

FACTS FY 2015



The UW is one of the greatest public universities in the world, both in reputation and competitiveness. We measure this by our impact on students, our state, and the world. Our grant awards for FY15 are an astounding \$1.3B. We have tripled our research funding over the last twenty years. Since 1979, with one exception (2009), the UW received more federal research funding than any other U.S. public university. Since 1969, we have placed among the top five for total funding for all public and private universities in the country. We are one of the few universities in the U.S. with total research funding over \$1B. We received \$1.037B in federal research funding in FY15, more than any other U.S. public university. 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 (formerly HEEACT) ranked the UW fifth 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!

RESEARCH FUNDING

- \$1,302,011,639 total sponsored grants and contracts
- \$1,037,822,460 federal funding
- \$264,189,179 non-federal funding
- 4,981 grants, including 181 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 FY15, UW launched 15 start-up companies based on UW research advances, bringing the 11-year total to 118 technology start-ups from UW.
- In FY15, UW technologies generated over \$24M in licensing revenue.
- According to the most recent AUTM data (FY14), compared to other U.S. universities, UW was first in technologies licensed (647), first in commercialization agreements executed (265), fifth in total active licenses (1,260), and seventh in technology startups (18).
- In academic year 2013-2014, 7,048 students worked with faculty mentors for 11,187 student-quarters (one student researching for one quarter = 1 student-quarter), spending ~1,257,052 hours devoted to research.
- In academic year 2013-2014, 6,659 students engaged in university-sponsored public service including service learning, public service internships, and volunteer work, for 9,035 student-quarters, contributing a total of 854,104 hours of public service.
- Sponsored projects supported 6,068 full-time equivalent employees during FY14. Based on economic multipliers provided by the Washington State Higher Education Coordinating Board, UW research funding generated about 26,699 jobs statewide.
- In academic year 2014-15, 2,881 graduate students were supported on research grants and contracts, including 202 NSF graduate fellows and 473 graduate students on training grants. In addition, 1,185 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: 87 members
- American Association for the Advancement of Science: 172 Fellows
- National Academy of Medicine: 61 members
- National Academy of Engineering: 30 members
- National Academy of Sciences: 79 members
- Gairdner International Awards: 10 recipients
- Albert Lasker Medical Research Awards: 6 recipients
- National Medal of Science: 5 recipients
- MacArthur Fellows: 15 recipients
- National Academy of Public Administration: 2 recipients
- Presidential Medal of Freedom: 1 recipient

UW FACULTY NOBEL PRIZES

Six UW faculty members have won Nobel Prizes since 1989. 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

MAJOR RECENT GRANTS

- \$6.3M over five years from the National Eye Institute for the investigation of two photoswitch compounds that could offer an approach to the treatment and reversal of outer retinal blindness. PI: Russell Van Gelder
- \$2.1M from NOAA for Vulnerability of inland waters and the aquatic carbon cycle to changing permafrost and climate across boreal northwestern North America. PI: David Butman
- \$1.5M for a 4-year grant from the Department of Energy "Rapid Development of Hybrid Perovskites and Novel Tandem Architectures for 30% PCE." PI: Hugh Hillhouse
- \$1.5M for a 4-year grant from the NSF Emerging Frontiers in Research and Innovation Program to study the electronic, photonic, and spintronic properties of novel two-dimensional materials related to graphene. A key focus is on determining and exploiting the consequences of the interplay between the electron spin and other quantum degrees of freedom. PI: David Cobden
- \$1.1M for the Arctic Autonomous Underwater Vehicle (AUV) Program to develop effective autonomous platforms and high-resolution sensors in ice-associated environments. PI: Calvin Moordy

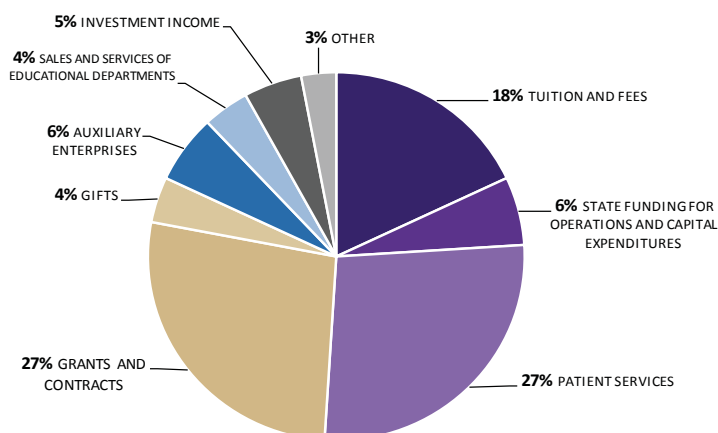
¹ SOURCE: 2014 ECONOMIC AND COMMUNITY IMPACT REPORT OF THE UNIVERSITY OF WASHINGTON, DECEMBER 2014

RESEARCH CENTERS

There are over 288 specialized research centers at the UW (an increase of 18 centers since 2007). 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:

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

SOURCES OF FUNDS



SOURCE: UW ANNUAL REPORT 2015

SOURCES OF UW RESEARCH AWARDS ¹

Department of Agriculture	\$16,780,050
Department of Commerce	\$26,165,213
Department of Defense	\$97,162,268
Department of Education	\$33,421,135
Department of Energy	\$34,499,873
Department of Health and Human Services	\$645,918,698
Department of the Interior	\$4,321,221
Department of Transportation	\$10,033,895
Department of Veterans Affairs	\$5,832,217
Environmental Protection Agency	\$4,204,864
National Aeronautics and Space Administration	\$18,346,012
National Science Foundation	\$125,426,189
Other Federal	\$15,710,824
Associations and Non-Profits	\$52,433,878
Foundations	\$103,994,673
Industry	\$88,940,997
Local Government	\$2,962,631
Other Government	\$2,691,732
State of Washington	\$9,873,706
U.S. Institutes of Higher Learning	\$3,291,561
Total Grant and Contract Awards	\$1,302,011,639

RESEARCH AWARDS BY SCHOOLS AND COLLEGES ²

CoMotion	\$ 2,117,099
College of Arts and Sciences	\$107,156,064
College of Built Environments	\$1,066,414
College of Education	\$33,191,268
College of Engineering	\$114,130,235
College of the Environment	\$128,659,425
Dean of Libraries	\$819,600
Evans School of Public Affairs	\$4,663,839
Foster School of Business	\$987,631
Graduate School	\$20,126,443
Health Sciences Administration	\$28,067,582
Office of Minority Affairs	\$8,395,065
Office of Research	\$44,033,162
School of Dentistry	\$5,037,858
School of Law	\$2,488,511
School of Medicine	\$634,866,288
School of Nursing	\$13,834,197
School of Pharmacy	\$19,267,336
School of Public Health	\$103,283,210
School of Social Work	\$14,301,679
The Information School	\$4,712,104
Undergraduate Academic Affairs	\$261,219
UW Bothell	\$4,127,423
UW Finance and Facilities	\$1,470,500
UW Information Technology	\$383,411
UW Student Life	\$24,531
UW Tacoma	\$4,604,545
Vice President for Development	\$25,000

1, 2 SOURCE: UW ANNUAL REPORT OF AWARDS AND EXPENDITURES, FY 2015

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