

DISCOVERY PARTNERS INSTITUTE:

An engine for economic development

UNIVERSITY OF ILLINOIS BOARD OF TRUSTEES

NOVEMBER 16, 2017



UNIVERSITY OF ILLINOIS SYSTEM

URBANA-CHAMPAIGN • CHICAGO • SPRINGFIELD

VICE PRESIDENT FOR ECONOMIC
DEVELOPMENT AND INNOVATION

OFFICE OF THE VICE PRESIDENT FOR ECONOMIC DEVELOPMENT & INNOVATION



U of I researchers invent technologies and create knowledge. VPEDI *elevates ideas* into practical applications that solve problems and change lives.



ECONOMIC DEVELOPMENT FRAMEWORK

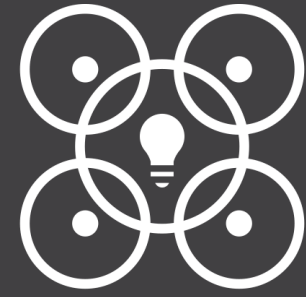
From the pipeline to the public, we help ensure that U of I innovations stimulate and contribute to local, national and global economies



Train &
Retain Talent



Support
Entrepreneurs



Create
Innovation Clusters





Stronger Together.



UNIVERSITY OF ILLINOIS SYSTEM
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An aerial photograph of the Chicago skyline, featuring numerous skyscrapers and a dense urban landscape. The sky is clear and blue. A semi-transparent grey box is overlaid on the upper right portion of the image, containing the text 'DISCOVERY PARTNERS INSTITUTE' in white, uppercase, sans-serif font. The text is arranged in three lines: 'DISCOVERY', 'PARTNERS', and 'INSTITUTE'.

DISCOVERY
PARTNERS
INSTITUTE

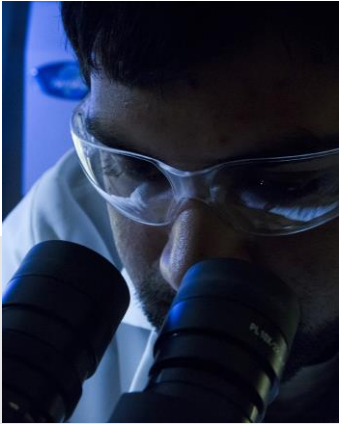
An interdisciplinary public-private research institute located in Chicago,
and a node of the **Illinois Innovation Network**



Leveraging the excellence
of the **University of
Illinois System** and
partners to dynamically
accelerate innovation
and **drive economic
growth**

DISCOVERY
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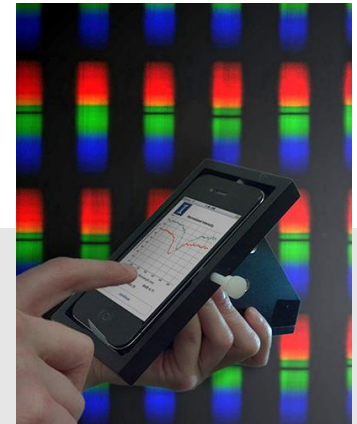
Enable world-class
problem-solving
to create life-
changing products



Retain and grow
local talent &
attract companies



Address critical
societal & industry
challenges



Create foundation for
unparalleled
innovation



OUR VISION

Transformation of the 21st century Illinois economy by ***reinventing the role of the research university*** via interdisciplinary public-private partnerships that aggressively drive technology-based economic growth with ***global impact***

OUR MISSION

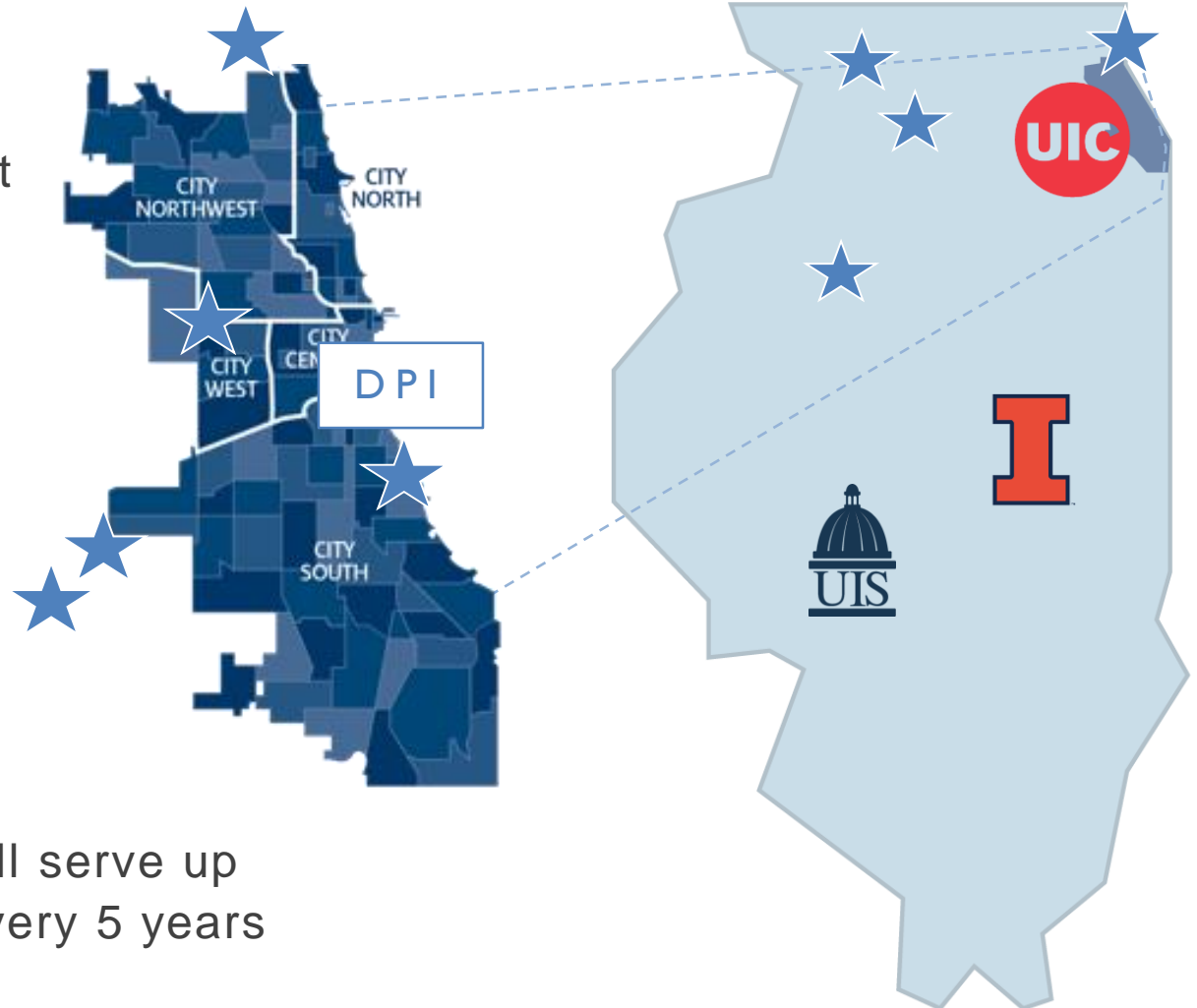
To create and deploy a ***pioneering networked innovation partnership*** that will attract genius-level faculty, students, and companies to work side-by-side to ***develop solutions, promote entrepreneurship,*** and ***empower inventors of the future***

DISCOVERY
PARTNERS
INSTITUTE

THE CENTRAL NODE TO POWER THE
ILLINOIS INNOVATION NETWORK
ILLINOIS-LED TRANSFORMATION THROUGH INNOVATION
PARTNERSHIPS

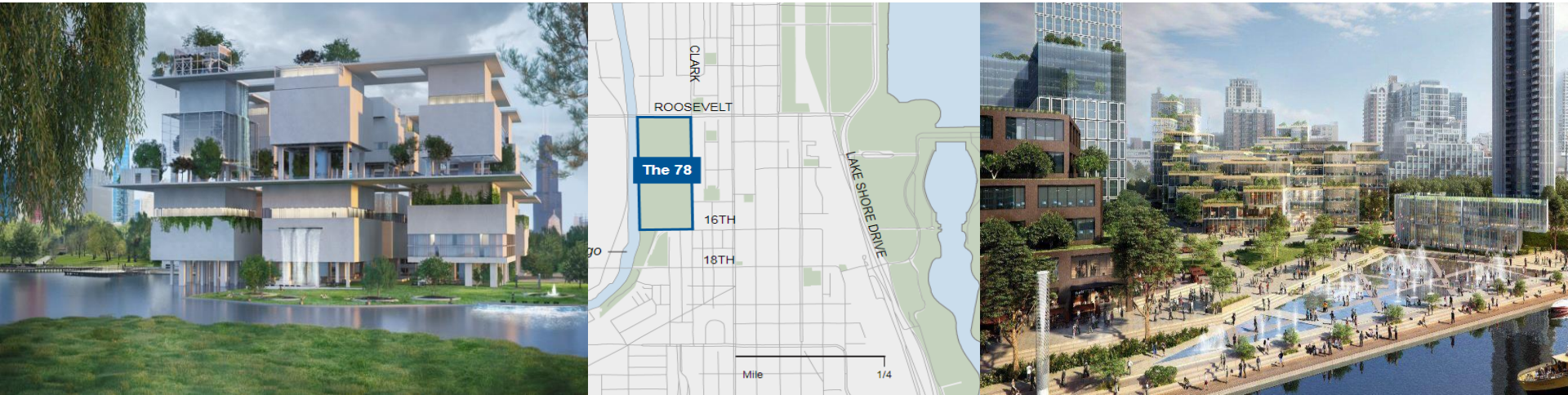
U of I students will spend up to 4 semesters at DPI

- Take classes online at partner institutions
- Work with resident companies and faculty
- Work at businesses, startups in Chicago
- Start a company



At full operation, DPI will serve up to **10,000 students** every 5 years

Development Plan



Initial development plan (by 2020):

- 500,000 sq ft lab, classroom, office space
- 498,000 sq ft residential space
- 50 faculty; 1,000 students; 200 staff
- 6 major corporate partners

Institute fully operational (by 2022):

- 1.8M sq ft
- 90 new faculty, 1800 students

Transformative Research Themes



Computing,
Big Data & Predictive
Analytics



Biosciences
& Health



Food & Agriculture

*Other research areas will **be defined based on industry partner needs**, such as advanced manufacturing and nanotechnology*

PHYSICAL CHARACTERISTICS

LIVE • LEARN • WORK • PLAY • INNOVATE

Bold, iconic design

Light, open, interconnected

1.8M+ square feet of research labs, classrooms, offices, student dorms, faculty/staff housing

Neighborhood feel

global destination with international feel



Indoor/outdoor space to **enhance collaboration** and **ideation**

Easy access

by public transit, within walking/ biking distance to neighborhoods, heart of the city

Connectivity

virtual classrooms, collaborative technologies, autonomous transportation



DISCOVERY
PARTNERS
INSTITUTE

WILL ATTRACT GLOBAL TALENT AND
BUILD UNPARALLELED HUMAN CAPITAL

90+ FACULTY

Recruit stellar faculty
and world-class
researchers

Offer competitive
startup packages

1,800+ STUDENTS

Attract, support,
retain talent

Provide program
support

Create industry, Illinois
job opportunities

**INDUSTRY
PROFESSIONALS**

Create university-
industry labs, cutting-
edge teams

Invest-in/initiate early,
team-centric research

License & commercialize
intellectual property

**GLOBAL
ENTREPRENEUR
S**

Develop full suite of
entrepreneurial
resources

Connect/link
international
engagement

DRIVING ECONOMIC GROWTH

Contribute to doubling of state GDP with global impact

Catalyze more than **\$100B in investment** over 25 years

Create **1 million jobs** globally



Attract the best talent in the world

Educate and retain **top talent in Illinois**

Train **10,000+** entrepreneurs

Engage local community and promote **social equity**

Attract major global corporations

Create **epicenter** for game changing new technologies

Launch the next **Google, GE, or Monsanto**



AGGRESSIVE TIMELINE FOR RAPID BUILDOUT

Phase 1

Phase 2

Phase 3

2017

2018

2020

2022



Design +
Planning

Launch Institute +
Groundbreaking

Institute Facilities
Open

Institute Fully
Operational

Catalyze billions in
private investment and
new research funding

Leverage ~\$1B in U of I
annual research dollars
in addition to research
funding of partners

Build prosperity through
massive job
development and wealth
creation

Additional growth
anticipated beyond
Phase 3 pending funding

- Research and educational facilities, office space, and housing
- Add'l research, education facilities at U of I to support research
- Transportation between DPI, U of I campuses, and network nodes

- 💰 Endowment for competitive startup packages for 90 new faculty
- 💰 Endowment to support students, staff, and visiting scholars
- 💰 Endowment to support programming

LED BY THE UNIVERSITY OF ILLINOIS SYSTEM

WITH MAJOR PARTNERS...



THE UNIVERSITY OF
CHICAGO



**Northwestern
University**

...IN CHICAGO AND ACROSS THE GLOBE

*New partnerships will be established
in the coming months and years*

We're Ready. Let's go!



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