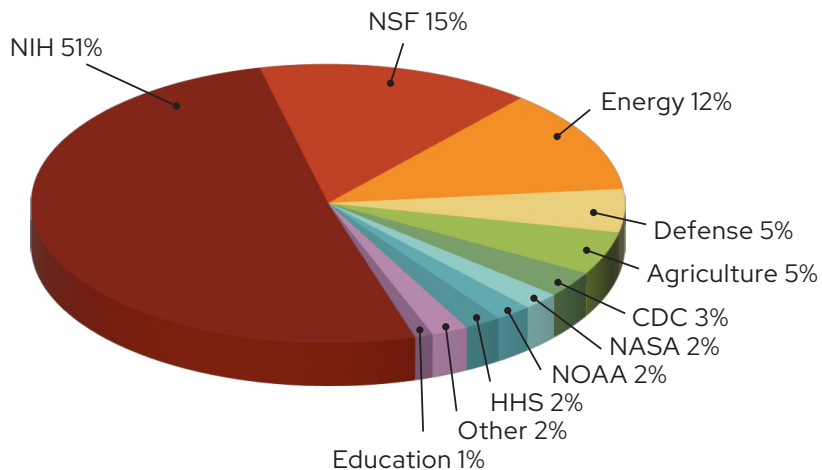




RESEARCH AND INNOVATION AT UW-MADISON

The University of Wisconsin–Madison is a research powerhouse with annual expenditures exceeding \$1.38 billion, a figure that puts us inside the top 10 in the nation among universities 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 impact industries across the entire state of Wisconsin and help solve some of the biggest challenges at home and around the globe.

2021–22 Federal Research Awards



12th greatest source of U.S. patents from a survey of the world’s top universities, **10th** among U.S. universities

131 patents issued in 2022 to the Wisconsin Alumni Research Foundation for UW inventions and **359** disclosures

\$1.38B

invested in research annually

8th

in nation for research expenditures
2nd among Big Ten institutions

8th

in nation for Science & Engineering research expenditures

20

Nobel Prizes by faculty & alumni

400+

Startups formed from UW–Madison research

160+

Graduate programs and more than **10,000** graduate students

800+

PhD degrees awarded annually





RESEARCH AND INNOVATION AT UW-MADISON

UW-Madison Research Highlights

Research Participation

- **14,193** individuals involved in research on approved protocols in 2022.
- **2,329** principal investigators with approved protocols in 2022.
- University of Wisconsin-Madison is proud to train over **1,100** postdoctoral trainees who are performing research in fields ranging from astronomy to biomedical engineering to history and economics.
- **39%** of 2021-22 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)

20,068

articles

1,332

conference proceedings

293

books

97

clinical trials

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

For more UW-Madison Research in 2022 visit news.wisc.edu/uw-research-in-2022-from-restored-prairies-to-scorpion-venom-to-the-sewer

