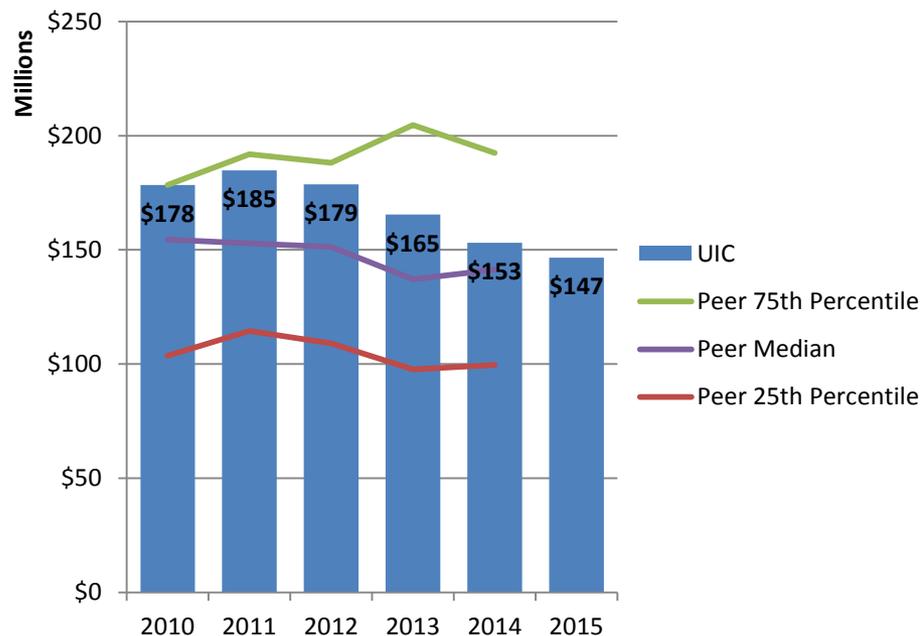
* As reported to the NSF Survey of Research and Development Expenditures. FY 2015 peer data not available.



UIC AND STANDARD PEER GROUP

DEPARTMENT OF HEALTH AND HUMAN SERVICES (INCLUDING NIH) RESEARCH AND DEVELOPMENT EXPENDITURES*: FY 2010 – FY 2015

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

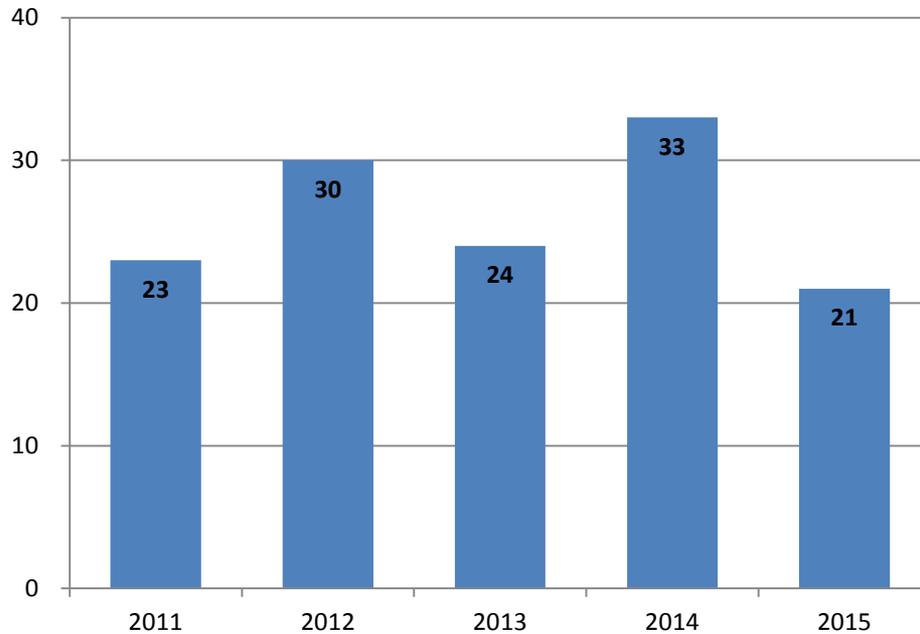


* Some institutions reported combined campus data. FY 2015 peer data not available.



NUMBER OF U.S. PATENTS ISSUED FY 2011 – FY 2015

The number of patents issued to UIC decreased in FY 2015 to the lowest number in recent years.



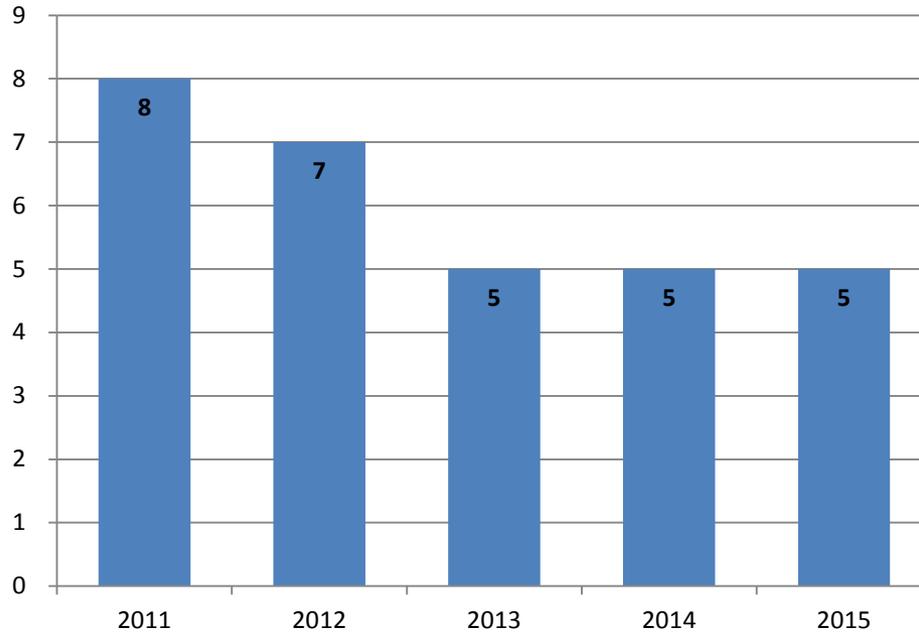
ROYALTIES FY 2011 – FY 2015

UIC licensing revenue has significantly increased since FY 2011. 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, it is projected that Prezista revenue will decline by 7% and overall licensing revenue will decline by 8%.



NUMBER OF NEW START-UP COMPANIES FORMED FY 2011 – FY 2015

In FY 2015, the number of new technology companies developed at UIC is consistent with the previous two years.



AREAS EXCEEDING EXPECTATIONS: UPGRADING RESEARCH INFRASTRUCTURE SUPPORT

Office of the Vice Chancellor for Research, 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:** principal Investigator (PI) portal integrates and displays information from a number of different University systems of record (Banner and UIeRA), giving faculty access to information needed to manage their grants
- **myDisclosures:** online review and submission of Reporting of Non-University Activities for Faculty and Academic Professionals (RNUA). During the past year, over 6,765 faculty and staff in 2,001 units completed the annual disclosure process and identified more than 40 situations that required conflict management plans
- **myProposals** (Pre-Award Back Office): released in June 2016, allows for viewing, tracking and negotiations, reporting and closing out of Proposals and Awards

AREAS EXCEEDING EXPECTATIONS: UPGRADING RESEARCH INFRASTRUCTURE SUPPORT

UIC also launched an electronic IRB submission system, OPRSLive:

- Developed internally for very little cost
- Includes on-line submission, routing and electronic review for all IRB protocols including those reviewed by external boards (WIRB, CIRB)
- Two years from concept to full roll out to campus
- Completion date of August 18, 2016

AREAS EXCEEDING EXPECTATIONS: STUDENT SUCCESS AND EXPERIENCE

Student Research Forum:

- Venue for UIC students to present their scholarly efforts
- Celebration of the depth and breadth of research across all disciplines carried out by dedicated students
- April 2016, over 300 students registered to participate in the event (a 7% increase from 2015 and majority participation from undergraduates)

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 them with training experience is parallel to UIC's mission of an optimal student experience
- No formal office exists to address the numerous issues facing this group
- Office of Postdoctoral Programs, a newly created office, will be established in partnership with the Graduate College, the Offices of the Vice Chancellor for Research and Vice Provost for Faculty Affairs, and the Faculty Advisor to the UIC Postdoctoral Association and Postdoctoral Association leadership

AREAS NEEDING IMPROVEMENT/STRATEGIES FOR IMPROVEMENT: RESEARCH DEVELOPMENT SERVICES

- Due to budgetary challenges over the years, UIC has significantly reduced full time staff dedicated to assisting faculty in proposal preparation, especially for large multidiscipline grants where such support is critical
- Search for an Associate Director of Research Development Services to lead and revitalize the office is underway
- Research Development Services is a critical unit as for each \$1 invested in OVCR managed intramural funding, UIC received \$12.64 in new extramural funding

NOTABLE AWARDS

- \$13.7 million, four-year award from the Patient-Centered Outcomes Research Institute (PCORI) to lead a multi-center clinical trial of two drugs used to treat chronic obstructive pulmonary disease, or COPD
- \$17.4 million, five-year National Cancer Institute grant to fund the Chicago Cancer Health Equity Collaborative, led by researchers from the University of Illinois at Chicago, Northwestern University's Robert H. Lurie Comprehensive Cancer Center and Northeastern Illinois University. The collaborative, the first of its kind in the Midwest, includes researchers and educators from diverse backgrounds and a range of academic disciplines
- \$45 million, five-year National Institutes of Health grant to fund the Illinois Precision Medicine Initiative Cohort Program (PMI), in partnership with Northwestern University, University of Chicago and their affiliated hospitals and clinics. The PMI will receive \$4.3 million in FY2016 and will enroll 150,000 Illinoisans in research efforts to improve the prevention and treatment of disease based on lifestyle, environment, and genetics
- \$1.5 million grant from the National Science Foundation for Assessment Literacy for the Development of Teacher Understanding with the Next Generation Science Standards