

VII. STANDING COMMITTEES

B. Finance, Audit and Facilities Committee

Grant and Contract Awards – G&cmo, 2006

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

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# **Grant and Contract Awards Summary**

**to**

**The Board of Regents**

**of the**

**University of Washington**

**for**

**November 2006**

**Office of Research**

**Office of Sponsored Programs**

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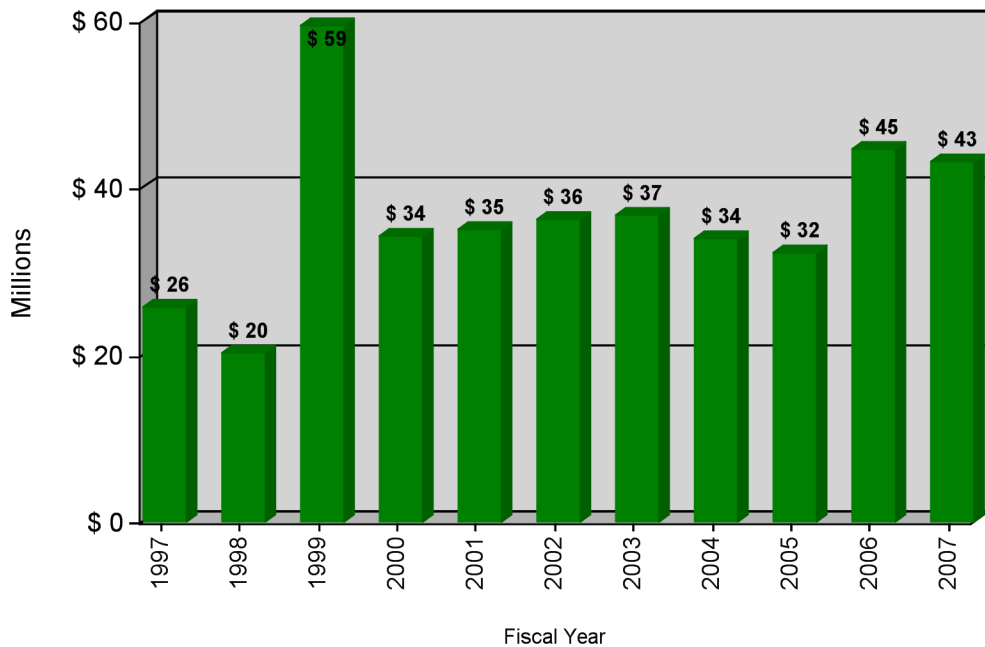
## NOVEMBER 2006 HIGHLIGHTS

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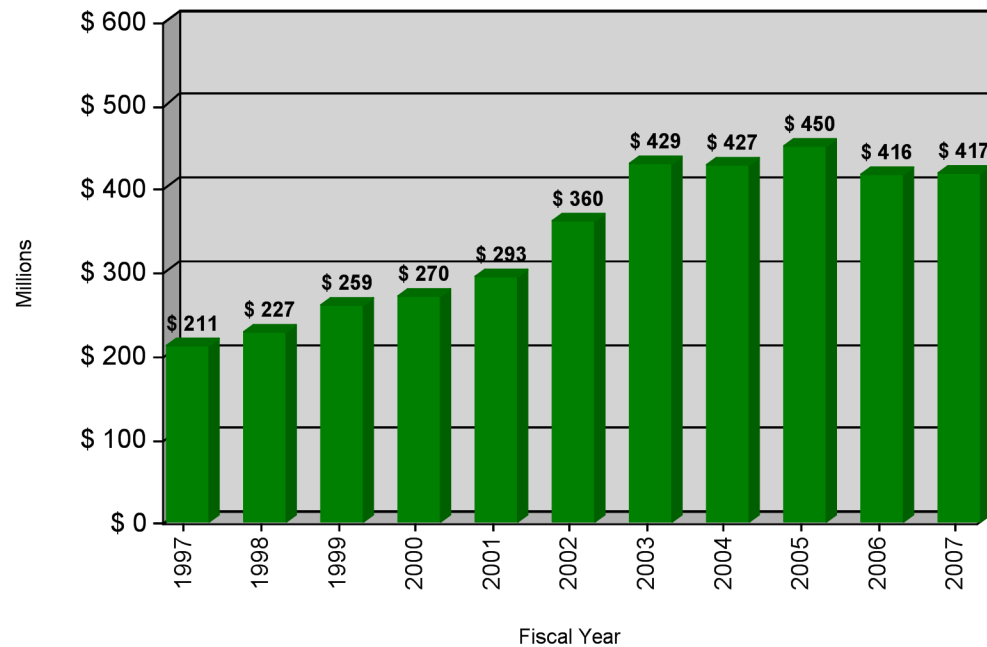
The National Institutes of Health awarded a grant in the amount of \$2,057,267 for a project under the direction of Buddy Ratner, Professor and Director of University of Washington Engineered Biomaterials (UWEB), entitled “Engineered Cardiac Morphogenesis-Stem Cells and Scaffolds.” The purpose of the project is the development of a living myocardial patch that would function as an integrated pump to assist heart contraction. Over 50,000 people die while awaiting a heart transplant each year due to the lack of donor organs. Using a degradable polymer matrix as a scaffold for a progenitor myocardial or stem cells, we envision the formation of an engineered new myocardium that would function as normal tissue to improve heart function. Furthermore, the project hopes to advance the technology to involve embryonic stem cells. Embryonic stem cells are capable of generating any organ in the body. The intent is to decipher the signal necessary to direct the formation from embryonic stem cells of new heart issue -- and, someday, a heart.

The Gordon and Betty Moore Foundation awarded a grant in the amount of \$2,250,000 for a project under the direction of Mary Lidstrom, Vice Provost for Research and Professor of Chemical Engineering, entitled “Center for Environmental Genomics.” The overarching goal of the proposed Center for Environmental Genomics is to understand how marine microbes shape, and are shaped by, our contemporary world. This goal will be accomplished through the establishment of a Center that co-localizes within the Research & Technology building technologists and scientists dedicated to the development of 1) new ways of combining environmental data with the ever-increasing amounts of genomic data, 2) new ways of understanding the behavior of single cells that can then be extrapolated to population structure, 3) new ways of visualizing environmental and genomic data to extract patterns, and 4) new ways of understanding genetic diversity and structure in marine ecosystems. Features of the Center will include: a new flow cytometry/cell sorting facility that will further enhance the single cell analysis capabilities already present within R&T; a class 10,000 clean room to allow microfabrication of chip-based devices for single cell analysis and for in situ environmental analysis; a new 32-node computer cluster dedicated to processing environmental genomics data; and an OptIPuter visualization “wall” that will allow new ways of visualizing large data sets.

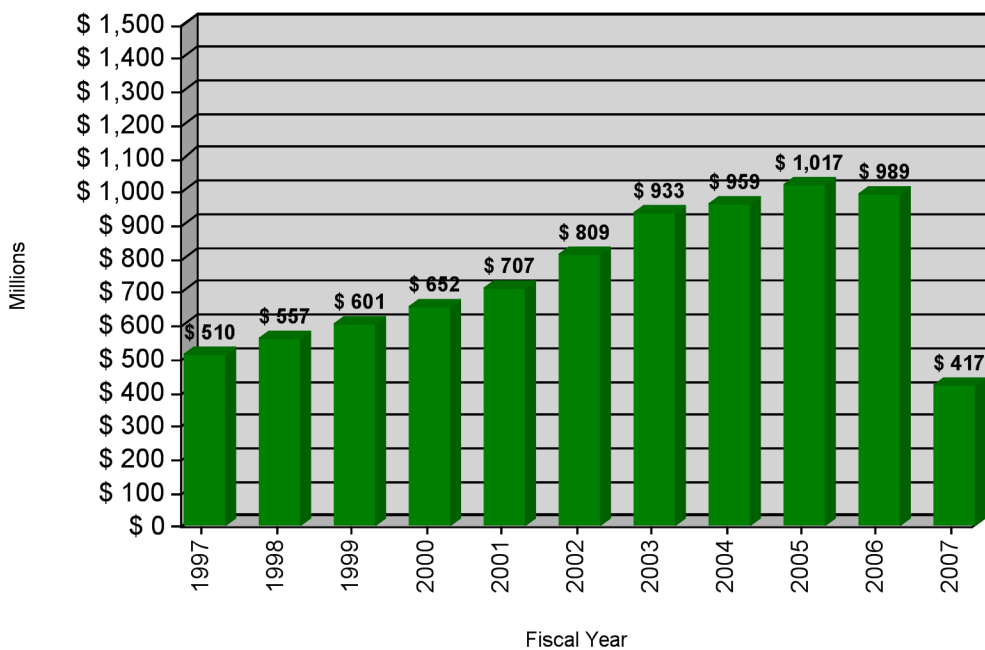
**November Only**  
**Comparison of Grant & Contract Awards**



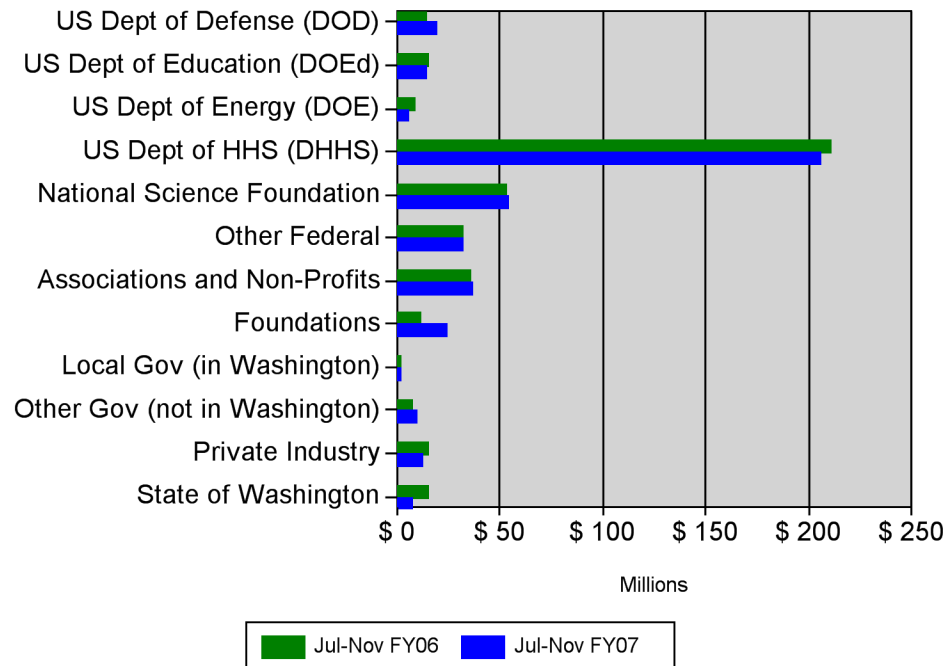
**Fiscal Year to Date**  
**Comparison of Grant & Contract Awards**



**Complete Fiscal Year**  
**Comparison of Grant & Contract Awards**



**Fiscal Year to Date**  
**Two-Year Comparison of Grant and Contract Awards**



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

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<b>Month</b>	<b>RESEARCH AND OTHER</b>		<b>TRAINING</b>		<b>Total Grants and Contracts</b>
	<b>Federal</b>	<b>Non-Federal</b>	<b>Federal</b>	<b>Non-Federal</b>	
July	\$ 47,163,420	\$ 10,699,020	\$ 6,191,659	\$ 693,994	\$ 64,748,090
August	\$ 113,882,100	\$ 11,808,260	\$ 6,156,148	\$ 443,216	\$ 132,289,800
September	\$ 64,660,620	\$ 23,947,570	\$ 4,289,084	\$ 905,277	\$ 93,802,540
October	\$ 53,216,540	\$ 17,021,630	\$ 11,166,060	\$ 1,883,808	\$ 83,288,030
November	\$ 20,631,830	\$ 21,434,790	\$ 375,521	\$ 651,926	\$ 43,094,070
<b>FY07 to Date</b>	<b>\$299,554,542</b>	<b>\$84,911,264</b>	<b>\$28,178,475</b>	<b>\$4,578,221</b>	<b>\$417,222,501</b>
<b>FY06 to Date</b>	<b>\$298,827,687</b>	<b>\$75,602,120</b>	<b>\$32,663,323</b>	<b>\$8,683,705</b>	<b>\$415,776,835</b>
<b>Over (Under) Previous Year</b>	<b>\$726,855</b>	<b>\$9,309,144</b>	<b>(\$4,484,848)</b>	<b>(\$4,105,484)</b>	<b>\$1,445,666</b>

*Assuming acceptance of all awards by the Board of Regents*

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**Comparison of Grant and Contract Awards by Agency**

**Fiscal Years 2005-2006 and 2006-2007**

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<b>Agency</b>	<b>Jul-Nov FY06</b>	<b>Jul-Nov FY07</b>
US Department of Defense (DOD)	\$ 14,058,828	\$ 18,916,044
US Department of Education (DOEd)	\$ 15,387,626	\$ 13,726,953
US Department of Energy (DOE)	\$ 7,808,077	\$ 5,246,175
US Department of Health and Human Services (DHHS)	\$ 209,992,534	\$ 205,006,183
National Science Foundation (NSF)	\$ 52,361,841	\$ 53,774,330
Other Federal	\$ 31,882,104	\$ 31,063,331
<b>Subtotal for Federal :</b>	<b>\$ 331,491,010</b>	<b>\$ 327,733,017</b>
Associations and Non-Profits	\$ 34,884,927	\$ 36,354,562
Foundations	\$ 11,266,718	\$ 23,946,885
Local Government (in Washington)	\$ 1,315,535	\$ 1,236,314
Other Government (not in Washington)	\$ 7,520,058	\$ 8,900,804
Private Industry	\$ 14,809,373	\$ 11,647,041
State of Washington	\$ 14,489,215	\$ 7,403,880
<b>Subtotal for Non-Federal :</b>	<b>\$ 84,285,825</b>	<b>\$ 89,489,485</b>
<b>Grand Total :</b>	<b>\$ 415,776,835</b>	<b>\$ 417,222,501</b>

**Amount of Increase (Decrease) : \$ 1,445,666**

**Percent of Increase (Decrease) : 0.3 %**

*Assuming acceptance of all awards by the Board of Regents*

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**Comparison of Grant and Contract Awards by School/College**Fiscal Years 2005-2006 and 2006-2007

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School/College	Jul-Nov FY06	Jul-Nov FY07
<b>Upper Campus</b>		
Architecture and Urban Planning	\$ 1,673,235	\$ 698,491
Arts and Sciences	\$ 30,880,820	\$ 38,036,240
Business Administration	\$ 189,102	\$ 58,147
Director of Libraries	\$ 343,192	\$ 3,000
Education	\$ 8,424,922	\$ 5,902,328
Educational Outreach	\$ 301,957	\$ 366,528
Engineering	\$ 43,771,198	\$ 41,910,990
Evans School of Public Affairs	\$ 1,829,490	\$ 2,633,563
Forest Resources	\$ 3,489,626	\$ 2,863,423
Graduate School	\$ 4,526,167	\$ 1,694,645
Information School	\$ 1,059,405	\$ 1,641,990
Law	\$ 258,994	\$ 112,000
Ocean and Fishery Sciences	\$ 32,989,909	\$ 37,347,979
Office of Research	\$ 15,250,208	\$ 18,784,763
Social Work	\$ 6,025,601	\$ 5,044,141
Undergraduate Education	\$ 117,665	\$ 1,250,161
VP Educational Partnerships	\$ 80,853	\$ 106,347
VP Minority Affairs	\$ 6,861,608	\$ 4,059,253
VP Student Life	\$ 5,500	
<b>Subtotal :</b>	<b>\$ 158,079,452</b>	<b>\$ 162,513,990</b>
<b>Health Sciences</b>		
Dentistry	\$ 5,373,061	\$ 2,734,963
Health Sciences Admin	\$ 11,208,021	\$ 13,425,896
Medical Centers	\$ 13,934	\$ 1,000
Medicine	\$ 186,616,199	\$ 191,834,449
Nursing	\$ 7,898,636	\$ 7,147,221
Pharmacy	\$ 4,412,400	\$ 5,518,682
Public Health and Community Medicine	\$ 40,285,668	\$ 33,236,364
<b>Subtotal :</b>	<b>\$ 255,807,918</b>	<b>\$ 253,898,574</b>
<b>Special Programs</b>		
<b>Subtotal :</b>		
<b>Other UW Campuses</b>		
Bothell	\$ 1,321,636	\$ 604,108
Tacoma	\$ 567,829	\$ 205,829
<b>Subtotal :</b>	<b>\$ 1,889,465</b>	<b>\$ 809,937</b>
<b>Grand Total :</b>	<b>\$ 415,776,835</b>	<b>\$ 417,222,501</b>



**List of Awards for Arts and Sciences**

**Fiscal Years 2005-2006 and 2006-2007**

<b>Department</b>	<b>Jul-Nov FY06</b>	<b>Jul-Nov FY07</b>
Center for Statistics and the Social Sciences	\$ 149,211	\$ 482,482
Center for Studies in Demography and Ecology	\$ 2,095,156	\$ 1,039,885
Department of Anthropology	\$ 34,872	\$ 136,250
Department of Applied Mathematics	\$ 849,562	\$ 1,726,247
Department of Asian Languages and Literature	\$ 140,000	\$0
Department of Astronomy	\$ 994,639	\$ 1,808,312
Department of Atmospheric Sciences	\$ 2,549,569	\$ 3,023,100
Department of Biology	\$ 3,706,445	\$ 5,737,508
Department of Chemistry	\$ 5,295,052	\$ 9,223,046
Department of Classics	\$ 30,000	\$0
Department of Communication	\$ 24,550	\$ 201,100
Department of Comparative Literature	\$0	\$ 21,178
Department of Earth and Space Sciences	\$ 2,297,809	\$ 1,810,458
Department of Economics	\$ 7,250	\$ 24,800
Department of Geography	\$0	\$ 180,909
Department of Germanics	\$ 36,000	\$ 45,000
Department of History	\$0	\$ 70,694
Department of Mathematics	\$ 713,604	\$ 635,491
Department of Near Eastern Languages and Civilization	\$ 17,500	\$0
Department of Physics	\$ 2,115,851	\$ 2,730,958
Department of Political Science	\$0	\$ 508,696
Department of Psychology	\$ 4,807,583	\$ 5,805,287
Department of Sociology	\$ 352,788	\$ 77,244
Department of Speech and Hearing Sciences	\$ 508,138	\$ 643,830
Department of Statistics	\$ 487,282	\$ 198,959
Henry M. Jackson School of International Studies	\$ 1,072,020	\$ 1,123,111
Institute for Nuclear Theory	\$ 2,373,000	\$ 135,000
Language Learning Center	\$0	\$ 20,000
Law, Societies and Justice Program	\$ 53,571	\$ 90,017
Other Arts and Sciences Programs	\$0	\$ 9,500
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	\$ 92,968	\$ 97,613
<b>Total :</b>	<b>\$ 30,880,820</b>	<b>\$ 38,036,240</b>

*Assuming acceptance of all awards by the Board of Regents*

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

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<b>Month</b>	<b>RESEARCH AND OTHER</b>		<b>TRAINING</b>		<b>Total Grants</b>
	<b>Federal</b>	<b>Non-Federal</b>	<b>Federal</b>	<b>Non-Federal</b>	
July	\$ 46,551,120	\$ 3,501,075	\$ 6,191,659	\$ 116,675	\$ 56,360,530
August	\$ 111,896,000	\$ 1,805,011	\$ 6,156,148	\$ 0	\$ 119,857,200
September	\$ 59,774,620	\$ 835,114	\$ 4,289,084	\$ 170,000	\$ 65,068,820
October	\$ 44,817,340	\$ 2,488,397	\$ 11,142,060	\$ 23,528	\$ 58,471,320
November	\$ 13,934,800	\$ 2,200,982	\$ 375,521	\$ 192,752	\$ 16,704,050
<b>Year to Date</b>	<b>\$ 276,973,900</b>	<b>\$ 10,830,580</b>	<b>\$ 28,154,480</b>	<b>\$ 502,955</b>	<b>\$ 316,461,900</b>

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*Assuming acceptance of all awards by the Board of Regents*

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**Summary of Grant Awards**

**Fiscal Year 2006-2007**

*Private awards from Foundations, Industry, Associations and Others*

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<b>Month</b>	<b>RESEARCH AND OTHER</b>	<b>TRAINING</b>	<b>Total Grants</b>
July	\$ 4,648,699	\$ 61,206	\$ 4,709,905
August	\$ 7,107,670	\$ 184,174	\$ 7,291,844
September	\$ 20,026,620	\$ 266,485	\$ 20,293,100
October	\$ 9,020,528	\$ 123,297	\$ 9,143,825
November	\$ 13,743,800	\$ 187,000	\$ 13,930,800
<b>Year to Date</b>	<b>\$ 54,547,320</b>	<b>\$ 822,162</b>	<b>\$ 55,369,480</b>

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*Assuming acceptance of all awards by the Board of Regents*

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**Summary of Contract Awards**

**Fiscal Year 2006-2007**

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<b>Month</b>	<b>RESEARCH AND OTHER</b>		<b>TRAINING</b>		<b>Total Contracts</b>
	<b>Federal</b>	<b>Non-Federal</b>	<b>Federal</b>	<b>Non-Federal</b>	
July	\$ 612,297	\$ 2,549,250	\$ 0	\$ 516,113	\$ 3,677,660
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	\$ 5,512,701	\$ 24,000	\$ 1,736,983	\$ 15,672,880
November	\$ 6,697,038	\$ 5,490,001	\$ 0	\$ 272,174	\$ 12,459,210
<b>Year to Date</b>	<b>\$ 22,580,620</b>	<b>\$ 19,533,370</b>	<b>\$ 24,000</b>	<b>\$ 3,253,104</b>	<b>\$ 45,391,100</b>

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*Assuming acceptance of all awards by the Board of Regents*

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

**November 2006**

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

**Office of Research  
Office of Sponsored Programs**

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**Detail of Public Grant Awards**

**Federal**

**US Department of Defense (DOD)**

**Air Force Office of Scientific Research (AFOSR)**

To: Minoru Taya, Professor \$ 1,169,560  
 Mechanical Engineering  
 For: Energy Harvesting and Storage Systems and Their Integration to AF  
 Aero Vehicles  
 Eff: 5/1/2006

**Total for Air Force Office of Scientific Research (AFOSR): \$ 1,169,560**

**Office of Naval Research (ONR)**

To: Russell E Mc Duff, Director/chair \$ 1,000,000  
 School of Oceanography  
 For: ONR Ship Operations  
 Eff: 1/15/2001

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

**Total for US Department of Defense (DOD): \$ 2,169,560**

**US Department of Health and Human Services (DHHS)**

**National Institutes of Health (NIH)**

To: Buddy D Ratner, Professor \$ 2,057,267  
 Bioengineering  
 For: Engineered Cardiac Morphogenesis- Stem Cells and Scaffolds  
 Eff: 9/1/2006

**Total for National Institutes of Health (NIH): \$ 2,057,267**

**Total for US Department of Health and Human Services (DHHS): \$ 2,057,267**

**Other Federal**

**National Oceanic and Atmospheric Administration (NOAA)**

To: Russell E Mc Duff, Director/chair \$ 1,332,873  
 School of Oceanography  
 For: CLIVAR/CO2 P16N Cruise (TN191)  
 Eff: 2/1/2006

**Total for National Oceanic and Atmospheric Administration (NOAA): \$ 1,332,873**

**Total for Other Federal: \$ 1,332,873**

**Total for Federal: \$ 5,559,700**

**Total Public Grants: \$ 5,559,700**

## Detail of Private Grant Awards

### Foundations

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#### **Amgen Foundation**

To: Janice M Decosmo, Assistant Dean \$ 1,000,000  
Dean Undergrad Ed  
For: University of Washington Amgen Scholars Program  
Eff: 10/1/2006

**Total for Amgen Foundation: \$ 1,000,000**

#### **Gordon and Betty Moore Foundation**

To: Mary E. Lidstrom, Vice Provost \$ 2,250,000  
Office Of Research  
For: Center for Environmental Genomics  
Eff: 10/1/2006

**Total for Gordon and Betty Moore Foundation: \$ 2,250,000**

**Total for Foundations: \$ 3,250,000**

**Total Private Grants: \$ 3,250,000**

Detail of Contract Awards

Federal

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**US Department of Health and Human Services (DHHS)**

**National Institutes of Health (NIH)**

*National Heart, Lung, and Blood Institute (NHLBI)*

To: Richard A Kronmal, Professor \$ 1,150,000  
Department of Biostatistics

For: Cardiovascular Health Study - Transition Phase

Eff: 6/1/2005

*Total for National Heart, Lung, and Blood Institute (NHLBI):* \$ 1,150,000

**Total for National Institutes of Health (NIH):** \$ 1,150,000

**Total for US Department of Health and Human Services (DHHS):** \$ 1,150,000

**Other Federal**

**National Oceanic and Atmospheric Administration (NOAA)**

To: Kerry-ann Naish, Assistant Professor \$ 1,442,526  
School of Aquatic and Fishery Science

For: Quantifying domestication selection on life history in hatchery coho  
salmon

Eff: 9/25/2006

**Total for National Oceanic and Atmospheric Administration (NOAA):** \$ 1,442,526

**Total for Other Federal:** \$ 1,442,526

**Total for Federal:** \$ 2,592,526

**Total Contracts:** \$ 2,592,526

**Grand Total for all Awards** \$ 11,402,226