Redefining research

**Discovery Park**, n: 1. An archetype for future research and discovery that will stretch across 40 acres on the southwest corner of Purdue’s West Lafayette campus. Discovery Park houses ten centers of innovation:

- Bindley Bioscience Center
- Birck Nanotechnology Center
- Burton D. Morgan Center for Entrepreneurship
- Center for Advanced Manufacturing
- Center for the Environment
- Cyber Center
- Discovery Learning Center
- e-Enterprise Center
- Energy Center
- Oncological Sciences Center
Changing the traditional formula

Since the University’s founding in 1869, Purdue graduates and faculty have been front-liners in the pursuit of transforming our society. But a deeper, more fundamental change must now take place to advance future discoveries. And leaders around the world are looking to research universities like Purdue as the source for both talent and ideas to drive economic, social, and cultural progress.

Today’s cutting-edge research has become increasingly interdisciplinary, calling on the insights of researchers from many disciplines to solve today’s complex problems. Discovery Park’s engineers, biologists, economists, and computer scientists — just to name a few — work side by side with a common mission in mind.

New methods. New ideas.


And it is happening here.

The Result:
Ten interdependent centers of discovery, learning, and engagement

- **Bindley Bioscience Center**
  Life sciences and engineering researchers collaborate to explore new technologies and scientific knowledge that can impact the broad boundaries of plant, animal, and human diseases. Technology development and basic research for large-scale analyses of proteins, metabolites and cellular structure/function combine with advanced data management and mining systems to foster new understanding of biological systems for improving the quality of life in Indiana, the nation, and the world.

- **Birck Nanotechnology Center**
  Encompassing science, engineering, and technology, research at the center is directed towards understanding, designing, and creating improved nanoscale materials, structures, devices and systems that exploit valuable new nanoscale properties.

- **Burton D. Morgan Center for Entrepreneurship**
  This center is a platform to launch new technology-based enterprises from Purdue research endeavors. It is helping faculty, students, and Indiana businesses better understand technology transfer and commercialization.

- **Center for Advanced Manufacturing**
  Industrial development is vital to the economic health of the state of Indiana. The center bridges basic academic research with specific industrial needs to enhance both the understanding and application of manufacturing issues in Indiana.

- **Center for the Environment**
  At a time when the Earth’s resources are being consumed and modified at unprecedented rates, the Center for the Environment will work to respond to the need of protecting our environment while sustaining a global economy through scientific discovery, educational enlightenment, and innovative entrepreneurship.

- **Cyber Center**
  Cyberinfrastructure (CI) is infrastructure based upon distributed computer, information, and communication technologies. Through developing and applying CI, this center will give Purdue a competitive advantage in creating, disseminating, and preserving scientific and engineering knowledge.

- **Discovery Learning Center**
  Learning Center projects focus on the design and assessment of educational initiatives, innovative learning spaces, and advanced technologies to enhance our understanding of the learning process and improve educational practices.

- **e-Enterprise Center**
  The e-Enterprise Center’s mission is to seed, nurture, and execute large multi-disciplinary research projects that involve applying computing and information technology to address real-world problems and challenges.

- **Energy Center**
  The Energy Center is a multidisciplinary academic community of over 75 researchers, scientists, engineers and economists formed to interact with and significantly contribute to the energy solutions that states, nations, and the world are currently seeking.

- **Oncological Sciences Center**
  By working toward the National Cancer Institute’s goal of eliminating cancer as a cause of suffering and death by 2015, the Oncological Sciences Center will focus on research that addresses prevention, early detection, and treatment services for all segments of the population.

www.purdue.edu/discoverypark