

THE PROMISE OF THE PRAIRIE:

A vision for the future of University research

STRATEGIC ADVOCACY • VALUE CREATION • CREATIVITY AND INNOVATION



UNIVERSITY OF ILLINOIS
URBANA-CHAMPAIGN • CHICAGO • SPRINGFIELD

Presentation Outline

- Looking Back to See Forward
- 100 Days of Listening
- Trends in Research Funding
- Strategic Intent
- Intersections of Opportunity



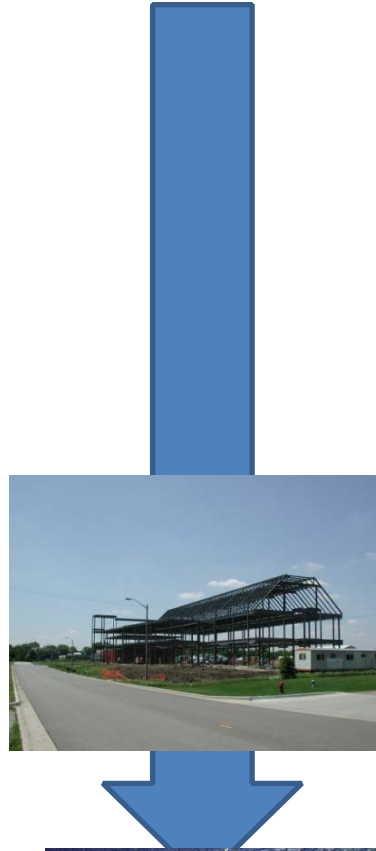
LOOKING BACK TO SEE FORWARD

 **University of Illinois Medical Center**

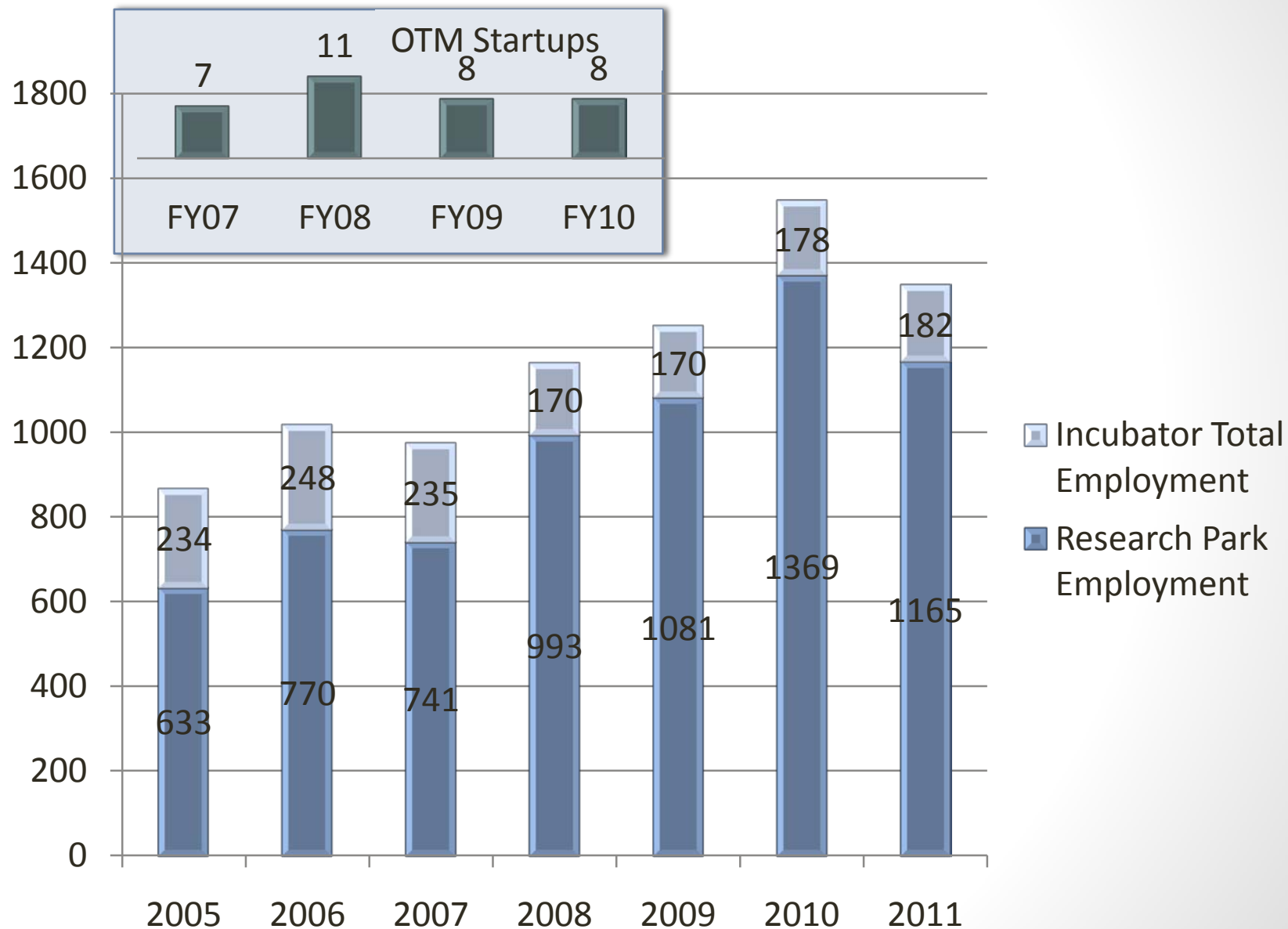
The 21st Century Land-Grant Mission: Economic Development

							
2000 Economic Development added as fourth pillar of the University of Illinois	2000 University of Illinois Research Park, LLC Incorporated in the State of Illinois	2000 Chet Gardner named Vice President for Economic Development and Corporate Relations	2001 David Chicoine named Vice President for Economic Development and Corporate Relations	2003 New name: Office of the VP-Technology and Economic Development IllinoisVENTURES GP Formed	2004 Both Chicago and Urbana Offices of Technology Management transferred to VPTED	2009 Avijit Ghosh named Vice President for Technology and Economic Development	2011 New Name: Office of the VP for Research Larry Schook named Interim Vice President

UIRP Historical Overview

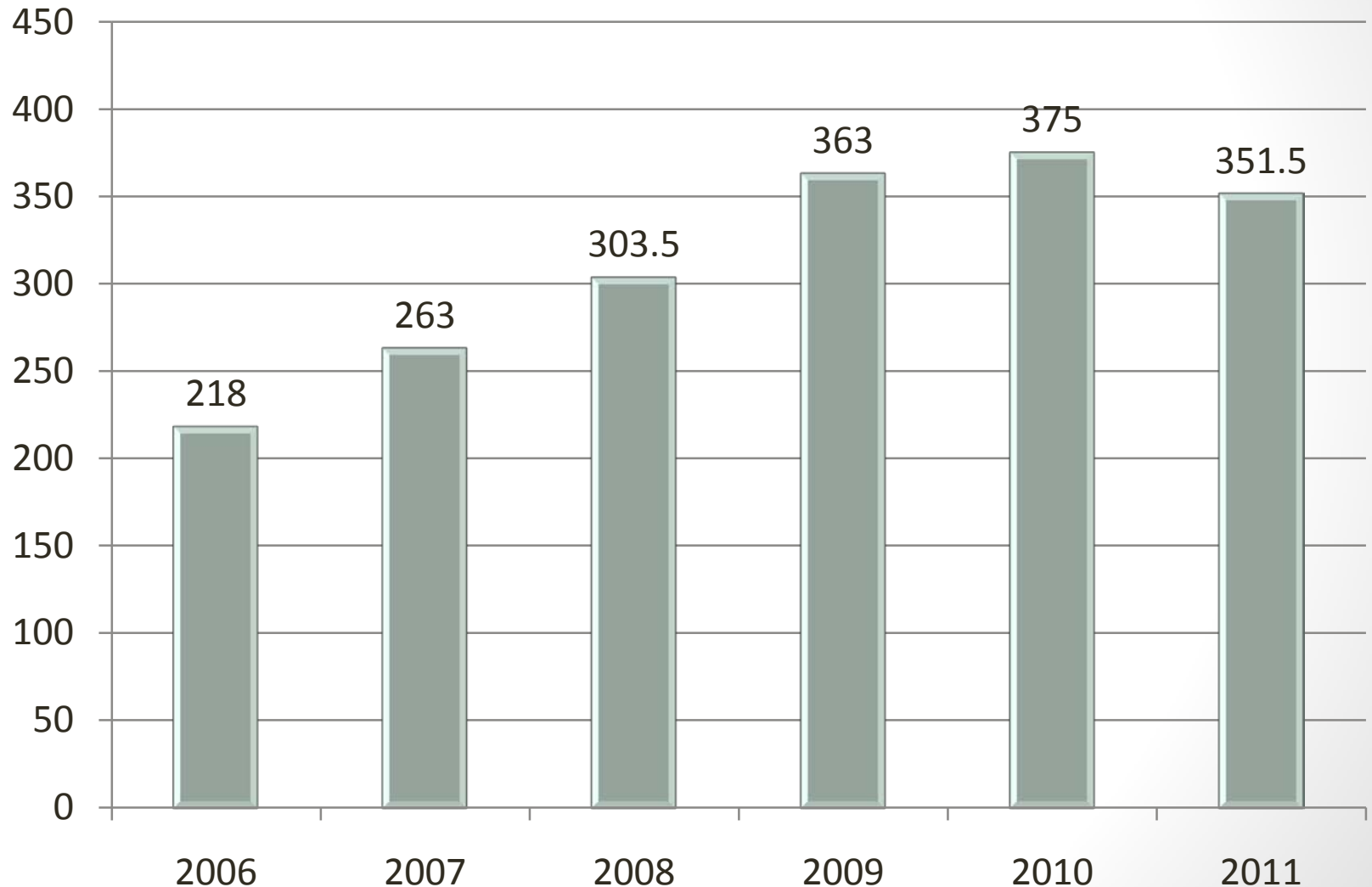


Research Park & Startups



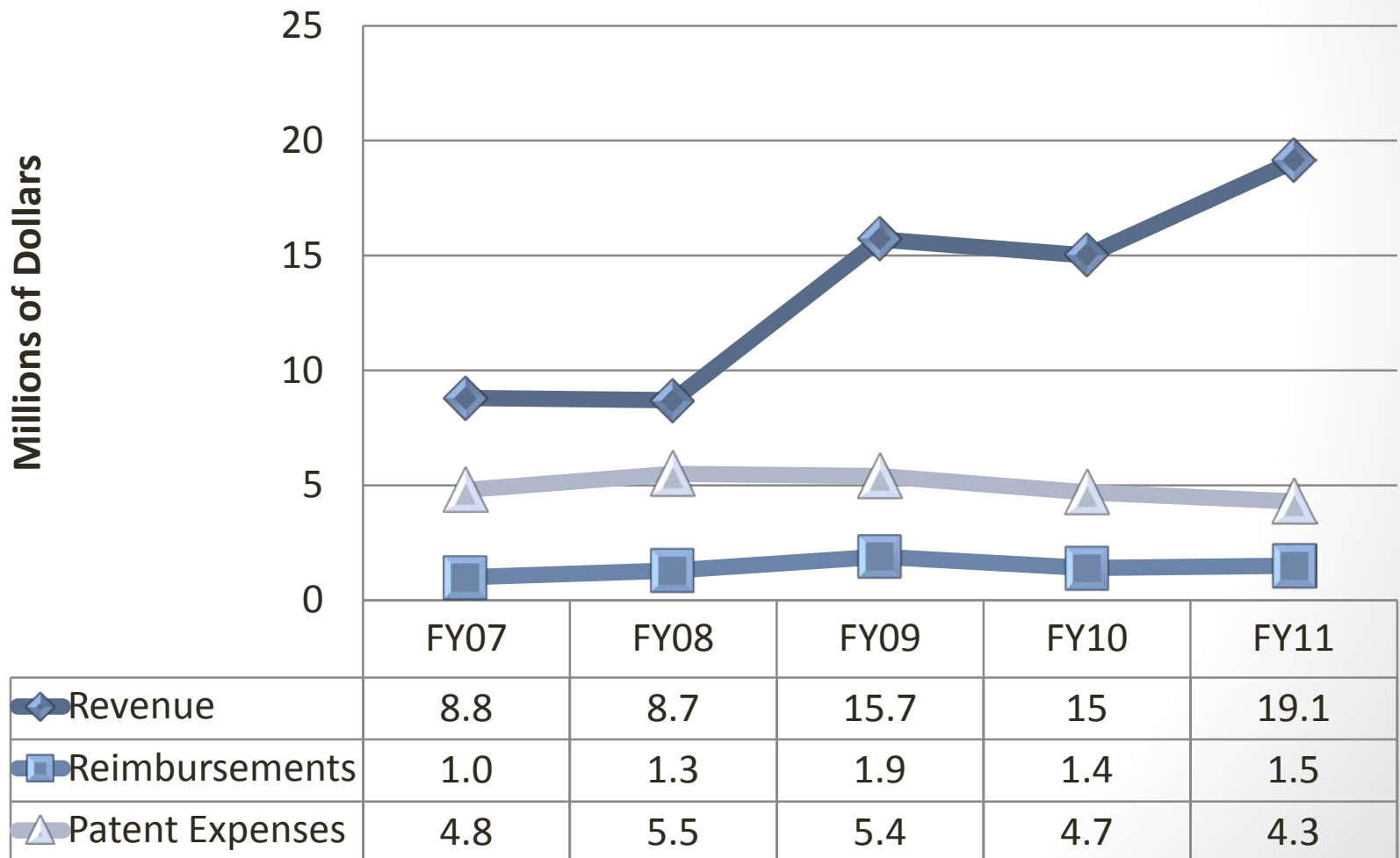
UIRP Value Added: Students

Total Student Employment



Technology Management

**Getting smarter:
Increasing Revenues, Decreasing Costs**



Patenting Activity in Illinois

Rank	Organization	Patents: 2005-2009
1	Motorola, Inc.	916
2	Caterpillar, Inc.	589
3	Illinois Tool Works	386
4	Lucent Technologies	302
5	UOP	231
6	University of Illinois	155
7	Honeywell International, Inc.	140
8	Abbott Laboratories	139
9	Molex Incorporated	117
10	Panduit Corporation	117

UI is only
state
academic
institution
in the top
ten

National Recognition!

Quantitative and Qualitative

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10 Start-up Incubators to Watch



10 of 10



COURTESY ENTERPRISEWORKS

EnterpriseWorks at the University of Illinois

Part of the University of Illinois's Research Park, EnterpriseWorks hosts early-stage tech firms, and has had particular success with information and biotechnology companies. About 70 companies have had their start at EnterpriseWorks since the incubator opened its doors in 2003. If you're looking to hobnob with the venture capital flash that only Silicon Valley can offer, this may not be the incubator for you. But for tech firms that need some time to get their business in order, a residency at EnterpriseWorks provides

techweek:100

Introducing the 100 most innovative names in Chicago technology.

The purpose of the TechWeek 100 is to identify and promote the top 100 most innovative companies on a global scale.

Individuals who are impacting the business and technology landscape by leading their companies to inventing new computer programming languages. The technology leaders chosen through a review of nominations by the

As in past years, *Patent Docs* used the IPO's list of top patent holders to compile the top "biotech and pharma" companies and organizations receiving U.S. patents in 2010. This year's list of 56 organizations continues to reverse a downward trend that saw the number of biotech and pharma companies and organizations drop from 51 in 2006 to 47 in 2007 to 43 in 2008 before rebounding to 47 last year. Of interest, all of the universities included in the report also are featured in Zuhn's biotech list, including Regents of the University of California (#8), MIT (#20), Stanford (#22), Wisconsin Alumni Research Foundation (#38), **University of Illinois (#42)**, University of South Florida (#46), Columbia (#47), University of Michigan (#50), University of Pennsylvania (#52), and Cornell Research Foundation and University of Washington (#54, tie).

John Banta

Director, IllinoisVENTURES



IllinoisVENTURES and the DigitalWork, Inc., a Draper Fisher Jurvetson, TL Ventures and a venture portfolio company, having served previously as its Senior Vice President of Corporate and Business Development. Prior to DigitalWork, Inc., John served as Vice President of Corporate Services for UBS PaineWebber (formerly Kidder Peabody), and as a member of the Board of Directors of the Investment Management Consultant's Association.



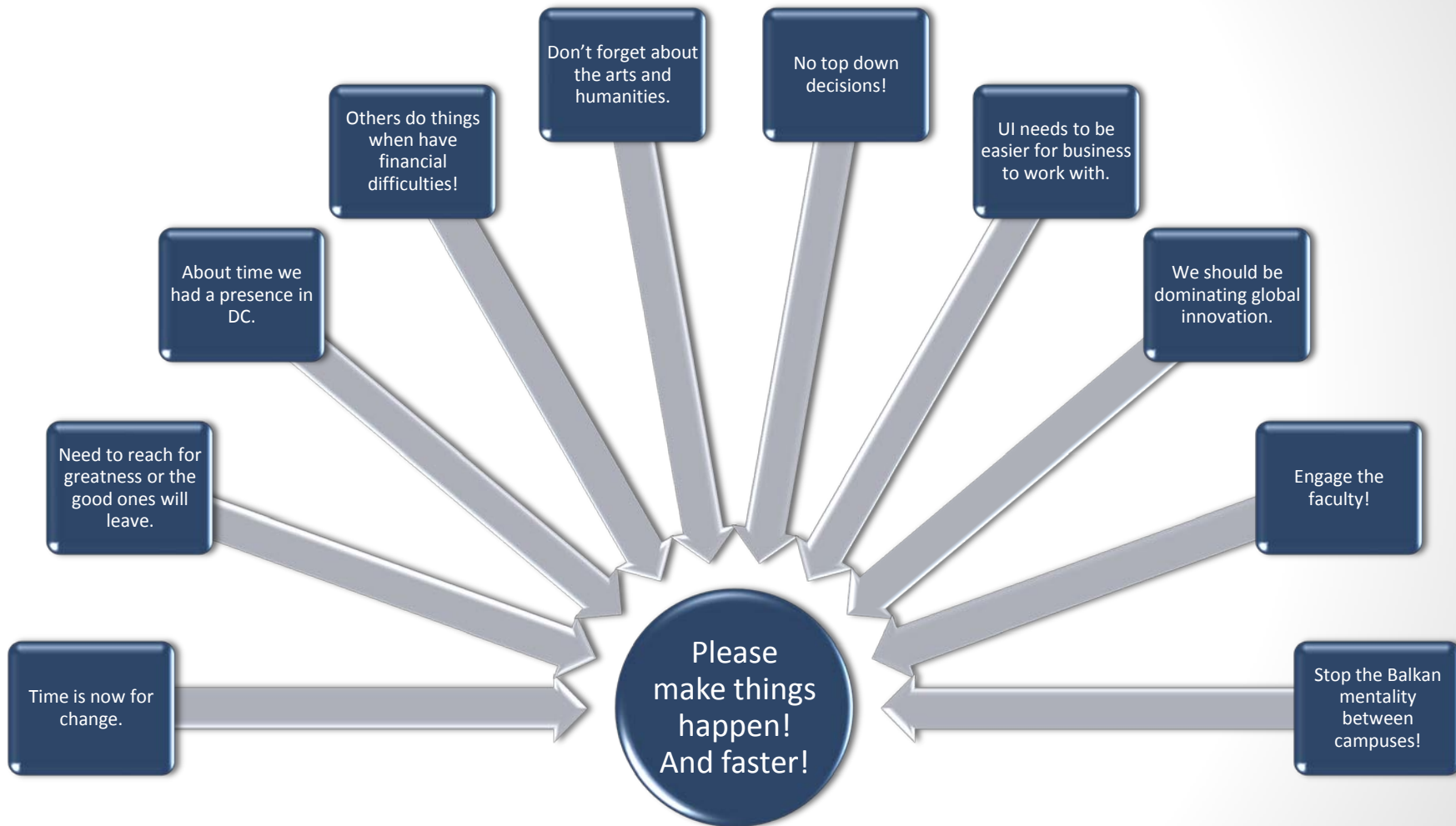
100 DAYS OF LISTENING



Conversations & Connections



Many Voices, One Message

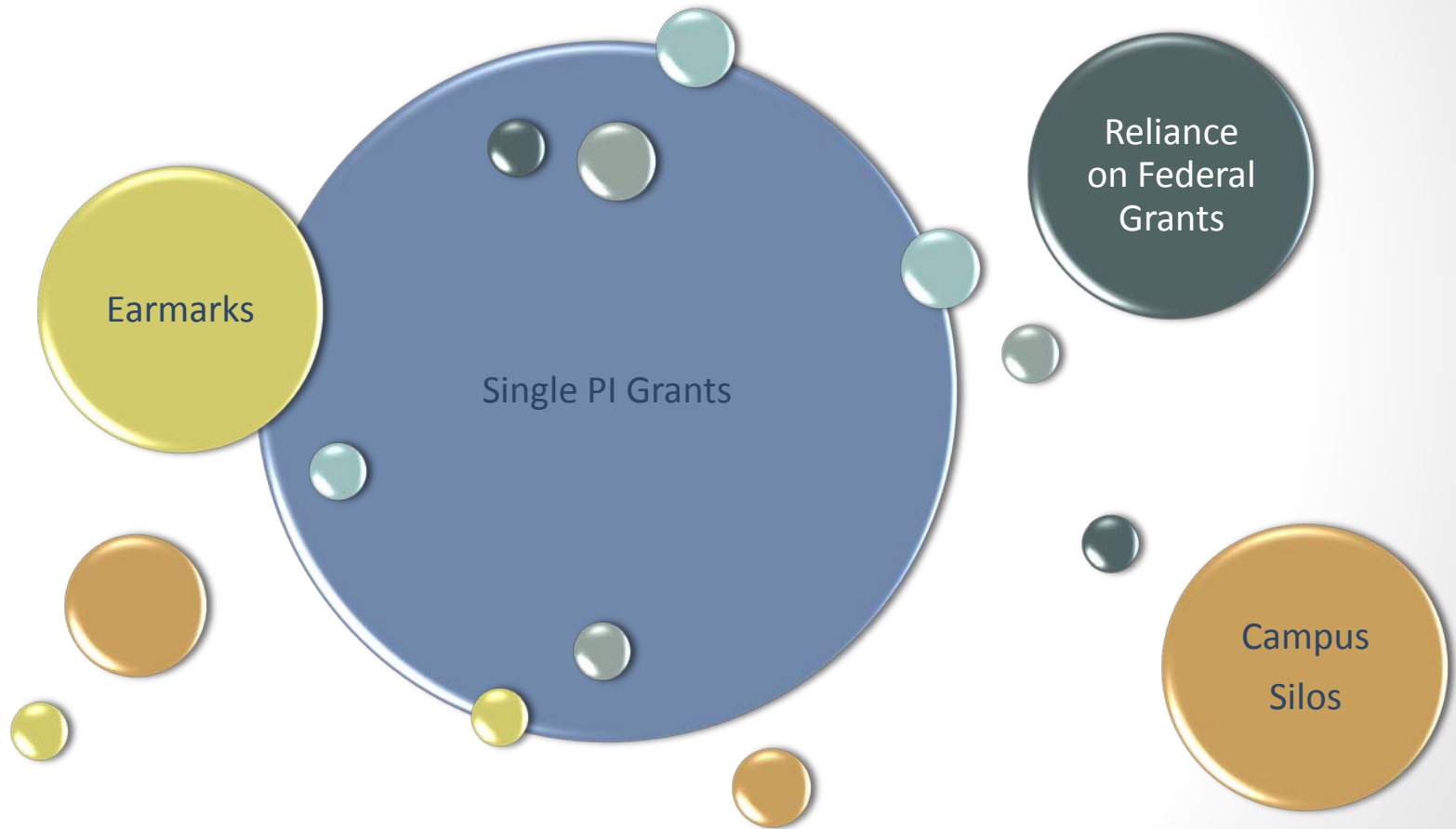




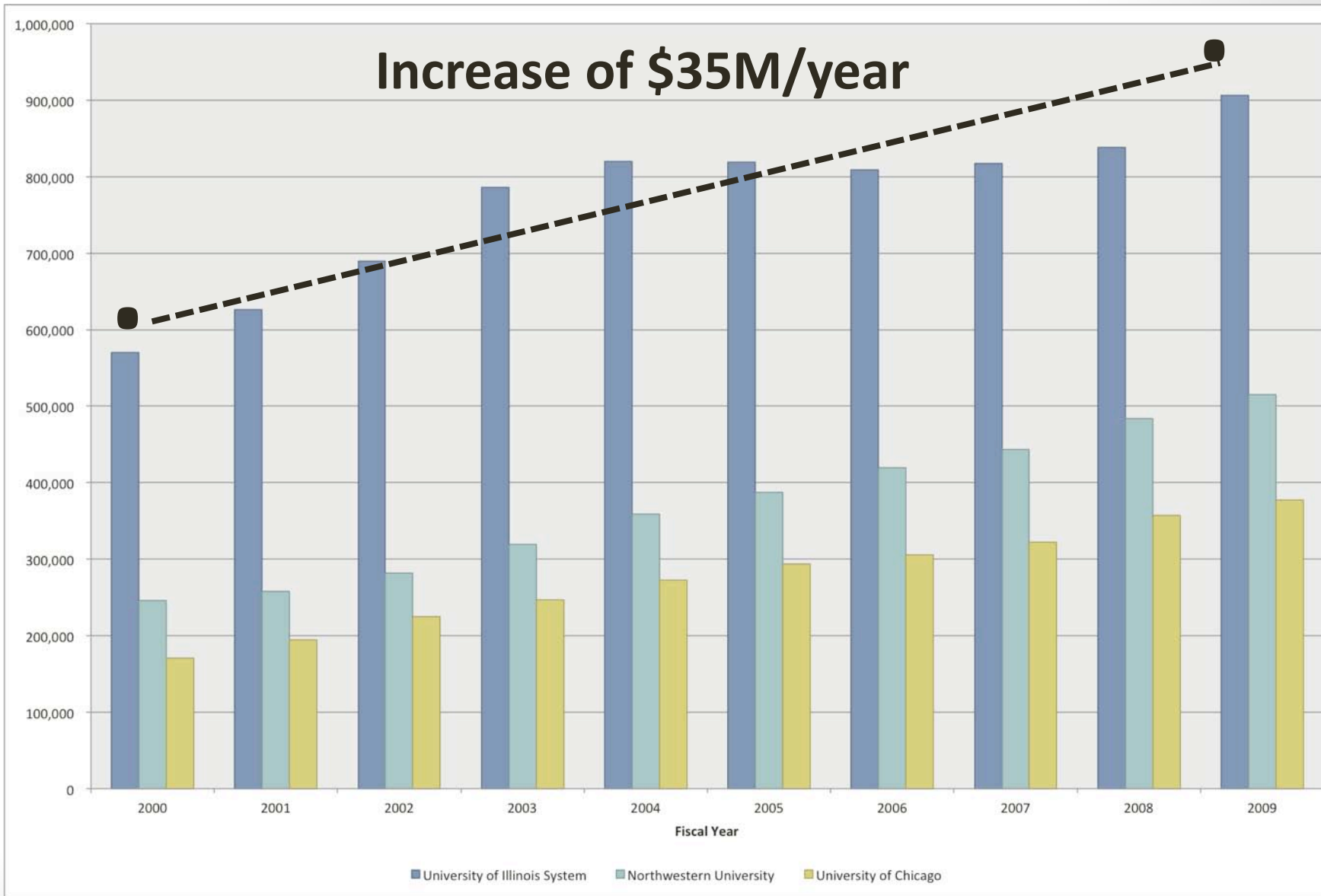
TRENDS IN RESEARCH FUNDING



Historical Research Trends



UI Research Expenditures

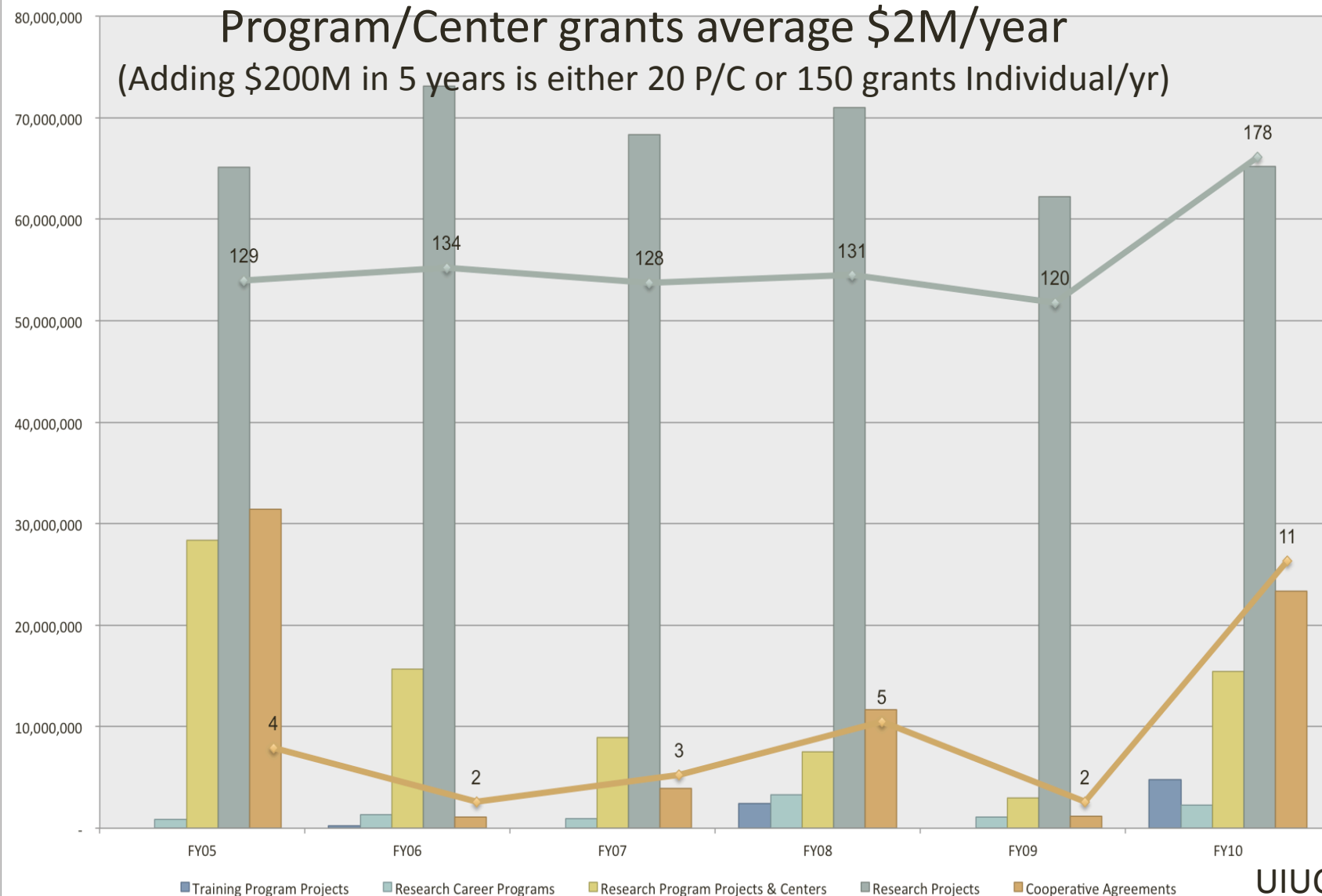


NIH Funding By Grant Type

Single Investigator grants average \$300K/year

Program/Center grants average \$2M/year

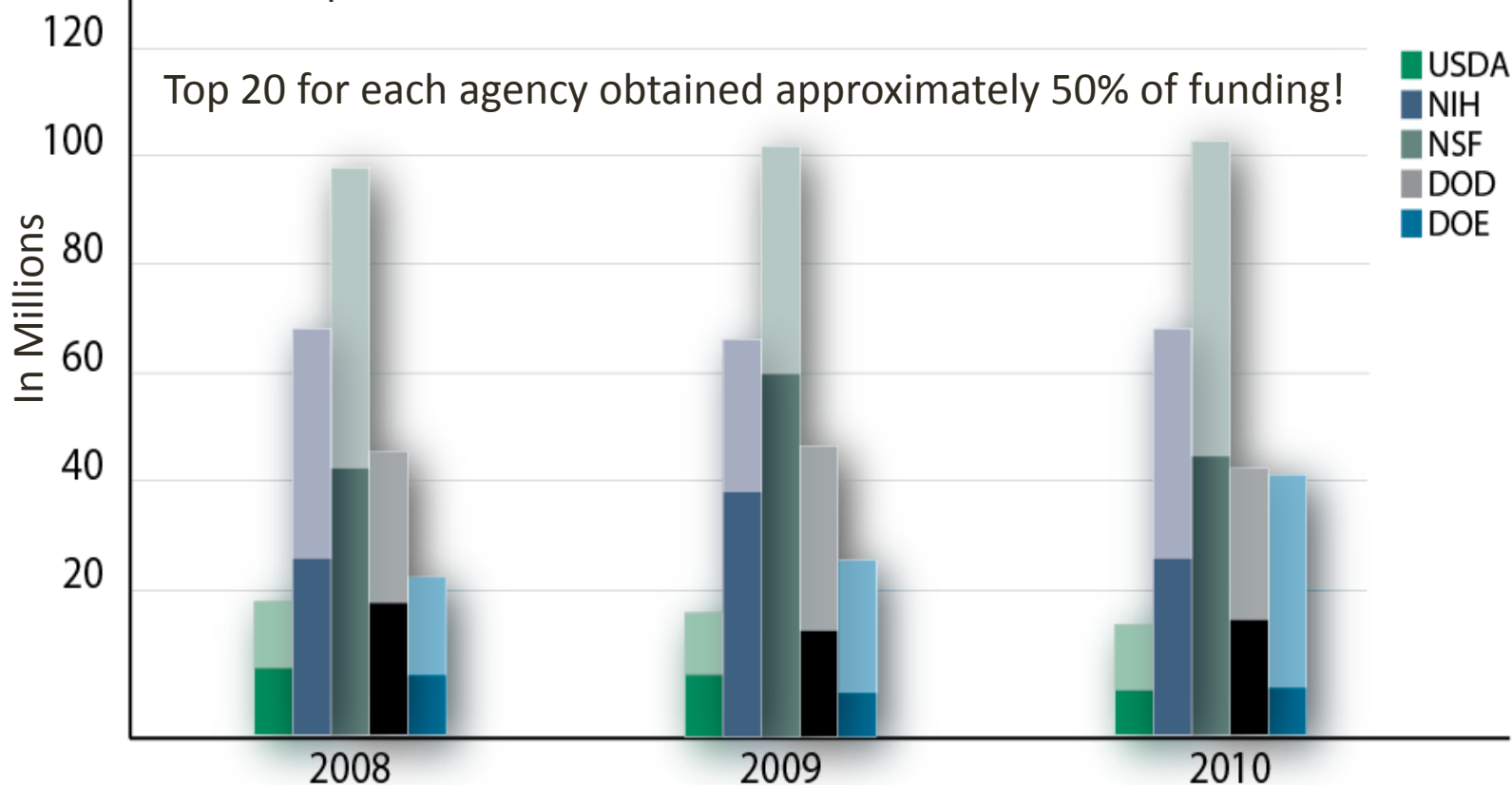
(Adding \$200M in 5 years is either 20 P/C or 150 grants Individual/yr)



Recruiting and Nurturing Talent

Rainmaker represents top 20 individuals for each Federal Agency of 3,000 potential PIs

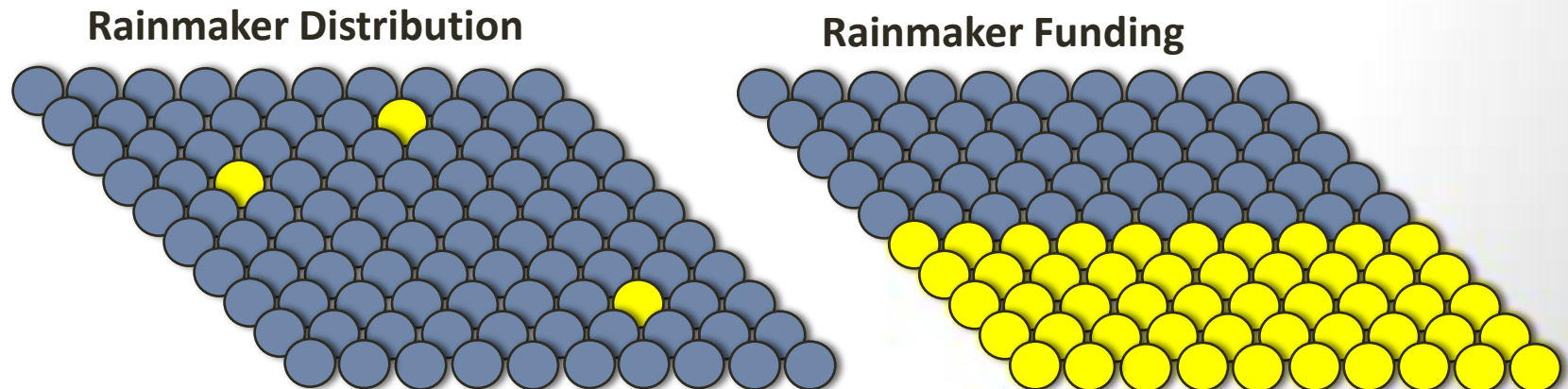
Top 20 for each agency obtained approximately 50% of funding!



Shaded areas represent percent of total secured by "rainmakers"

Rainmakers and Funding

- < 3% of faculty are PIs of 50% of our research funding.
- Need to identify potential *Rainmakers* and provide professional development.
- However, *Rainmakers* are only effective if they have highly talented colleagues! All faculty need to be active scholars.



Research Trends Summary

- Single investigator grant funding will remain static or be reduced
- Program and center proposals are funded 10X over single investigator amounts
- Complexity of problems requiring multidisciplinary approaches will drive the funding of more program and center proposals

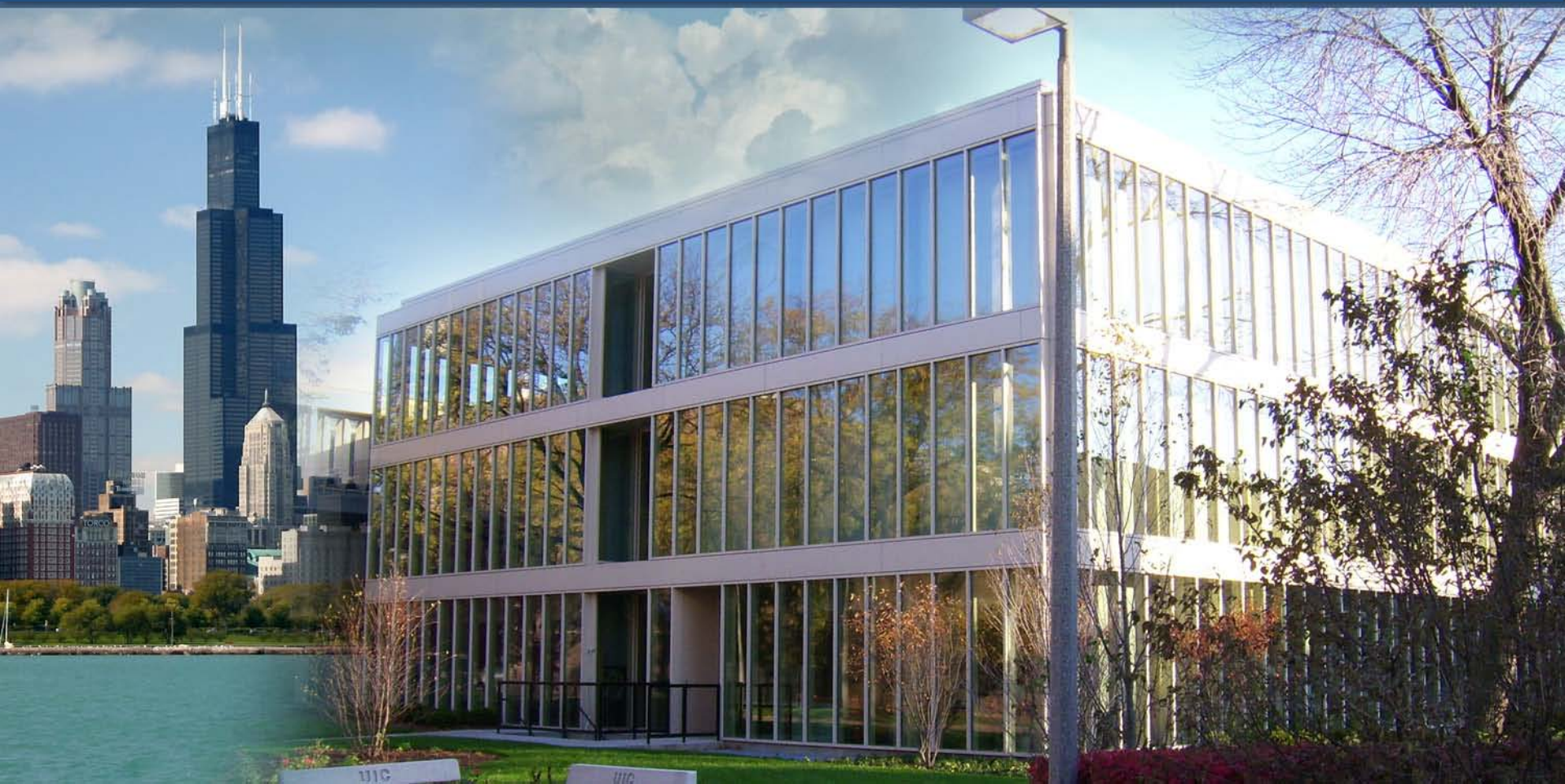
NEED TWO-PRONGED STRATEGY/SYSTEM- BOTH ARE CRITICAL!

- One that supports unit driven PI efforts
- One that supports “Rainmaker” multidisciplinary/campus activities (most likely in regional public/private partnerships)

Future Research Trends



STRATEGIC INTENT



Strategic Intent:

Provides clarity, focus & inspiration for realizing strategic aims





INTERSECTIONS OF OPPORTUNITY



Lincoln's Vision: Bold Actions in Challenging Times

1862

Build
Infrastructure

Transcontinental
Railroad

1862

Engage with
Community

Morrill Act

1863

Recognize
Excellence

National
Academy of
Sciences

Approaches to Address Trends



Targeted
Advocacy

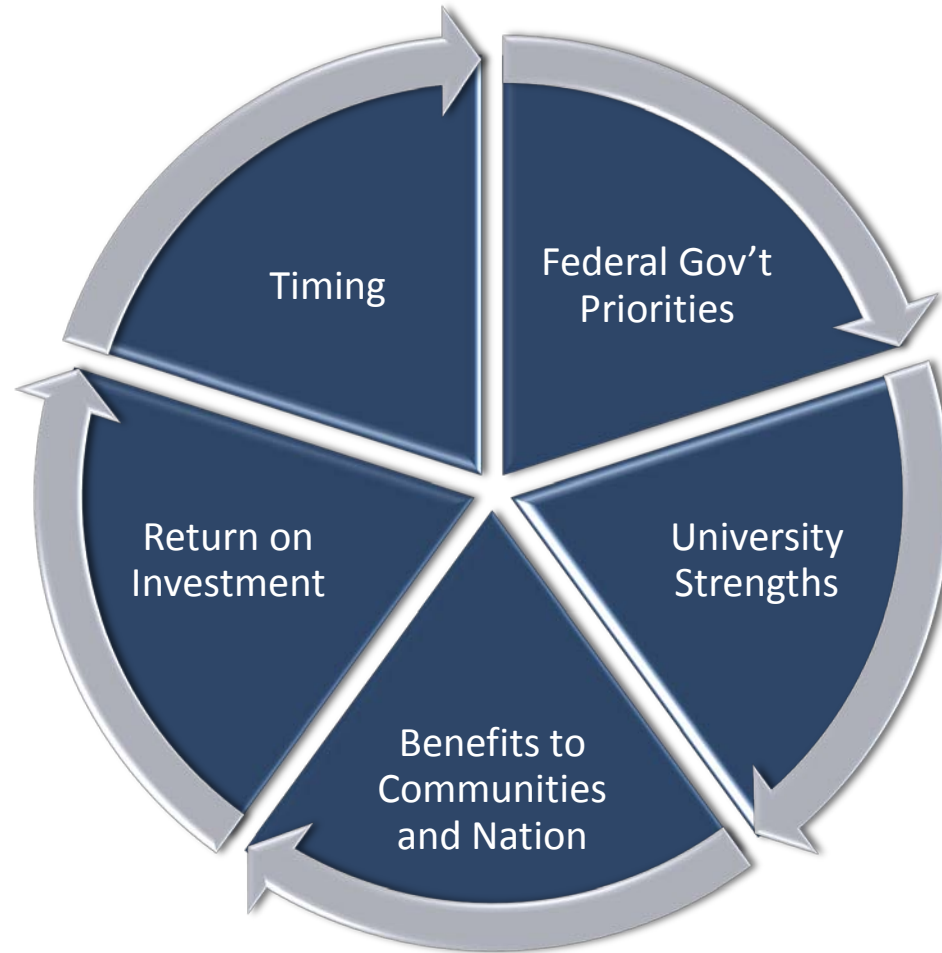


Value Creation



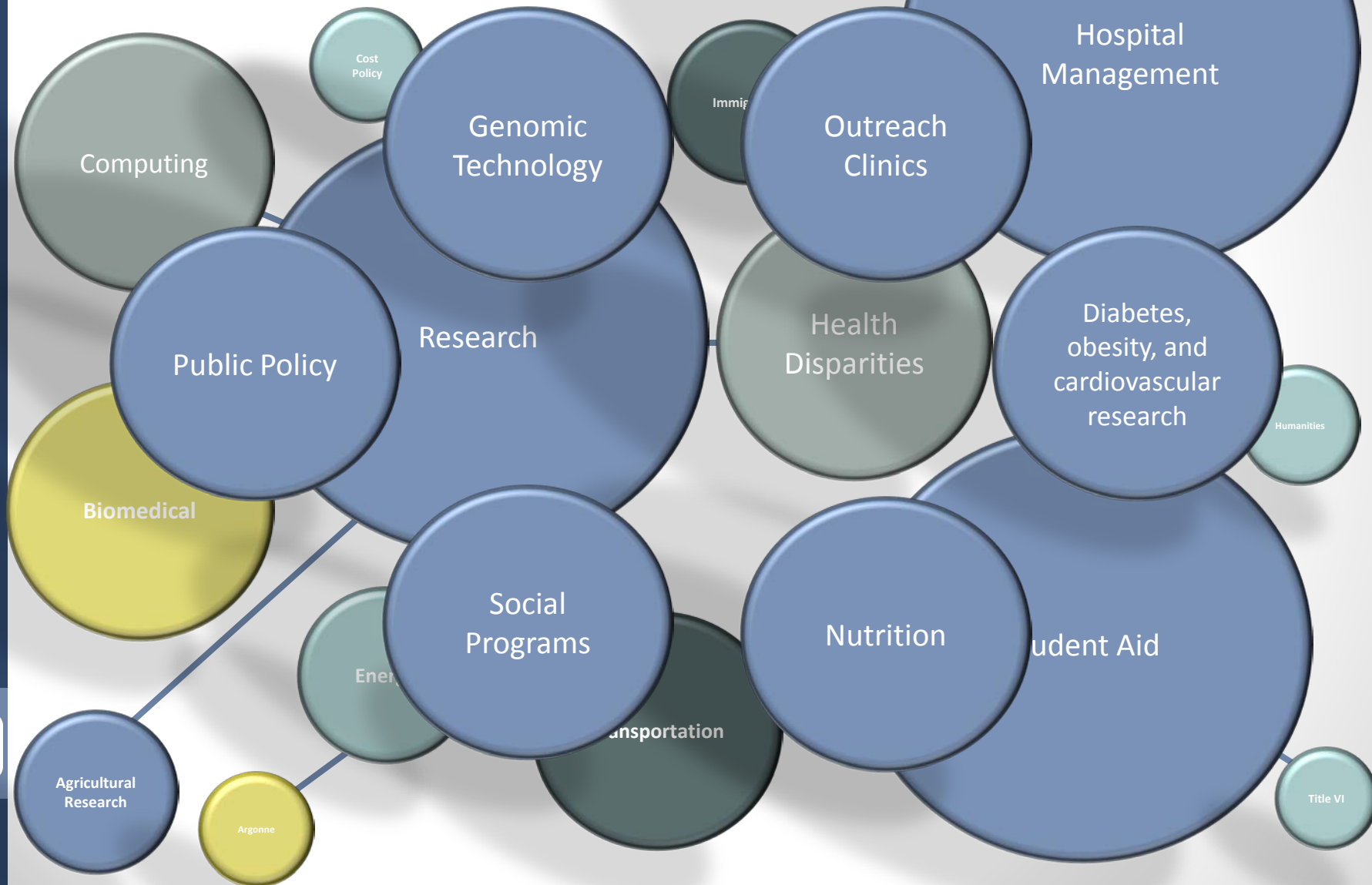
Creativity &
Innovation

Mission Ready: Criteria for Identifying Priorities

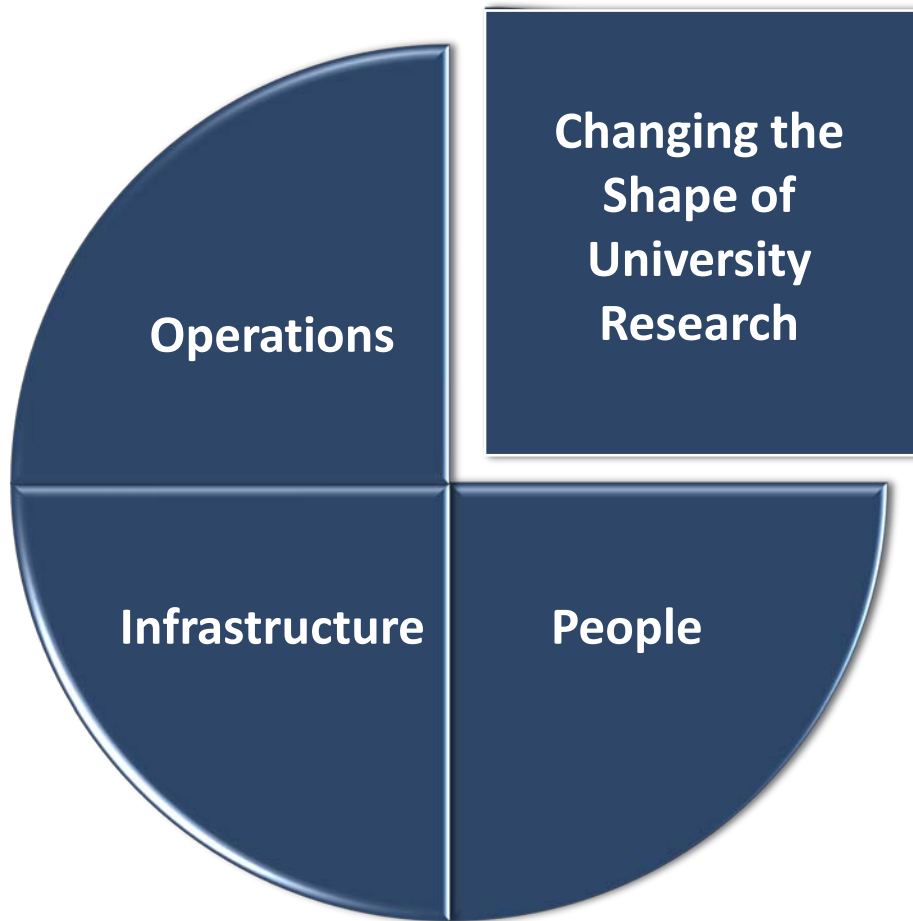


Developed in partnership with Office of Governmental Relations and
Lewis-Burke Associates

Q3 2011 Priority Dashboard



Creativity and Innovation: Defining the “What and How”



**Vice President for Research
Faculty Advisory Committee**

Don Chambers, UIC
George Crabtree, UIC
Diane Harris, UIUC
John Martin, UIS
Robin Mermelstein, UIC
Dennis Ruez, UIS
Taher A. Saif, UIUC
Matt Wheeler, UIUC

Our Vision: Bold Actions in Challenging Times



Ensuring access to the Arts and Humanities through technology



Promoting our Heroes and Rainmakers



Developing Health Innovation Park



NO BOUNDARIES:

*This lack of boundaries, physical and mental...
opened up a whole new world for me*

~ISABEL BEVIER, VISITING THE UNIVERSITY OF ILLINOIS IN 1900



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URBANA-CHAMPAIGN • CHICAGO • SPRINGFIELD