

The background of the top half of the slide features a large, faded, circular seal of the University of Illinois. The seal contains the text "UNIVERSITY OF ILLINOIS" around the perimeter, "1867" at the bottom, and "LEARNING LABOR" at the top. In the center, there is an open book with "AGRICULTURE" and "SCIENCE" on its pages, a microscope, a plow, and a sheaf of wheat.

# Strategic Framework *in Action:*

RESEARCH AND SCHOLARSHIP WITH  
GLOBAL IMPACT

TIMOTHY L. KILLEEN  
PRESIDENT

MARCH 15, 2017

UNIVERSITY OF ILLINOIS SYSTEM

The logo for the University of Illinois System, consisting of three horizontal bars in orange, red, and black.

# STRATEGIC FRAMEWORK PLEDGE

**Best possible return on  
investment for our stakeholders**  
Efficient, competitive and  
**Constantly improving efforts**

# STRATEGIC FRAMEWORK PILLARS

UNIVERSITY OF ILLINOIS  
SYSTEM

STRATEGIC FRAMEWORK

The Public's University:  
Optimizing Impact for the Public Good

THE STRATEGIC FRAMEWORK FOR THE UNIVERSITY OF ILLINOIS SYSTEM 2016-2026

Approved on May 20, 2016



- An Institution of and for Our *Students*
- Research and Scholarship with Global *Impact*
- A Healthy Future for *Illinois* and the Midwest
- Tomorrow's University *Today*



## PILLAR 2

The University of Illinois has the **academic credentials, intellectual capital, and dedication** to create innovative solutions to our nation's greatest challenges.



# Student Experience Enriched by World's Top Minds



**GROWING EXCELLENCE IN ALL SPHERES**

# Theme 1: Build a System-wide culture of innovation, collaboration, entrepreneurship, and thoughtful risk taking

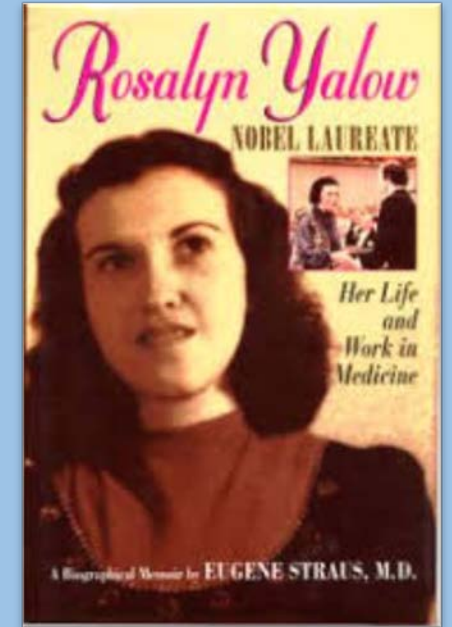
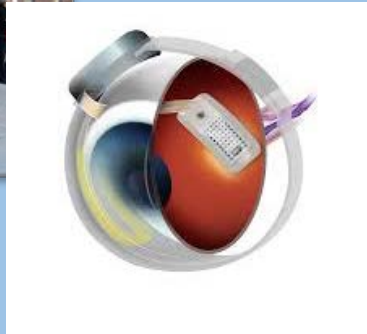


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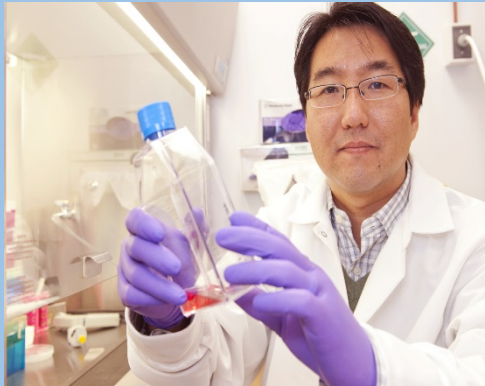
# A HISTORY OF CHANGING THE WORLD



*“The world cannot afford the loss of the talents of half its people if we are to solve the many problems which beset us.”*

*-Rosalyn Yalow*

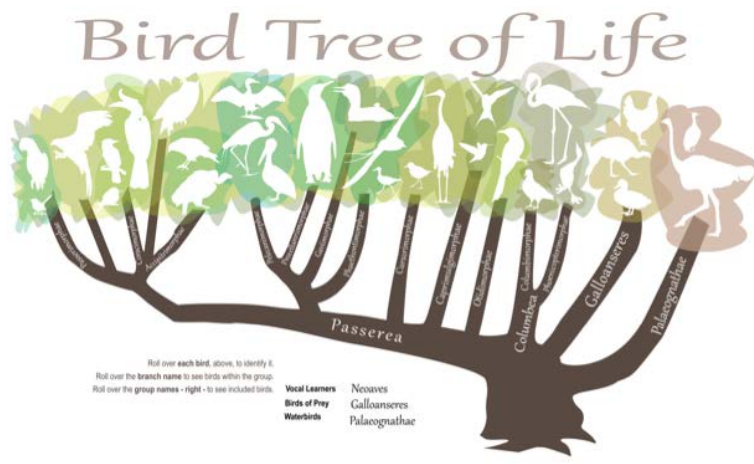
# A HISTORY OF CHANGING THE WORLD



## Measuring Success



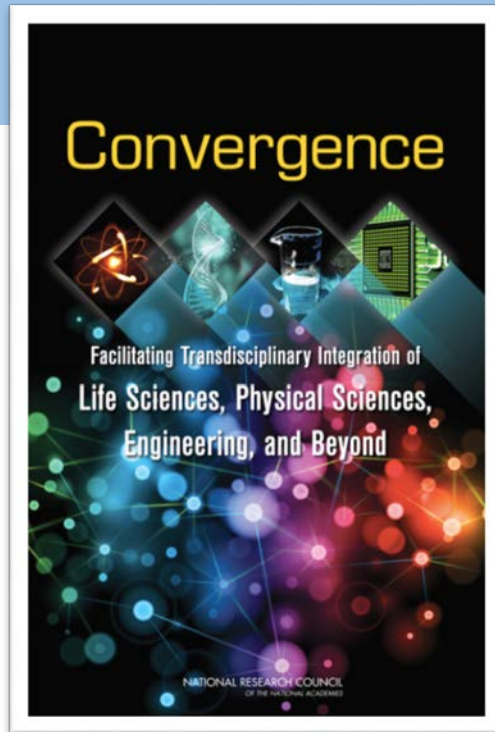
# RECRUITING WORLD-CLASS FACULTY



Tandy Warnow  
Founder Professor



# Theme 2: Identify significant sociotechnical problems that the system is particularly well-suited to solve.



# ILLINOIS ADDRESSES GRAND CHALLENGES



*“How can data inform learning outcomes?”*

*“How does discrimination affect mental and physical health?”*

*“How do we help patients suffering from sickle cell disease?”*



# THE LINCOLN LEGACY

Michael  
Burlingame

Chancellor Naomi B.  
Lynn Distinguished  
Chair in Lincoln  
Studies, UIS



*“What does history  
teach us about  
today’s human  
condition and how  
to address  
challenges of our  
future?”*

# MAJOR AWARDS FROM MANY AGENCIES

## *Addressing Sociotechnical Challenges*

**\$2.05 M**

*to support  
emerging areas  
of humanities*

"IPRH - Andrew W. Mellon  
Fellowships"

**\$20 M**

*to manage critical  
infrastructure  
disruptions*

"Critical Infrastructure  
Resilience Center of  
Excellence"  
HOMELAND SECURITY

**\$25 M**

*to increase crop  
yields*

"Photosynthetic Efficiency  
for Sustainable Increases in  
Crop Yield"  
GATES FOUNDATION

**\$52 M**

*big data services  
for astronomy  
(\$192M proposed)*

"Dark Energy Survey and  
Large Synoptic Survey  
Telescope"  
NSF

**\$135M +  
\$110M**

*to provide national  
HPC services  
2011-2021*

"XSEDE: Extreme Scale  
Science and Engineering"  
NSF

**\$360M**

*to build and  
support Blue  
Waters*

"Acquisition and support of  
Blue Waters"  
NSF

**\$17.7 M**

*translate science  
to prevention and  
treatment*

"UIC CCTS"  
NIH

**\$17.4 M**

*to tackle cancer in  
Chicago's minority  
neighborhoods*

"Chicago Cancer Health  
Equity Collaborative"  
NIH

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# Theme 3: Highlight the centrality of humanities and arts in the human experience





# CONVERGENCE OF ARTS AND DATA SCIENCE

## Donna Cox

Michael Aiken Chair  
Professor, School of Art and  
Design  
Director, Illinois Emerging  
Digital Research and  
Education in Arts Media  
Institute (eDream)  
Head, Research and  
Education Directorate,  
NCSA



**Lifetime Achievement  
Award  
IMERSA 2017 Summit**

*“Significant contributions to  
the world of full dome film.  
This honor is truly the  
highest accolade we can  
give to someone who has  
had such a profound  
impact on our profession.”*

[http://www.ncsa.illinois.edu/enabling/vis/cadens/documentary/solar\\_superstorms](http://www.ncsa.illinois.edu/enabling/vis/cadens/documentary/solar_superstorms)



# Theme 4: Forge new research and development partnerships around the world



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# PARTNERSHIPS: STATE AND WORLD



# PUBLIC-PRIVATE PARTNERSHIPS



Northern Trust



# INNOVATION IMPACT



**1,185** U.S. Patents Issued

**250+** Startups Incubated

**\$994M** Venture Capital/Angel  
Funding Raised

**90+** Companies in Research Park  
(includes 12 Fortune 500 companies)



# SELECT COMPANIES FOUNDED BY ALUMNI



TESLA MOTORS



# SUMMARY

**Innovation &  
Collaboration**

**Humanities  
& the Arts**

**Partnerships**

**Research &  
Development**

**Global  
Impact**







# Invest in Illinoisans

Ensuring talented Illinois high school students remain in Illinois for college



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