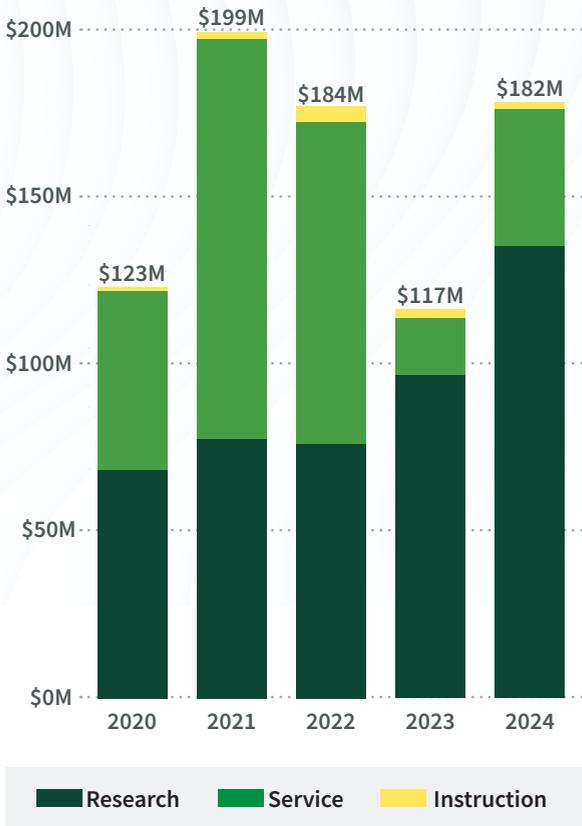




# Driving Progress: The Impact of Federal Research Funding at the University of Oregon

By strengthening communities, driving economic activity, and inspiring breakthroughs across disciplines—from the sciences to the arts—federal investments in research fuel discoveries at the University of Oregon that shape a more resilient, innovative, and impactful future in Oregon and across the nation.

## Total Project Amount by Fiscal Year and Purpose



## Grants by Agency, FY 2024

National Institutes of Health	173 grants   \$49.5 million
Education	60 grants   \$33.9 million
National Science Foundation	24 grants   \$33.7 million
Energy	43 grants   \$6.8 million
Interior	28 grants   \$4.3 million
Defense	20 grants   \$4.0 million
NASA	22 grants   \$2.0 million
Health and Human Services	9 grants   \$1.3 million
Agriculture	24 grants   \$1.2 million
Other	4 grants   \$1.2 million
Homeland Security	12 grants   \$1.0 million
Corp. for National and Community Service	1 grant   \$759,000
State Department	5 grants   \$416,000
Department of Commerce	6 grants   \$359,000
National Endowment for the Humanities	4 grants   \$209,000
National Endowment for the Arts	8 grants   \$180,000
Environmental Protection Agency	1 grant   \$150,000
Institute of Museum and Library Services	1 grant   \$100,000
Institute of Peace	2 grants   \$64,000
Transportation	2 grants   \$28,000

FY 2024

165

principal investigators

224

awards

\$144M

in federal awards

# The Impact of Federally Sup

## National Science Foundation and the UO

The National Science Foundation (NSF) promotes the progress of science in the US and advances national health, prosperity, and welfare. NSF funding fuels transformative research at UO, supporting breakthroughs across all disciplines.



**Sustainable Materials:** NSF funding supports UO research on sustainable building materials, including a 2023 Regional Innovation Engines phase one award to advance innovations in mass timber architecture, engineering, and construction in the Pacific Northwest.

**Disaster Resilience:** In 2023, NSF awarded \$15M to establish CRESCENT as the nation's first subduction zone earthquake center. Led by the UO, CRESCENT advances Cascadia earthquake research, trains future geoscientists, and delivers actionable data to enhance community resilience across the Pacific Northwest.



**Climate Solutions:** Supported by a \$3M NSF grant, UO researchers partner with the Coquille Indian Tribe and rural communities to develop sustainable climate solutions. By integrating Indigenous knowledge with ecological science, this work reduces atmospheric carbon while protecting local ecosystems and strengthening community resilience.



## National Institutes of Health and the UO

The National Institutes of Health (NIH) is the nation's medical research agency and the top federal funder of research at the UO. NIH funding powers life-changing discoveries, from advancing health equity and improving mental health to pioneering biomedical innovations that improve lives and strengthen communities.



**Classroom Success:** The Inclusive Skill-Building Learning Approach (ISLA), pioneered by UO researchers, transforms school discipline by replacing suspensions with strategies that build positive teacher-student relationships, improves classroom culture, and reduces substance misuse risks. Initially funded by IES, UO researchers received a \$3.7M NIH grant to test the model in 60 middle schools across six states.



# Supported Research at the UO

## Education Research and the UO

Institute of Education Sciences (IES) and Department of Education funding support the UO's leadership in improving educational outcomes and addressing systemic challenges in education nationwide. The UO ranks first among all universities in the nation for the number of IES awards.

**Positive Learning Environments:** UO leads the Center on Positive Behavioral Interventions and Supports (PBIS), which equips more than 27,000 schools with tools to foster positive learning environments and reduce punitive discipline. In 2023, PBIS received \$21 million from the US Department of Education to continue this transformative work.



**Family Success:** Supported by a \$3M IES grant, the Family Check-Up (FCU), developed by UO researchers, supports families with children aged 2-17 by addressing behavioral and emotional challenges. Results from FCU studies have shown decreases in childhood depression, reduced adolescent substance use, and increased positive parenting.

### Employment Pathways:

Christopher Murray, director of the Center on Human Development, received a \$10 million, five-year award from the US Department of Education to create pathways to integrated employment for youth and adults with developmental disabilities.



**Genetics:** UO researchers pioneered the use of zebrafish as a model for studying vertebrate genetics and human biology. Supported by NIH funding, the Zebrafish Information Network and Zebrafish International Resource Center provide data and materials to 1,500+ labs worldwide, advancing research on human diseases.



**Biosciences:** NIH-funded researchers at the UO's Knight Campus are developing a new pulse oximeter to improve accuracy for patients with darker skin tones. This innovation addresses disparities in healthcare and aims to reduce diagnostic errors, ensuring better outcomes for all patients.



Sethuraman Panchanathan (center), the director of the National Science Foundation, visited the UO in August 2024 to tour research facilities and meet with students.

## The Power Behind the Research

At the heart of the UO's research enterprise are the dedicated people advancing discovery and innovation.

In FY 2024, **165 principal investigators** secured **244 federal awards**, totaling **\$144 million**.

The UO faculty includes distinguished scholars and researchers recognized with prestigious honors, including a **Nobel Prize winner**, a **MacArthur Fellow**, two **National Medal of Science winners**, and **11 National Academy of Science members**.

UO research is helping to shape future generations of scientists, innovators, and entrepreneurs, with **74% of UO students engaged in research activity**.

The UO ranks **#1 in applied physics** and **#5 in applied chemistry** for master's degrees nationwide, with **~1,000 STEM undergraduate degrees conferred annually**.

## INNOVATION AT THE UO

FY 2024

**10,384**

total licenses

**29**

active startups

**\$7.7M**

licensing revenue