

# FACTS FY 2019

The University of Washington is one of the world's preeminent public universities in impact and funding with \$1.58B in sponsored grants and contracts. Since 1972, we have received more federal research funding than any other U.S. public university, and since 1969 we have consistently placed among the top five for total sponsored research funding for all public and private universities in the country. 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 14th among the world's top universities. The National Taiwan University ranked the UW 7th overall internationally, and 1st for domestic public universities for the quality and impact of research endeavors. U.S. News ranked UW 10th among world universities in the "Best Global Universities Rankings."

## RESEARCH FUNDING

- \$1,579,075,843 in total sponsored grants and contracts
- \$1,223,989,241 in federal funding
- \$355,086,603 in non-federal funding
- 5,494 grants, including 207 grants over \$1M

## ECONOMIC AND EDUCATIONAL IMPACT OF RESEARCH

- In Academic Year 2017-2018, 6,053 unique students engaged in university-sponsored public service for 8,675 student-quarters, contributing 616,869 hours of service to local, regional, and global communities.
- In Academic Year 2017-2018, 9,045 unique students worked with guidance from UW faculty mentors for 13,714 student-quarters, spending approximately 1,584,236 hours devoted to research.
- In Academic Year 2017-2018, 2,938 unique students completed university-affiliated internships for 4,440 student-quarters, spending approximately 480,026 hours at internship sites.
- The number of unique students participating in UW-sponsored public service, research, and internships increased in 2017-2018 over the previous year by 7% (432 students), 7% (634 students), and 13% (377 students), respectively.
- Sponsored projects supported 5,600 full-time equivalent employees during FY19. Based on economic multipliers provided by the Washington State Higher Education Coordinating Board, UW research funding generated approximately 24,640 jobs statewide.
- In Academic Year 2017-2018, 3,260 graduate students were supported on research grants and contracts, including 261 NSF graduate fellows and 419 graduate students on training grants. In addition, 1,380 post-doctoral fellows were supported by UW grants and contracts.

## UW FACULTY HONORS

- American Academy of Arts and Sciences: 94 members
- American Association for the Advancement of Science: 189 fellows
- Gairdner International Awards: 11 recipients
- Albert Lasker Medical Research Awards: 6 recipients
- MacArthur Fellows: 17 recipients
- National Academy of Engineering: 30 members
- National Academy of Medicine: 64 members
- National Academy of Public Administration: 3 recipients
- National Academy of Sciences: 83 members
- National Medal of Science: 6 recipients
- The Shaw Prize: 2 recipients

## UW FACULTY NOBEL PRIZES

Since 1989, seven UW faculty members have won Nobel Prizes. Since 1990, five have won Nobel Prizes in medicine, more than any other institution during that time period.

- Hans Dehmelt, Professor Emeritus in Physics, 1989 Nobel Prize in Physics for research on immobilizing single subatomic particles
- E. Donnell 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

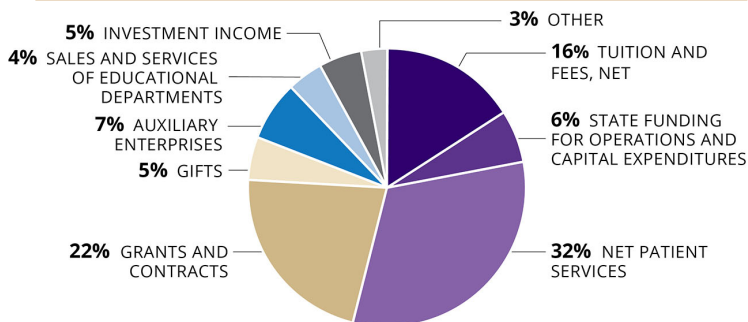
- \$12M for five years from the National Institute of Neurological Disorders and Stroke through the BRAIN Initiative to identify the neural circuits and patterns of neural activity that underlie the organization of information to enable rapid new learning. PI: Elizabeth Buffalo.
- \$1.34M for four years from NSF to measure and map the rates of nitrogen transformation in the Eastern North Pacific oxygen depletion zone using a new generation of robotic underwater floats and new high accuracy oxygen and nitrogen gas sensors. PI: Eric D'Asaro.
- \$16M for six years from NSF's Division of Materials Research, Materials Research Science and Engineering Center program to develop new electronic nanomaterials for future energy and information technologies. PI: Daniel R. Gamelin.
- \$1.5M for four years from the NIH's NIMH/BRAIN Initiative for a neuroethics project exploring experiences of agency for users of implantable brain-computer interfaces designed to provide movement, sensation, communication, and/or psychiatric treatment. PIs: Sara Goering and Eran Klein
- \$2.1M for three years from NSF's Plant Genome Research Program to discover and design regulatory elements in order to manipulate gene expression in agriculturally important crop plants. PI: Christine Queitsch

## RESEARCH CENTERS

There are over 281 specialized research centers at the UW. There are over 20 National Institutes of Health Research Cores and Centers of Excellence, including the Institute of Translational Health Sciences, one of 60 NIH funded national Clinical and Translational Sciences Awards (CTSA). Examples of leading centers 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 Anxiety and Trauma Stress (UWCATS)
- Center for Experimental Nuclear Physics and Astrophysics
- Center for Global Studies
- 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
- Diabetes Research Center
- eScience Institute
- Friday Harbor Laboratories
- Harborview Injury Prevention and Research Center
- 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
- Joint Institute for the Study of the Atmosphere and Ocean (JISAO)
- Molecular Engineering and Sciences Institute
- Nathan Shock Center of Excellence in the Basic Biology of Aging
- Haring Center for Inclusive Education
- Pacific Northwest Seismic Network
- Pacific Northwest Transportation Consortium (PacTrans)
- Polar Science Center
- The Sports Institute at UW Medicine
- UW Molecular Engineering Materials Center
- Urban@UW
- UW Center of Excellence in Neurobiology of Addiction, Pain, and Emotion (NAPE)
- Walter Chapin Simpson Center for the Humanities
- West Coast Poverty Center

## SOURCES OF FUNDS



SOURCE: UW 2019 FINANCIAL REPORT

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

Federal	
Department of Agriculture	\$5,707,183
Department of Commerce	\$43,259,926
Department of Defense	\$105,118,972
Department of Education	\$27,602,077
Department of Energy	\$48,192,615
Department of Health and Human Services	\$801,081,665
Department of the Interior	\$7,677,673
Department of Transportation	\$4,891,953
Department of Veterans Affairs	\$7,519,551
Environmental Protection Agency	\$1,960,800
National Aeronautics And Space Administration	\$23,919,135
National Science Foundation	\$133,390,066
Other Federal	\$13,667,624
Non-Federal	
Associations and Non-Profits	\$79,672,280
Foundations	\$149,031,436
Industry	\$86,603,699
Institutes of Higher Learning	\$3,812,775
Local Government	\$6,658,922
Other Government	\$4,317,161
State of Washington	\$24,990,3301
<b>Total Grant and Contract Awards</b>	<b>\$1,579,075,843</b>

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

College of Arts and Sciences	\$123,880,910
College of Built Environments	\$2,383,883
College of Education	\$23,698,653
College of Engineering	\$138,743,737
Paul G. Allen School of CSE*	\$38,742,509
College of the Environment	\$111,029,838
CoMotion	\$228,001
Dean of Libraries	\$10,082,243
Evans School of Public Policy & Governance	\$1,282,228
Foster Business School	\$475,714
Graduate School	\$12,315,070
Health Sciences Administration	\$39,749,085
Office of Research	\$63,345,863
Office of the Provost	\$112,367
School of Dentistry	\$5,349,911
School of Law	\$645,449
School of Medicine	\$795,249,403
School of Nursing	\$12,741,509
School of Pharmacy	\$20,464,098
School of Public Health	\$168,175,806
School of Social Work	\$17,274,356
The Information School	\$3,244,750
Undergraduate Academic Affairs	\$759,123
UW Bothell	\$7,707,567
UW Student Life	\$21,800
UW Tacoma	\$4,745,791
Vice President for Minority Affairs	\$15,368,668
<b>Total Grant and Contract Awards</b>	<b>\$1,579,075,843</b>

1, 2 SOURCE: OFFICE OF RESEARCH ANNUAL REPORT OF AWARDS AND EXPENDITURES, FY 2019

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

Gerberding Hall G80  
Box 351202  
Seattle, WA 98195-1202  
Tel: (206) 616-0804  
research@uw.edu  
www.uw.edu/research

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