

VII. STANDING COMMITTEES

B. Finance, Audit and Facilities Committee

Grant and Contract Awards – January, 2007

RECOMMENDED ACTION:

It is the recommendation of the administration and the Finance and Audit Committee that the Board of Regents accept the Grant and Contract Awards as presented on the attached list.

Attachment: Grant and Contract Awards Summary
Report of Grant and Contract Awards of
\$1,000,000 or More

Grant and Contract Awards Summary

to

The Board of Regents

of the

University of Washington

for

January 2007

Office of Research

Office of Sponsored Programs

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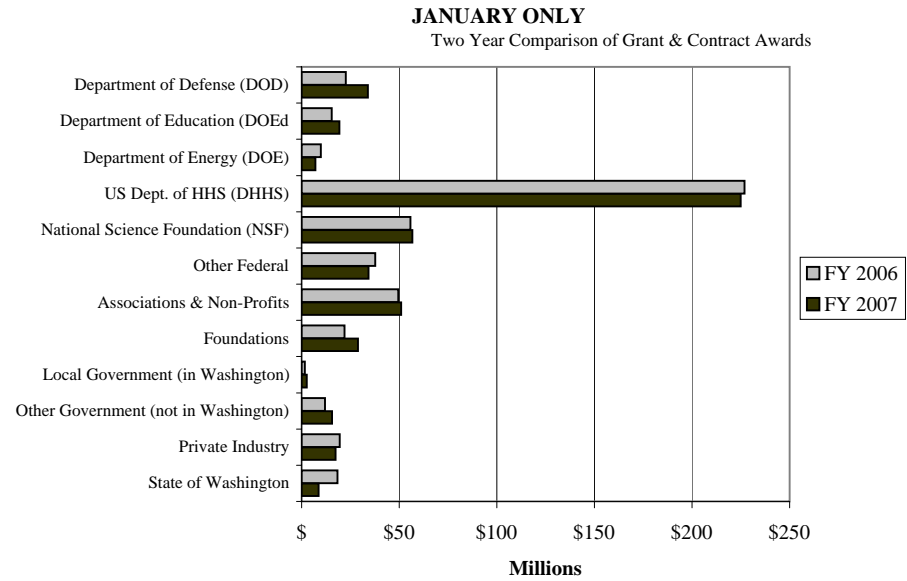
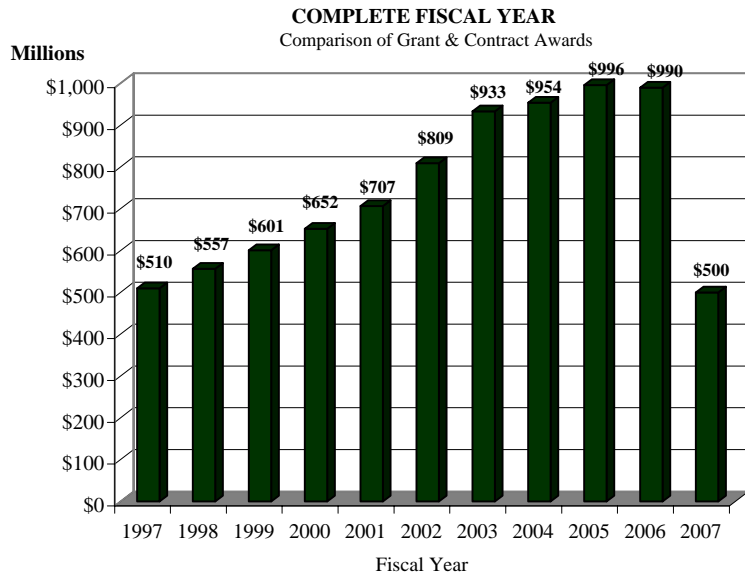
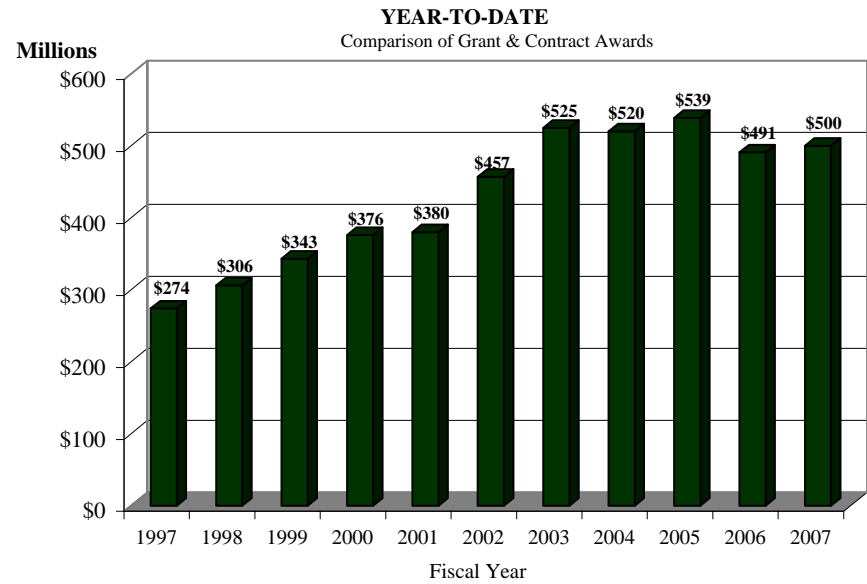
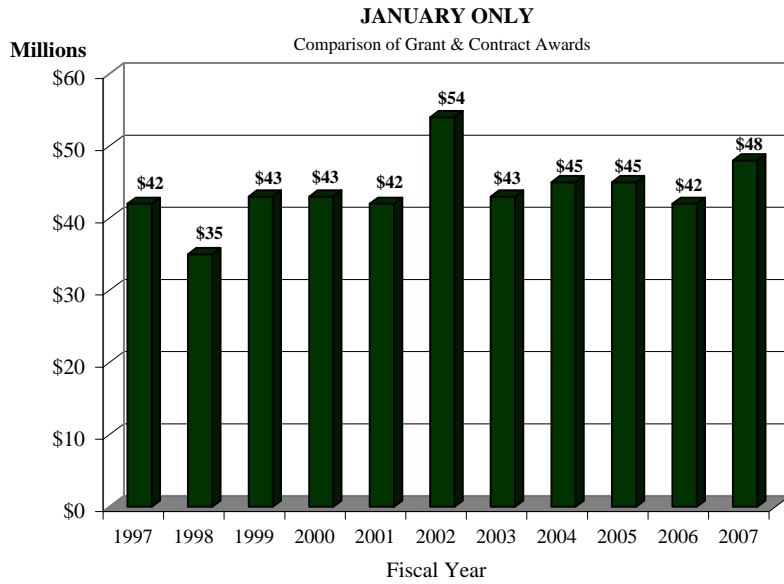
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JANUARY 2006 HIGHLIGHTS

The *National Science Foundation (NSF)* awarded a grant in the amount of \$400,000 for a project under the direction of *Assistant Professor Xiaohu Gao* of the Department of Bioengineering entitled “CAREER: Novel Nanotechnology for Multiplexed Analysis of Genes and Proteins with PCR-like Sensitivity.” Despite intense research efforts in bio-analytical sciences and bioengineering, current technologies do not have sufficient sensitivity or multiplexing capability to detect disease biomarkers on a single copy level which is critical for early diagnosis and effective treatment of diseases such as cancer. This is particularly problematic when the targeted molecules are proteins since they cannot be amplified by polymerase chain reaction (PCR). The goal of this project is to develop enabling technologies that can simultaneously analyze a large number of disease biomarkers (including both genes and proteins) with PCR-like sensitivity. The project is expected to result not only in a new technology for cancer molecular diagnostics, prognostics and therapeutics, but also open new opportunities in drug discovery, forensics and bio-warfare.

The *Massachusetts Institute of Technology (MIT)* awarded a subcontract in the amount of \$248,307 for a project under the direction of *Professor and Chair Thomas Daniel* of the Department of Biology entitled “Cyborg Moths: Melding Micro-electromechanical Systems with Neurons for Motion Control in Freely Flying Insects.” This project proposes to develop, in collaboration with the University of Arizona and MIT, a technology that melds micro-electrical mechanical systems with neural systems to understand how movement is controlled in biological systems and, in turn, to develop neural stimulation paradigms to control that movement. The combined efforts of the team are expected to result in the first guided live insect. Furthermore, the research will also result in new technologies that will impact military interventions, robotic devices and design, and the development of neuro-prosthetic systems.

The *Lance Armstrong Foundation* awarded a grant in the amount of \$165,000 for a project under the direction of *Professor Anthony Back* of the Department of Medicine, Division of Oncology, entitled “Patient and Family Assessment of Physician Communication.” Physician communication skills are fundamental to providing high quality cancer care. However, to date no studies have examined whether the changes in communication behaviors encouraged by educators and noticed by expert coders are noticed or valued by patients and family members. The proposed study is designed to answer two critical questions. First, do patients and family members detect improvements in physician communication skills resulting from educational interventions? Second, which physician communication behaviors are most valued by patients and family members? This project will result in a new methodology for evaluating communication skills interventions that will be relevant to all aspects of cancer survivorship.



Summary of Grant and Contract Awards**Fiscal Year 2006-2007**

Month	RESEARCH AND OTHER		TRAINING		Total Grants and Contracts
	Federal	Non-Federal	Federal	Non-Federal	
July	\$ 47,163,420	\$ 10,699,020	\$ 6,191,659	\$ 693,994	\$ 64,748,090
August	\$ 117,139,800	\$ 11,808,260	\$ 6,156,148	\$ 443,216	\$ 135,547,500
September	\$ 64,660,620	\$ 23,947,570	\$ 4,289,084	\$ 905,277	\$ 93,802,540
October	\$ 53,216,540	\$ 17,106,880	\$ 11,166,060	\$ 1,883,808	\$ 83,373,280
November	\$ 20,631,830	\$ 21,414,790	\$ 375,521	\$ 651,926	\$ 43,074,070
December	\$ 16,091,400	\$ 14,941,460	\$ 604,006	\$ 165,262	\$ 31,802,140
January	\$ 27,306,600	\$ 19,271,660	\$ 1,255,173	\$ 197,667	\$ 48,031,100
FY07 to Date	\$346,210,248	\$119,189,638	\$30,037,654	\$4,941,150	\$500,378,690
FY06 to Date	\$335,281,943	\$111,800,649	\$32,737,323	\$11,146,238	\$490,966,153
Over (Under) Previous Year	\$10,928,305	\$7,388,989	(\$2,699,669)	(\$6,205,088)	\$9,412,537

Assuming acceptance of all awards by the Board of Regents

Comparison of Grant and Contract Awards by Agency**Fiscal Years 2005-2006 and 2006-2007**

Agency	Jul-Jan FY06	Jul-Jan FY07
US Department of Defense (DOD)	\$ 22,554,164	\$ 33,898,081
US Department of Education (DOEd)	\$ 15,387,626	\$ 19,386,788
US Department of Energy (DOE)	\$ 9,799,613	\$ 7,068,364
US Department of Health and Human Services (DHHS)	\$ 226,824,821	\$ 224,954,469
National Science Foundation (NSF)	\$ 55,725,356	\$ 56,732,662
Other Federal	\$ 37,727,686	\$ 34,207,538
Subtotal for Federal :	\$ 368,019,266	\$ 376,247,902
Associations and Non-Profits	\$ 49,526,495	\$ 50,951,889
Foundations	\$ 21,958,491	\$ 28,912,507
Local Government (in Washington)	\$ 1,636,105	\$ 2,656,107
Other Government (not in Washington)	\$ 11,910,680	\$ 15,530,715
Private Industry	\$ 19,486,223	\$ 17,372,349
State of Washington	\$ 18,428,893	\$ 8,707,222
Subtotal for Non-Federal :	\$ 122,946,887	\$ 124,130,787
Grand Total :	\$ 490,966,153	\$ 500,378,690

Amount of Increase (Decrease) : \$ 9,412,537**Percent of Increase (Decrease) : 1.9 %***Assuming acceptance of all awards by the Board of Regents*

Comparison of Grant and Contract Awards by School/College

Fiscal Years 2005-2006 and 2006-2007

School/College		Jul-Jan FY06	Jul-Jan FY07
Upper Campus			
	Architecture and Urban Planning	\$ 3,893,233	\$ 790,491
	Arts and Sciences	\$ 39,238,299	\$ 48,431,482
	Business Administration	\$ 234,102	\$ 58,147
	Director of Libraries	\$ 405,685	\$ 6,965
	Education	\$ 9,243,363	\$ 6,856,507
	Educational Outreach	\$ 301,957	\$ 386,028
	Engineering	\$ 49,767,204	\$ 47,872,108
	Evans School of Public Affairs	\$ 2,548,031	\$ 3,153,563
	Executive Vice President	\$ 746,160	
	Forest Resources	\$ 5,547,777	\$ 3,225,786
	Graduate School	\$ 4,584,447	\$ 2,155,297
	Information School	\$ 1,071,355	\$ 1,651,802
	Law	\$ 258,994	\$ 114,750
	Ocean and Fishery Sciences	\$ 45,134,823	\$ 50,489,200
	Office of Research	\$ 16,741,016	\$ 18,803,670
	Social Work	\$ 6,509,774	\$ 6,535,578
	Undergraduate Education	\$ 117,665	\$ 1,250,161
	VP Educational Partnerships	\$ 80,853	\$ 131,347
	VP Minority Affairs	\$ 6,861,608	\$ 4,794,764
	VP Student Life	\$ 5,500	
	Subtotal :	\$ 193,291,846	\$ 196,707,646
Health Sciences			
	Dentistry	\$ 5,622,495	\$ 3,097,746
	Health Sciences Admin	\$ 12,160,771	\$ 14,376,836
	Medical Centers	\$ 58,934	\$ 1,000
	Medicine	\$ 220,178,956	\$ 232,389,107
	Nursing	\$ 8,425,864	\$ 7,554,955
	Pharmacy	\$ 4,719,027	\$ 6,317,006
	Public Health and Community Medicine	\$ 44,518,795	\$ 39,021,274
	Subtotal :	\$ 295,684,841	\$ 302,757,924
Special Programs			
	Subtotal :		
Other UW Campuses			
	Bothell	\$ 1,421,636	\$ 680,323
	Tacoma	\$ 567,829	\$ 232,796
	Subtotal :	\$ 1,989,465	\$ 913,119
	Grand Total :	\$ 490,966,153	\$ 500,378,690

List of Awards for Arts and Sciences

Fiscal Years 2005-2006 and 2006-2007

Department	Jul-Jan FY06	Jul-Jan FY07
Center for Statistics and the Social Sciences	\$ 495,420	\$ 809,139
Center for Studies in Demography and Ecology	\$ 2,095,156	\$ 1,248,780
Department of Anthropology	\$ 81,037	\$ 139,029
Department of Applied Mathematics	\$ 981,664	\$ 1,726,247
Department of Asian Languages and Literature	\$ 140,000	\$0
Department of Astronomy	\$ 1,157,000	\$ 1,945,832
Department of Atmospheric Sciences	\$ 3,603,022	\$ 4,008,354
Department of Biology	\$ 5,062,903	\$ 6,780,365
Department of Chemistry	\$ 6,871,090	\$ 10,259,740
Department of Classics	\$ 30,000	\$0
Department of Communication	\$ 1,124,550	\$ 1,541,100
Department of Comparative Literature	\$0	\$ 21,178
Department of Earth and Space Sciences	\$ 2,939,554	\$ 2,590,877
Department of Economics	\$ 7,250	\$ 24,800
Department of English	\$0	\$ 5,000
Department of Geography	\$0	\$ 180,909
Department of Germanics	\$ 36,000	\$ 45,000
Department of History	\$ 354,000	\$ 70,694
Department of Mathematics	\$ 764,804	\$ 747,125
Department of Near Eastern Languages and Civilization	\$ 17,500	\$0
Department of Physics	\$ 2,446,047	\$ 3,692,958
Department of Political Science	\$ 151,107	\$ 558,733
Department of Psychology	\$ 5,384,669	\$ 6,681,170
Department of Romance Languages	\$0	\$ 6,000
Department of Sociology	\$ 360,788	\$ 77,244
Department of Speech and Hearing Sciences	\$ 548,149	\$ 677,086
Department of Statistics	\$ 774,930	\$ 592,808
Department of Women Studies	\$0	\$ 23,592
Henry M. Jackson School of International Studies	\$ 1,160,204	\$ 2,788,179
Institute for Nuclear Theory	\$ 2,373,000	\$ 185,000
Language Learning Center	\$ 20,274	\$ 20,000
Law, Societies and Justice Program	\$ 53,571	\$ 90,017
Public Performing Arts	\$ 76,400	\$ 81,565
School of Art	\$0	\$ 48,000
School of Music	\$0	\$ 300,000
Thomas Burke Memorial Washington State Museum	\$ 128,210	\$ 464,958
Total :	\$ 39,238,300	\$ 48,431,480

Summary of Grant Awards**Fiscal Year 2006-2007***Excluding private awards from Foundations, Industry, Associations and Others*

Month	RESEARCH AND OTHER		TRAINING		Total Grants
	Federal	Non-Federal	Federal	Non-Federal	
July	\$ 46,551,120	\$ 3,501,075	\$ 6,191,659	\$ 116,675	\$ 56,360,530
August	\$ 115,153,700	\$ 1,805,011	\$ 6,156,148	\$ 0	\$ 123,114,900
September	\$ 59,774,620	\$ 835,114	\$ 4,289,084	\$ 170,000	\$ 65,068,820
October	\$ 44,817,340	\$ 2,573,647	\$ 11,142,060	\$ 23,528	\$ 58,556,580
November	\$ 13,934,800	\$ 2,200,982	\$ 375,521	\$ 192,752	\$ 16,704,050
December	\$ 11,488,120	\$ 1,484,791	\$ 604,006	\$ 74,000	\$ 13,650,920
January	\$ 21,275,320	\$ 3,189,305	\$ 1,255,173	\$ 21,729	\$ 25,741,520
Year to Date	\$ 312,995,100	\$ 15,589,920	\$ 30,013,650	\$ 598,684	\$ 359,197,300

Assuming acceptance of all awards by the Board of Regents

Summary of Grant Awards**Fiscal Year 2006-2007***Private awards from Foundations, Industry, Associations and Others*

Month	RESEARCH AND OTHER	TRAINING	Total Grants
July	\$ 4,734,940	\$ 61,206	\$ 4,796,146
August	\$ 7,107,670	\$ 184,174	\$ 7,291,844
September	\$ 20,026,620	\$ 266,485	\$ 20,293,100
October	\$ 9,431,585	\$ 123,297	\$ 9,554,882
November	\$ 13,835,920	\$ 187,000	\$ 14,022,920
December	\$ 8,771,720	\$ 5,000	\$ 8,776,720
January	\$ 10,851,760	\$ 77,548	\$ 10,929,300
Year to Date	\$ 74,760,210	\$ 904,710	\$ 75,664,920

Assuming acceptance of all awards by the Board of Regents

Summary of Contract Awards

Fiscal Year 2006-2007

Month	RESEARCH AND OTHER		TRAINING		Total Contracts
	Federal	Non-Federal	Federal	Non-Federal	
July	\$ 612,297	\$ 2,463,009	\$ 0	\$ 516,113	\$ 3,591,419
August	\$ 1,986,095	\$ 2,895,583	\$ 0	\$ 259,042	\$ 5,140,720
September	\$ 4,885,993	\$ 3,085,836	\$ 0	\$ 468,792	\$ 8,440,621
October	\$ 8,399,199	\$ 5,101,643	\$ 24,000	\$ 1,736,983	\$ 15,261,830
November	\$ 6,697,038	\$ 5,377,880	\$ 0	\$ 272,174	\$ 12,347,090
December	\$ 4,603,284	\$ 4,684,952	\$ 0	\$ 86,262	\$ 9,374,498
January	\$ 6,031,284	\$ 5,230,600	\$ 0	\$ 98,390	\$ 11,360,270
Year to Date	\$ 33,215,190	\$ 28,839,500	\$ 24,000	\$ 3,437,756	\$ 65,516,450

Assuming acceptance of all awards by the Board of Regents

**Report of Grant and Contract Awards
of \$1,000,000 or More**

January 2007

**Requiring action of
The Board of Regents
of the
University of Washington**

**Office of Research
Office of Sponsored Programs**

Detail of Public Grant Awards

Federal

US Department of Defense (DOD)

Defense Advanced Research Projects Agency (DARPA)

To: David Baker, Professor \$ 4,228,335
 Department of Biochemistry

For: {GC-1 #A10982, 2nd Revision} New Technology for the Inside-Out
 Design of Novel Enzyme Catalysts

Eff: 7/1/2005

Total for Defense Advanced Research Projects Agency (DARPA): \$ 4,228,335

Total for US Department of Defense (DOD): \$ 4,228,335

US Department of Education (DOEd)

US Department of Education (DOEd)

To: Charles H. Bombardier, Professor \$ 1,299,757
 Department of Rehabilitation Medicine

For: Controlled trial of venlafaxine XR for depression after SCI: a multi-
 site study

Eff: 12/1/2006

Total for US Department of Education (DOEd): \$ 1,299,757

Total for US Department of Education (DOEd): \$ 1,299,757

Total for Federal: \$ 5,528,092

Total Public Grants: \$ 5,528,092

Detail of Private Grant Awards

Foundations

Dart Foundation

To: Bruce A Shapiro, Director \$ 1,340,000
Department of Communication

For: Dart Center for Journalism and Trauma

Eff: 1/1/2000

Total for Dart Foundation: \$ 1,340,000

Total for Foundations: \$ 1,340,000

Total Private Grants: \$ 1,340,000

Detail of Contract Awards

Federal

US Department of Defense (DOD)

Office of Naval Research (ONR)

To: Frederick W Karig, Apl-principal Engineer \$ 1,000,000
 Applied Physics Laboratory
 For: 2007 ARTIC ICE CAMP
 Eff: 9/21/2006

Total for Office of Naval Research (ONR): \$ 1,000,000

Total for US Department of Defense (DOD): \$ 1,000,000

US Department of Health and Human Services (DHHS)

National Institutes of Health (NIH)

National Institute of Child Health and Human Development (NICHD)

To: C Ronald Scott, Professor \$ 1,699,395
 Department of Pediatrics
 For: Validation of Lysosomal Storage Disease Enzymes for Newborn
 Screening
 Eff: 1/1/2007

Total for National Institute of Child Health and Human Development (NICHD): \$ 1,699,395

Total for National Institutes of Health (NIH): \$ 1,699,395

Total for US Department of Health and Human Services (DHHS): \$ 1,699,395

Total for Federal: \$ 2,699,395

Other Government (not in Washington)

Pennsylvania State University

To: Robert T Miyamoto, Associate Director \$ 1,122,858
 Applied Physics Laboratory
 For: Persistent Littoral Underwater Surveillance
 Eff: 5/6/2005

Total for Pennsylvania State University: \$ 1,122,858

Total for Other Government (not in Washington): \$ 1,122,858

Total Contracts: \$ 3,822,253

Grand Total for all Awards \$ 10,690,345