

FACTS FY2016

The University of Washington is one of the world's preeminent public universities. The UW research funding profile has tripled over the last twenty years with grant and contract totals of an astounding \$1.367B for FY16 (up from \$1.309B in FY15). The University's track record of receiving federal research funding has enabled investments in targeted initiatives and research to stay globally competitive. We are one of the few universities in the U.S. with total research funding over \$1B. Rankings by the Institute of Higher Education at China's Shanghai Jiao Tong University place the UW at 15th among the world's top universities (a ranking held since 2007) and 13th nationally. The National Taiwan University ranked the UW sixth overall (fourth nationally) and first in public universities worldwide for the quality and impact of research endeavors, and Reuters ranked the UW the most innovative public university in the world! We are investing in our future by enabling research advances that maintain our impact and competitiveness. Our research funding continues to grow which is a testament to the quality of our students, faculty, and their research teams.

RESEARCH FUNDING

- \$1,367,401,604 total sponsored grants and contracts
- \$994,788,120 federal funding
- \$372,613,484 non-federal funding
- 5,052 grants, including 195 grants over \$1M

ECONOMIC AND EDUCATIONAL IMPACT

- \$12.5B in total economic impact generated by UW in the State of Washington, up from \$9.1B just five years ago.¹
- In FY16, UW launched 21 start-up companies based on UW research advances, bringing the 11-year total to 136 technology start-ups.
- In FY16, UW technologies generated over \$15M in licensing revenue.
- According to the most recent AUTM data (FY15), compared to other U.S. universities, UW was first in technologies licensed (642), first in commercialization agreements executed (337), fifth in total active licenses (1,332), and twelfth in technology startups (15).
- In academic year 2014-2015, 5,553 unique students engaged in university-sponsored public service for 9,035 student-quarters, contributing a total of 571,712 hours of public service to local, regional, and global communities.
- In academic year 2014-2015, 7,425 unique students worked under the close guidance of UW faculty mentors for 11,325 student-quarters, spending approximately 1,296,841 hours devoted to research.
- In academic year 2014-2015, 1,932 unique students completed university-sponsored internships for 3,022 student-quarters, spending approximately 341,624 hours at internship sites.
- Sponsored projects supported 5,708 full-time equivalent employees during FY16. Based on economic multipliers provided by the Washington State Higher Education Coordinating Board, UW research funding generated about 25,115 jobs statewide.
- In academic year 2016-2017, 2,866 graduate students were supported on research grants and contracts, including 202 NSF graduate fellows and 541 graduate students on training grants. In addition, 1,463 post-doctoral fellows were supported by UW grants and contracts. Graduate and undergraduate students contributed to 41% of the 652 patent applications that the UW filed.

UW FACULTY HONORS

- American Academy of Arts and Sciences: 91 members
- American Association for the Advancement of Science: 173 Fellows
- National Academy of Medicine: 62 members
- National Academy of Engineering: 31 members
- National Academy of Sciences: 80 members
- Gairdner International Awards: 10 recipients
- Albert Lasker Medical Research Awards: 6 recipients
- National Medal of Science: 6 recipients
- MacArthur Fellows: 15 recipients
- National Academy of Public Administration: 2 recipients
- Presidential Medal of Freedom: 1 recipient

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. 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

MAJOR RECENT GRANTS

- \$5.5M for five years for the WWAMI Practice Transformation Network from the Centers for Medicare and Medicaid Services to improve health outcomes and reduce hospitalization and unnecessary healthcare utilization. PI: David Flum.
- \$4.5M for five years from the NSF's National Nanotechnology Coordinated Infrastructure (NNCI) program to advance nanoscale science, engineering, and technology research in the Pacific Northwest and support a new network of user sites across the country. PI: Karl Böhringer.
- \$2.2M per year for five years from the National Institute of Diabetes and Digestive and Kidney Diseases for the University of Washington Center for Nuclear Organization and Function. PIs: Jay Shendure and William Noble.
- \$1.3M from NOAA to support ocean scientists and developers who are investigating new technologies and modeling techniques to improve tsunami monitoring and forecasts. PI: Diego Arcas.

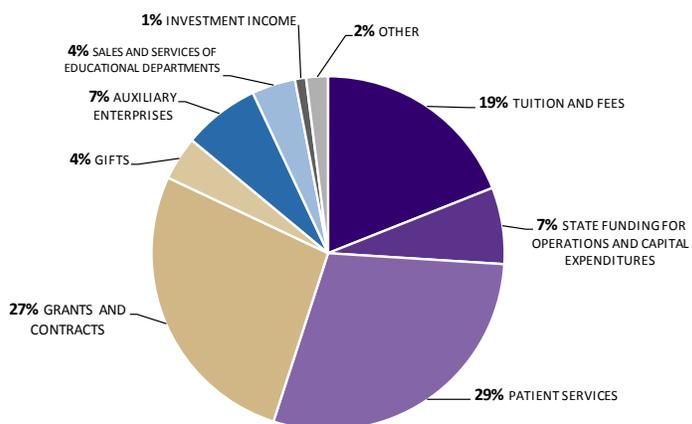
¹ SOURCE: 2014 ECONOMIC AND COMMUNITY IMPACT REPORT OF THE UNIVERSITY OF WASHINGTON, DECEMBER 2014

RESEARCH CENTERS

There are over 291 specialized research centers 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). Leading centers include:

- Barnard Center for Infant Mental Health and Development
- Center for Advanced Materials in Transport Aircraft Structures
- Center for AIDS Research
- Center for Enabling New Technologies through Catalysis
- Center for Experimental Nuclear Physics and Astrophysics
- Center for Information Assurance and Cybersecurity
- Center for Integrative Neuroscience
- Center for Intracellular Delivery of Biologics
- Center for Law in Science and Global Health
- Center for Sensorimotor Neural Engineering
- Centers for Comparative and Health Systems Effectiveness
- Cleary Community for 21st Century Youth Literacy
- Comparative Law and Societies Studies Center
- Diabetes and Obesity Center of Excellence
- Harborview Injury Prevention and Research Center
- Indigenous Wellness Research Institute
- Institute for Health Metrics and Evaluation
- Institute for Learning and Brain Sciences
- Institute for Nuclear Theory
- Institute for Stem Cell and Regenerative Medicine
- Joint Institute for the Study of the Atmosphere and Ocean (JISAO)
- Molecular Engineering and Sciences Institute
- Pacific Northwest Cooperative Ecosystems Study Center
- Pacific Northwest Udall Parkinson's Disease Center
- Pharmacogenomics Research Network
- Polar Science Center
- Resuscitation Outcomes Consortium
- UW Global Center for Integrated Health of Women, Adolescents, and Children
- Walter Chapin Simpson Center for the Humanities
- West Coast Poverty Center

SOURCES OF FUNDS



SOURCE: UW ANNUAL REPORT 2016

SOURCES OF UW RESEARCH AWARDS¹

Department of Agriculture	\$13,744,337
Department of Commerce	\$36,656,624
Department of Defense	\$86,372,475
Department of Education	\$22,974,671
Department of Energy	\$25,858,708
Department of Health and Human Services	\$633,368,904
Department of the Interior	\$5,776,332
Department of Transportation	\$2,516,096
Department of Veterans Affairs	\$6,756,133
Environmental Protection Agency	\$2,366,135
National Aeronautics and Space Administration	\$18,565,807
National Science Foundation	\$115,355,757
Other Federal	\$24,476,141
Associations and Non-Profits	\$87,960,230
Foundations	\$164,028,586
Industry	\$89,792,868
Local Government	\$2,848,167
Other Government	\$3,468,340
State of Washington	\$20,499,613
U.S. Institutes of Higher Learning	\$4,015,681
Total Grant and Contract Awards	\$1,367,401,604

RESEARCH AWARDS BY SCHOOL AND COLLEGE²

College of Arts and Sciences	\$97,944,705
College of Built Environments	\$1,217,970
College of Education	\$25,241,549
College of Engineering	\$101,188,194
College of the Environment	\$110,407,416
Dean of Libraries	\$9,562,520
Educational Outreach	\$149,995
Evans School of Public Policy & Governance	\$8,818,163
Foster School of Business	\$1,104,546
Graduate School	\$7,941,235
Health Sciences Administration	\$29,648,015
Office of Minority Affairs	\$8,479,780
Office of Research	\$54,700,836
Office of the Provost	\$86,811
School of Dentistry	\$4,196,993
School of Law	\$1,290,506
School of Medicine	\$703,501,063
School of Nursing	\$12,167,227
School of Pharmacy	\$18,088,492
School of Public Health	\$130,730,407
School of Social Work	\$14,047,633
The Information School	\$8,790,863
Undergraduate Academic Affairs	\$456,163
UW Bothell	\$14,220,511
UW Finance and Facilities	\$1,470,500
UW Student Life	\$74,499
UW Tacoma	\$2,845,511

1, 2 SOURCE: [UW ANNUAL REPORT OF AWARDS AND EXPENDITURES](#), FY 2016



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