



UNIVERSITY OF WASHINGTON
WORLD LEADERS IN RESEARCH

FACTS FY2008

The University of Washington had another record-breaking year with sponsored research totals of \$1.037 Billion, reaffirming our position as a global research leader. As noted in our last report, the UW received more federal research funding than any other American public University, a ranking held since 1974. In the most recent Newsweek report, the UW is ranked among the world's top 25 universities.¹

RESEARCH FUNDING IN FISCAL YEAR 2008

- \$1,037,195,021 total sponsored grants and contracts
- \$277,665,831 non-federal funding
- \$759,529,190 federal funding
- 5,379 grants, including 132 grants over \$1 million each

UW FACULTY NOBEL PRIZES

Six UW faculty members have won Nobel Prizes since 1989. Five have won Nobel Prizes in medicine since 1990, more than any other institution during that time period.

- Hans Dehmelt, 1989 Nobel Prize in Physics for immobilizing single subatomic particles
Professor emeritus in Physics
- E. Donnall Thomas, 1990 Nobel Prize in Physiology or Medicine for research on bone marrow transplantation, done primarily at the Fred Hutchinson Cancer Research Center
Professor emeritus in the Department of Medicine
- Edwin Krebs and Edmond Fischer, 1992 Nobel Prize in Physiology or Medicine for discovery of reversible protein phosphorylation
Professors emeriti in the Departments of Biochemistry and Pharmacology
- Leland Hartwell, 2001 Nobel Prize in Physiology or Medicine for discoveries of key regulators of the cell cycle
Professor of Genome Sciences and Adjunct Professor of Medicine
- Linda Buck, 2004 Nobel Prize in Physiology or Medicine for discoveries of odorant receptors and the organization of the olfactory system
1975 B.S. in Microbiology and Psychology, University of Washington
Affiliate Professor of Physiology and Biophysics

OTHER UW FACULTY HONORS

- American Association for the Advancement of Science: 93 Fellows
- Institute of Medicine: 48 members
- National Academy of Engineering: 15 members
- Gairdner International Awards: Eight recipients
- Lasker Awards: Five recipients
- National Medal of Science: Five recipients
- MacArthur Fellows: Twelve recipients
- National Academy of Sciences: 60 members

MAJOR RECENT GRANTS

- \$12.8 million from the Bill and Melinda Gates Foundation for Pre-Exposure Prophylaxis for HIV prevention. PI: Connie L. Celum.
- \$10.1 million from the National Center for Research Resources to the University of Washington Institute of Translational Health Sciences whose goals are to transform the way clinical and translational research is conducted and to reduce the time a laboratory discovery can be made available to patients. PI: Mary L. Disis.
- \$4.1 million from the Gordon and Betty Moore Foundation to establish the International Program for Salmon Ecological Genetics for the study of Pacific salmon biodiversity. The program will gather genetic information on Pacific salmon populations and create databases of DNA sequences that will be available to interested researchers and laboratories from around the Pacific Rim. PIs: James and Lisa Seeb.
- \$3.4 million from the National Science Foundation for bioenergy research. This Integrative Graduate Education and Research Training award funds six to ten interdisciplinary doctoral students annually, and brings together program partners from the College of Engineering, College of Forest Resources, American Indian Studies Program, and several Northwest Native American communities. PI: Dan Schwartz.
- \$2 million from the National Institute of General Medical Sciences for the study of the basic biology of human embryonic stem cells, and the pathways human embryonic stem cells use to self-renew and become specific cell types. PI: Carl A. Blau.

ECONOMIC AND EDUCATIONAL IMPACT

- Externally sponsored programs supported 7,165 full-time equivalent employees at the UW during FY08. Based on economic multipliers provided by the Washington Higher Education Coordinating Board, UW research funding generated about 32,000 jobs statewide.
- 244 new companies have been based on UW research advances.
- UW technology licenses generated \$47 million in revenue during FY08.
- UW departments reported more than 4,500 undergraduates completed one quarter of intensive research closely guided by a faculty mentor during the academic year 2007-2008.
- More than 4,700 undergraduates participated in university-sponsored public service, including service learning, public service internships and volunteer work during the academic year 2007-2008.

¹ The Newsweek ranking was based in part on a 2006 report from China's Shanghai Jiao Tong University, which ranked the UW as 17th among universities worldwide.

RESEARCH CENTERS

There are over 270 specialized research centers at the UW, including one National Science Foundation Science and Technology Center — the Center on Materials and Devices for Information Technology Research — and over 20 National Institutes of Health research cores and Centers of Excellence, including a major program called the “Institute for Translational Health Sciences”, funded as one of 24 national NIH Clinical and Translational Sciences Award (CTSA). Leading centers include:

- Alzheimer’s Disease Research Center
- Autism Center
- Center for Advanced Study and Research on Intellectual Property (CASRIP)
- Center for AIDS Research
- Center for Cell Dynamics
- Center for Conservation Biology
- Center for Digital Arts and Experimental Media
- Center for Enabling New Technologies Through Catalysis (CENTC)
- Center for Nanotechnology
- Center for the Advancement of Health Disparities Research
- Center for Women’s Health Research
- Center on Human Development and Disability
- Diabetes and Obesity Center of Excellence
- Genomic Health Care and the Medically Underserved
- Global Health Resource Center
- Institute for Genetic Medicine
- Institute for Health Metrics and Evaluation (IHME)
- Institute for Stem Cell and Regenerative Medicine
- Institute for Translational Health Sciences
- Learning in Informal and Formal Environments (LIFE) Center
- Microscale Life Sciences Center
- Pacific Northwest Center for Human Health and Ocean Sciences
- The Water Center
- Transportation Northwest (TransNOW)
- Virginia Merrill Bloedel Hearing Research Center

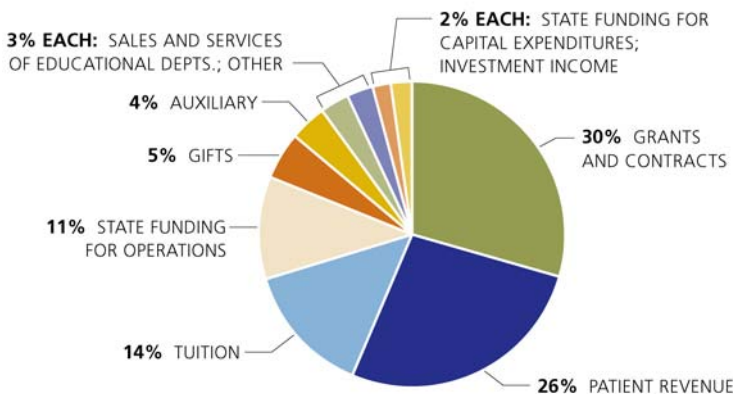
SOURCES OF CURRENT UW OPERATING FUNDS

FISCAL YEAR 2008

Total Operating Revenues — \$3.5 Billion

SOURCE: UW ANNUAL REPORT 2008

Sources of Funds



SOURCES OF UW RESEARCH AWARDS ²

FISCAL YEAR 2008

Total Awards — \$1.037 Billion

Dept. of Health and Human Services \$506,091,478

National Science Foundation \$80,999,822

Dept. of Defense \$44,022,228

Dept. of Education \$44,565,739

Dept. of Energy \$23,435,374

Other Federal \$60,414,549

Industry \$37,244,416

Foundations \$76,800,793

State of Washington \$35,456,591

Other Non Federal \$128,164,031

Total Grant and Contract Awards \$1,037,195,021

RESEARCH AWARDS BY SCHOOLS AND COLLEGES ³

FISCAL YEAR 2008

Arch. & Urban Planning	\$997,831
Arts & Sciences	\$90,964,275
Business School	\$740,458
Dentistry	\$12,390,820
Education	\$8,610,455
Engineering	\$74,381,191
Evans School of Public Affairs	\$4,288,966
Forest Resources	\$5,801,137
Graduate School	\$1,808,653
Health Sci. Spec. Programs	\$29,543,493
Information School	\$5,573,549
Law	\$409,734
Medicine	\$517,264,806
Nursing	\$16,085,771
Ocean & Fishery Sciences	\$100,243,746
Office of Research	\$18,633,875
Other Special Programs	\$36,216,185
Pharmacy	\$8,399,533
Public Health	\$85,885,491
Social Work	\$16,773,527
Undergraduate Education	\$363,372
UW Bothell and UW Tacoma	\$1,818,153

^{2, 3} SOURCE: UW ANNUAL REPORT OF AWARDS AND EXPENDITURES, FISCAL YEAR 2008

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