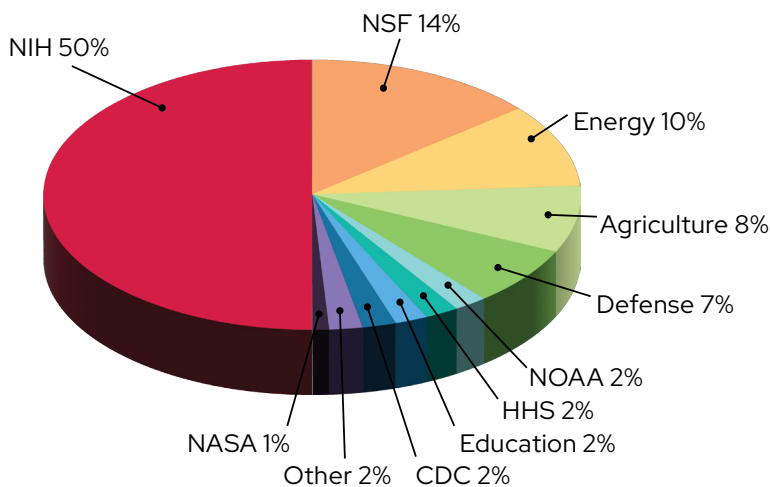




# RESEARCH AND INNOVATION AT UW-MADISON

The University of Wisconsin–Madison is a research powerhouse with annual expenditures exceeding \$1.73 billion, a figure that puts us among the top 10 universities in the nation for volume of research. From education to entrepreneurship, research touches every part of the UW–Madison experience. We turn our discoveries into commercial opportunities that directly benefit industries across the entire state of Wisconsin and help solve some of the biggest challenges at home and around the globe.

## 2022–23 Federal Research Awards



**16<sup>th</sup>** greatest source of U.S. patents from a survey of the world’s top universities, **12<sup>th</sup>** among U.S. universities

**128** patents issued in FY2024 to the Wisconsin Alumni Research Foundation for UW inventions and **363** disclosures

**\$1.73B**

invested in research annually

**6<sup>th</sup>**

in nation for research expenditures

**8<sup>th</sup>**

in nation for science & engineering research expenditures

**20**

Nobel Prizes by faculty & alumni

**400+**

Startups formed from UW–Madison research

**160+**

Master’s and specialist programs, **100+** doctoral programs, and more than **11,000** graduate and clinical doctoral students

**750+**

PhD degrees awarded annually

## UW–Madison Research Highlights

### Research Participation

- **15,945** individuals involved in research on approved protocols in 2024.
- **2,340** principal investigators with **8,864** combined approved protocols in 2024.
- University of Wisconsin–Madison is proud to train over **750** [postdoctoral trainees](#) who are performing research in fields ranging from astronomy to biomedical engineering to history and economics.
- **44%** of 2023–24 bachelor’s degree recipients graduated with research experience.
- Undergraduate students at UW–Madison are fortunate to have the opportunity to work with some of the world’s leading researchers. Students can experience all aspects of the research process, from assisting others in the lab to designing, directing, and presenting their own research. It’s also possible to obtain funding or credit for undergraduate research work.

**Faculty scholarly activities over the past 36 months** (Source: [Research at a Glance, January 28, 2025](#))

**22,454**

articles

**1,749**

conference proceedings

**259**

books

**430**

patents

### A Legacy of Discovery

- Vitamins A and B and use of Vitamin D
- Blood-thinner Warfarin
- *Homo naledi* human ancestor
- Cosmic neutrinos at South Pole
- Creation of synthetic genes
- Regenerative medicine paving the way for better health

### University of Firsts

- Bone marrow transplant (UW Hospital)
- Academic dance program
- Department of wildlife management
- Projection world map that reflects true continent size
- Poverty research center
- Oldest educational radio station
- First space-based weather camera
- Development of Wisconsin Solution, used in transplant surgery