



# **Monthly Research Award Summary**

## **for**

### **December 2015**

*For comments or questions, please contact the Office of Research at  
research@uw.edu*

## Overall Fiscal Year to Date Research Award Totals,<sup>1</sup> for Jul-Dec period of Last 5 Fiscal Years

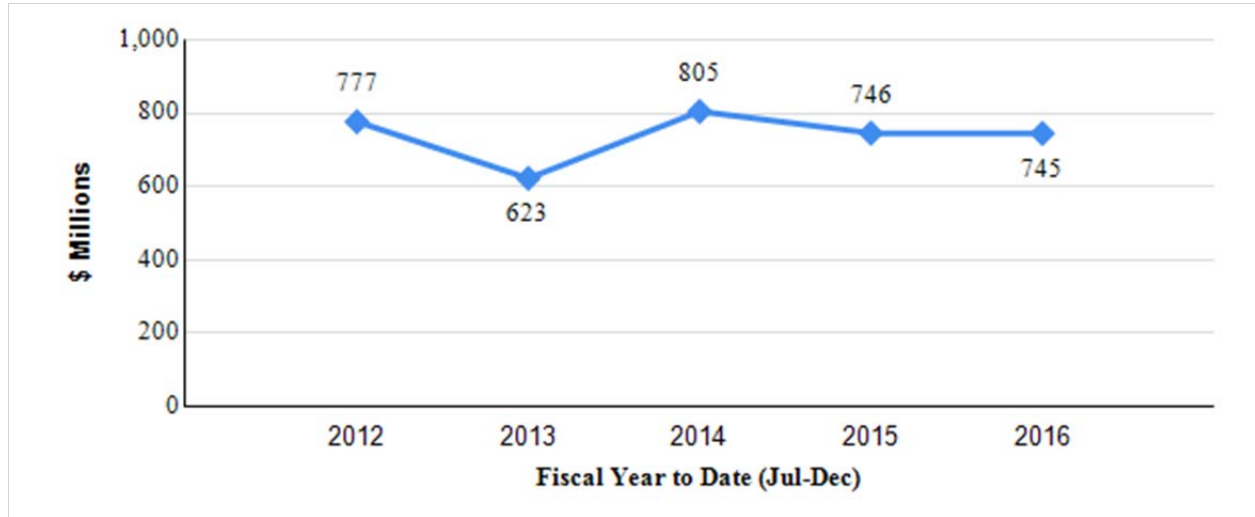


Figure 1

	FY2012		FY2013		FY2014		FY2015		FY2016		% of Total	5-yr CAGR <sup>2</sup>	FY16-FY15 % Diff
	Cnt	\$M	Cnt	\$M	Cnt	\$M	Cnt	\$M	Cnt	\$M			
<b>Fiscal Quarter 1</b>	<b>1,632</b>	<b>\$522.4</b>	<b>1,297</b>	<b>\$368.7</b>	<b>1,804</b>	<b>\$547.9</b>	<b>1,635</b>	<b>\$494.3</b>	<b>1,593</b>	<b>\$488.5</b>	<b>66%</b>	<b>-2%</b>	<b>-1%</b>
July	394	118.1	379	91.2	666	214.5	598	168.6	549	150.0	20%	6%	-11%
August	640	185.7	518	135.0	587	152.9	523	177.1	543	178.8	24%	-1%	1%
September	598	218.7	400	142.5	551	180.6	514	148.6	501	159.7	21%	-8%	7%
<b>Fiscal Quarter 2</b>	<b>1,009</b>	<b>\$254.8</b>	<b>1,119</b>	<b>\$254.3</b>	<b>1,082</b>	<b>\$257.4</b>	<b>1,040</b>	<b>\$252.0</b>	<b>1,057</b>	<b>\$256.8</b>	<b>34%</b>	<b>0%</b>	<b>2%</b>
October	385	103.5	419	99.8	438	95.5	363	80.9	370	117.2	16%	3%	45%
November	323	89.6	350	89.2	275	61.9	335	81.3	296	57.0	8%	-11%	-30%
December	301	61.7	350	65.3	369	100.0	342	89.8	391	82.5	11%	8%	-8%
<b>Fiscal Quarter 3</b>	<b>1,060</b>	<b>\$229.9</b>	<b>1,028</b>	<b>\$248.4</b>	<b>1,074</b>	<b>\$235.3</b>	<b>1,043</b>	<b>\$210.1</b>					
January	309	59.1	364	87.2	335	89.0	280	46.6					
February	335	67.5	313	64.7	348	71.3	319	69.1					
March	416	103.2	351	96.5	391	75.0	444	94.4					
<b>Fiscal Quarter 4</b>	<b>1,312</b>	<b>\$419.1</b>	<b>1,304</b>	<b>\$282.8</b>	<b>1,355</b>	<b>\$361.7</b>	<b>1,263</b>	<b>\$357.9</b>					
April	371	106.1	362	72.1	427	95.8	396	106.6					
May	347	105.1	395	57.3	405	102.5	396	122.8					
June	594	207.9	547	153.4	523	163.3	471	128.6					
<b>FYTD Total</b>	<b>2,641</b>	<b>\$777.2</b>	<b>2,416</b>	<b>\$623.0</b>	<b>2,886</b>	<b>\$805.3</b>	<b>2,675</b>	<b>\$746.4</b>	<b>2,650</b>	<b>\$745.2</b>	<b>100%</b>	<b>-1%</b>	<b>0%</b>
<b>Grand Total</b>	<b>5,013</b>	<b>\$1,426.2</b>	<b>4,748</b>	<b>\$1,154.1</b>	<b>5,315</b>	<b>\$1,402.3</b>	<b>4,981</b>	<b>\$1,314.4</b>	<b>2,650</b>	<b>\$745.2</b>	<b>100%</b>	<b>-15%</b>	<b>-43%</b>

Table 1

<sup>1</sup> All dollar totals are shown in constant fiscal year 2016 dollars, as determined by the average Consumer Price Index (CPI) value over the given fiscal year.

<sup>2</sup> The Compound Annual Growth Rate (CAGR) is the geometric average year-over-year dollar growth rate for the entire period.

## Monthly Distributive and Cumulative Breakdown of Research Award Dollars, for Last 5 Fiscal Years

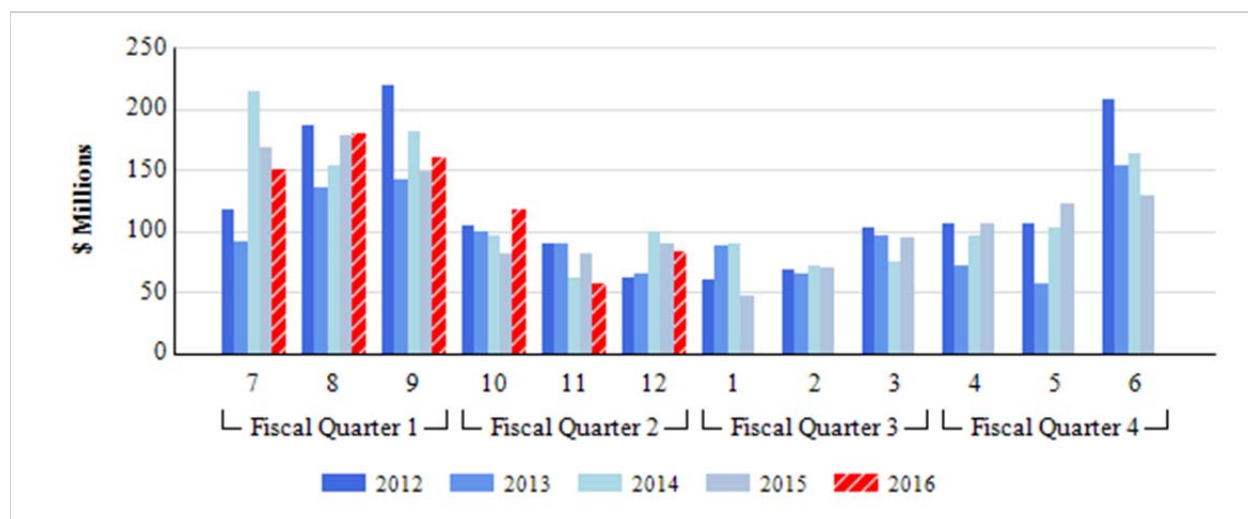


Figure 2: Monthly distribution of research award dollars by fiscal year

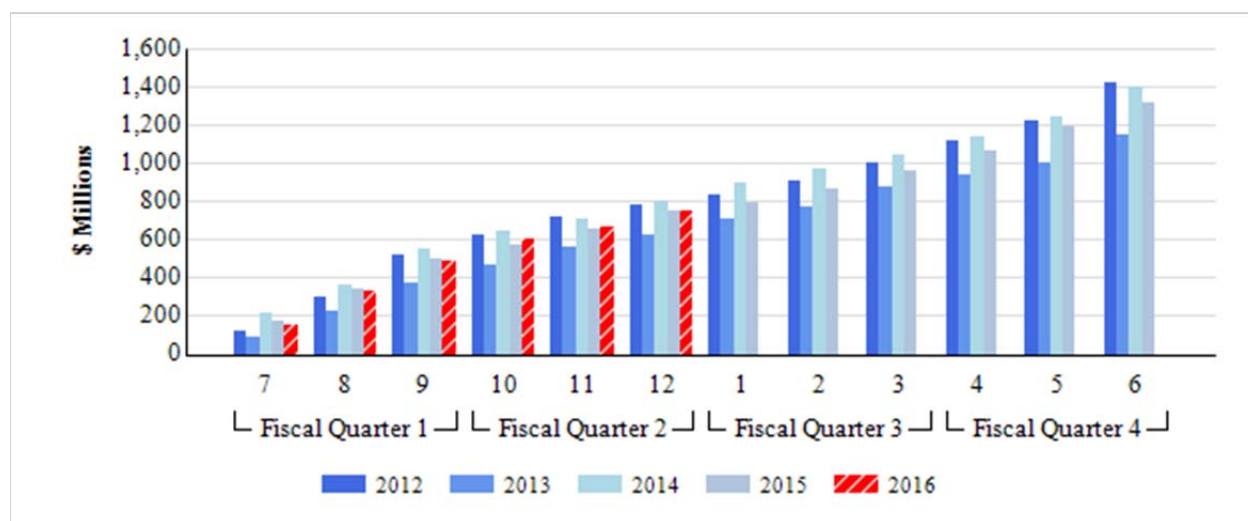


Figure 3: Monthly cumulative totals of research award dollars by fiscal year

## Fiscal Year to Date Research Award Totals by Project Type,<sup>3</sup> for Jul-Dec period of Last 5 Fiscal Years

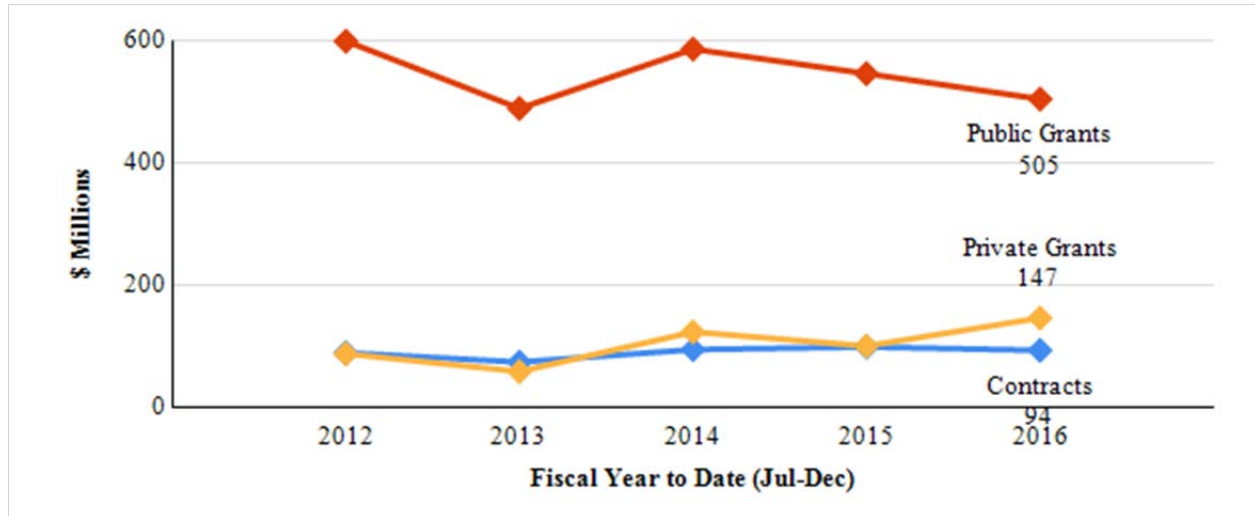


Figure 4

	FYTD 2012		FYTD 2013		FYTD 2014		FYTD 2015		FYTD 2016		% of Total	5-yr CAGR	FY16-FY15 % Diff
	Cnt	\$M	Cnt	\$M	Cnt	\$M	Cnt	\$M	Cnt	\$M			
<b>Contracts</b>	<b>428</b>	<b>\$89.6</b>	<b>409</b>	<b>\$74.5</b>	<b>450</b>	<b>\$95.0</b>	<b>435</b>	<b>\$99.1</b>	<b>405</b>	<b>\$93.7</b>	<b>13%</b>	<b>1%</b>	<b>-5%</b>
Research and Other	413	86.0	396	72.9	441	93.0	430	98.5	395	91.3	12%	2%	-7%
Training	15	3.6	13	1.6	9	1.9	5	0.6	10	2.4	0%	-10%	267%
<b>Private Grants</b>	<b>416</b>	<b>\$88.0</b>	<b>411</b>	<b>\$58.9</b>	<b>532</b>	<b>\$123.7</b>	<b>489</b>	<b>\$100.7</b>	<b>534</b>	<b>\$146.6</b>	<b>20%</b>	<b>14%</b>	<b>46%</b>
Research and Other	389	85.6	389	57.0	524	123.2	481	99.8	517	145.5	20%	14%	46%
Training	27	2.4	22	1.9	8	0.6	8	0.9	17	1.2	0%	-16%	32%
<b>Public Grants</b>	<b>1,797</b>	<b>\$599.6</b>	<b>1,596</b>	<b>\$489.5</b>	<b>1,904</b>	<b>\$586.6</b>	<b>1,751</b>	<b>\$546.5</b>	<b>1,711</b>	<b>\$504.9</b>	<b>68%</b>	<b>-4%</b>	<b>-8%</b>
Research and Other	1,673	559.0	1,480	449.5	1,764	536.9	1,613	505.6	1,573	463.5	62%	-5%	-8%
Training	124	40.7	116	40.0	140	49.7	138	40.9	138	41.4	6%	0%	1%
<b>Grand Total</b>	<b>2,641</b>	<b>\$777.2</b>	<b>2,416</b>	<b>\$623.0</b>	<b>2,886</b>	<b>\$805.3</b>	<b>2,675</b>	<b>\$746.4</b>	<b>2,650</b>	<b>\$745.2</b>	<b>100%</b>	<b>-1%</b>	<b>0%</b>

Table 2

<sup>3</sup> Project Type indicates the funding mechanism used for the project. A contract is an award instrument used for the acquisition of property or services. A grant is funding assistance to support an eligible entity to carry out a project or activity (usually the sponsor does not have programmatic involvement). A public research award is funded with governmental funds, whether from a federal, state, or local entity.

## Fiscal Year to Date Research Award Totals by Originating Sponsor<sup>4</sup>Federal Status, for Jul-Dec period of Last 5 Fiscal Years

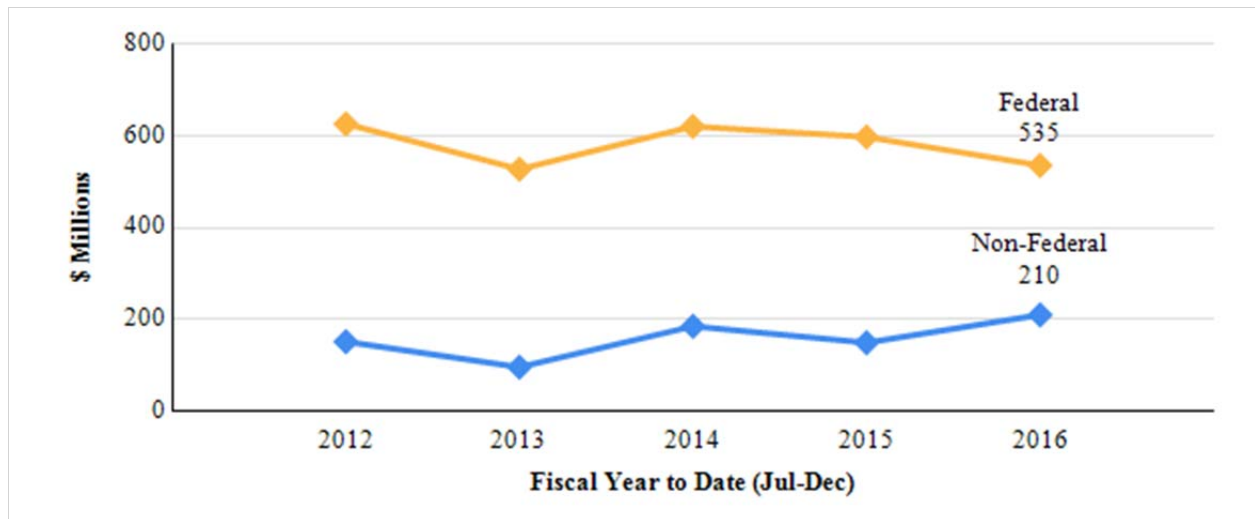


Figure 5

	FYTD 2012		FYTD 2013		FYTD 2014		FYTD 2015		FYTD 2016		% of Total	5-yr CAGR	FY16-FY15 % Diff
	Cnt	\$M	Cnt	\$M	Cnt	\$M	Cnt	\$M	Cnt	\$M			
<b>Federal</b>	<b>1,944</b>	<b>\$625.8</b>	<b>1,727</b>	<b>\$527.0</b>	<b>2,041</b>	<b>\$620.3</b>	<b>1,857</b>	<b>\$597.2</b>	<b>1,810</b>	<b>\$535.3</b>	<b>72%</b>	<b>-4%</b>	<b>-10%</b>
Research and Other	1,819	588.9	1,611	487.6	1,903	569.9	1,721	555.9	1,677	494.1	66%	-4%	-11%
Training	125	36.8	116	39.3	138	50.4	136	41.2	133	41.2	6%	3%	0%
<b>Non-Federal</b>	<b>697</b>	<b>\$151.4</b>	<b>689</b>	<b>\$96.0</b>	<b>845</b>	<b>\$185.0</b>	<b>818</b>	<b>\$149.2</b>	<b>840</b>	<b>\$209.9</b>	<b>28%</b>	<b>9%</b>	<b>41%</b>
Research and Other	656	141.6	654	91.8	826	183.2	803	148.0	808	206.1	28%	10%	39%
Training	41	9.8	35	4.2	19	1.8	15	1.2	32	3.7	1%	-21%	204%
<b>Grand Total</b>	<b>2,641</b>	<b>\$777.2</b>	<b>2,416</b>	<b>\$623.0</b>	<b>2,886</b>	<b>\$805.3</b>	<b>2,675</b>	<b>\$746.4</b>	<b>2,650</b>	<b>\$745.2</b>	<b>100%</b>	<b>-1%</b>	<b>0%</b>

Table 3

<sup>4</sup> The originating sponsor is the original source of funds. A direct sponsor refers to a sponsor who is subcontracting funds to the University of Washington either directly or from an originating sponsor. This report shows awards by originating sponsor. Board of Regents reports prior to June 2014 showed awards by direct sponsor.

## Fiscal Year to Date Research Award Totals by Originating Sponsor,<sup>4</sup> for Jul-Dec 2015

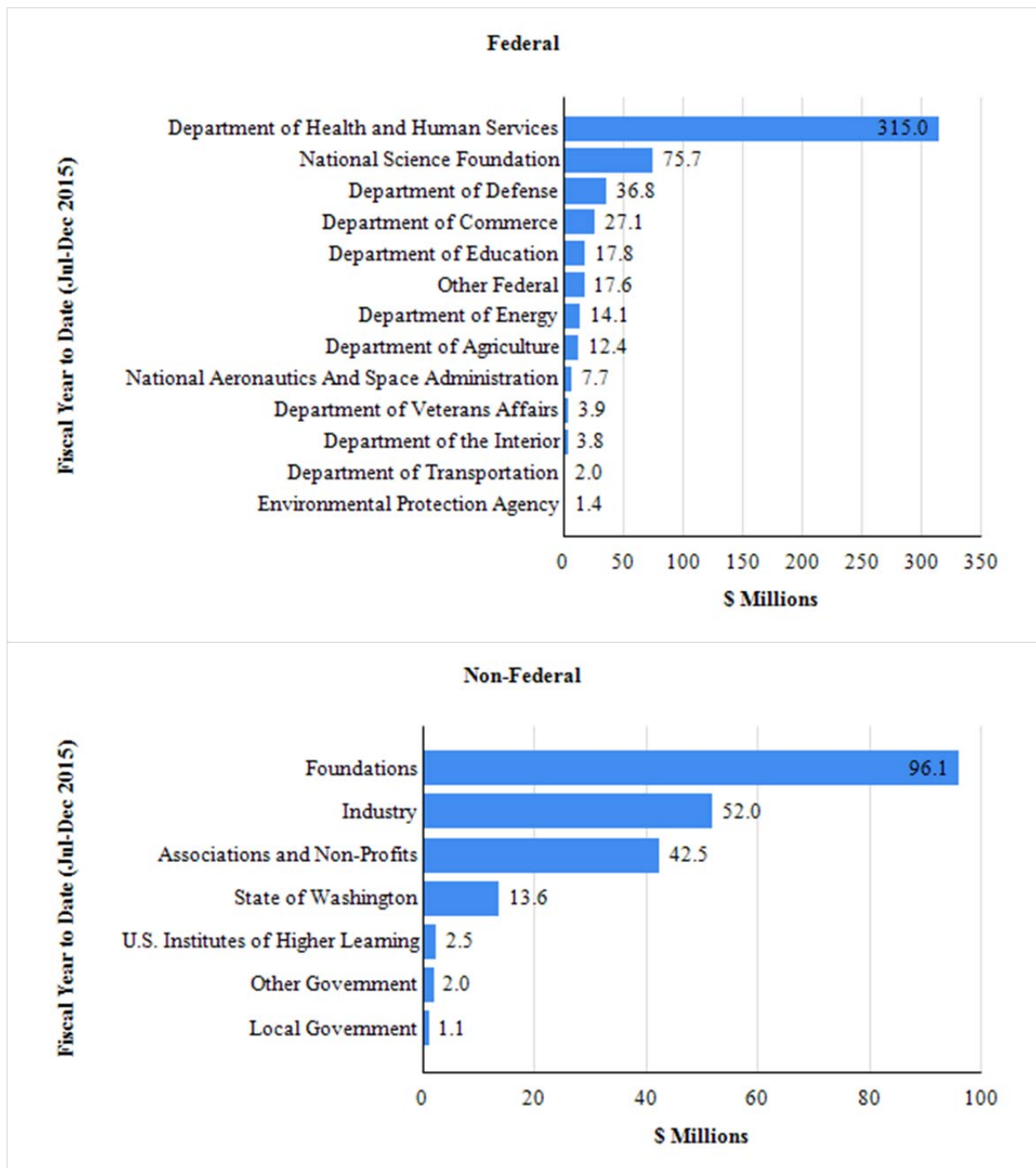


Figure 6

## Fiscal Year to Date Research Award Totals by Originating Sponsor,<sup>4</sup> for Jul-Dec period of Last 5 Fiscal Years

	FYTD 2012		FYTD 2013		FYTD 2014		FYTD 2015		FYTD 2016		% of Total	5-yr CAGR	FY16-FY15 % Diff
	Cnt	\$M	Cnt	\$M	Cnt	\$M	Cnt	\$M	Cnt	\$M			
<b>Federal</b>	<b>1,944</b>	<b>\$625.8</b>	<b>1,727</b>	<b>\$527.0</b>	<b>2,041</b>	<b>\$620.3</b>	<b>1,857</b>	<b>\$597.2</b>	<b>1,810</b>	<b>\$535.3</b>	<b>72%</b>	<b>-4%</b>	<b>-10%</b>
Department of Agriculture	37	21.0	31	7.2	38	12.8	37	15.8	29	12.4	2%	-12%	-21%
Department of Commerce	82	22.2	50	16.1	53	17.8	65	19.9	84	27.1	4%	5%	36%
Department of Defense	136	33.1	152	37.3	187	59.6	149	49.1	152	36.8	5%	3%	-25%
Department of Education	49	21.3	52	17.9	53	19.2	60	26.2	40	17.8	2%	-4%	-32%
Department of Energy	65	15.1	53	10.3	78	17.6	67	19.4	52	14.1	2%	-2%	-28%
Department of Health and Human Services	1,079	381.9	914	319.4	1,156	377.5	1,075	354.7	977	315.0	42%	-5%	-11%
Department of the Interior	52	4.0	49	4.1	32	2.7	39	2.7	32	3.8	1%	-1%	42%
Department of Transportation	11	1.1	14	1.1	12	0.9	10	7.3	11	2.0	0%	16%	-72%
Department of Veterans Affairs	57	4.8	47	3.4	66	4.9	54	3.6	43	3.9	1%	-5%	8%
Environmental Protection Agency	15	6.8	16	4.1	16	1.5	7	0.6	10	1.4	0%	-33%	126%
National Aeronautics And Space Administration	87	7.6	87	7.7	84	10.0	76	8.9	79	7.7	1%	0%	-13%
National Science Foundation	230	95.6	230	92.7	225	86.2	179	77.2	241	75.7	10%	-6%	-2%
Other Federal	44	11.2	32	5.8	41	9.6	39	11.8	60	17.6	2%	12%	49%
<b>Non-Federal</b>	<b>697</b>	<b>\$151.4</b>	<b>689</b>	<b>\$96.0</b>	<b>845</b>	<b>\$185.0</b>	<b>818</b>	<b>\$149.2</b>	<b>840</b>	<b>\$209.9</b>	<b>28%</b>	<b>9%</b>	<b>41%</b>
Associations and Non-Profits	235	18.2	206	17.9	292	39.0	263	29.1	242	42.5	6%	24%	46%
Foundations	150	64.5	160	39.9	195	82.8	198	67.5	221	96.1	13%	11%	42%
Industry	181	34.4	188	26.3	219	40.0	236	43.7	248	52.0	7%	11%	19%
Local Government	13	0.6	19	1.3	25	1.7	28	1.7	24	1.1	0%	14%	-35%
Other Government	23	1.8	34	4.3	26	3.3	17	1.5	20	2.0	0%	3%	37%
State of Washington	70	27.1	57	4.4	64	15.9	47	3.7	61	13.6	2%	-16%	264%
U.S. Institutes of Higher Learning	25	4.8	25	1.9	24	2.2	29	1.9	24	2.5	0%	-15%	30%
<b>Grand Total</b>	<b>2,641</b>	<b>\$777.2</b>	<b>2,416</b>	<b>\$623.0</b>	<b>2,886</b>	<b>\$805.3</b>	<b>2,675</b>	<b>\$746.4</b>	<b>2,650</b>	<b>\$745.2</b>	<b>100%</b>	<b>-1%</b>	<b>0%</b>

Table 4

## Fiscal Year to Date Research Award Totals by School/College,<sup>5</sup> for Jul-Dec 2015

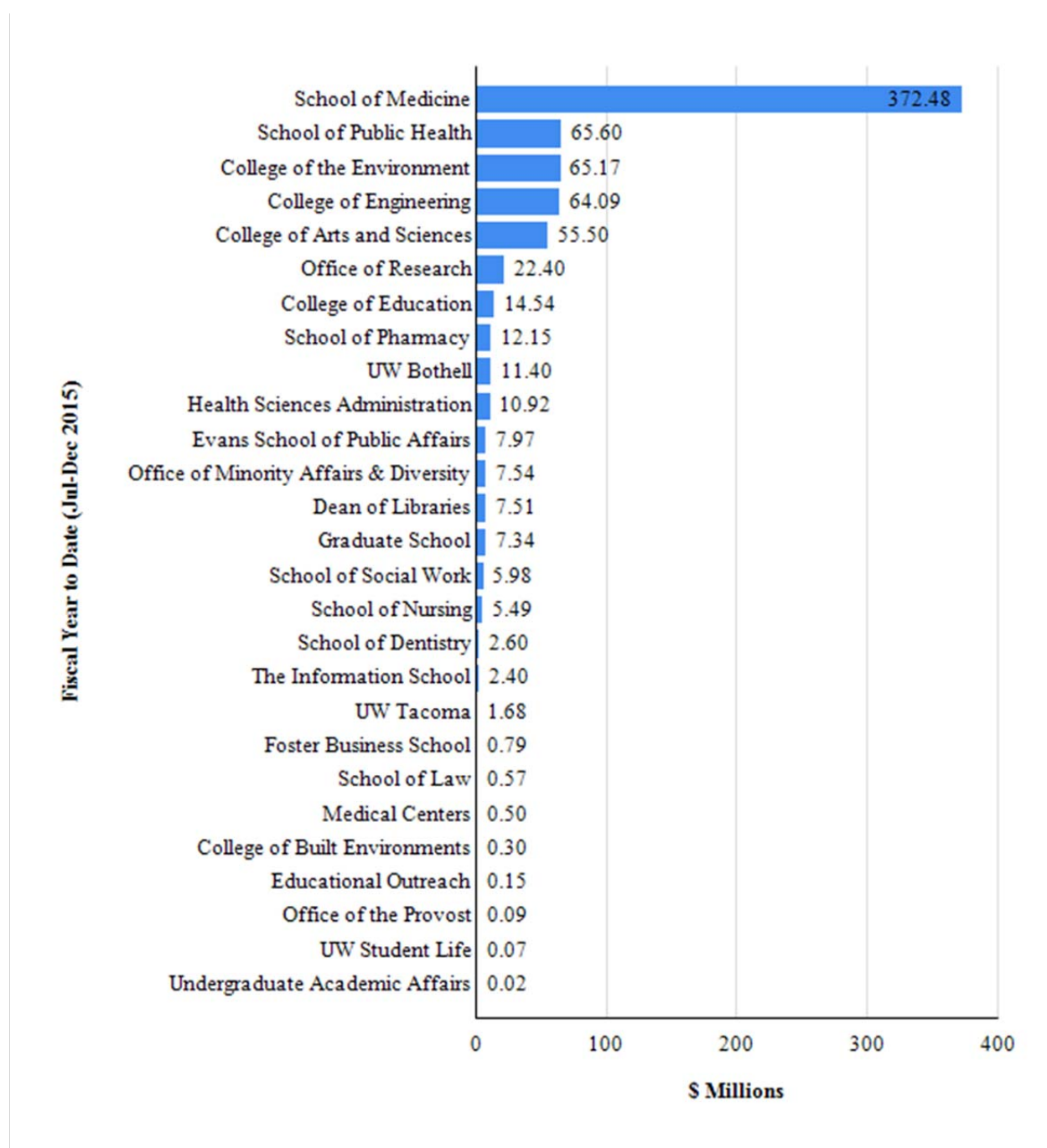


Figure 7

<sup>5</sup> Totals for Bioengineering are shared equally between the College of Engineering and the School of Medicine. Some of the totals for Global Health are shared equally between the School of Medicine and the School of Public Health.



## Fiscal Year to Date Research Award Totals by School/College,<sup>5</sup> for Jul-Dec period of Last 5 Fiscal Years

School/College	FYTD 2012		FYTD 2013		FYTD 2014		FYTD 2015		FYTD 2016		% of Total	5-yr CAGR	FY16-FY15 % Diff
	Cnt	\$M	Cnt	\$M	Cnt	\$M	Cnt	\$M	Cnt	\$M			
College of Arts and Sciences	247	\$48.8	236	\$46.3	283	\$48.6	253	\$64.4	254	\$55.5	7%	3%	-14%
College of Built Environments	9	\$0.5	16	\$0.6	9	\$1.1	6	\$0.1	7	\$0.3	0%	-11%	275%
College of Education	22	\$12.7	26	\$18.9	49	\$22.4	36	\$23.0	45	\$14.5	2%	3%	-37%
College of Engineering	263	\$58.8	248	\$49.9	293	\$62.7	292	\$71.6	297	\$64.1	9%	2%	-10%
College of the Environment	337	\$98.1	304	\$70.1	288	\$76.7	286	\$78.9	302	\$65.2	9%	-10%	-17%
Dean of Libraries	2	\$5.6	2	\$0.1	3	\$6.0	1	\$0.0	5	\$7.5	1%	8%	24810%
Educational Outreach	1	\$0.1	1	\$0.1					1	\$0.1	0%	30%	
Evans School of Public Affairs	7	\$1.3	10	\$4.6	9	\$2.5	15	\$2.4	8	\$8.0	1%	59%	231%
Foster Business School	4	\$0.3	4	\$0.5	7	\$1.3	5	\$0.8	4	\$0.8	0%	28%	-1%
Graduate School	19	\$3.3	22	\$4.8	31	\$5.0	23	\$9.3	26	\$7.3	1%	22%	-21%
Health Sciences Administration	37	\$30.6	27	\$12.3	32	\$26.1	31	\$9.6	35	\$10.9	1%	-23%	13%
Medical Centers					1	\$0.5			1	\$0.5	0%		
Office of Minority Affairs & Diversity	12	\$9.4	14	\$7.1	13	\$7.1	13	\$8.2	14	\$7.5	1%	-5%	-8%
Office of Research	127	\$25.0	133	\$33.6	128	\$27.8	91	\$17.9	99	\$22.4	3%	-3%	25%
Office of the Provost	2	\$0.0			1	\$0.1			1	\$0.1	0%	30%	
School of Dentistry	21	\$2.1	23	\$2.8	20	\$2.2	25	\$3.0	21	\$2.6	0%	6%	-13%
School of Law	6	\$3.6	2	\$0.2	6	\$1.4	6	\$2.3	6	\$0.6	0%	-37%	-76%
School of Medicine	1,150	\$337.0	1,047	\$277.2	1,335	\$403.7	1,269	\$367.1	1,182	\$372.5	50%	3%	1%
School of Nursing	45	\$8.0	31	\$3.9	45	\$9.0	33	\$4.8	30	\$5.5	1%	-9%	15%
School of Pharmacy	35	\$16.4	23	\$11.1	37	\$11.5	32	\$9.4	34	\$12.1	2%	-7%	29%
School of Public Health	222	\$95.4	165	\$54.0	205	\$71.2	168	\$58.7	177	\$65.6	9%	-9%	12%
School of Social Work	33	\$11.7	29	\$13.0	40	\$6.4	38	\$5.6	40	\$6.0	1%	-16%	7%
The Information School	15	\$3.4	20	\$5.1	12	\$2.7	10	\$2.7	15	\$2.4	0%	-9%	-11%
Undergraduate Academic Affairs	4	\$1.0	3	\$0.2	3	\$0.2	2	\$0.2	1	\$0.0	0%	-64%	-93%
UW Bothell	12	\$3.1	12	\$3.7	17	\$5.2	18	\$2.3	24	\$11.4	2%	39%	388%
UW Finance and Facilities			1	\$0.0	1	\$1.0	1	\$1.5					-100%
UW Information Technology			1	\$0.3	1	\$1.0	1	\$0.4					-100%
UW Student Life	1	\$0.0	1	\$0.0	2	\$0.1	2	\$0.0	2	\$0.1	0%	12%	202%
UW Tacoma	9	\$1.1	16	\$2.4	16	\$1.7	19	\$2.1	19	\$1.7	0%	10%	-19%
<b>Grand Total</b>	<b>2,641</b>	<b>\$777.2</b>	<b>2,416</b>	<b>\$623.0</b>	<b>2,886</b>	<b>\$805.3</b>	<b>2,675</b>	<b>\$746.4</b>	<b>2,650</b>	<b>\$745.2</b>	<b>100%</b>	<b>-1%</b>	<b>0%</b>

Table 5

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

**December 2015**

## Detail of Public Grant<sup>3</sup> Research Awards by Originating Sponsor<sup>4</sup>

### Federal

#### Department of Health and Human Services

##### Centers for Disease Control and Prevention (CDC)

To:	Ann E. Downer, Assoc Professor Global Health	\$ 6,986,733
For:	Technical Assistance in Support of Clinical Training and Mentoring for HIV Treatment and Prevention Services in the Republic of Zimbabwe under PEPFAR	
Eff:	12/15/2015	Classified: No

<b>Total for Centers for Disease Control and Prevention (CDC):</b>	<b>\$ 6,986,733</b>
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##### Health Resources and Services Administration (HRSA)

To:	King K. Holmes, Professor Global Health	\$ 4,495,652
For:	International AIDS Education and Training Center	
Eff:	12/9/2015	Classified: No

<b>Total for Health Resources and Services Administration (HRSA):</b>	<b>\$ 4,495,652</b>
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##### National Institutes of Health (NIH)

To:	Gail Jarvik, Professor Medicine	\$ 1,671,316
For:	Clinical sequencing in cancer: Clinical, ethical, and technological studies	
Eff:	12/17/2015	Classified: No

##### *National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)*

To:	Jeffrey Jarvik, Professor Radiology	\$ 1,403,936
For:	A Pragmatic Trial of Lumbar Image Reporting with Epidemiology	
Eff:	12/21/2015	Classified: No

<i>Total for National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS):</i>	<i>\$ 1,403,936</i>
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##### *National Institute of Biomedical Imaging and Bioengineering (NIBIB)*

To:	David G. Castner, Professor Bioengineering	\$ 1,197,240
For:	Surface Analysis Facility for Biomedical Problems	
Eff:	12/23/2015	Classified: No

<i>Total for National Institute of Biomedical Imaging and Bioengineering (NIBIB):</i>	<i>\$ 1,197,240</i>
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##### *National Institute of Child Health and Human Development (NICHD)*

To:	VIRGINIA Wise Berninger, Professor Department of Education	\$ 1,477,911
For:	Defining and Treating Written Language Disabilities	
Eff:	12/4/2015	Classified: No

<i>Total for National Institute of Child Health and Human Development (NICHD):</i>	<i>\$ 1,477,911</i>
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<b>Total for National Institutes of Health (NIH):</b>	<b>\$ 5,750,403</b>
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**Total for Department of Health and Human Services:** **\$ 17,232,788**

**National Science Foundation**

**National Science Foundation (NSF)**

To: Zeljko IVEZIC, Professor **\$ 2,725,168**  
Astronomy

For: LSST Corporation Sub Award to University of Washington-construction  
phase year2supplement

Eff: 12/24/2015 Classified: No

**Total for National Science Foundation (NSF):** **\$ 2,725,168**

**Total for National Science Foundation:** **\$ 2,725,168**

**Total for Federal:** **\$ 19,957,956**

**Total Public Grants:** **\$ 19,957,956**

**Detail of Private Grant<sup>3</sup> Research Awards by Originating Sponsor<sup>4</sup>**

**Associations and Non-Profits**

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**Margaret A Cargill Philanthropies**

To: Julie K Stein, Director \$ 2,900,000  
Burke Museum

For: New Burke Museum Margaret A Cargill Foundation

Eff: 12/15/2015 Classified: No

**Total for Margaret A Cargill Philanthropies: \$ 2,900,000**

**Total for Associations and Non-Profits: \$ 2,900,000**

**Total Private Grants: \$ 2,900,000**

## Detail of Contract<sup>3</sup> Research Awards by Originating Sponsor<sup>4</sup>

### Federal

#### Department of Defense

##### US Navy

To:	Robert T Miyamoto, Associate Director Applied Physics Laboratory	\$ 3,470,885
For:	ICEX16 ICE SAMP	
Eff:	12/31/2015	Classified: No

**Total for US Navy:** **\$ 3,470,885**

**Total for Department of Defense:** **\$ 3,470,885**

#### Department of Education

##### Institute of Education Sciences (IES)

To:	Stephen Fink, Director Department of Education	\$ 2,350,923
For:	Providers of Principal Professional Development to Participate in an Impact Evaluation	
Eff:	12/10/2015	Classified: No

**Total for Institute of Education Sciences (IES):** **\$ 2,350,923**

**Total for Department of Education:** **\$ 2,350,923**

#### Department of Health and Human Services

##### National Institutes of Health (NIH)

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

To:	Bruce Weir, Professor Biostatistics	\$ 1,656,771
For:	Omics in Latinos (OLa) - Genetic Analysis	
Eff:	12/16/2015	Classified: No

*Total for National Heart, Lung, and Blood Institute (NHLBI):* *\$ 1,656,771*

**Total for National Institutes of Health (NIH):** **\$ 1,656,771**

**Total for Department of Health and Human Services:** **\$ 1,656,771**

**Total for Federal:** **\$ 7,478,579**

### Industry

#### Janssen Biotech, Inc.

To:	Mary L. Disis, Professor Medicine	\$ 1,575,488
For:	Vaccination to prevent the development of PIN or progression of PIN to invasive prostate cancer	
Eff:	12/15/2015	Classified: No

**Total for Janssen Biotech, Inc.:** **\$ 1,575,488**

**Total for Industry:** **\$ 1,575,488**

**Total Contracts:** **\$ 9,054,067**

**Grand Total for all Awards**

**\$ 31,912,023**