



U.S. National
Science Foundation



NSF 75
YEARS OF
INNOVATION

2025 marks the 75th anniversary of NSF. Throughout the year, the agency will host in-person and virtual activities to commemorate this significant milestone. For more information, visit: [nsf.gov/75years](https://www.nsf.gov/75years)

OREGON

● FAST FACTS



\$95,711,000

Total NSF Awards to Oregon



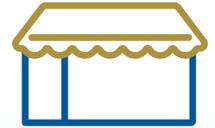
\$77,610,000

Invested in Fundamental Research in Oregon



\$18,101,000

Invested in STEM Education in Oregon



\$2,120,000

Invested in Oregon Businesses

● TOP NSF-FUNDED ACADEMIC INSTITUTIONS

Oregon State University
\$49,405,000

University of Oregon
\$22,345,000

Portland State University
\$10,890,000

● NSF BY THE NUMBERS

The U.S. National Science Foundation (NSF) is an independent federal agency created by Congress in 1950 to promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense. To fulfill this vital role, NSF supports basic research and researchers who create knowledge that transforms the future.

DID YOU KNOW? NSF has funded the work of **268** Nobel Prize winners over 75 years.



\$9.06B
FY 2024
Total Enacted

92%
Funds research, education and related activities



11K
Awards



1.9K
Institutions



358K
People

"Data represents FY 2024 Actuals unless otherwise indicated"



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INNOVATION | *Generating new knowledge that provides a greater understanding of the world around us*

Modern biotechnologies, based on the ability to insert and precisely modify genes, are a new wave of innovation that is beginning to deliver major advancements to traits such as stress resistance and product quality. But for numerous crops, including most woody plants, the ability to carry out modern biotechnology is limited by a very low rate of gene insertion and regeneration of modified plant tissues. That is why **Oregon State University** is leveraging an NSF Plant Genome Research Project award to identify new *Agrobacterium* (a naturally occurring plant genetic engineer) strains, and new genes encoded in their T-DNAs, that can improve the success rate of plant gene editing. Researchers are scanning approximately 100 novel *Agrobacterium* strains for their capacity to transform the economically important and scientific “lab-rat” woody species poplar, studying the reasons for variation among strains and poplar genotypes in efficiency, analyzing the *Agrobacterium* genes responsible for high transformation capacity, and using the best strains and genes engineer new and more powerful strains. These innovations have the potential to significantly further increase the productivity of American agriculture.

EXPANDING FRONTIERS | *Generating institutional capacity, new technologies and societal impact*

Climate-related natural hazards such as floods, droughts and wildfires are increasing in frequency, disrupting critical infrastructure and diminishing human well-being. These hazards, combined with each other or with geologic risks such as earthquakes and volcanic eruptions, can multiply their devastating impacts on society. Recent examples in the Western United States include prolonged droughts followed by mega wildfires and extreme flooding. Understanding causes, consequences and human responses to these compound hazards requires versatile skills ranging from communication to computational and systems thinking to translate knowledge into action. An NSF Research Traineeship (NRT) award to **Portland State University** is developing a transformative graduate training program to address and identify solutions for these growing hazards. The project builds upon community-engaged transdisciplinary collaboration among faculty across three colleges and will produce a highly competent and responsive workforce with the broad technological, scientific and social skills necessary to address such challenges.

EDUCATION AND WORKFORCE | *Supporting our STEM talent of today and tomorrow*

The NSF-funded Scholarships in Science, Technology, Engineering, and Mathematics Hub, led by **Education NorthWest**, contributes to the national need for well-educated scientists, mathematicians, engineers and technicians by creating a better understanding of how post-secondary institutions and state agencies across multiple sectors (i.e., education, workforce, housing and health and human services) can support low-income STEM college students. Over five years, Education NorthWest, in partnership with Washington state agencies and institutions of higher education, will reveal new and actionable information how publicly funded housing, health and human services programming can address the needs of low-income students in STEM. The Hub will bring together stakeholders across sectors to move from data to action, changing how practitioners and policymakers think about support for students to improve their retention and degree completion; and will model how other states and the federal government can use data to improve success for low-income students.

ON THE CUTTING EDGE

NSF is pushing the boundaries of what is possible in today's most important technology areas, including [artificial intelligence](#), [quantum information science](#), and [biotechnology](#). The Foundation also maintains industry-leading, [state-of-the-art facilities](#) around the world.

NCSES

The [National Center for Science and Engineering Statistics \(NCSES\)](#) within the U.S. National Science Foundation is the nation's leading provider of statistical data on the U.S. science and engineering enterprise. As a principal federal statistical agency, NCSES conducts nationally representative surveys and publishes objective data and reports on topics related to research and development, the science and engineering workforce, and STEM education. For example, in FY 2024, **Oregon** invested **\$12,570,000,000** on research and development.

For more information on NSF's impact in your state, please contact NSF Office of Legislative and Public Affairs at congressionalteam@nsf.gov.

LEARN MORE

- **BROUGHT TO YOU BY NSF** – NSF has invested in discoveries, inventions, and innovations that have shaped the modern world, including the internet, 3D printing, American Sign Language, Magnetic Resonance Imaging (MRI), deep sea exploration, Doppler radar and more. For more information on NSF impacts, please visit: nsf.gov/impacts.
- **RESEARCH SECURITY** – NSF is committed to safeguarding the integrity and security of science and engineering while also keeping fundamental research open and collaborative. NSF seeks to address an age of new threats and challenges through close work with our partners in academia, law enforcement, intelligence and other federal agencies. By fostering transparency, disclosure and other practices that reflect the values of research integrity, NSF is helping to lead the way in ensuring taxpayer-funded research remains secure. To learn more, please visit [NSF's Research Security website](#).
- **FOSTERING INNOVATION** – Every year, NSF funds around 400 companies across nearly all technology areas to create prototypes and commercialize technologies. Learn more at seedfund.nsf.gov.