



UNIVERSITY OF WASHINGTON  
WORLD LEADERS IN RESEARCH

# FACTS FY2020

The University of Washington is one of the world's preeminent public universities in impact and funding with \$1.63B in sponsored grants and contracts. Since 1972, we have received more federal research funding than any other U.S. public university, and since 1969 consistently placed among the top five for total sponsored research funding for all public and private universities in the country. We are one of the few universities in the U.S. with sponsored research funding over \$1B. We have a proud culture of collaboration and discovery that has kept the UW globally competitive. The Institute of Higher Education at China's Shanghai Jiao Tong University ranks the UW at 16th among the world's top universities. The National Taiwan University ranked the UW 8th overall and 1st for public universities worldwide for the quality and impact of research endeavors. U.S. News ranked UW 8th among world universities in the "Best Global Universities Rankings."

## RESEARCH FUNDING

- \$1,631,239,212 total sponsored grants and contracts
- \$1,231,532,044 in federal funding
- \$399,707,168 in non-federal funding
- \$5,506 grants, including 236 grants over \$1M

## ECONOMIC AND EDUCATIONAL IMPACT OF RESEARCH

- In Academic Year 2019-2020, 4,940 unique students engaged in university-sponsored public service for 6,302 student-quarters, contributing 566,367 hours of service to local, regional, and global communities.
- In Academic Year 2019-2020, 8,299 unique students worked with guidance from UW faculty mentors for 12,957 student-quarters, spending approximately 1,512,617 hours devoted to research.
- In Academic Year 2019-2020, 2,632 unique students completed university-affiliated internships for 4,157 student-quarters, spending approximately 450,081 hours at internship sites.
- Sponsored projects supported 5,573 full-time equivalent employees during FY20. Based on economic multipliers provided by the Washington State Higher Education Coordinating Board, UW research funding generated about 24,520 jobs statewide.
- In Academic Year 2020-2021, 3,375 graduate students were supported on research grants and contracts, including 244 NSF graduate fellows (168 received funding), and 476 graduate students on training grants. In addition, 1,823 post-doctoral fellows were supported by UW grants and contracts.

## UW FACULTY HONORS

- American Academy of Arts and Sciences: 101 members
- American Association for the Advancement of Science: 193 Fellows
- Gairdner International Awards: 12 recipients
- Albert Lasker Medical Research Awards: 6 recipients
- MacArthur Fellows: 17 recipients
- National Academy of Engineering: 32 members
- National Academy of Medicine: 67 members
- National Academy of Public Administration: 3 recipients
- National Academy of Sciences: 88 members
- National Medal of Science: 6 recipients
- The Shaw Prize: 2 recipients

## UW FACULTY NOBEL PRIZES

Seven UW faculty members have won the prestigious Nobel Prize:

- Hans Dehmelt, Professor Emeritus in Physics, 1989 Nobel Prize in Physics for research on immobilizing single subatomic particles
- E. Donnall Thomas, Professor Emeritus in Medicine, 1990 Nobel Prize in Physiology or Medicine for research on bone marrow transplantation, done primarily at the Fred Hutchinson Cancer Research Center
- Edwin Krebs and Edmond Fischer, Professors Emeriti in Biochemistry and Pharmacology, 1992 Nobel Prize in Physiology or Medicine for discovery of reversible protein phosphorylation
- Leland Hartwell, Professor of Genome Sciences and Adjunct Professor of Medicine, 2001 Nobel Prize in Physiology or Medicine for discoveries of key regulators of the cell cycle
- Linda Buck, Professor of Microbiology and Psychology, Affiliate Professor of Physiology and Biophysics, 2004 Nobel Prize in Physiology or Medicine for discoveries of odorant receptors and the organization of the olfactory system
- David Thouless, Professor Emeritus in Physics, 2016 Nobel Prize in Physics for exploring exotic states of matter

## EXAMPLES OF MAJOR RECENT GRANTS

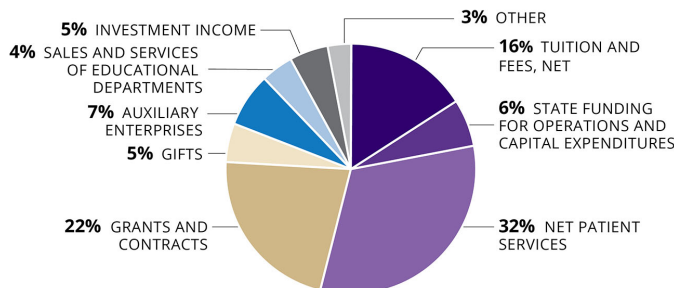
- \$1.8M for three years from the US Department of Energy, Office of Energy Efficiency & Renewable Energy to develop CRISPR technologies and rapidly engineer bacteria to produce chemicals from renewable materials. PI: James Carothers
- \$9.9M for five years from the Centers for Disease Control and Prevention to conduct community-engaged research that promotes equity in healthy aging and is incorporated into community practice. PIs: Peggy Hannon and Mark Snowden
- \$2M for four years from the Simons Foundation through the Simons Collaboration on Ocean Processes and Ecology initiative to study the role of metabolites in the structure and function of marine microbial communities. PI: Anitra Ingalls
- \$2.3M for five years from a National Institutes of Health Director's New Innovator Award to develop statistical machine learning approaches that enable more efficient evaluation of vaccine efficacy. PI: Alex Luedtke.
- \$15.9M over five years from the National Institute on Aging to characterize proteins in cerebrospinal fluid to improve our ability to diagnose and monitor the progression of Alzheimer's disease and related dementias. PI: Michael MacCoss
- \$1.9M for three years from the Department of Defense through the Peer Reviewed Medical Research Program to develop enabling technology platforms for targeted drug delivery to specific kidney cell subsets for treatment of chronic kidney disease. PI: Suzie Pun

## RESEARCH CENTERS

There are over 285 specialized research centers and institutes at the UW. There are over 20 National Institutes of Health Research Cores and Centers of Excellence, including the Institute for Translational Health Sciences, one of 60 NIH funded national Clinical and Translational Sciences Awards (CTSA). Examples of leading centers and institutes include:

- Barer Institute for Law and Global Human Services
- Barnard Center for Infant Mental Health and Development
- Cambia Palliative Care Center of Excellence
- Center for Advanced Materials in Transport Aircraft Structures
- Center for AIDS Research
- Center for an Informed Public
- Center for Anxiety and Trauma Stress (UWCATS)
- Center for Experimental Nuclear Physics and Astrophysics
- Center for Global Studies
- Center for Journalism, Media & Democracy (CJMD)
- Center for Law in Science and Global Health
- Center for Microbiome Sciences & Therapeutics (CMiST)
- Center for Statistics and the Social Sciences
- Center for Studies in Demography and Ecology
- Center for Urban Waters
- Clean Energy Institute
- Cooperative Institute for Climate, Ocean and Ecosystem Studies (CICOES)
- Diabetes Research Center
- eScience Institute
- Friday Harbor Laboratories
- Harborview Injury Prevention and Research Center
- Haring Center for Inclusive Education
- Indigenous Wellness Research Institute National Center of Excellence
- Institute for Nano-Engineered Systems (NanoES)
- Institute for Nuclear Theory
- Institute for Protein Design
- Institute for Stem Cell and Regenerative Medicine
- Institute of Translational Health Sciences
- Molecular Engineering and Sciences Institute
- Nathan Shock Center of Excellence in Basic Biology of Aging
- Pacific Northwest Seismic Network
- Pacific Northwest Transportation Consortium (PacTrans)
- Polar Science Center
- The Sports Institute at UW Medicine
- Urban@UW
- UW Center of Excellence in Neurobiology of Addiction, Pain, and Emotion (NAPE)
- UW Molecular Engineering Materials Center
- Walter Chapin Simpson Center for the Humanities
- West Coast Poverty Center

## SOURCES OF FUNDS



SOURCE: UW FY2020 FINANCIAL REPORT

## SOURCES OF UW RESEARCH AWARDS<sup>1</sup>

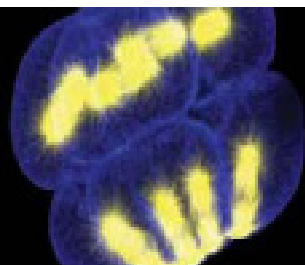
Federal	
Department of Agriculture	\$11,216,958
Department of Commerce	\$30,290,554
Department of Defense	\$119,344,068
Department of Education	\$25,631,525
Department of Energy	\$40,240,794
Department of Health and Human Services	\$784,263,767
Department of the Interior	\$9,602,495
Department of Transportation	\$5,473,579
Department of Veterans Affairs	\$8,665,248
Environmental Protection Agency	\$3,105,729
National Aeronautics And Space Administration	\$27,847,194
National Science Foundation	\$125,420,918
Other Federal	\$40,576,012
Non-Federal	
Associations and Non-Profits	\$87,405,693
Foundations	\$131,819,703
Industry	\$142,868,075
Institutes of Higher Learning	\$1,496,702
Local Government	\$5,158,274
Other Government	\$4,967,424
State of Washington	\$25,844,499
Total Grant and Contract Awards	\$1,631,239,212

## RESEARCH AWARDS BY SCHOOL AND COLLEGE<sup>2</sup>

Central Provost	\$31,890,042
College of Arts and Sciences	\$107,496,471
College of Built Environments	\$3,365,333
College of Education	\$30,461,466
College of Engineering	\$107,015,143
*Paul G. Allen School of Computer and Science Engineering	\$37,715,905
College of the Environment	\$124,093,927
CoMotion	\$378,500
Dean of Libraries	\$2,715,642
Evans School of Public Policy & Governance	\$9,507,077
Foster Business School	\$492,258
Graduate School	\$9,147,554
Health Sciences Administration	\$46,431,179
Office of Research	\$77,733,436
Office of the Provost	\$213,820
School of Dentistry	\$5,378,189
School of Law	\$552,956
School of Medicine	\$802,390,229
School of Nursing	\$20,364,054
School of Pharmacy	\$33,357,799
School of Public Health	\$134,315,433
School of Social Work	\$14,259,267
The Information School	\$7,276,775
Undergraduate Academic Affairs	\$464,285
University of Washington Finance and Administration	\$100,000
UW Bothell	\$5,917,505
UW Student Life	\$34,590
UW Tacoma	\$4,231,330
Vice President for Minority Affairs	\$13,939,039
Total Grant and Contract Awards	\$1,631,239,212

\*As a unit of the College of Engineering, Paul G. Allen School of Computer Science and Engineering results are included in Engineering totals and as such are not added separately to the Grand Total.

1, 2 Source: Enterprise Data Warehouse captured April 2021 for FY2020



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