150 Years of Convergence
At Illinois, we’ve been shaping the future since 1867.

We **unite** students with research experiences—
nurturing tech-savvy entrepreneurs and innovative thinkers.

We **connect** engineering and medicine—
building a new way of training physicians.

We **link** researchers with cutting-edge infrastructure—
enabling us to see further, go deeper, and learn more.

We **bridge** disciplines and push boundaries—
creating new ideas, new companies, and even new industries.

Our strengths converge. We question. We grow. We evolve.

SEE WHAT’S NEXT  #ILLINOISRESEARCH
$625M
Total research expenditures, FY2016
Cost share and unreimbursed F&A included

3,006
Faculty, Fall 2017
1,914 tenure track
1,092 specialized

678
Earned doctorates
NSF survey of earned doctorates in 2016

33,624
Undergraduate students, Fall 2017

13,210
Graduate students, Fall 2017

24%
International students, Fall 2017

3.1M
Square footage for research at the University

150+
Centers, laboratories, and research institutes

24M+
Items and materials in the University Library
Illinois Data Science Initiative launched to provide data-science tools to the campus community.

Historic $150 million gift given to the Gies College of Business by Illinois alumni Larry and Beth Gies.

Carle Illinois College of Medicine received LCME accreditation and began recruiting its first class.

Pivotal $115 million grant received from the DOE to launch CABBI, a research center focused on biofuels and bioproducts.

Illinois researchers received three Major Research Instrumentation awards from the National Science Foundation.
Susan Martinis, the Stephen G. Sligar Professor of Molecular and Cellular Biology, named Interim Vice Chancellor for Research.

The Illinois Program for Research in the Humanities celebrated its 20th anniversary!

$1.08B: the economic impact of the Blue Waters supercomputer on the state of Illinois.

New Cancer Center at Illinois launched to unite powerhouse programs, facilities, and researchers.

Illinois faculty received recognition from the National Academy of Medicine, the Packard Foundation, AAAS, NEH, and many others.

The NSF-supported Materials Research Science and Engineering Center launched to study novel materials.
Total Research and Development Expenditures*  
FY12 - FY16

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY12</td>
<td>$584M</td>
</tr>
<tr>
<td>FY13</td>
<td>$743M**</td>
</tr>
<tr>
<td>FY14</td>
<td>$622M</td>
</tr>
<tr>
<td>FY15</td>
<td>$640M</td>
</tr>
<tr>
<td>FY16</td>
<td>$625M</td>
</tr>
</tbody>
</table>

*HERD results include cost sharing, unreimbursed F&A, and nonsponsored institutional research support.

** FY13 increase includes $120M related to construction of the Blue Waters supercomputer.

Total Sponsored Federal Research and Development Expenditures  
FY12 - FY16

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY12</td>
<td>$360M</td>
</tr>
<tr>
<td>FY13</td>
<td>$469M</td>
</tr>
<tr>
<td>FY14</td>
<td>$343M</td>
</tr>
<tr>
<td>FY15</td>
<td>$338M</td>
</tr>
<tr>
<td>FY16</td>
<td>$335M</td>
</tr>
</tbody>
</table>

Federal prime awardee includes dollars passed through other entities.
Total Expenditures by Federal Agency
FY16

- National Science Foundation
- U.S. Department of Health and Human Services
- U.S. Department of Energy
- U.S. Department of Defense
- U.S. Department of Agriculture
- Other

Total Corporate Contract and Philanthropic Support
FY13 - FY17

**Contracts***

<table>
<thead>
<tr>
<th>Year</th>
<th>Contracts*</th>
<th>Philanthropy**</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY17</td>
<td>$115.8M</td>
<td>$61.1M</td>
</tr>
<tr>
<td>FY16</td>
<td>$114.8M</td>
<td>$60.3M</td>
</tr>
<tr>
<td>FY15</td>
<td>$115.4M</td>
<td>$62.6M</td>
</tr>
<tr>
<td>FY14</td>
<td>$111.2M</td>
<td>$67.8M</td>
</tr>
<tr>
<td>FY13</td>
<td>$100M</td>
<td>$64.8M</td>
</tr>
</tbody>
</table>

*Actual expenditures of non-philanthropic corporate funds during the fiscal year provided by Sponsored Programs Administration.

**Total receipts from outright gifts, pledge payments, and grant payments as provided by the University of Illinois Foundation.
Our community is regularly recognized as one of the nation’s leading tech hubs and a top city for recent college grads.

**RESEARCH PARK AND ENTERPRISEWORKS**

- **2,000 employees**
- **17 buildings**
- **650 student interns**
- **790,000 square feet developed with a private partner**
- **150 events held each year**
- **110+ companies**

Research Park employers include:

Abbott  ABInBev  Ameren  BRUNSWICK  CapitalOne  CATERPILLAR  Dow  John Deere  Oath:  StateFarm
Hundreds of teams and start-up companies receive support from University resources that enable entrepreneurship and economic development.

50 start-up tenants reside in the EnterpriseWorks incubator at any given time.

Between 2013-2017, more than 120 teams participated in the Illinois I-Corps site, raising over **$45M in external funding**.

Companies that incubated at EnterpriseWorks have raised an impressive **$940M in venture capital/private equity financing**.

**62% of Illinois start-ups** remain in the state.

**$108M in SBIR/STTR funding** since EnterpriseWorks opened in 2003.

**125 student start-up teams** competed in the 2017 Cozad New Venture Competition.

1,000+ invention disclosures in the last five years

800+ active U.S. patents

**START-UP SUCCESS**

There are more than 60 active start-ups based on University technology across the U.S.*

Many in Illinois are in EnterpriseWorks, a small business incubator/accelerator in the University’s Research Park.

*As reported in the Office of Technology Management’s FY17 Annual Report.
Conducting cutting-edge research requires world-class facilities, tools, and services. From microscopes to manuscripts, Illinois researchers have access to remarkable resources that support inquiry and discovery. Highlights include:

- **Blue Waters**: One of the most powerful supercomputers in the world, Blue Waters is a unique tool for scientific discovery.

- **The Energy Farm**: A 320-acre living laboratory for research in alternative energy, sustainable food production, and environmental stewardship.

- **Integrated Bioprocessing Lab**: Scaling up renewable bioprocessing technologies through the advancement of food, fuel, and fiber-based research and education.

- **Center for Advanced Study**: Brings together scholars from diverse disciplines and backgrounds, encouraging and rewarding excellence in all areas of academic inquiry.

- **Beckman Imaging Resources**: Biomedical imaging, microscopy, and visualization equipment to enable scientific inquiry and new research directions.
The University Library
14 million+ volumes, including one of the greatest rare and special book collections in the world.

Roy J. Carver Biotech Center
Tools and services that support discovery in genomics, proteomics, and metabolomics.

Veterinary Diagnostic Lab
Diagnostic medical testing for infectious agents, toxins, and other causes of disease in animal diagnostic samples.

IGB Core Facilities
Resources for biological microscopy and image analysis, including microscopes, nuclear magnetic resonance, tissue processing, plant growth chambers, and 3D printing.

Collections at the PRI
Premier archaeological, biological, and geological research collections in the U.S., including irreplaceable human artifacts, fossils, geological samples, and biological specimens.

Krannert Art Museum
Rich, permanent collection with over 10,000 works dating from the fourth millenium BCE to the present, representing a broad range of cultures.

FOR MORE go.illinois.edu/infrastructure
<table>
<thead>
<tr>
<th>INSTITUTE</th>
<th>WHAT THEY DO</th>
<th>CORE ACTIVITIES</th>
</tr>
</thead>
</table>
| Beckman Institute for Advanced Science and Technology | Interdisciplinary research in physical sciences, biological imaging, computation, engineering, behavior, and neuroscience | • Integrative imaging  
• Intelligent systems  
• Molecular and electronic nanostructures |
| Carl R. Woese Institute for Genomic Biology | Multidisciplinary, team-based genomics research in energy use and production, the environment, human health, agriculture, and fundamental biology | • Systems biology  
• Cellular and metabolic engineering  
• Genome technology  
• Public engagement and outreach |
| Illinois Program for Research in the Humanities | Research in the humanities, arts, and social sciences for deeper understanding of people, societies, artifacts, and events | • Fellowships for faculty, graduate students, and postdoctoral researchers  
• Lectures, symposia, and panel discussions  
• Research clusters and reading groups  
• Awards that recognize excellence in humanities research |
| Institute for Sustainability, Energy, and Environment | Actionable research to find solutions for global needs in sustainability, energy, and environment | • Research in climate solutions, energy transitions, sustainable infrastructure, water and land, stewardship, and secure and sustainable agriculture  
• Campus sustainability efforts  
• Education and outreach |
<table>
<thead>
<tr>
<th><strong>INSTITUTE</strong></th>
<th><strong>WHAT THEY DO</strong></th>
<th><strong>CORE ACTIVITIES</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Interdisciplinary Health Sciences Institute</td>
<td>Support and coordination for campus health sciences research</td>
<td>• Strengthening relationships with clinical providers</td>
</tr>
<tr>
<td>healthinstitute.illinois.edu</td>
<td></td>
<td>• Support for clinical and translational research</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Enhancing the University’s stature as a leader in health sciences research</td>
</tr>
<tr>
<td>National Center for Supercomputing Applications</td>
<td>Computational power and expertise to develop simulations and study models that cannot be physically created in labs</td>
<td>• Bioinformatics and health sciences</td>
</tr>
<tr>
<td>ncsa.illinois.edu</td>
<td></td>
<td>• Computing and data sciences</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Culture and society</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Earth and environment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Materials and manufacturing</td>
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<tr>
<td></td>
<td></td>
<td>• Physics and astronomy</td>
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<tr>
<td>Prairie Research Institute</td>
<td>Objective research, expertise, and data to steward our nation’s natural and cultural resources</td>
<td>• Energy</td>
</tr>
<tr>
<td>prairie.illinois.edu</td>
<td></td>
<td>• Climate</td>
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<td>• Water</td>
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<td>• Agriculture</td>
</tr>
<tr>
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<td>• Public health</td>
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<tr>
<td></td>
<td></td>
<td>• Environment</td>
</tr>
</tbody>
</table>

**LARGE-SCALE RESEARCH INITIATIVES AND CENTERS ACROSS CAMPUS**

- Center on Health, Aging, and Disability
  chad.illinois.edu

- Coordinated Science Laboratory
  csi.illinois.edu

- Family Resiliency Center
  familyresiliency.illinois.edu

- Frederick Seitz Materials Research Laboratory
  mri.illinois.edu

- Illinois Applied Research Institute
  appliedresearch.illinois.edu

- Micro + Nanotechnology Lab
  mntl.illinois.edu

- Unit for Criticism and Interpretive Theory
  criticism.english.illinois.edu
Both undergrad and graduate students are involved in all aspects of research at Illinois, working in labs, conducting field trials, doing analysis, and presenting discoveries. In 2017, more than 2,000 students were involved in the activities at the campus-wide research institutes.

Research faculty and staff teach courses, offer guest lectures, and present workshops to foster the practical training of graduate students—enhancing learning, creating unique opportunities, and educating the next generation of scholars, scientists, and technology leaders.
FIND ILLINOIS RESEARCH EXPERTISE
Discover Faculty Profiles | Identify Collaborators | Search for Scholarly Works and Publications