

# FACTS FY2011

150  
YEARS  
W

This year the University of Washington celebrated 150 years of academic excellence. We received \$1.513 billion in sponsored research funds, tripling our research funding over the last 20 years. We are one of the top ten universities in the world that are at or above \$1.5 billion! The most recent ranking by China's Shanghai Jiao Tong University ranked the UW 16<sup>th</sup> among the world's top universities. The Higher Education Evaluation & Accreditation Council of Taiwan (HEEACT), which measures the quality and impact of research endeavors, ranked the UW as the top public university in overall ranking worldwide. We are a world leader in funding, quality, and impact, and have a research community that embodies those values, and are dedicated to improving lives and solving society's most pressing issues. We look forward with excitement to what the next 150 years will bring.

## RESEARCH FUNDING IN FISCAL YEAR 2011

- \$1,512,610,221 total sponsored grants and contracts
- \$415.7 million non-federal funding
- \$1.097 billion federal funding
- 5,419 grants, including 107 grants over \$1 million each

## ECONOMIC AND EDUCATIONAL IMPACT

- 272 new start-up companies have been based on UW research advances.
- UW technology licenses generated over \$37 million in revenue during FY 2011.
- In 2010-11, 5,830 undergraduates participated in research with UW faculty for a total of 9,192 student-quarters of research (one student researching for one quarter = 1 student-quarter), and over a million hours devoted to undergraduate research.
- In 2010-11, 5,363 undergraduates participated in university-sponsored public service, including service learning, public service internships and volunteer work for a total of 7,732 student-quarters of public service, and a total of 523,019 hours devoted by students to public service.
- Externally sponsored programs supported 7,445 full-time equivalent employees at the UW during FY 2010. Based on economic multipliers provided by the Washington Higher Education Coordinating Board, UW research funding generated about 32,760 jobs statewide.

## OTHER UW FACULTY HONORS

- American Academy for Arts and Science: 66 members
- American Association for the Advancement of Science: 141 Fellows
- Institute of Medicine: 53 members
- National Academy of Engineering: 19 members
- Gairdner International Awards: 9 recipients
- Albert Lasker Medical Research Awards: 5 recipients
- National Medal of Science: 5 recipients
- MacArthur Fellows: 15 recipients
- National Academy of Sciences: 65 members
- National Academy of Public Administration: 2 members

## 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, *Professor emeritus in Physics*, 1989 Nobel Prize in Physics for research on immobilizing single subatomic particles
- E. Donnall Thomas, *Professor emeritus in the Department of 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 the Departments of 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, *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

- \$2M from the National ESCA & Surface Analysis Center for Biomedical Problems to develop and apply surface analysis technologies. PI: David G. Castner
- \$2M from the Paul G. Allen Family Foundations for research in Ethomics to study the genetic and neural basis of behavior to advance our understanding of how brains control locomotion and social interactions. PI: Michael Dickinson
- \$2.6M from the Bill and Melinda Gates Foundation to find and assess long-lasting learning of pre-algebra concepts in an interactive game world that adjusts to individual learners. PI: Zoran Popovic
- \$8M from the Administration for Children and Families for the National Center on Quality Teaching and Learning to identify, develop, and promote evidence-based teaching practices for Head Start programs. PI: Susan R. Sandall
- \$4M from the NIH to analyze hundreds of genomes of pathogenic *E. coli* in order to improve diagnostics, prophylaxis and treatment of common human infections. PI: Evgeni V. Sokurenko
- \$2M from the NSF Office of Emerging Frontiers in Research and Innovation for Science in Energy and Environmental Design: Toward zero-energy building based on energy-harvesting electrochromic windows. PI: Minoru Taya

## RESEARCH CENTERS

There are over 280 specialized research centers at the UW, including one National Science Foundation Science and Technology Center — the Center for Materials and Devices for Information Technology Research. There are over 26 National Institutes of Health research cores and Centers of Excellence, including a major program called the Institute for Translational Health Sciences, one of 46 funded national NIH Clinical and Translational Sciences Award (CTSA). Leading centers include:

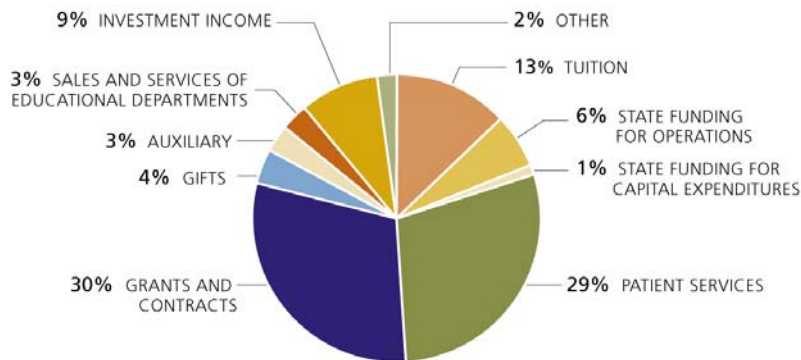
- Center for Integrative Neuroscience
- Center on Materials and Devices for Information Technology Research
- West Coast Poverty Center
- Center for Advanced Materials in Transport Aircraft Structures (AMTAS)
- Center for Nanotechnology
- Genetically Engineered Materials Science and Engineering Center (GEMSEC)
- Center for Information Assurance & Cybersecurity
- Center for Law in Science and Global Health
- Center for AIDS Research (CFAR)
- Institute for Stem Cell and Regenerative Medicine (ISCRM)
- Center for Intracellular Delivery of Biologics (CIDB)
- Institute for Health Metrics and Evaluation
- Pacific Northwest Center for Human Health and Ocean Studies
- Indigenous Wellness Research Institute
- Center for Local Strategies Research
- 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 (PANUC)
- Centers for Comparative and Health Systems Effectiveness
- Pharmacogenomics Research Network (PGRN)
- UW Global Center for Integrated Health of Women, Adolescents, and Children
- Center for Sensorimotor Neural Engineering

## SOURCES OF CURRENT UW OPERATING FUNDS

FISCAL YEAR 2011

Total Operating Revenues — \$4.6 billion

Sources of Funds\*



\*Includes Northwest Hospital

SOURCE: UW ANNUAL REPORT 2011

## SOURCES OF UW RESEARCH AWARDS FY 2011<sup>1</sup>

**Total Awards — \$1.513 Billion**

Dept. of Health and Human Services — \$701,236,217  
 National Science Foundation — \$90,613,693  
 Dept. of Defense — \$63,917,127  
 Dept. of Education — \$141,772,154  
 Dept. of Energy — \$28,389,334  
 Other Federal — \$70,986,382  
 Industry — \$56,317,983  
 Foundations — \$87,573,460  
 State of Washington — \$32,252,567  
 Other Non Federal — \$239,551,303  
 Total Grant and Contract Awards \$1,512,610,221

## RESEARCH AWARDS BY SCHOOLS AND COLLEGES<sup>2</sup>

FISCAL YEAR 2011

Arts & Sciences	\$90,922,111
Built Environments	\$3,380,510
Dentistry	\$8,787,218
Education	\$21,735,588
Engineering	\$105,757,806
Environment	\$121,246,573
Evans School of Public Affairs	\$1,828,438
Foster School of Business	\$1,344,092
Graduate School	\$4,159,918
Health Sci. Spec. Programs	\$21,785,355
Information School	\$2,237,074
Law	\$2,548,512
Medicine	\$715,088,870
Nursing	\$17,768,736
Office of Research	\$60,745,792
Other Special Programs	\$131,720,213
Pharmacy	\$15,065,565
Public Health	\$152,457,580
Social Work	\$21,210,274
Undergraduate Education	\$1,584,769
UW Bothell and UW Tacoma	\$11,219,828

<sup>1,2</sup> SOURCE: UW ANNUAL REPORT OF AWARDS AND EXPENDITURES, FY 2011

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