University of Illinois at Chicago

Dashboard Indicators

RESEARCH PERFORMANCE UPDATES BY:
UNIVERSITY OFFICE FOR PLANNING AND BUDGETING
JUNE 11, 2013

PRESENTED BY:
CHANCELLOR PAULA ALLEN-MEARES
JULY 25, 2013

Standard Peer Group

University of Illinois at Chicago
Florida State University
Temple University*
University of Alabama at Birmingham
University of Arizona - Tucson
University of California - Irvine
University of Cincinnati
University of Colorado Denver*
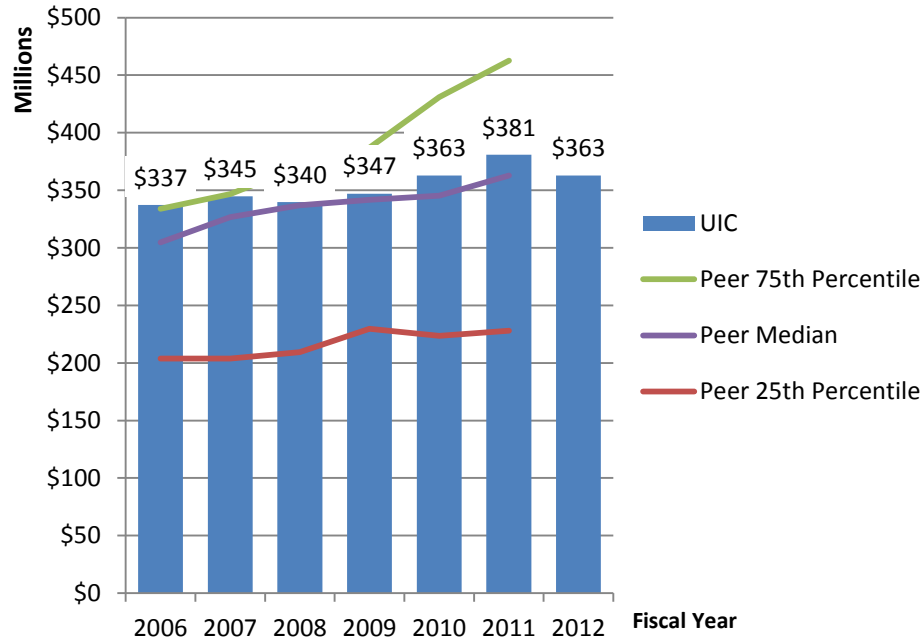University of New Mexico - Albuquerque
University of South Florida - Tampa
Virginia Commonwealth University
Wayne State University

* State-related research institution.

UIC and Standard Peer Group
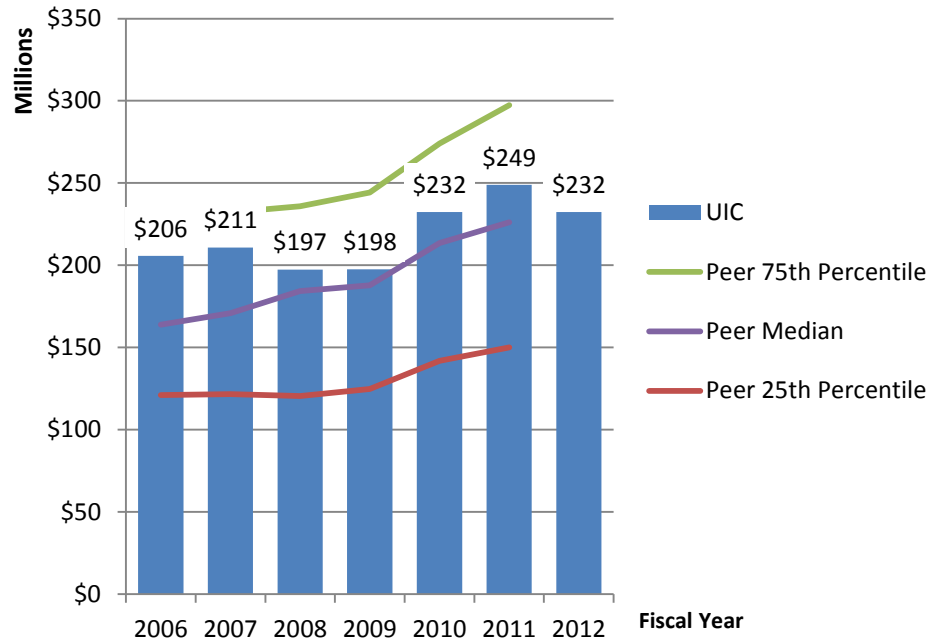## Total Research and Development Expenditures*: FY2006 – FY 2012

Total research expenditures at UIC are on par with the peer median.

Chart values (UIC): $337, $345, $340, $347, $363, $381, $363

Legend:
- UIC
- Peer 75th Percentile
- Peer Median
- Peer 25th Percentile

Fiscal Year: 2006, 2007, 2008, 2009, 2010, 2011, 2012

* As reported to the NSF Survey of Research and Development Expenditures. FY11 is the most recent published survey.

TASK: Stabilize total research and development expenditures despite anticipated reductions due to the conclusion of ARRA funding, the impact of federal sequestration, and senior research faculty turnover and retirement.

UIC and Standard Peer Group
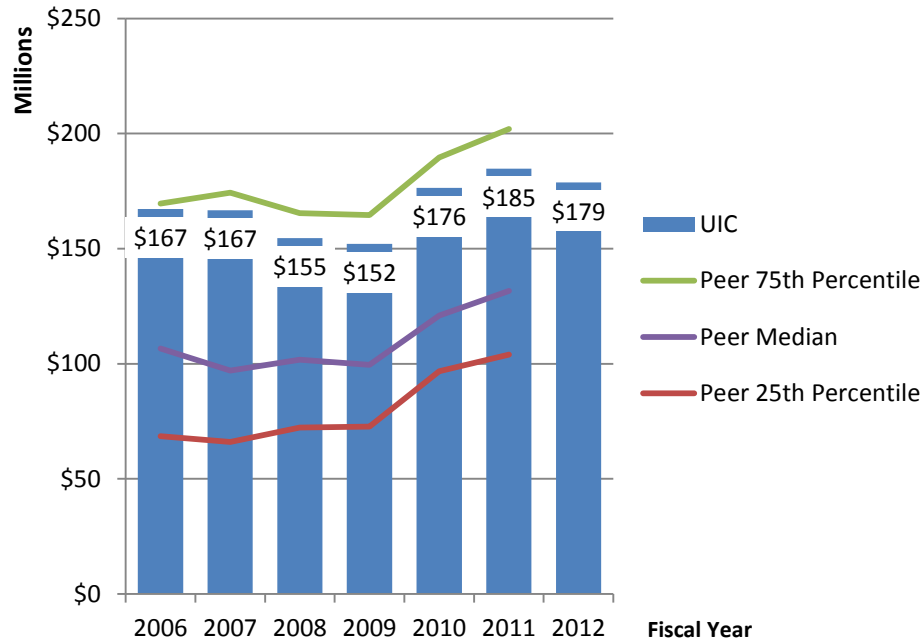## Total Federal Research Expenditures*: FY 2006 – FY 2012

Total federal research expenditures at UIC is higher than the peer median.

* As reported to the NSF Survey of Research and Development Expenditures.

TASK: Strive to maintain our upward trajectory over the next several years by strategically emphasizing targeted, mission-driven areas of research that are congruent with the current federal focus on interdisciplinary, multi-PI research, and continue to recruit best-in-class faculty researchers.

* Some institutions reported combined campus data.

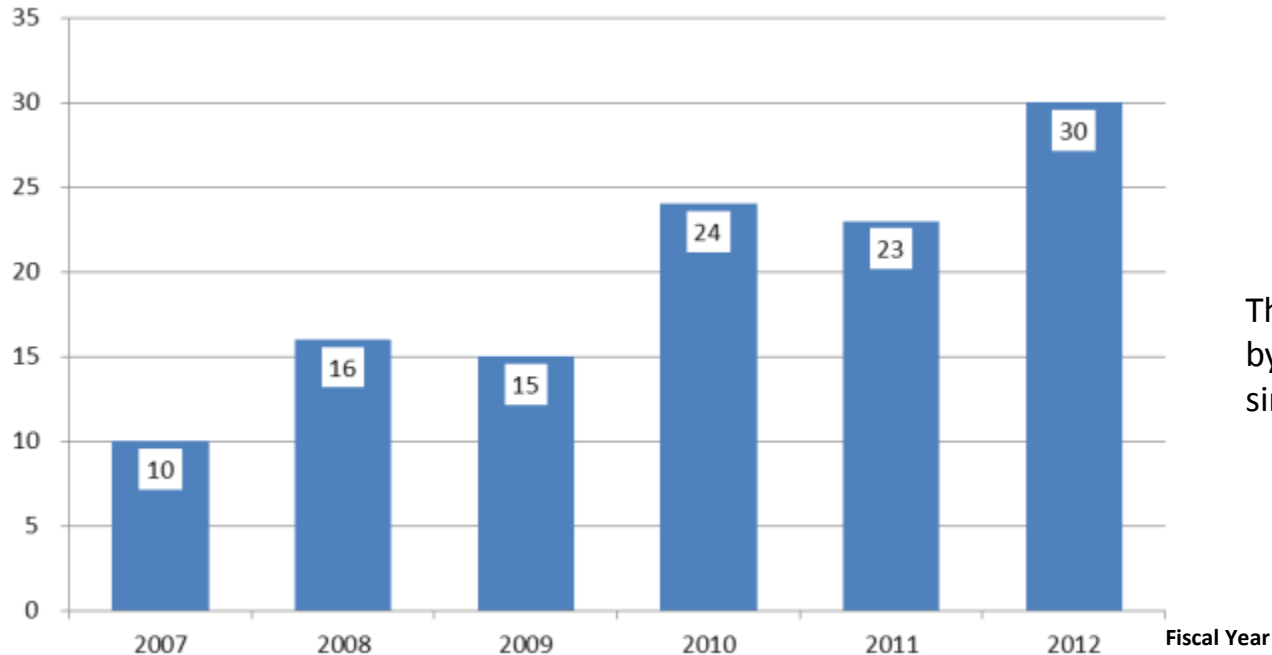HHS expenditures at UIC is higher than the peer median and UIC is consistently ranked in the top four among its peers.

NIH is the largest source of Federal R&D funding for UIC.

TASK: Grow our position at the top of our peer group in NIH expenditures (e.g., continue to reinvigorate our Department of Bioengineering, a joint effort of the Colleges of Engineering and Medicine; new five-person cluster hire in neuroscience).

UIC Standard Peer Group
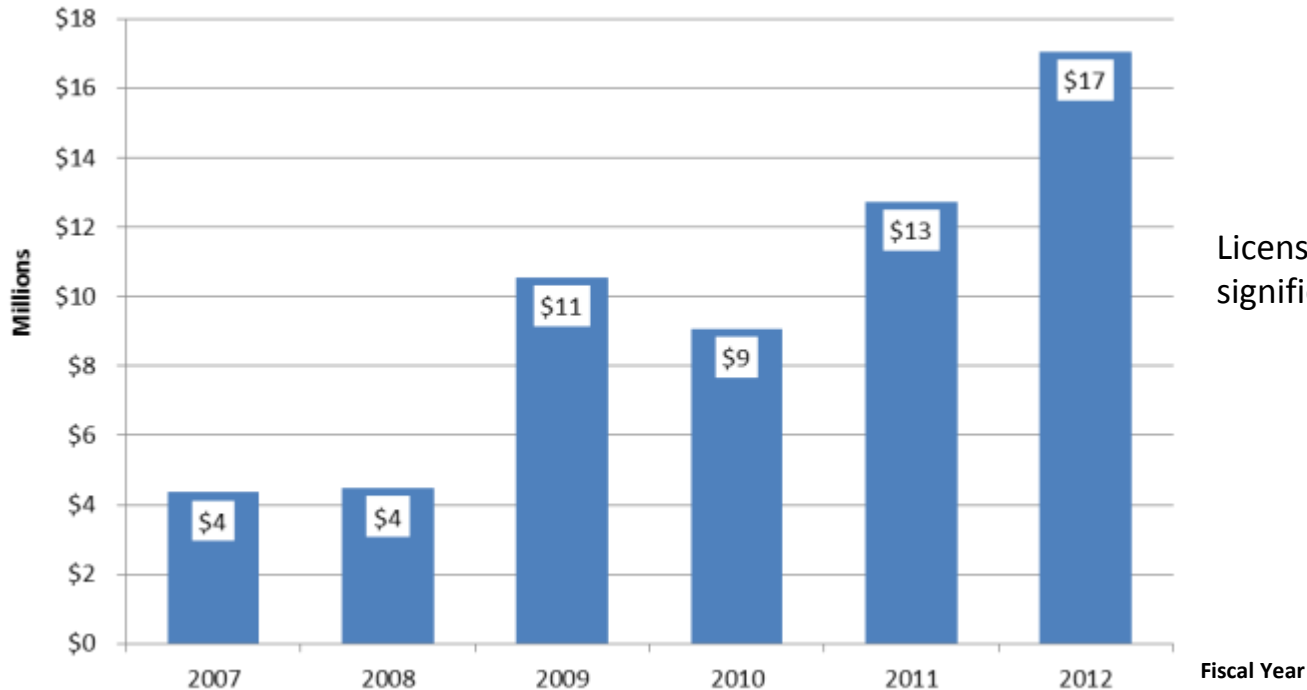## Number of U.S. Patents Received: FY 2007 – FY 2012

The number of patents received by UIC has significantly improved since FY 2009.

TASK: Continue to integrate the work of the Office of Technology Management (OTM), with Campus researchers focusing on "proof of concept" activities so that patents we obtain will have more value in the marketplace. The goal is to continue the current upward trajectory.

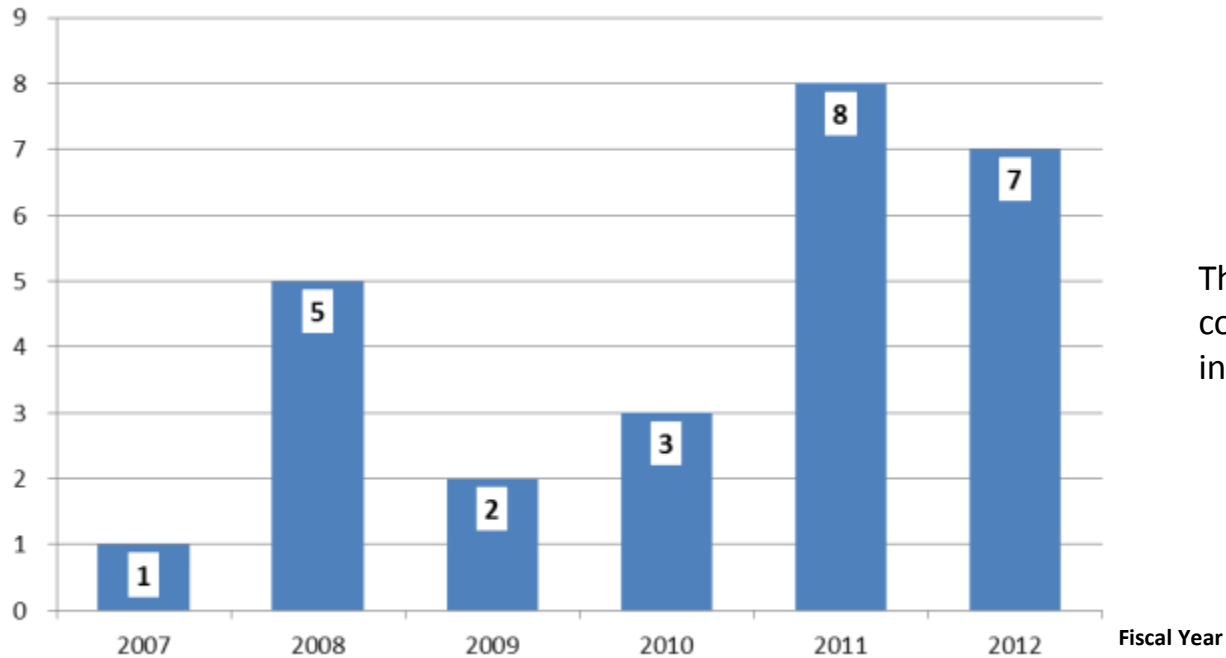# UIC Standard Peer Group
Royalties: FY 2007 – FY 2012

Licensing revenue at UIC has significantly increased since FY2008.

TASK: Continue the upward trajectory of licensing revenue to reach $18M in 2013. License and option agreements will remain fairly steady and represent the successes of 2012.

UIC Standard Peer Group
Number of New Start-Up Companies Formed: FY 2007 – FY 2012

The number of new technology companies developed at UIC increased dramatically from 2010.

TASK: Focus on sustainable start-up companies with the greatest potential for success. Work with faculty to ensure that they are well-positioned for success and that their start-ups are strategically launched at the most appropriate time.

Research Performance: Goals

- Continue to grow our research portfolio and increase our research expenditures

- Continue closer interactions with the Office of Governmental Relations and Lewis-Burke in order to increase our visibility in Washington, D.C

- Develop partnerships with relevant corporate and foundation entities

- Continue to upgrade research infrastructure including clinical trials

- Improve process efficiency and customer satisfaction

- Continue high level of research compliance by maintaining accreditation in Association for the Accreditation of Human Research Protection Programs (AAHRPP) and Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC) accreditation

Action Items

- Launch an electronic research administration system in partnership with the other campuses

- Standardize the contractual/budgetary processes for clinical research/trials to ensure consistency, efficiency, and assurance; ensure education and training for regulatory knowledge; process and perform internal audits for compliance

- Develop more cross-disciplinary mentorship and research support; foster new ideas with multi-college seminars and seed awards such as the recently launched Ignite Award

Action Items

- OVCR has established and will continue to support internal funding opportunities focused on building multi-disciplinary research

  o Campus Research Board – seed funding has returned $14 in extramural funding for every $1 invested

  o Chancellor's Discovery Fund – 25 awards have been made since 2010 for a total of $1M resulting in $5.95M in extramural funding in the past 6 months since the first awards concluded

  o Federal funding priorities to align with areas of excellence and engage with Governmental Relations and Lewis-Burke

  o The Vice Chancellor for Research will continue to work with PIs to reach out to federal agencies and corporate partners.

Recent UIC Research Highlights

- Research Resources Center (RRC) continues to grow, offering a strong foundation for researchers
  - RRC has supported investigators who have received $159.6M in grant funding for FY13
  - PI's using RRC services are expected to receive $550,201,088 in total award direct cost over the life of their grants

- UIC is a partner in a new $120M Batteries and Energy Storage Hub. Partners include:
  - Department of Energy national laboratories, five universities, and four private firms in an effort to achieve revolutionary advances in battery performance

Recent UIC Research Highlights - Biomedical

- Continue to encourage and support broad grants that can serve as the groundwork for additional funding opportunities

  - **Martha Daviglus, professor and executive director of the Institute for Minority Health, received a $15M grant from the National Institutes of Health's National Heart, Lung, and Blood Institute for the Hispanic Community Health Study – Study of Latinos – Field Center**
    - **This opens the possibility of ancillary grants in the areas of ophthalmology, glaucoma, and diabetes as well as many other areas**

- CAVE2, a highly novel large-scale virtual environment developed by the Electronic Visualization Laboratory and used by College of Medicine neurosurgeons for 3-D brain modeling, was highlighted by the NSF when they presented their budget to Congress and ties in to the $100M Brain Initiative

- The UIC Center for Clinical and Translational Science (CCTS) is in a good position for their competitive renewal based on a recent site visit by the NIH Program Officer

- NIH has awarded a consortium, which includes UIC, a five-year $3.75 million grant to establish a Developmental Center for AIDS Research (D-CFAR)

Center for Clinical and Translational Sciences

- The CCTS is one of 60 institutions to receive a national Clinical and Translational Science Award from the NIH
  - The $20M grant provides the foundation for the CCTS to create an infrastructure to promote clinical and translational research at UIC's six health sciences colleges, as well as UI campuses in Rockford, Peoria and Urbana-Champaign

- The CCTS includes five research service cores: Design and Analysis, Clinical Interface, Biomedical Informatics, Regulatory Support and Advocacy, and Community Engagement

- Since 2009, the CCTS has provided service to over 700 individuals across the 6 Health Science Colleges and UI campuses in Chicago, Urbana, Rockford and Peoria

- *Program Officer Visit:* The CCTS NIH Program Officer visited the CCTS on June 24 and 25 and was pleased with the progress and accomplishments of the CCTS and suggested that we are in a good position for our competitive renewal

- *The Institute of Medicine* concluded that the CTSA Program is contributing significantly to the advancing clinical and translational research and provided several recommendations to ensure the future success of the program

Chicago Biomedical Consortium (CBC) Successes at UIC

- As of June 30, 2013, $6.7M in competitive CBC funding was directly awarded to UIC researchers

- Since the inception of the CBC in 2006, over $40M in additional funding was awarded to UIC research seeded by CBC support. Outside funding comes primarily from NIH for award types such as R01, P-50, and U54.

- UIC researchers participated in CBC organized events and programs:

  * Exploratory Workshops   * Tech Day

  * CBC Annual Symposium   * Proteomics & Informatics Workshop

  * High-throughput Chemical Screening Matching Awards Program

- CBC-supported resources are available on the UIC campus:

  - Computational Cheminformatics Core

  - Microenvironmental Control Foundry

  - Mass Spectrometry, Metabolomics, and Proteomics Facility

  - Chicago Drug Screening Facility

  - Synthetic Antibody Consortium

Large Awards since 1/1/13

PI Full Name	Sponsor Name	Project Title	Expected Total Funding	Project Period Start Date	Project Period End Date
Bennett, Larry W	Substance Abuse & Mental Health Servcs Ad (SAMHSA)	Great Lakes Addiction Technology Transfer Center (Great Lakes ATTC)	$ 3,450,000	09/30/12	09/29/17
Foster, Linda I	IL Dept of Human Services (IDHS)	Maternal And Child Health Services Title V Block Grant	$ 4,875,000	07/01/12	06/30/13
Varma, Rohit	Natl Eye Inst	Los Angeles Latino Eye Study	$ 4,961,068	01/01/13	11/30/14
Shanahan, Timothy E	Chicago (IL) City (Dept of Family & Support Svs)	UIC Family Engagement Resource Programs	$ 2,959,618	12/01/11	11/30/13
Gao, Xiaoyi	Natl Eye Inst	Mexican American Glaucoma Genetic Study (MAGGS)	$ 4,339,230	04/01/13	06/30/17
Fitzgibbon, Marian	Natl Cancer Inst at the NIH	National Cancer Institute Cancer Education and Career Development Program	$ 2,599,108	04/01/13	03/31/18
Daviglus, Martha L	NIH NHLBI	Hispanic Community Health Study – Study of Latinos – Field Center	$ 15,237,887	06/01/13	05/31/20

- Subhash Pandey, Psychiatry, has a pending proposal for $8,997,991 from the National Institute on Alcohol Abuse and Alcoholism

Questions?