

The University of California

**Schedule of Expenditures of Federal Awards
for the year ended June 30, 2016**

UNIVERSITY OF CALIFORNIA
Summary Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Summary of Expenditures	Total Expenditures 2016
STUDENT FINANCIAL ASSISTANCE CLUSTER:	\$ 1,792,862,208
RESEARCH AND DEVELOPMENT CLUSTER:	
Federal Agency Direct Awards Expended	3,031,150,164
Pass-Through Funds Expended	423,926,171
Partial Pass-Through Funds Expended	26,319,534
Total Research and Development Cluster	3,481,395,869
DEPARTMENT OF AGRICULTURE - COOPERATIVE EXTENSION CLUSTER	
Federal Agency Direct Awards Expended	12,381,954
Pass-Through Funds Expended	137,263
Total Department of Agriculture - Cooperative Extension Cluster	12,519,217
DEPARTMENT OF AGRICULTURE - SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM (SNAP) CLUSTER	
Pass-Through Funds Expended	10,326,355
Total Department of Agriculture - Supplemental Nutrition Assistance Program Cluster	10,326,355
DEPARTMENT OF LABOR - WIA/WIOA CLUSTER	
Pass-Through Funds Expended	66
Total Department of Labor - WIA/WIOA Cluster	66
DEPARTMENT OF TRANSPORT - FEDERAL TRANSIT CLUSTER	
Pass-Through Funds Expended	41,346
Total Department of Transportation - Federal Transit Cluster	41,346

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UNIVERSITY OF CALIFORNIA
Summary Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Summary of Expenditures	Total Expenditures 2016
DEPARTMENT OF TRANSPORT- HIGHWAY SAFETY CLUSTER	
Pass-Through Funds Expended	293,813
Total Department of Transportation - Highway Safety Cluster	293,813
DEPARTMENT OF EDUCATION - TRIO CLUSTER	
Federal Agency Direct Awards Expended	7,873,789
Pass-Through Funds Expended	201,753
Total Department of Education - TRIO Cluster	8,075,542
DEPARTMENT OF HEALTH AND HUMAN SERVICES - AGING CLUSTER	
Pass-Through Funds Expended	45,500
Total Department of Health and Human Services - Aging Cluster	45,500
DEPARTMENT OF HEALTH AND HUMAN SERVICES - HEALTH CENTER PROGRAM CLUSTER	
Federal Agency Direct Awards Expended	1,283,248
Pass-Through Funds Expended	418,752
Total Department of Health and Human Services - Health Center Program Cluster	1,702,000
DEPARTMENT OF HEALTH AND HUMAN SERVICES - TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF) CLUSTER	
Pass-Through Funds Expended	2,161,358
Total Department of Health and Human Services - Temporary Assistance for Needy Families (TANF) Cluster	2,161,358

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UNIVERSITY OF CALIFORNIA
Summary Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Summary of Expenditures	Total Expenditures 2016
DEPARTMENT OF HEALTH AND HUMAN SERVICES - CHILD CARE AND DEVELOPMENT FUND (CCDF) CLUSTER	
Pass-Through Funds Expended	740,086
Partial Pass-Through Funds Expended	702
Total Department of Health and Human Services - Child Care and Development Fund (CCDF) Cluster	740,788
DEPARTMENT OF HEALTH AND HUMAN SERVICES - TITLE IV-E FOSTER CARE PROGRAM CLUSTER	
Pass Through Funds Expended	7,588,297
Partial Pass Through Funds Expended	25,425,638
Total Department of Health and Human Services - Foster Care Title IV-E Program	33,013,935
DEPARTMENT OF HEALTH AND HUMAN SERVICES - MEDICAID CLUSTER	
Pass Through Funds Expended	263,991
Total Department of Health and Human Services - Medicaid Cluster	263,991
OTHER PROGRAMS	
Federal Agency Direct Awards Expended	106,758,260
Pass-Through Funds Expended	40,349,073
Partial Pass-Through Funds Expended	6,836,430
Total Other Programs	153,943,763
Total Federal Awards Expended	\$ 5,497,385,751

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Schedule of Expenditures of Federal Awards
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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal CFDA Number	FY 2016	
			Total Federal Expenditures	Pass-Through to Subrecipients
STUDENT FINANCIAL ASSISTANCE CLUSTER:				
DEPARTMENT OF EDUCATION				
Direct Awards				
FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITIES GRANT	Various	84 007	\$ 9,319,779	
FEDERAL WORK-STUDY PROGRAM	Various	84 033	15,692,210	
FEDERAL PELL GRANTS	Various	84 063	377,040,049	
FEDERAL DIRECT STUDENT LOAN PROGRAM	Various	84 268	1,063,967,776	
FEDERAL PERKINS LOAN PROGRAM	Various	84 038	255,817,613	
FEDERAL PERKINS LOAN PRINCIPAL CANCELLATION	Various	84 037	740,207	
FEDERAL PERKINS LOAN PROGRAM ADMINISTRATIVE COST ALLOWANCE	Various	84 038	2,505,418	
TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND HIGHER EDUCATION GRANTS (TEACH)	Various	84 379	298,833	
Total Department of Education			1,725,381,885	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES				
Direct Awards				
SCHOLARSHIPS FOR STUDENTS FROM DISADVANTAGED BACKGROUND	Various	93 925	1,935,000	
HEALTH PROFESSIONS STUDENT LOAN PROGRAM/LOANS FOR DISADVANTAGED STUDENTS/PRIMARY CARE LOAN PROGRAM	Various	93 342	62,222,883	
NURSING STUDENT LOAN PROGRAM	Various	93 364	1,895,398	
NURSING FACULTY LOAN PROGRAM	Various	93 264	1,225,424	
ARRA- NURSING FACULTY LOAN PROGRAM	Various	93 408	201,618	
Total Department of Health and Human Services			67,480,323	-
Total Student Financial Assistance Cluster			1,792,862,208	-
RESEARCH AND DEVELOPMENT CLUSTER:				
DEPARTMENT OF AGRICULTURE				
Direct Awards				
Pass-Through and Partial Pass-Through	Various	10 RD	55,678,976	12,592,053
BIOSYNESIS, INC.	A15-0048	10 001	56,684	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	CALIFORNIA DEPARTMENT OF PUBLI-14-1	10 001	961,998	
INTERNATIONAL CROPS RESEARCH INSTITUTE FOR THE SEMI-ARID TROPICS	201503623	10 001	976	
MICHIGAN STATE UNIVERSITY	RC105306	10 001	53,635	
NATIONAL ACADEMY OF SCIENCES	2000006101	10 001	5,668	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	2012-CA001-ARS	10 001	38,966	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	5802082165	10 001	24,600	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	USDA-ARS SPA 58-0208-2-165	10 001	31,800	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	007580	10 025	45,682	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	150415SF	10 025	64,683	
CITRUS RESEARCH PROGRAM	007093	10 025	27,782	
CITRUS RESEARCH PROGRAM	007094	10 025	83,877	
TEXAS A&M UNIVERSITY - COLLEGE STATION	007660	10 025	18,360	
UNIVERSITY OF FLORIDA	1482120919CA	10 025	10,975	

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		Total Federal Expenditures	Pass-Through to Subrecipients
		Federal CFDA Number	Federal		
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	006502	10	170	96,026	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	007095	10	170	152,159	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	007861	10	170	84,137	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	14SCBGPCA0006	10	170	70,555	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	201502786-01	10	170	367	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FO-2013025	10	170	5,549	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FO-2013025	10	170	9,577	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FO-2013025	10	170	18,885	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FOOD-SCB14	10	170	108,604	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FO-2014027	10	170	2,591	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FOOD-SCB14	10	170	63,578	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FOOD-ADVAN	10	170	100,087	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FOOD-SCB15	10	170	43,298	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FOOD-SCB15	10	170	12,131	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FOOD-SCB15	10	170	9,309	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FOOD-SCB15	10	170	3,203	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FOOD-SCB14	10	170	86,848	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FO-2014027	10	170	4,070	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FO-2014027	10	170	7,620	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB12038	10	170	10,958	8,147
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB12039	10	170	(1,513)	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB12050	10	170	(110)	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB12052	10	170	377	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB12064	10	170	66,833	66,833
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB12066	10	170	7,730	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB12067	10	170	414	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB12068	10	170	696	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13013	10	170	11,244	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13019	10	170	3,626	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13048	10	170	150,911	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13049	10	170	169,448	65,445
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13052	10	170	85,221	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13055	10	170	234,242	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13056	10	170	189,172	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13057	10	170	196,148	32,538
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13058	10	170	136,008	136,008
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13059	10	170	56,717	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13060	10	170	135,777	135,777
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13061	10	170	56,241	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13062	10	170	95,441	95,441
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13063	10	170	188,584	188,584
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13064	10	170	88,197	88,197
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB14007	10	170	68,690	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB14027	10	170	41,131	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB14035	10	170	107,925	

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		Federal CFDA Number	Federal		
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB14036	10	170	121,945	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB14037	10	170	128,728	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB14040	10	170	91,111	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB14048	10	170	100,631	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB15014	10	170	2,086	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB15021	10	170	56,537	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB15026	10	170	3,481	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB15033	10	170	32,621	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB15035	10	170	59,954	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB15037	10	170	23,696	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB15040	10	170	62,427	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB15050	10	170	61,904	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB15058	10	170	12,067	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE/MISCELLANEOUS AGENCIES	SCB12046	10	170	(1,180)	
CALIFORNIA SUSTAINABLE WINEGROWING ALLIANCE	SCB14038	10	170	14,252	
CENTER FOR PRODUCE SAFETY	2015CPS13	10	170	218,342	69,737
CENTER FOR PRODUCE SAFETY	2015CPS14	10	170	148,234	
CENTER FOR PRODUCE SAFETY	2016CPS11	10	170	37,884	
MICHIGAN STATE UNIVERSITY	RC104577	10	170	7,561	
PROJECT APIS M.	201400979	10	170	16,553	
SUSTAINABLE CONSERVATION	SCB14028	10	170	72,650	
YOLO COUNTY	2013168	10	170	307	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB14015	10	170	82,753	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB14023	10	170	92,552	
COLORADO STATE UNIVERSITY	COLORADO STATE UNIVERSITY-G-14961-1	10	200	13,300	
COLORADO STATE UNIVERSITY	COLORADO STATE UNIVERSITY-G-14961-2	10	200	15,420	
COLORADO STATE UNIVERSITY	COLORADO STATE UNIVERSITY-G-21026-1	10	200	353	
OREGON STATE UNIVERSITY	C0452A-A	10	200	127,550	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	2014-34383-22362	10	200	7,562	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	RUTGERS, THE STATE UNIVER-5778-SWD-	10	200	9,525	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	5704-VM-Nino	10	200	2,639	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	5766-AF36-Michailides	10	200	14,480	
THE TEXAS A&M UNIVERSITY SYSTEM	06S130666	10	200	17,263	
UNIVERSITY OF FLORIDA	008150	10	200	3,351	
UNIVERSITY OF WASHINGTON	2012-38500-19657	10	200	1,929	
UNIVERSITY OF WASHINGTON	20123850019657	10	200	85	
UNIVERSITY OF WASHINGTON	U OF WASHINGTON/ NIFA 201223515	10	200	122	
UNIVERSITY OF WASHINGTON	U Washington/ NIFA 201223517	10	200	6,713	
UNIVERSITY OF WASHINGTON	748624	10	200	24,781	
UNIVERSITY OF WASHINGTON	748625	10	200	30,736	
UNIVERSITY OF WASHINGTON	755632	10	200	(950)	
UNIVERSITY OF WASHINGTON	UWSC8213	10	200	20,342	
UNIVERSITY OF WASHINGTON	UWSC8976	10	200	1,221	
IOWA STATE UNIVERSITY	4134495A	10	203	13,285	
APPLIED NANOTECH, INC.	201500994	10	212	25,000	

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		Pass-Through to Subrecipients
		Federal CFDA Number	Total Federal Expenditures	
DIGITAL ARTEFACTS, LLC	20124041 (1R4MH099964-01)	10 212	(698)	
MAXENTRIC TECHNOLOGIES LLC	T11.01-9737 (NNX14CG59C)	10 212	103,015	
NOVAFLORA INC.	201121204	10 212	17,688	
US DEPARTMENT OF THE INTERIOR/MISCELLANEOUS AGENCIES	120833001	10 215	145,213	
UTAH STATE UNIVERSITY	130676001	10 215	77,776	
UTAH STATE UNIVERSITY	130676024	10 215	2,273	
UTAH STATE UNIVERSITY	Utah State 12083306	10 215	5,904	
UTAH STATE UNIVERSITY	Utah State 120833004	10 215	5,074	
UTAH STATE UNIVERSITY	UTAH ST 1100892007 SHENNAN 2/16	10 215	3,454	
UTAH STATE UNIVERSITY	A001880S001	10 215	7,898	
PURDUE UNIVERSITY	PURDUE UNIVERSITY-800067575	10 217	10,542	
PURDUE UNIVERSITY	UCD2014G36	10 217	718	
COLUMBIA UNIVERSITY	1(GG009382)	10 250	15,966	
IOWA STATE UNIVERSITY	58-3000-1-0046	10 250	14,544	
JOHNS HOPKINS UNIVERSITY	JHU 2003005239 DINAR 7/17	10 250	5,003	
UNIVERSITY OF KENTUCKY/UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3048111062-14-168	10 250	20,903	
UNIVERSITY OF KENTUCKY/UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3048111062-14-169	10 250	28,869	
UNIVERSITY OF MARYLAND	A16-0574-001	10 250	17,007	
UNIVERSITY OF OREGON	Sub 2407VOA (58-5000-1-0050)	10 250	6,362	
UNIVERSITY OF KENTUCKY CENTER FOR POVERTY RESEARCH	3048110944-16-034	10 253	9,994	
UNIVERSITY OF KENTUCKY/UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3048110944-15-202	10 253	19,441	
OREGON STATE UNIVERSITY	OREGON STATE UNIVERSITY-C0477A-B	10 303	26,611	
UNIVERSITY OF GEORGIA	RC293636/S000870	10 307	136	
WASHINGTON STATE UNIVERSITY	007902	10 307	15,465	
UNIVERSITY OF GEORGIA	RR722-418/5054566	10 308	816	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FOOD-SCB15	10 309	51,331	
CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.	006137	10 309	126,289	
CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.	13002NU781	10 309	251,801	16,174
CLEMSON UNIVERSITY	20145118122372	10 309	87,491	
CLEMSON UNIVERSITY	CALIFORNIA DEPARTMENT O-1759-207-20	10 309	36,551	
CORNELL UNIVERSITY	7640110608	10 309	139,500	
KANSAS STATE UNIVERSITY	S15193	10 309	62,162	
MICHIGAN STATE UNIVERSITY	2014-51181-22378	10 309	15,964	
MICHIGAN STATE UNIVERSITY	RC102039H	10 309	15,216	
MICHIGAN STATE UNIVERSITY	RC102039I	10 309	381,327	
NEW MEXICO CONSORTIUM, INC.	NMCI NMC20150383.02 ROOSE 1/18	10 309	12,508	
NORTH CAROLINA STATE UNIVERSITY	2016022807	10 309	59,754	
UNIVERSITY OF ARKANSAS, FAYETTEVILLE	UAAES9111101	10 309	7,120	
UNIVERSITY OF FLORIDA	UFDSP00011008	10 309	23,763	
UNIVERSITY OF MARYLAND	Z546704	10 309	567,622	
CALIFORNIA HEALTH AND WELFARE/MISCELLANEOUS AGENCIES	UNIVERSITY OF MARYLAND-ADVANCE	10 310	(10,236)	
COLORADO STATE UNIVERSITY	20146800621842	10 310	17,492	
COLORADO STATE UNIVERSITY	G-9191-1	10 310	27,235	
DESERT BOTANICAL GARDEN	UCSB 03012015	10 310	96,905	
ILLINOIS INSTITUTE OF TECHNOLOGY	SA542-0127-8756-CYC1	10 310	52,856	

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KANSAS STATE UNIVERSITY	S12256	10 310		74,660	
KANSAS STATE UNIVERSITY	S16114	10 310		14,035	
LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE	87460	10 310		57,106	
NORTH CAROLINA STATE UNIVERSITY	NORTH CAROLINA STATE UNIVERSIT-ADVA	10 310		23,985	
NORTH DAKOTA UNIVERSITY SYSTEM	FAR0022074	10 310		51,493	
OREGON STATE UNIVERSITY	C0471A-B	10 310		87,913	
OREGON STATE UNIVERSITY	C0486A-B	10 310		11,772	
PENNSYLVANIA STATE UNIVERSITY	PENN CLIMATE CHNG WESTERLING 8/16 4	10 310		20,441	
PURDUE UNIVERSITY	12-67017-30159	10 310		14,307	
PURDUE UNIVERSITY	20146701721831	10 310		54,575	
RECOMBINETICS, INC	201403217	10 310		40,739	
TEXAS A&M UNIVERSITY - COLLEGE STATION	S110075	10 310		341,220	
TEXAS A&M UNIVERSITY - COLLEGE STATION	S150693	10 310		41,298	
UNIVERSITY OF FLORIDA	UFDSP00010608-cyc1	10 310		437	
UNIVERSITY OF GEORGIA	UNIVERSITY OF GEORGIA-RC398-139/S00	10 310		8,313	
UNIVERSITY OF ILLINOIS	007414	10 310		12,713	
UNIVERSITY OF MARYLAND	32470Z5768002	10 310		280	
UNIVERSITY OF MARYLAND	33587Z5763001	10 310		117,202	
UNIVERSITY OF MINNESOTA	H004373401	10 310		47,380	
UNIVERSITY OF MISSOURI	U MISSOURI MKT IMPACT CAMPBELL 8/16	10 310		31,612	
UNIVERSITY OF MISSOURI	C000292561	10 310		8,666	
UNIVERSITY OF NEBRASKA	25-0511-0110-002	10 310		28,967	
UNIVERSITY OF WASHINGTON	727152	10 310		563,820	50,842
UNIVERSITY OF WYOMING	1001061A	10 310		58,597	
WASHINGTON STATE UNIVERSITY	115320 G002931	10 310		29,600	
WASHINGTON STATE UNIVERSITY	123791G003453	10 310		47,584	
UNIVERSITY OF ARIZONA	007394	10 329		18,112	
UNIVERSITY OF ARIZONA	UNIVERSITY OF ARIZONA-316302	10 330		144	
UTAH STATE UNIVERSITY	120834004	10 500		10,299	
UTAH STATE UNIVERSITY	UTAH STATE UNIVERSIT-130677008	10 500		42,168	
WASHINGTON STATE UNIVERSITY	108815G003426	10 500		43,012	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	8075SC	10 557		11,024	
CALIFORNIA DEPARTMENT OF EDUCATION	CALIFORNIA DEPARTMENT OF EDU-CA-CN15	10 560		398,429	
CALIFORNIA DEPARTMENT OF HEALTH CARE SERVICES	15-92188	10 561		595,880	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1210111	10 561		27,385	
SAN DIEGO COUNTY	SUB 543298 (NONE)	10 561		1,868,716	
WESTAT	WESTAT-8967.02-S03	10 585		14,146	
WESTAT	WESTAT-8967.03-S03	10 585		6,341	
WESTAT	WESTAT-8967.01-S05	10 585		23,439	
BAYLOR COLLEGE OF MEDICINE	101854810	10 586		26,756	24,083
BAYLOR COLLEGE OF MEDICINE	BAYLOR COLLEGE OF MEDICINE-10220909	10 586		5,294	
BAYLOR COLLEGE OF MEDICINE	WICNEI12TX	10 586		116,711	
ADMINISTRATIVE COMMITTEE FOR PISTACHIOS	ADMINISTRATIVE COMMITTEE FO-2015031	10 604		72,600	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	008095	10 604		20,525	
CITRUS RESEARCH PROGRAM	007294	10 604		24,082	

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal CFDA Number		FY 2016	
				Total Federal Expenditures	Pass-Through to Subrecipients
CITRUS RESEARCH PROGRAM	007295	10	604	108,484	
CITRUS RESEARCH PROGRAM	007797	10	604	71,345	
CITRUS RESEARCH PROGRAM	5000005	10	604	19	
CITRUS RESEARCH PROGRAM	5050010B	10	604	91,115	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB15051	10	612	19,729	
CALIFORNIA STRAWBERRY NURSERYMEN ASSOCIATION	201500492	10	612	60,900	
OHIO STATE UNIVERSITY	S0049674	10	680	7,600	
TAHOE RESOURCE CONSERVATION DISTRICT	201302654	10	690	25,561	
TAHOE RESOURCE CONSERVATION DISTRICT	201401003	10	690	9,967	
THE XERCES SOCIETY	034409	10	912	74,710	
THE XERCES SOCIETY	201223562	10	912	39,867	
ALMOND BOARD OF CALIFORNIA	ALMOND BOARD OF CALIFORNIA-LH 13-02	10	UNKNOWN	(15)	
ALMOND BOARD OF CALIFORNIA	ALMOND BOARD OF CALIFORNIA-SCB15041	10	UNKNOWN	26,248	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	120444SA	10	UNKNOWN	19,341	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMENT OF FOOD-SCB14	10	UNKNOWN	18,205	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CAL FOO-14-0383-KENT DA-12/14	10	UNKNOWN	(33)	
CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION	007127	10	UNKNOWN	97,541	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	AA CA DHS08-85181	10	UNKNOWN	514	
CALIFORNIA STATE UNIVERSITY, FRESNO FOUNDATION	CA STATE UNIV, FRESNO; 11-1-007-13	10	UNKNOWN	2,475	
CLEMSON UNIVERSITY	18322152021022	10	UNKNOWN	2,987	
HUMMINGBIRD MONITORING NETWORK	201502980	10	UNKNOWN	5,000	
KANSAS STATE UNIVERSITY	S15181	10	UNKNOWN	2,693	
OAK RIDGE NATIONAL LABORATORY	005934	10	UNKNOWN	113,231	
PUBLIC HEALTH INSTITUTE	PUBLIC HEALTH INSTITUTE-1019880	10	UNKNOWN	6	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	2004CA001	10	UNKNOWN	808	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	RUTGERS UNIV IR-4; 2004CA001	10	UNKNOWN	925	
TEXAS A&M RESEARCH FOUNDATION	TEXAS A&M RESEARCH FOUNDATION-20122	10	UNKNOWN	211	
UNIVERSITY OF FLORIDA	PRIVATE RESTRICTED GRANTS FFT SUMMA	10	UNKNOWN	1,398	
UNIVERSITY OF MINNESOTA	Advance Account	10	UNKNOWN	26,703	
UNIVERSITY OF NEBRASKA	25623902350306	10	UNKNOWN	99,854	
CALIFORNIA DEPARTMENT OF FINANCE	STATE GOV'T FFT SUMMARY FUND	10	UNKNOWN	197,763	
DAVIS, CITY OF	LOCAL GOV'T FFT SUMMARY	10	UNKNOWN	3,210	
UNIVERSITY OF FLORIDA	59996	10	UNKNOWN	11,764	
Subtotal Pass-Through and Partial Pass-Through Awards				15,022,720	977,806
Total Department of Agriculture				70,701,696	13,569,859
DEPARTMENT OF COMMERCE					
Direct Awards	Various	11	RD	32,241,553	2,174,953
Pass-Through and Partial Pass-Through					
NATIONAL MARINE SANCTUARY FOUNDATION	20142599	11	011	11,552	
MONTEREY BAY AQUARIUM RESEARCH INSTITUTE	1111340	11	012	353,270	
MONTEREY BAY AQUARIUM RESEARCH INSTITUTE	A00-1096-009	11	012	115,647	
MONTEREY BAY AQUARIUM RESEARCH INSTITUTE	PO-1111249:07	11	012	28,093	
SOUTHERN CALIFORNIA COASTAL WATER RESEARCH PROJECT	10050	11	012	37,585	
UNIVERSITY OF WASHINGTON	762824	11	012	50,909	

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		Federal CFDA Number	Federal		
UNIVERSITY OF WASHINGTON	763223	11	012	55,881	
SOUTHEASTERN UNIVERSITY'S RESEARCH ASSOCIATION	2013-013-001	11	012	58,083	
UNIVERSITY OF SOUTHERN CALIFORNIA	007747	11	307	48,493	
PEPPERDINE UNIVERSITY	SB150118	11	417	11,900	
UNIVERSITY OF SOUTHERN CALIFORNIA	47674072:2	11	417	12,119	
UNIVERSITY OF SOUTHERN CALIFORNIA	61207738	11	417	53,573	
UNIVERSITY OF SOUTHERN CALIFORNIA	61207777	11	417	41,061	
CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	CSU, SAN FRANCISCO STATE UNIVE S11-	11	419	(1,047)	
SONOMA COUNTY WATER AGENCY	SONOMA COUNTY WATER AGENCY-SCWA 141	11	419	25,105	
GLOBAL SCIENCES & TECHNOLOGY, INC.	SA14-UOC01-006-001-cyc2	11	431	82,671	
ECS FEDERAL, INC	209023	11	432	60,000	
NORTH CAROLINA STATE UNIVERSITY	2014-2918-03-cyc1	11	432	136,432	
UNIVERSITY OF SOUTHERN CALIFORNIA	53335748	11	432	30,066	
UNIVERSITY OF WASHINGTON	PO764680	11	432	16,142	
PACIFIC STATES MARINE FISHERIES COMMISSION	1618G	11	437	425	
PACIFIC STATES MARINE FISHERIES COMMISSION	1629G	11	437	30,174	
NORTH PACIFIC RESEARCH BOARD	A16-0378-001	11	439	40,548	
NORTH CAROLINA STATE UNIVERSITY	F/NC ST 2009-1380-01 SOROSHIAN J535	11	440	691	
TEXAS A&M UNIVERSITY - COLLEGE STATION	15-04	11	452	(113)	
SONOMA COUNTY WATER AGENCY	TW 1415-102	11	463	17,657	
NATIONAL FISH AND WILDLIFE FOUNDATION	NFWF 300214046675 RAIMONDI 1/18	11	463	91,690	
UNIVERSITY OF CONNECTICUT	85234	11	468	17,628	
ATLANTIC STATES MARINE FISHERIES COMMISSION	15-0102	11	469	41,369	
ATLANTIC STATES MARINE FISHERIES COMMISSION	ASMFC 150105 PALKOVACS 12/16	11	469	33,196	
CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	P1570004	11	472	303,659	
NATURE CONSERVANCY	SB150073	11	472	125,085	24
NORTH PACIFIC RESEARCH BOARD	1303	11	472	21,437	
NORTH PACIFIC RESEARCH BOARD	1406	11	472	99,161	
NORTH PACIFIC RESEARCH BOARD	1408	11	472	24,191	
NORTH PACIFIC RESEARCH BOARD	1416	11	472	65,210	
PRINCE WILLIAM SOUND SCIENCE CENTER	12-81-01	11	472	360,949	
H.T. HARVEY & ASSOCIATES ECOLOGICAL CONSULTANTS	A15-0207-001	11	472	50,838	
NATIONAL FISH AND WILDLIFE FOUNDATION	Sub 9916.14.046701 (none)	11	473	2,436	
APPLIED TECHNOLOGY COUNCIL	1061-24-770 (SB1341-13-CQ-000	11	609	8,355	
APPLIED TECHNOLOGY COUNCIL	HRP-TO 32.01 (SB134107CQ00019)	11	609	3,074	
IOWA STATE UNIVERSITY	426-17-02B-cyc1	11	619	249,530	
COUNTY OF SONOMA	1415039	11	UNKNOWN	194	
SPECTRAL SCIENCES, INC.	F/FIBRWRAP FC-47470 FENG 06/15	11	UNKNOWN	3,072	
Subtotal Pass-Through and Partial Pass-Through Awards				2,817,991	24
Total Department of Commerce				35,059,544	2,174,977
DEPARTMENT OF DEFENSE					
Direct Awards					
DEPARTMENT OF AIR FORCE	Various	12	RD	33,281,376	8,227,851
DEPARTMENT OF ARMY	Various	12	RD	81,249,030	17,554,788

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal CFDA Number		FY 2016	
				Total Federal Expenditures	Pass-Through to Subrecipients
DEPARTMENT OF NAVY	Various	12	RD	85,647,056	10,504,381
SEPARATE AGENCIES	Various	12	RD	48,558,681	9,748,362
Subtotal Direct Awards				248,736,143	46,035,382
Pass-Through and Partial Pass-Through					
LUNA INNOVATIONS INCORPORATED	007882	12	001	81,718	
DCS CORPORATION	APX03-S012 Task Order 0014	12	114	632,494	
MORTON PHOTONICS	MORTON PHOTONICS(DOD)BOWERS515	12	114	(1,087)	
PHYSICAL OPTICS CORPORATION	SB150124	12	114	226,290	
WESTON SOLUTIONS, INC.	ROY WESTON(DOD/FP) HERBST 1215	12	114	106,250	
CALIFORNIA PARKS AND RECREATION, DEPARTMENT OF	C1370032	12	114	811,257	
BROWN UNIVERSITY	00000502	12	300	129,387	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	SA0000447	12	300	2,801	
CARNEGIE MELLON UNIVERSITY	1141221-320624	12	300	42,045	
CHARLES RIVER ANALYTICS	SC1315901	12	300	369,206	59,200
COLUMBIA UNIVERSITY	Sub 1(GG012351) N00014-15-1-26	12	300	6,061	
CORNELL UNIVERSITY	65291-9851	12	300	(8,403)	
DUKE UNIVERSITY	09-ONR-1114	12	300	(87)	
DUKE UNIVERSITY	09-ONR-1115	12	300	76	
DUKE UNIVERSITY	13-ONR-1111	12	300	196,807	
DUKE UNIVERSITY	15-HDR-1018	12	300	5,326	
DUKE UNIVERSITY	383-8476	12	300	303,652	
DYNCORP SYSTEM AND SOLUTIONS	DSS DYN0212 MULCHANDANI 12/16	12	300	16,699	
FREEDOM PHOTONICS LLC	SB150098	12	300	158,403	
GENERAL ENGINEERING & RESEARCH, LLC	Sub 20125266 (N00173-14-1-G016	12	300	131,080	
GEORGIA INSTITUTE OF TECHNOLOGY	RE023-G2	12	300	26,935	
GEORGIA INSTITUTE OF TECHNOLOGY	RE866-G1	12	300	512,388	
GEORGIA STATE UNIVERSITY	SP00011356-03	12	300	168,993	
HIGH-TEST LABORATORIES, INC.	SUB 2103-001 (NONE)	12	300	136,383	
IRIS TECHNOLOGY	Sub 20150789 (none)	12	300	8,878	
JOHNS HOPKINS UNIVERSITY	2002694585	12	300	118,522	
LEHIGH UNIVERSITY	42549-78002 (N00014-11-1-0678)	12	300	225,524	
LEIDOS, INC.	DOD/SAIC SUB 20120748 MC CUTCHAN 54	12	300	185	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710002646	12	300	201,987	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710002996	12	300	274,817	
NEW YORK UNIVERSITY	F7112-01:04	12	300	114,152	
NOKIA USA INC.	033983	12	300	386,555	
NORTH CAROLINA STATE UNIVERSITY	SUB 2015-1959-03 (N00014-15-1-	12	300	583,198	
NORTHEASTERN UNIVERSITY	503340-78050	12	300	(2,230)	
NORTHWESTERN UNIVERSITY	SP0028970-PROJ0007989:1	12	300	250,665	
OBJECTVIDEO, INC.	FINDER-7212-UCB-090113	12	300	237,079	
PALO ALTO RESEARCH CENTER	PALO ALTO RESEARCH CENTER WANG 8917	12	300	450	
QUANTITATIVE MORPHOLOGY CONSULTING	QMC 2012-FEB-1-3000(ONR)KRYSL	12	300	3,672	
QUANTITATIVE MORPHOLOGY CONSULTING	Sub 2013-Nov-27-3001 (NONE)	12	300	648	
QUANTITATIVE MORPHOLOGY CONSULTING	Sub 2015-5001 (N00014-12-1-051	12	300	45,298	
QUESTEK INNOVATIONS LLC	1092	12	300	95,577	

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
QUINSTAR TECHNOLOGY, INC	48032	12 300	9,799	
ROI DEFENSE ASSOCIATES LLC	TA 150303 (N00178-05-D-4538 D.	12 300	5,942	
ROI DEFENSE ASSOCIATES LLC	TA 150601 (N00178-05-D-4538 D.	12 300	25,496	
STANFORD UNIVERSITY	091-50618-A (N00014-11-1-0276)	12 300	1,928	
STANFORD UNIVERSITY	60744755-114407-UCB	12 300	343,285	
THE TEXAS A&M UNIVERSITY SYSTEM	C2411	12 300	30,501	
TOYON RESEARCH CORPORATION	SC14-6913-1	12 300	18,402	
TOYON RESEARCH CORPORATION	SC16-5968-1	12 300	39,538	
UNIVERSITY OF ARIZONA	007825	12 300	22,989	
UNIVERSITY OF ARIZONA	200257	12 300	141,152	
UNIVERSITY OF ARIZONA	206874	12 300	238,859	
UNIVERSITY OF ARIZONA	217733	12 300	172,986	
UNIVERSITY OF ARIZONA	SUB 261548 (12595 G NA1140)	12 300	19,919	
UNIVERSITY OF CINCINNATI	009725-002	12 300	75,338	
UNIVERSITY OF COLORADO DENVER	FY15.530.001-CYC1	12 300	152,849	
UNIVERSITY OF HAWAII AT MANOA	MA140030	12 300	25,726	
UNIVERSITY OF MARYLAND	ZB160002	12 300	247,478	
UNIVERSITY OF MASSACHUSETTS AMHERST	14270-UCSB	12 300	3,235	
UNIVERSITY OF MICHIGAN	3003005562	12 300	81,007	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Sub 5103081 (N00014-15-1-2578)	12 300	18,470	
UNIVERSITY OF NOTRE DAME (INCL GEM)	201839	12 300	175,914	
UNIVERSITY OF PENNSYLVANIA	559918	12 300	94,548	
UNIVERSITY OF PITTSBURGH	0035700 (409185-2)	12 300	91,689	
UNIVERSITY OF SOUTHERN CALIFORNIA	158857:10	12 300	270,088	
UNIVERSITY OF SOUTHERN CALIFORNIA	158860-cyc11	12 300	155,801	
UNIVERSITY OF TEXAS-AUSTIN	UTA11-000572	12 300	89,869	
UNIVERSITY OF VIRGINIA	GG11764 146901-cyc1	12 300	282,662	
UNIVERSITY OF VIRGINIA	GG11821 148033:01	12 300	68,345	
UNIVERSITY OF WASHINGTON	UWSC8184	12 300	10,674	
UNIVERSITY OF WISCONSIN-MADISON	590K122	12 300	106,851	
VALITOR, INC.	UCSF #A121908	12 300	212,539	
WOODS HOLE OCEANOGRAPHIC INSTITUTION	SUB NONE (A100749)	12 300	68,387	
LEIDOS, INC.	Sub 10163495 (N62645-14-C-4030	12 301	117,891	
SPACE MICRO, INC.	Sub P03994 (none)	12 335	43,265	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VETERANS MEDICAL RESEARCH FOUNDATIO	12 340	(303)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Acheson 304710 (N62645-11-	12 340	32,810	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA DELAROSA 316015 N62645-11-	12 340	11,552	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Nievergelt 304782 (N62645-	12 340	20,664	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Powell 312732 (N62645-11-C	12 340	3,307	
LEIDOS, INC.	Sub PO1014827 (N62645-12-C-410	12 350	34,836	
METABIOTA, INC	201405DTRA	12 351	464,178	28,867
METABIOTA, INC	201406DTRA	12 351	166,158	(88,299)
QUANTITATIVE BIOSCIENCES, INC.	Sub none (HDTRA1-15-C-0064)	12 351	90,294	
TEMPLE UNIVERSITY	TEMPLE/USDOD CC0162875 HOUK 2/14 54	12 351	448	
UNIVERSITY OF MICHIGAN	3003629387	12 351	255,941	

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		Federal CFDA Number	Federal		
VANDERBILT UNIVERSITY	3044-018968	12	351	101,406	
WASHINGTON UNIVERSITY IN ST. LOUIS	Sub WU-15-309 (HDTRA11510032)	12	351	206,634	
LUNA INNOVATIONS INCORPORATED	3287-DPA-2S/UCl-cyc1	12	360	64,497	
AMERICAN BURN ASSOCIATION	201013674	12	420	45,780	
AMERICAN BURN ASSOCIATION	SUB NONE(W81XWH-10-1-0527)	12	420	39,087	
BANYAN BIOMARKERS	Sub ATO-06 (W81XWH-10-C-0251)	12	420	11,529	
BOSTON UNIVERSITY	450000823:004	12	420	547,611	
BRONX VETERANS MEDICAL RESEARCH FOUNDATION	W81XWH-13-1-0071	12	420	34,861	
CHILDREN'S HOSPITAL CORP. (THE), BOSTON, MASS.	CHC/USAMRAA 20102338 WU 9/15 54%	12	420	68,996	
CHILDREN'S NATIONAL MEDICAL CENTER	300013771201	12	420	37,578	
CHILDREN'S NATIONAL MEDICAL CENTER	CNMC/USARMY 63881101 SPENCER 8/13	12	420	(583)	
GENEVA FOUNDATION	201400882	12	420	6,094	
GENEVA FOUNDATION	S-1326-01:01	12	420	179,567	
GEORGETOWN UNIVERSITY	411790_GR402344-UCl-cyc1	12	420	55,103	
HARVARD UNIVERSITY	SUB 5060404 (W81XWH-12-2-0113)	12	420	110,567	
HENRY FORD HEALTH SYSTEM	W81XWH-15-1-0395	12	420	50,383	
HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE	2911	12	420	59,117	
HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE	823738	12	420	131,611	
JOHNS HOPKINS UNIVERSITY	125025	12	420	204,333	
JOHNS HOPKINS UNIVERSITY	2000851841	12	420	9,226	
JOHNS HOPKINS UNIVERSITY	2002397378	12	420	160,332	
JOHNS HOPKINS UNIVERSITY	2002431696	12	420	40	
JOHNS HOPKINS UNIVERSITY	METRC2	12	420	32,050	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B612254	12	420	23,482	
LOS ALAMOS NATIONAL SECURITY, LLC	217304-1	12	420	162,596	
MASSACHUSETTS GENERAL HOSPITAL	223328-cyc2	12	420	40,804	
MEDICAL COLLEGE OF WISCONSIN	20153757	12	420	209,237	
MEDICAL COLLEGE OF WISCONSIN	A125339	12	420	71,910	
NATIONAL TRAUMA INSTITUTE	NATIONAL TRAUMA INSTITUTE NTI-NCH-1	12	420	(16,016)	
NATIONAL TRAUMA INSTITUTE	NTI-JWMP-201501	12	420	6,681	
NATIONAL TRAUMA INSTITUTE	NTI-NTRR15-05	12	420	4,389	
NATIONAL TRAUMA INSTITUTE	Sub NTI-JWMP-201502(W81XWH-15	12	420	24,641	
NEW YORK UNIVERSITY	11-01935	12	420	76,141	
NEW YORK UNIVERSITY	13-A0-00-001212	12	420	59,617	
NEW YORK UNIVERSITY	10-00904; PROJ#01094 WOLKOWITZ	12	420	(17,287)	
NEW YORK UNIVERSITY SCHOOL OF MEDICINE	F/NYU 12-01517 PIOMELLI J54.5 4/15	12	420	(983)	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	1810	12	420	11,019	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	1812	12	420	14,760	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	NCIRE/USARMY 1681 TOGA 2/14 54%	12	420	440	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	SUB 1809 (W81XWH-13-1-0259)	12	420	341,319	227,656
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	Sub WEI1872-01 (W81XWH-14-1-04	12	420	23,500	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	WEI1872-02	12	420	119,041	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	WEI187205094728	12	420	4,909	
NORTHWESTERN UNIVERSITY	60038197 UCLA	12	420	108,961	
PACIFIC HEALTH RESEARCH AND EDUCATION INSTITUTE	Sub PHREI-21501-01(W81XWH-15-1	12	420	18,682	

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PELAGIQUE, LLC	W81XWH	12 420	178,633
PURDUE UNIVERSITY	4104-64057	12 420	112,113
QR PHARMA, INC	W81XWH-13-2-0092	12 420	(1,308)
RESEARCH FOUNDATION FOR MENTAL HYGIENE	26001	12 420	3,578
STANFORD UNIVERSITY	60920976-113110-cyc1	12 420	(104)
STANFORD UNIVERSITY	61112906-117345	12 420	71,594
TERUMO CORPORATION	W81XWH-13-C-0160	12 420	71,529
THE GAIA MEDICAL INSTITUTE LLC	ARMY/GAIA MED MEHTA 54.5	12 420	(60,512)
UNIVERSITY OF MIAMI	661699 (W81XWH-13-1-0048)	12 420	2,171
UNIVERSITY OF MICHIGAN	3003219081:1	12 420	164,214
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	UTEXAS HOUSTON W81XWH1110240 WU 09/	12 420	(974)
UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON	15-017	12 420	27,837
UNIVERSITY OF TEXAS-M.D. ANDERSON CANCER CENTER	00002240	12 420	12,118
UPMC	0042249 (410500) (W81XWH-14-10	12 420	136,962
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/ARMY 297641 WETHERELL 9/11	12 420	(1,418)
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/ARMY 303175 LOHR 8/12	12 420	(82)
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	GERS 312265 (W81XWH-11-1-0641)	12 420	16,307
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	LANG 312619 (W81XWH-10-1-0657)	12 420	41,605
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA ADV ALLARD (W81XWH-15-1-03	12 420	11,431
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA ADV GOLSHAN W81XWH-15-1-03	12 420	31,829
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA ADV LANG (W81XWH-15-1-0330	12 420	18,256
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA ADV NORMAN (W81XWH-15-1-03	12 420	26,058
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Dowling 308699 V-SUBVMRF-1	12 420	17,749
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA JAK (W81XWH-11-1-0641)	12 420	9,149
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA LIU 312752 (W81XWH-12-1-06	12 420	3,450
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA MILLS 312913 (W81XWH-12-1	12 420	20,287
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Minassian 314699 (W81XWH-1	12 420	1,555
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA NIEVERGELT 314698 W81XWH-1	12 420	12,476
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA RIEDL 313178 08842001(W81X	12 420	13,218
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Robinson 298029 (W81XWH-10	12 420	20,340
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Rodgers 301910 (W81XWH-10-	12 420	7,313
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA ZURAW 313179 W81XWH-14-050	12 420	60,373
WAKE FOREST UNIVERSITY	WFOHS 441005B GU-05	12 420	128,753
WAKE FOREST UNIVERSITY	WFOHS 441042 CTA-12	12 420	250,145
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-14-294 (W81XWH-13-1-0094)	12 420	9,148
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	1814	12 420	587
UNIVERSITY OF PUERTO RICO	2013201401	12 421	39,327
ACADEMY OF APPLIED SCIENCE	14-32	12 431	4,969
BROWN UNIVERSITY	Sub 00000820 (W911NF-15-2-0122	12 431	19,962
CALIFORNIA STATE UNIVERSITY, NORTHRIDGE	F-14-3462UCLA:2	12 431	178,547
CARNEGIE MELLON UNIVERSITY	1990360-350166	12 431	77,003
CASE WESTERN RESERVE UNIVERSITY	RES509887	12 431	29,620
COLORADO STATE UNIVERSITY	G-33024-1-CYC1	12 431	75,564
CORNELL UNIVERSITY	76091-10531	12 431	260,826
DCS CORPORATION	None (W911NF-10-2-0022)	12 431	835,328

The accompanying notes are an integral part of this schedule.

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				Total Federal Expenditures	Pass-Through to Subrecipients
DUKE UNIVERSITY	10-ARO-1049	12	431	110,106	
DUKE UNIVERSITY	313-0590-cyc1	12	431	136,544	
FLEXTECH ALLIANCE	RFP13-161	12	431	5,279	3,362
GALOIS INC	2015-001-cyc1	12	431	587,092	
GALOIS INC	2015-001-cyc5	12	431	35,331	
HARVARD UNIVERSITY	152295.5082220.0002	12	431	382,954	
LEHIGH UNIVERSITY	543152-78001	12	431	78,792	
MAXENTRIC TECHNOLOGIES LLC	Sub 3904-1 (W911QX-14-C-0060)	12	431	16,636	
METRO ENGINEERING AND SURVEYING CO., INC.	Sub 20143976 (W91278-09-D-0049)	12	431	15,656	
NORTHWESTERN UNIVERSITY	SP0034999-PROJ0009384	12	431	1,228	
OHIO STATE UNIVERSITY	60043375/RF01358012.03	12	431	134,004	
PRINCETON UNIVERSITY	00002082	12	431	98,327	
RICE UNIVERSITY	R16545:10	12	431	(157)	
SOUTHERN METHODIST UNIVERSITY	ARMY/SMU-UNI AK AS108 PINON BERGER	12	431	(8)	
STANFORD UNIVERSITY	60284806-107307-C	12	431	344,462	
TDA RESEARCH, INC.	TDA RESEARCH, INC.	12	431	314	
THE GAIA MEDICAL INSTITUTE LLC	UB 20140528 (W81XWH-13-C-0225)	12	431	8,068	
TOYON RESEARCH CORPORATION	SC16-6970-1	12	431	13,510	
TRANSLUME INC	20152538	12	431	69,999	
UNIVERSITY OF ALASKA	ARMY/UNI ALASKA UAF09-0027 HEDLIN	12	431	(757)	
UNIVERSITY OF CHICAGO	FP057787-C	12	431	4,772	
UNIVERSITY OF ILLINOIS	Sub 2015-05174-03 (W911NF-15-1	12	431	114,066	
UNIVERSITY OF MASSACHUSETTS AMHERST	16-008956 B 00 (W911NF-15-1-05	12	431	417,523	
UNIVERSITY OF MICHIGAN	3001996186	12	431	224,924	
UNIVERSITY OF MICHIGAN	3001996235:7	12	431	203,388	
UNIVERSITY OF MICHIGAN	Sub 3002677619 (W911NF-11-1-03	12	431	42,793	
UNIVERSITY OF MISSOURI	C00045065-2	12	431	42,364	
UNIVERSITY OF MISSOURI	C00045065-3	12	431	140,096	
UNIVERSITY OF NEW MEXICO	433505-873R	12	431	241,512	
UNIVERSITY OF SOUTHERN CALIFORNIA	005522	12	431	55,443	
UNIVERSITY OF TEXAS-AUSTIN	UTA14-000975	12	431	47,961	
LEMON GROVE SCHOOL DISTRICT	B 20134296 (DOD DEPENDENT SCH)	12	556	7,447	
UNIVERSITY OF PITTSBURGH	0043845-1	12	561	178,028	
PERCEPTRONICS	PS-102689-CYC1	12	598	62,126	
HYPRES, INC.	20153278	12	615	13,829	
UNIVERSITY OF SOUTHERN CALIFORNIA	113597-1-cyc1	12	617	858	
ACADEMY OF APPLIED SCIENCE	AAS-201118-CYC1	12	630	1,053	
ACADEMY OF APPLIED SCIENCE	AAS-203759-cyc1	12	630	11,942	
ACADEMY OF APPLIED SCIENCE	AAS-203763-cyc1	12	630	5,862	
JOHNS HOPKINS UNIVERSITY	2001561731	12	630	50,218	
PENNSYLVANIA STATE UNIVERSITY	006576	12	630	262,008	
PENNSYLVANIA STATE UNIVERSITY	4957UCDARMY0045	12	630	658,492	
RAYTHEON BBN TECHNOLOGIES CORP.	W911NF-09-2-0053	12	630	862,224	
SYSTEM OF SYSTEMS SECURITY CONSORTIUM	Sub 1006-15-1-3 (W15QKN-12-9-1	12	630	228,428	
THE RESEARCH CORPORATION OF THE UNIVERSITY OF HAWAII	Z10086536	12	630	136,422	

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TULANE UNIVERSITY	TUL-SCC-553849-15/16	12	630	94,499	
UNIVERSITY OF IDAHO	GWK514SB001	12	630	1,596	
HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE	2942	12	750	5,424,986	
HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE	Sub 2880/837344 (HU0001-15-2-0	12	750	295,830	
AKRON, UNIVERSITY OF	UCSB-02561	12	800	123,171	
APOGEE RESEARCH LLC	201802-cyc1	12	800	187,257	
APOGEE RESEARCH LLC	201802-cyc5	12	800	3,166	
BAE SYSTEMS (GREAT BRITAIN)	316063	12	800	466,083	
BINGHAMTON UNIVERSITY	72611	12	800	121,679	
BOSTON COLLEGE	5001828-1:02	12	800	19,954	
BROWN UNIVERSITY	00000552	12	800	79,937	
CALIFORNIA INSTITUTE OF TECHNOLOGY	52-1092313:05	12	800	264,066	
CARBON TECHNOLOGY, INC.	CTI-202542-cyc1	12	800	50,000	
CARNEGIE MELLON UNIVERSITY	1150107-284354-GRUNBAUM-03/15	12	800	(15)	
CENTER FOR SCIENTIFIC RESEARCH AND HIGHER EDUCATION AT ENSENADA	007806	12	800	24,706	
CFD RESEARCH CORPORATION	A15-0065	12	800	133,065	
CHEMAT TECHNOLOGY, INC.	UB 20132452 (FA9453-13-C-0113)	12	800	66,632	
FLORIDA TURBINE TECHNOLOGIES, INC.	FTT160403	12	800	8,952	
GEORGE MASON UNIVERSITY	E203722-1-cyc1	12	800	19,778	
GEORGIA INSTITUTE OF TECHNOLOGY	RB267-G4	12	800	284,175	
GEORGIA INSTITUTE OF TECHNOLOGY	RB267-G5	12	800	72,978	
HARVARD UNIVERSITY	AFOSR/HARVARD 123572 DEHEYN	12	800	30	
HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE	2888	12	800	1,355	
HYPRES, INC.	HYPRES, INC./ DYNES	12	800	(30,768)	
JOHNS HOPKINS UNIVERSITY	2001622119	12	800	179,958	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003664	12	800	446,298	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	7000289513	12	800	371,062	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	7000298543 (FA8721-05-C-0002)	12	800	52,658	
MAXENTRIC TECHNOLOGIES LLC	UCSD-4302-1 (FA8750-13-C-0182)	12	800	(674)	
METRO LASER	UCI23WP32-cyc1	12	800	484	
MICROXACT INCORPORATED	MICROXACT (DOD/FP) 0101AFOCLSD	12	800	158	
MORTON PHOTONICS	MP-UCSB-03	12	800	177,109	
MORTON PHOTONICS	MP-UCSB-04	12	800	39,510	
NORTHWESTERN UNIVERSITY	Sub SP0032777-PROJ0008738 (FA	12	800	192,494	
PRINCETON UNIVERSITY	Sub 00001661 (FA9550-09-1-0314	12	800	(2,391)	
RICE UNIVERSITY	007847	12	800	113,025	
RICE UNIVERSITY	R18641	12	800	137,266	
STANFORD UNIVERSITY	20142401	12	800	52,044	
STANFORD UNIVERSITY	29017650-51649-B	12	800	140,839	
STANFORD UNIVERSITY	29182280-51677-C	12	800	353,401	
STANFORD UNIVERSITY	SUB 61137538-120278 (FA9550-16	12	800	24,385	
STATE UNIVERSITY OF NEW YORK	SUNY (DOD)(RAS) Bowers 7/16	12	800	179,291	
STATE UNIVERSITY OF NEW YORK	SB160126-0001	12	800	143,455	
STATE UNIVERSITY OF NEW YORK	SB160126-0003	12	800	234,365	
STATE UNIVERSITY OF NEW YORK	SB160126-0004	12	800	151,621	

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STATE UNIVERSITY OF NEW YORK	SB160126-0005	12 800	60,892	
STATE UNIVERSITY OF NEW YORK	SB160126-0007	12 800	71,049	
STATE UNIVERSITY OF NEW YORK	SB160126-A	12 800	469,004	
TECHNOLOGY ASSESSMENT AND TRANSFER, INC.	TECHASSESS(AF/FP)6068-01 CLSD	12 800	16,765	
UNITED TECHNOLOGIES CORP	UTRC 1211215 - Task 1	12 800	73,154	
UNIVERSAL TECHNOLOGY CORPORATION	15790000507C1	12 800	59,788	
UNIVERSITY OF BATH	Sub none (FA8655-13-1-3056)	12 800	64,106	
UNIVERSITY OF CENTRAL FLORIDA	24086151-01	12 800	391,397	
UNIVERSITY OF ILLINOIS	2010-04904-03	12 800	169,885	
UNIVERSITY OF ILLINOIS	2012-02298-06 (A0080)	12 800	209,441	
UNIVERSITY OF ILLINOIS	2016-00973-01-cyc1	12 800	12	
UNIVERSITY OF MARYLAND	36954Z8165003	12 800	18,931	
UNIVERSITY OF MARYLAND	Z812401:B	12 800	96,331	
UNIVERSITY OF MARYLAND	Z8142001	12 800	103,486	
UNIVERSITY OF MICHIGAN	3001458737:8	12 800	(1,384)	
UNIVERSITY OF MICHIGAN	3003832475	12 800	31,813	
UNIVERSITY OF MICHIGAN	Sub 20124774(UNKNOWN)	12 800	395,242	
UNIVERSITY OF MINNESOTA	A004376801	12 800	66,746	
UNIVERSITY OF NEW MEXICO	271387-870D-cyc4	12 800	356,847	
UNIVERSITY OF PENNSYLVANIA	556016	12 800	547,111	
UNIVERSITY OF PENNSYLVANIA	Sub 561009 (FA9550-13-1-0097)	12 800	131,064	
UNIVERSITY OF PITTSBURGH	0019713 (406200-1)	12 800	377,547	
UNIVERSITY OF SAN DIEGO	PHYSS1165-U2012-002	12 800	2,732	
UNIVERSITY OF SOUTHERN CALIFORNIA	55231182-CYC1	12 800	94,744	
UNIVERSITY OF TEXAS SYSTEM	UTA14-001123	12 800	109,812	
UNIVERSITY OF TEXAS-AUSTIN	UTA12-000748	12 800	47,255	
UNIVERSITY OF UTAH	10029173-S3:02	12 800	75,516	
UNIVERSITY OF UTAH	10038423-S2	12 800	5,301	
UNIVERSITY OF WASHINGTON	SUB UWSC8748 (BPO10328)	12 800	81,710	
UNIVERSITY OF WISCONSIN-MADISON	580K742	12 800	16,681	
VIBRANT	784	12 800	143,541	
YALE UNIVERSITY	B C13L11586 (FA9550-13-1-0020)	12 800	134,699	
UNIVERSITY OF ARIZONA	217734	12 800	(2,188)	
UNIVERSITY OF WASHINGTON	A16-0323-001	12 800	42,833	
SCIENTIFIC SIMULATION SYSTEMS, INC.	1409-SC002/FA7000-14-2-0017	12 801	99,185	
ADVANCED BRAIN MONITORING, INC.	Sub 2013-1069 (W31P4Q-12-C-020)	12 910	36,416	
ARIZONA STATE UNIVERSITY/TEMPE	16-889-cyc1	12 910	573,471	
AURRION, LLC.	SB120043	12 910	332,162	
BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.	SUB 873470 (NONE)	12 910	186,327	
CARNEGIE MELLON UNIVERSITY	1150114-293600	12 910	159,654	
CHARLES RIVER ANALYTICS	SC1315902 (APPRIL)-CYC1	12 910	335,242	
COLUMBIA UNIVERSITY	3 (GG009550-05)	12 910	33,734	
GEORGE MASON UNIVERSITY	E2030921-cyc1	12 910	362,420	
HARVARD UNIVERSITY	Sub 152220.5094542.0003	12 910	170,932	
HEWLETT-PACKARD	HPL-MM-UCSB-0007-1	12 910	262,249	

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HONEYWELL, INC.	036983	12 910		94,632	
HRL LABORATORIES, LLC	10008-002328-CYC10	12 910		14,095	
HRL LABORATORIES, LLC	15041-160573-DS	12 910		31,313	
INTERNATIONAL BUSINESS MACHINES CORPORATION	Sub 4915012801 (W911NF-15-C-02)	12 910		49,488	
JOHNS HOPKINS UNIVERSITY	2001573675-cyc5	12 910		728	
LEIDOS, INC.	SAICP010097056(SPAWAR)CAUWENBERGHS	12 910		(10)	
LEIDOS, INC.	P010166985-cyc1	12 910		488,622	70,081
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003491	12 910		489,899	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003584	12 910		169,325	
MICROELECTRONICS ADVANCED RESEARCH CORPORATION	2013-MA-2386	12 910		5,815,683	3,258,505
MICROELECTRONICS ADVANCED RESEARCH CORPORATION	442580/2A-57125	12 910		164,160	
MORTON PHOTONICS	MP-UCSB-02	12 910		157,007	
NORTHEASTERN UNIVERSITY	505068-78050	12 910		527,402	
NORTHWESTERN UNIVERSITY	SP0020412PROJ0005157	12 910		111,193	
ORACLE CORPORATION	ORACLE CORP SUB US1440128 FAINMAN	12 910		1,939	
SLS GR LLC	A15-0023	12 910		157,687	
SRI INTERNATIONAL	119-000227	12 910		38,499	
SRI INTERNATIONAL	27-001455	12 910		78,991	
STANFORD UNIVERSITY	27917990-51987-B:5	12 910		10,435	
SUN MICROSYSTEMS LABORATORIES, INC.	DOD/SUN MICRO FAINMAN 54.5	12 910		6,020	
TELEDYNE TECHNOLOGIES, INC.	PO00099849	12 910		106,082	
TELEDYNE TECHNOLOGIES, INC.	PO00099889	12 910		78,387	
TELEDYNE TECHNOLOGIES, INC.	PO00118622	12 910		25,210	
UNIVERSITY OF COLORADO BOULDER	1553360 (N0014-15-1-2809)	12 910		47,490	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	1550652:6	12 910		220,217	
UNIVERSITY OF COPENHAGEN	W911NF-12-1-0354	12 910		29,296	
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL	WA00419007/OSP2016183	12 910		6,638	
UNIVERSITY OF MICHIGAN	3003469885	12 910		11,481	
UNIVERSITY OF MINNESOTA	006112	12 910		433,466	
UNIVERSITY OF MINNESOTA	A002069701:5	12 910		243,850	
UNIVERSITY OF NOTRE DAME (INCL GEM)	SB150081	12 910		321,959	
UNIVERSITY OF SOUTHERN CALIFORNIA	USC/USDOD 143315 DUNN 06/11 54%	12 910		(106)	
UNIVERSITY OF UTAH	10036982-UCI-cyc1	12 910		224,981	
UNIVERSITY OF UTAH	SUB 10038364-UCSD (N66001-15-2	12 910		10,127	
VANDERBILT UNIVERSITY	007905	12 910		119,860	
VANDERBILT UNIVERSITY	3128-019187	12 910		218,912	
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	450179-19097:02	12 910		194,401	113,895
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH	SUB 10-1798-9904(HR0011-14-2-0	12 910		731,572	
YALE UNIVERSITY	IROTS: INTEROPERABLE ROBUST OR	12 910		(8)	
BROWN UNIVERSITY	A16-0282-001	12 910		34,955	
MICROELECTRONICS ADVANCED RESEARCH CORPORATION	006094	12 910		201,077	
MICROELECTRONICS ADVANCED RESEARCH CORPORATION	006096	12 910		240,710	
MICROELECTRONICS ADVANCED RESEARCH CORPORATION	006098	12 910		166,370	
MICROELECTRONICS ADVANCED RESEARCH CORPORATION	006101	12 910		103,331	
MICROELECTRONICS ADVANCED RESEARCH CORPORATION	006111	12 910		272,292	

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UNIVERSITY OF NOTRE DAME (INCL GEM)	202092-UCB LEAST	12 910	238,600	
AMERICAN BURN ASSOCIATION	201119157	12 UNKNOWN	11,725	
AMERICAN BURN ASSOCIATION	201121884	12 UNKNOWN	7,148	
APPLIED NANOTECH, INC.	201401520	12 UNKNOWN	25,374	
ARGONNE NATIONAL LABORATORY (DOE GOCO LAB OPERATED BY UNIV OF CHICAGO)	6F30603	12 UNKNOWN	2,721	
BAE SYSTEMS (GREAT BRITAIN)	846660	12 UNKNOWN	625,990	
BRAIN TRAUMA FOUNDATION, INC.	A120415	12 UNKNOWN	12,363	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	007154	12 UNKNOWN	1,552	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	Sub NONE(SA0000453)	12 UNKNOWN	98,645	
CARNEGIE MELLON UNIVERSITY	1990365-346574-cyc1	12 UNKNOWN	54,074	
CH2M HILL	1306090	12 UNKNOWN	29,288	
CHILDREN'S HOSPITAL AND RESEARCH CENTER AT OAKLAND	128059	12 UNKNOWN	3,181	
DISTANT FOCUS CORPORATION	PO 3344	12 UNKNOWN	19,325	
ENGILITY CORP.	2015SEGL0112	12 UNKNOWN	58,441	
ENSCO, INC.	G273613851	12 UNKNOWN	114,711	
ENSCO, INC.	G273713884	12 UNKNOWN	45,573	
GARVEY SPACECRAFT CORPORATION	GSC SUB GSC-2014-03 (NNX14CM44P) W	12 UNKNOWN	(1,353)	
GENERAL DYNAMICS CORPORATION	40228342	12 UNKNOWN	50,010	
GENEVA FOUNDATION	201122182	12 UNKNOWN	111,213	
GROUP4 LABS, LLC	GROUP4LABS (DOD/FP) 4508 CLSD	12 UNKNOWN	(8,018)	
JOHNS HOPKINS UNIVERSITY	118122	12 UNKNOWN	20,538	
JOHNS HOPKINS UNIVERSITY	2002761143	12 UNKNOWN	82,191	
L&M POLICY RESEARCH, LLC	UCALSB-PL-2014-01	12 UNKNOWN	343,772	
LOCKHEED MARTIN CORPORATION	LC4101833507	12 UNKNOWN	848,304	
LOGISTIC GLIDERS INC	201502221	12 UNKNOWN	29,374	
LOS ALAMOS NATIONAL SECURITY, LLC	318483	12 UNKNOWN	34,616	
LOS ALAMOS NATIONAL SECURITY, LLC	346271	12 UNKNOWN	47,436	
LYNNTECH, INC.	20152290	12 UNKNOWN	23,252	
MAKEL ENGINEERING, INC.	15SUBAQS01UCD	12 UNKNOWN	50,000	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003875	12 UNKNOWN	418,825	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003876	12 UNKNOWN	166,854	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003939	12 UNKNOWN	267,160	
MATRIX RESEARCH, INC.	SUBCONTRACT 20140236	12 UNKNOWN	135,248	
MAYACHITRA, INC.	007843	12 UNKNOWN	38,478	
MAYACHITRA, INC.	MC68335-16-C-0028	12 UNKNOWN	51,742	
MAYACHITRA, INC.	UCSB-14-C-0333	12 UNKNOWN	7,760	
MITRE CORPORATION, THE	Sub 107767 (W15P7T-14-C-A802)	12 UNKNOWN	399,441	
NEW JERSEY INSTITUTE OF TECHNOLOGY	SUB (NP) 996402(W911NF-15-C-02	12 UNKNOWN	122,568	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	1679	12 UNKNOWN	19,721	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	1680	12 UNKNOWN	16,404	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	1684	12 UNKNOWN	14,200	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	SUB 1677 (W81XWH-12-2-0012)	12 UNKNOWN	184,458	(135,276)
NOVATEUR RESEARCH SOLUTIONS LLC	UCSD-SUBK-N0014-14-P-1169	12 UNKNOWN	23,500	
ORACLE CORPORATION	LFI 214774	12 UNKNOWN	129,210	
OREGON STATE UNIVERSITY	OSU-RM100A-ALVAREZ-COHEN-3/15	12 UNKNOWN	6,533	

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OUT OF THE FOG RESEARCH LLC	UCSD 20153612	12 UNKNOWN	43,467	
RADIABEAM TECHNOLOGIES, LLC	201504143	12 UNKNOWN	7,681	
RAYTHEON BBN TECHNOLOGIES CORP.	007176	12 UNKNOWN	104,809	
RAYTHEON BBN TECHNOLOGIES CORP.	W911NF0920053	12 UNKNOWN	238,849	
RAYTHEON COMPANY	4201027558	12 UNKNOWN	7,050	
RAYTHEON COMPANY	SB140137-0001	12 UNKNOWN	4,131	
RDRTEC	Sub 20143977(N68335-14-C-0335)	12 UNKNOWN	(108)	
REAL TIME RESEARCH, INC.	201502946	12 UNKNOWN	111,058	
ROYAL CALIBER LLC	201500146	12 UNKNOWN	269,968	
SOAR TECHNOLOGY, INC.	1028102UCDavis	12 UNKNOWN	22,500	
SOUTHERN METHODIST UNIVERSITY	GA00137-7510	12 UNKNOWN	36,691	
TELEDYNE TECHNOLOGIES, INC.	G9U571158	12 UNKNOWN	78,283	
TEXAS A&M UNIVERSITY - COLLEGE STATION	15-08	12 UNKNOWN	37,142	
TOYON RESEARCH CORPORATION	SC15-6935-1	12 UNKNOWN	19,746	
TRISTAN TECHNOLOGIES	UCSD 20153613	12 UNKNOWN	44,910	
UNIVERSAL TECHNOLOGY CORPORATION	167900000406C1	12 UNKNOWN	13,429	
UNIVERSITY OF ALASKA	15-0068 (P.O. P0487114)	12 UNKNOWN	503,474	
UNIVERSITY OF CENTRAL FLORIDA	24086133-02	12 UNKNOWN	605,670	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	W81XWH-15-1-0584	12 UNKNOWN	10,927	
UNIVERSITY OF ILLINOIS	2013-01024-01	12 UNKNOWN	850,766	
UNIVERSITY OF INNSBRUCK	030378	12 UNKNOWN	185,314	
UNIVERSITY OF MARYLAND	21651-Z9885008-cyc1	12 UNKNOWN	1,845	
UNIVERSITY OF MICHIGAN	3002565241	12 UNKNOWN	192,180	
UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 48894253 (HR0011-12-C-0094)	12 UNKNOWN	163,570	
UTAH STATE UNIVERSITY	007217	12 UNKNOWN	33,614	
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	450319-19A28	12 UNKNOWN	263,517	
CALIFORNIA PARKS AND RECREATION, DEPARTMENT OF	C1370016	12 UNKNOWN	122,034	
MICROELECTRONICS ADVANCED RESEARCH CORPORATION	20130445	12 UNKNOWN	241,373	
MICROELECTRONICS ADVANCED RESEARCH CORPORATION	20130533	12 UNKNOWN	132,927	
Subtotal Pass-Through and Partial Pass-Through Awards			63,067,053	3,537,991
Total Department of Defense			311,803,196	49,573,373
CENTRAL INTELLIGENCE AGENCY				
Pass-Through and Partial Pass-Through				
UNIVERSITY OF UTAH	006950	13 431	156,919	
Total Central Intelligence Agency			156,919	-
HOUSING & URBAN DEVELOPMENT				
Direct Awards	Various	14 RD	136,155	
Total Housing & Urban Development			136,155	-
DEPARTMENT OF INTERIOR				
Direct Awards	Various	15 RD	14,961,227	554,413
Pass-Through and Partial Pass-Through				
UNIVERSITY OF NEVADA, LAS VEGAS/UNLV RESEARCH FOUNDATION	007919	15 231	6,781	

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	SA0000474	15 423	735	
UNIVERSITY OF NEVADA, RENO	UNR1573	15 608	18,954	
CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	P1382003	15 615	85,240	
CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	P1582003	15 615	18,338	
CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	P1480014	15 634	37,908	
OREGON, STATE OF	ODFW 203-14-01	15 634	15,158	
CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	P1482005	15 650	80,889	
SOUTHWEST WETLANDS INTERPRETIVE ASSOCIATION	20160861	15 650	1,109	
SRI INTERNATIONAL	69-000539-CYC4	15 650	30,806	
UNIVERSITY OF GEORGIA	RR2121364942176	15 657	7,841	
WILDLIFE MANAGEMENT INSTITUTE	WMI WNS201508 FRICK 8/16	15 657	9,439	
NATIONAL FISH AND WILDLIFE FOUNDATION	0104.14.041425	15 663	51,052	
NORTH SLOPE BOROUGH (ALASKA)	2015-131	15 668	78,385	
SONOMA ECOLOGY CENTER	20110725CALCCSUBUCDICE	15 669	20,547	
UNIVERSITY OF SOUTH CAROLINA	007931	15 805	36,304	
SOUTHERN CALIFORNIA EARTHQUAKE CENTER	Y80806 GRANT-cyc5	15 808	4,115	
UNIVERSITY OF SOUTHERN CALIFORNIA	39072289:2	15 808	4,229	
UNIVERSITY OF SOUTHERN CALIFORNIA	49239887:1	15 808	38,481	
UNIVERSITY OF SOUTHERN CALIFORNIA	50030741	15 808	107	
UNIVERSITY OF SOUTHERN CALIFORNIA	57266713	15 808	56,599	
AMERICAVIEW, INC.	AV13CA01	15 815	24,330	
NATURE CONSERVANCY	OCS-NCEAS-02012016	15 820	86,626	
UNIVERSITY OF ARIZONA	131696	15 820	18,429	
UNIVERSITY OF ARIZONA	131697	15 820	26,946	
UNIVERSITY OF ARIZONA	20144990	15 820	38,009	
UNIVERSITY OF ARIZONA	212672	15 820	20,301	
UNIVERSITY OF ARIZONA	221641	15 820	124,970	
UNIVERSITY OF ARIZONA	223659	15 820	108,370	
UNIVERSITY OF ARIZONA	288625	15 820	131,622	
UNIVERSITY OF ARIZONA	G15AP00174	15 820	27,977	
UNIVERSITY OF ARIZONA	Y561461:5	15 820	145,839	
UNIVERSITY OF ARIZONA	Y561946	15 820	128,101	
SANTA MONICA MOUNTAINS FUND	P13AC00418	15 954	3,366	
UNIVERSITY OF WASHINGTON	UNIVERSITY OF WASHINGTON-UCD2013G73	15 954	5,388	
CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS	C8956514	15 UNKNOWN	9,000	
CALIFORNIA DIVISION OF BOATING AND WATERWAYS	C1370030	15 UNKNOWN	189,934	
MMI ENGINEERING	201402582	15 UNKNOWN	63,311	
UNIVERSITY OF GEORGIA	RR2677094353608	15 UNKNOWN	9,079	
Subtotal Pass-Through and Partial Pass-Through Awards			1,764,615	-
Total Department of Interior			16,725,842	554,413
DEPARTMENT OF JUSTICE				
Direct Awards	Various	16 RD	2,594,142	243,790
Pass-Through and Partial Pass-Through				
FAIRLEIGH DICKINSON UNIVERSITY	DOJ0007-01	16 203	1,095	

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
FAIRLEIGH DICKINSON UNIVERSITY	DOJ0008-01	16 203	5,223	
ARKANSAS STATE UNIVESITY	14-678-15-cyc1	16 560	115,129	
RAND CORP	9920120084-cyc4	16 560	39,160	
UNIVERSITY OF ARKANSAS, FAYETTEVILLE	SA1302028-CYC1	16 560	(2,725)	
UNIVERSITY OF COLORADO BOULDER	1553430 (2015-DN-BX-K016	16 560	5,087	
NATIONAL 4-H COUNCIL	National 4-H Council - 2015-JU-FX-0	16 726	18,201	
Subtotal Pass-Through and Partial Pass-Through Awards			181,170	-
Total Department of Justice			2,775,312	243,790
DEPARTMENT OF LABOR				
Pass-Through and Partial Pass-Through				
CITY OF SANTA ANA	A-2012-015-CYC1	17 258	56,860	
CALIFORNIA EMPLOYMENT DEVELOPMENT DEPARTMENT	M6102380	17 261	43,987	
CHAFFEY COLLEGE	007218	17 282	32,830	
L-3 DATA TACTICS, INC.	UCALSB-PL-2014-01	17 UNKNOWN	44,952	
Subtotal Pass-Through and Partial Pass-Through Awards			178,629	-
Total Department of Labor			178,629	-
DEPARTMENT OF STATE				
Direct Awards	Various	19 RD	2,116,762	108,446
Pass-Through and Partial Pass-Through				
INSTITUTE OF INTERNATIONAL EDUCATION	201401627	19 401	75,774	
CENTER FOR HUMAN SERVICES	FY13-A01-7014:01	19 704	2,288	
PARTNERS OF THE AMERICAS, INC.	PARTNER-1-KAMMEN,D-12/15	19 UNKNOWN	33,246	
THE NATIONAL ACADEMIES	USDS/NAS PGA-P210946 SIDDIQUI	19 UNKNOWN	(2)	
Subtotal Pass-Through and Partial Pass-Through Awards			111,306	-
Total Department of State			2,228,068	108,446
DEPARTMENT OF TRANSPORTATION				
Direct Awards	Various	20 RD	7,023,556	1,413,287
Pass-Through and Partial Pass-Through				
UNIVERSITY OF MARYLAND	15493-Z9010001	20 108	74,788	
UNIVERSITY OF MARYLAND	Z918001	20 108	32,998	
UNIVERSITY OF MARYLAND	Z990102	20 108	202,053	
CALIFORNIA DEPARTMENT OF TRANSPORTATION	65A0510	20 200	47,689	
CITY AND COUNTY OF SAN FRANCISCO	VPPL-6328(054)	20 200	70,027	
LEIDOS, INC.	P010123388 R5	20 200	(13,661)	
LEIDOS, INC.	P010123388 R6	20 200	114,296	
LEIDOS, INC.	P010123388R2	20 200	(30,561)	
LEIDOS, INC.	P010123388R3	20 200	1,933	
WESTAT	8967-S03	20 200	(3,564)	
CALIFORNIA DEPARTMENT OF TRANSPORTATION	65A0541-cyc1	20 205	106,235	
PRINCETON UNIVERSITY	00002057	20 205	120,004	
OREGON DEPARTMENT OF TRANSPORTATION	30286	20 215	90,571	85,128
CALIFORNIA DEPARTMENT OF TRANSPORTATION	65A0521	20 237	788,255	371,624

The accompanying notes are an integral part of this schedule.

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		Pass-Through to Subrecipients
		Federal CFDA Number	Total Federal Expenditures	
CALIFORNIA HIGH-SPEED RAIL AUTHORITY (ARRA)	HSR15-97	20 319	38,034	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS1406-COTS-MADANAT-9/14	20 600	(1,303)	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	AL1551	20 600	381,246	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS1516	20 600	66,286	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS1517	20 600	42,730	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS1615	20 600	71,272	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS1616	20 600	84,236	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	PT15148	20 600	279,881	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	PT16155	20 600	524,645	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS1625	20 600	84,875	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	AL1552	20 608	280,706	240,496
CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR1506	20 610	68,709	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR1605	20 610	50,684	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	CALIFORNIA OFFICE OF TRAFFIC SAFETY (18975)	20 616	(878)	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	AL1607	20 616	667,035	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	MC1501	20 616	53,860	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	SUB DD1503 (NONE)	20 616	61,840	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	SUB OP1514 (NONE)	20 616	198,121	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR1505	20 616	25,525	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR1507	20 616	28,103	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR1604	20 616	49,002	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR1606	20 616	117,117	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR1613	20 616	88,068	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR1614	20 616	114,377	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	DD1604	20 616	112,400	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	OP1616	20 616	210,236	
BOOZ ALLEN HAMILTON INC.	1078934	20 762	183,816	
BOOZ ALLEN HAMILTON INC.	106990SB1M	20 762	68,048	
CALIFORNIA TRANSPORTATION COMMISSION	SRTSLNI-6342(004)	20 933	167,073	4,186
CALIFORNIA DEPARTMENT OF TRANSPORTATION	00008763	20 UNKNOWN	(8,534)	
CALIFORNIA DEPARTMENT OF TRANSPORTATION	65A0491	20 UNKNOWN	115,370	
CALIFORNIA DEPARTMENT OF TRANSPORTATION	65A0540	20 UNKNOWN	504,982	
CALIFORNIA DEPARTMENT OF TRANSPORTATION	74A0851-cyc1	20 UNKNOWN	389,754	
HONEYWELL, INC.	PO4203850099E	20 UNKNOWN	29,350	27,006
LEIDOS, INC.	006920	20 UNKNOWN	22,662	
UNIVERSITY OF ARIZONA	153516	20 UNKNOWN	70,107	
UNIVERSITY OF ILLINOIS	20150068103	20 UNKNOWN	8,857	
CALIFORNIA DEPARTMENT OF TRANSPORTATION	65A0548	20 UNKNOWN	243,390	
CALIFORNIA DEPARTMENT OF TRANSPORTATION	65A0556	20 UNKNOWN	161,510	
CALIFORNIA DEPARTMENT OF TRANSPORTATION	65A0594	20 UNKNOWN	10,227	
CALIFORNIA DEPT OF TRANSPORTATION DIVISION OF RESEARCH AND INNOVATION	65A0542	20 UNKNOWN	3,240,758	447,292
CALIFORNIA DEPT OF TRANSPORTATION DIVISION OF RESEARCH AND INNOVATION	65A0562	20 UNKNOWN	41,823	
CALIFORNIA DEPT OF TRANSPORTATION DIVISION OF RESEARCH AND INNOVATION	65A0563	20 UNKNOWN	560,680	
CAMBRIDGE SYSTEMATICS, INC.	140101	20 UNKNOWN	128,139	
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION	GCB1359	20 UNKNOWN	72,041	

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UNIVERSITY OF CALIFORNIA
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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal CFDA Number	FY 2016	
			Total Federal Expenditures	Pass-Through to Subrecipients
Subtotal Pass-Through and Partial Pass-Through Awards			11,307,923	1,175,732
Total Department of Transportation			18,331,479	2,589,019
FEDERAL COMMUNICATIONS COMMISSION				
Direct Awards	Various	32 RD	258,890	
Total Federal Communications Commission			258,890	-
NATIONAL AERONAUTICS & SPACE ADMINISTRATION				
Direct Awards	Various	43 RD	133,754,334	28,653,447
Pass-Through and Partial Pass-Through				
AERO INSTITUTE	AINASA AERO 661 CARMAN 5/15 54%	43 001	(16)	
AERO INSTITUTE	AERO 673	43 001	128,284	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	STSI HSTGO11546301A ILLGWTRH 8/15	43 001	943	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	STSI HSTAR1263302A RAM.-RUIZ 9/15	43 001	2,758	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	STSI HSTGO1254902A GHKRTA 10/15	43 001	12,353	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	STSI HSTGO1255502A PROCHASKA 3/16	43 001	18,507	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A00-0012-003	43 001	45,246	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A00-0029-004	43 001	86,038	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A00-0037-003	43 001	11,179	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A00-0061-011	43 001	4	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A00-0065-003	43 001	23,835	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A00-0272-003	43 001	2,338	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A00-0274-003	43 001	1,280	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A00-0275-007	43 001	71,333	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A00-0277-003	43 001	2,072	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A00-0280-002	43 001	98,162	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A00-0282-002	43 001	79,595	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A00-1429-006	43 001	32,905	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A15-0078-001	43 001	3,781	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A15-0184-002	43 001	20,880	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A15-0191-001	43 001	3,044	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A15-0196-002	43 001	16,837	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A15-0234-002	43 001	40,978	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A15-0235-002	43 001	40,344	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A15-0250-002	43 001	72,823	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A15-0256-002	43 001	80,953	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A16-0226-001	43 001	2,885	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A16-0319-001	43 001	30,532	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A16-0353-001	43 001	1,025	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A16-0355-001	43 001	643	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST.AR.14280.004A	43 001	2,182	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-13256	43 001	2,986	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-13265.02-A	43 001	1,373	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-13271.010-A	43 001	2,160	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-13918.002-A	43 001	26,421	

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		CFDA Number	Federal	Total Federal	Pass-Through to
			Expenditures	Expenditures	Subrecipients
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12060.10-A-5	43 001		79,961	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12266.001-A	43 001		6,561	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12863.05-A	43 001		5,447	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12889.013-A	43 001		2,168	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12914.04-A-CYC2	43 001		6,600	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12971.01-A	43 001		1,723	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13048.02-A	43 001		356	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13309.08-A	43 001		41,137	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13364.26-A	43 001		4,197	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13423.001-A	43 001		2,856	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13431.007-A	43 001		3,068	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13467.03-A	43 001		24,162	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13491.008-A	43 001		1,517	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13501.06-A	43 001		2,670	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13609.001-A	43 001		342	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13665.004-A	43 001		7,203	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13699.003-A	43 001		13,838	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13758.002-A	43 001		20,718	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13767.009-A	43 001		56,976	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13792.004-A	43 001		10,885	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13826.017-A	43 001		31,968	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13846.005-A	43 001		35,014	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13865.001-A	43 001		41,560	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13866.001-A	43 001		40,434	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-14041.005-A	43 001		26,498	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-14178.001-A	43 001		33,366	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-HF-51302.01-A-001	43 001		15,542	
BERMUDA INSTITUTE OF OCEAN SCIENCES	154444UCSB	43 001		9,560	
BOISE STATE UNIVERSITY	6194A	43 001		87,710	
BOSTON UNIVERSITY	4500001963	43 001		6,041	
CATHOLIC UNIVERSITY OF AMERICA, THE	361207 - Sub 1	43 001		100,791	
CENTER FOR THE ADVANCEMENT OF SCIENCE IN SPACE INC	GA-2014-154	43 001		102,004	
CONSORTIUM FOR OCEAN LEADERSHIP	SA 16-33	43 001		45,396	
CORNELL UNIVERSITY	67431-10069	43 001		25,655	
CORNELL UNIVERSITY	73739-10510	43 001		8,713	
CSU SAN MARCOS/UNIVERSITY AUXILIARY & RESEARCH SERVICES CORPORATION	SUB 85889(NNX13AN25G)	43 001		2,234	
DARTMOUTH COLLEGE	509	43 001		78,377	
DARTMOUTH COLLEGE	A00-1411-013	43 001		107,736	
EMORY UNIVERSITY	S662646	43 001		34,994	
GEORGETOWN UNIVERSITY	GEORGETOWN UNIVERSITY (78845)	43 001		118,966	
GEORGIA INSTITUTE OF TECHNOLOGY	RG176-G1-cyc1	43 001		69,721	
HARVARD UNIVERSITY	130763-5093536	43 001		91,963	
JET PROPULSION LABORATORY	1409806:017	43 001		95,010	
JET PROPULSION LABORATORY	1409809:025	43 001		265,745	
JET PROPULSION LABORATORY	1446040:006	43 001		97,347	

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UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal CFDA Number	FY 2016	
			Total Federal Expenditures	Pass-Through to Subrecipients
JET PROPULSION LABORATORY	1446882:011	43 001	1,159	
JET PROPULSION LABORATORY	1480144-cyc3	43 001	35,650	
JET PROPULSION LABORATORY	1487741	43 001	3,035	
JET PROPULSION LABORATORY	1492856	43 001	24,705	
JET PROPULSION LABORATORY	1507032-cyc3	43 001	35,169	
JET PROPULSION LABORATORY	1507883	43 001	49,790	
JET PROPULSION LABORATORY	1517461	43 001	20,000	
JET PROPULSION LABORATORY	1521683	43 001	119,649	
JET PROPULSION LABORATORY	1524322-cyc1	43 001	90,868	
JET PROPULSION LABORATORY	1526267	43 001	3,460	
JET PROPULSION LABORATORY	1528088	43 001	18,988	
JET PROPULSION LABORATORY	1536981	43 001	38,688	
JET PROPULSION LABORATORY	1547288-cyc1	43 001	49,975	
JOHNS HOPKINS UNIVERSITY	131186	43 001	1,138	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003371:003	43 001	55,557	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003374	43 001	103,873	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MIT/NASA 5710003020 RUSSELL 06/15 5	43 001	(1,936)	
NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	X13-7143-UCLA	43 001	52,259	
NATIONAL SPACE BIOMEDICAL RESEARCH INSTITUTE	MA02801-CYC4	43 001	263,530	
OHIO STATE UNIVERSITY	60031541-CYC2	43 001	9,359	
OHIO STATE UNIVERSITY	60040479:1	43 001	36,828	
OREGON STATE UNIVERSITY	NS235A-A:4	43 001	87,606	
OREGON STATE UNIVERSITY	NS2527A-A	43 001	100,229	
PREDICTIVE SCIENCE INC.	20154780:001	43 001	115,311	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	RU/NASA SLR SYSTM EXPLOR FOGEL 9/16	43 001	828	
SOUTHWEST RESEARCH INSTITUTE	H99068CO	43 001	22,955	
SOUTHWEST RESEARCH INSTITUTE	H99074MO	43 001	61,072	
STONE AEROSPACE/PSC, INC.	SC-12-32-004	43 001	1,241	
TEXAS A&M UNIVERSITY - COLLEGE STATION	16-02	43 001	14,354	
THE WOODS HOLE RESEARCH CENTER INC	WHRC-ZG0827-01-cyc1	43 001	6,831	
U.S.-ISRAEL BINATIONAL SCIENCE FOUNDATION	2012304	43 001	6,275	
UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	Z14-96410	43 001	58,577	
UNIVERSITY OF CENTRAL FLORIDA	UNIV C FL 2408609301 KORYCAN 01/16	43 001	4,930	
UNIVERSITY OF COLORADO BOULDER	1553430 (2015-DN-BX-K016	43 001	93,309	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	1552631	43 001	26,651	
UNIVERSITY OF DELAWARE	34338	43 001	19,213	
UNIVERSITY OF DELAWARE	40042	43 001	10,936	
UNIVERSITY OF IOWA	1000933166:03	43 001	90,037	
UNIVERSITY OF IOWA	W000726876	43 001	31,325	
UNIVERSITY OF MARYLAND	16311-Z6905001	43 001	28,483	
UNIVERSITY OF MARYLAND	SUB Z680501 (NNX13AH67G)	43 001	41,853	
UNIVERSITY OF MARYLAND	Z681002:A	43 001	7,779	
UNIVERSITY OF MASSACHUSETTS SYSTEM	S20140000019910	43 001	120,653	
UNIVERSITY OF MICHIGAN	3002467381:2	43 001	65,555	
UNIVERSITY OF MINNESOTA	A003457301	43 001	43,707	

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016	
		Federal CFDA Number	Total Federal Expenditures
UNIVERSITY OF MONTANA	PG15-26841-01-cyc1	43 001	44,050
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5100754	43 001	36,494
UNIVERSITY OF NORTH DAKOTA	10162-18240	43 001	99,923
UNIVERSITY OF TEXAS-AUSTIN	UTA15-000804	43 001	9,354
UNIVERSITY OF UTAH	10030589-UCSB	43 001	13,050
UNIVERSITY OF WASHINGTON	764015	43 001	33,646
UNIVERSITY OF WASHINGTON	764016	43 001	29,346
UNIVERSITY OF WASHINGTON	764017	43 001	26,320
UNIVERSITY OF WISCONSIN-MADISON	545K204:1	43 001	128,709
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	426670-19B03	43 001	184,616
WYLE LABORATORIES	T72213	43 001	3,226
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB11-CRLP-UCSD	43 001	(836)
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB11-CSP-UCSD	43 001	(769)
UNIVERSITY OF DELAWARE	A15-0179-001	43 001	120,837
UNIVERSITY OF WASHINGTON	A00-1487-002	43 001	52,389
WILLIAM M. KECK FOUNDATION	12621A	43 001	7,041
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12864.01-A-CYC1	43 002	(1,187)
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12879.04-A	43 002	24,569
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13045-CYC3	43 002	11,888
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13334.05-A	43 002	14,661
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13399.01-A-CYC2	43 002	27,191
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-14268.012-A-cyc1	43 002	8,228
CALIFORNIA INSTITUTE OF TECHNOLOGY	44A-1085101	43 002	709,990
CALIFORNIA INSTITUTE OF TECHNOLOGY	RSA-202831-cyc1	43 002	3,371
CALIFORNIA STATE UNIVERSITY, SAN JOSE STATE UNIVERSITY FOUNDATION	2116144877UCDAVIS2015	43 002	58,387
JET PROPULSION LABORATORY	1473072-CYC2	43 002	(2,698)
JET PROPULSION LABORATORY	1523799	43 002	155,000
JET PROPULSION LABORATORY	1523803	43 002	192,978
JET PROPULSION LABORATORY	1528152-cyc1	43 002	43,856
JET PROPULSION LABORATORY	1530800-cyc1	43 002	17,543
JET PROPULSION LABORATORY	1541673-cyc1	43 002	10,815
NATIONAL SPACE BIOMEDICAL RESEARCH INSTITUTE	4600578728-cyc1	43 002	40,906
NATIONAL SPACE BIOMEDICAL RESEARCH INSTITUTE	HFP03401	43 002	101,743
NATIONAL SPACE BIOMEDICAL RESEARCH INSTITUTE	MA02501-CYC6	43 002	16,247
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	000419712-001-cyc5	43 002	144,997
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	UNIVOFCS/NASA 1545648 FURLANETTO 4/1	43 002	(1,998)
UNIVERSITY OF ILLINOIS	2015-01027-03	43 002	28,254
UNIVERSITY OF MINNESOTA	A003104701	43 002	63,477
JET PROPULSION LABORATORY	1541599-cyc1	43 003	6,939
OREGON HEALTH & SCIENCE UNIVERSITY	008936_UCSF	43 003	30,246
SOUTHWEST RESEARCH INSTITUTE	J99018CP	43 003	17,764
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-13907.001-A	43 007	31,799
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13646.002-A	43 007	1,377
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13648.002-A	43 007	20,581
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13677.001-A	43 007	180,557

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016	
		Federal CFDA Number	Total Federal Expenditures
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-14041.002-A	43 007	88,722
JET PROPULSION LABORATORY	1518100	43 007	23,468
PRINCETON PLASMA PHYSICS LABORATORY	S014279-U	43 007	16,995
AERO INSTITUTE	D-13-IFS-014	43 008	16,264
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-14289.001-A-cyc1	43 008	184
CALIFORNIA STATE UNIV. L.A. AUXILIARY SERVICES	UC1231210-cyc1	43 008	128,165
UNIVERSITY OF WISCONSIN-MADISON	483K501	43 008	39,086
UNIVERSITY OF WISCONSIN-MADISON	483K534	43 008	17,584
JET PROPULSION LABORATORY	1507004	43 009	38,883
LOMA LINDA UNIVERSITY (INCL NATL MEDICAL TECHNOLOGY TESTBED, INC.)	UCSF#A114693	43 010	(683)
UNIVERSITIES SPACE RESEARCH ASSOCIATION	09960-03	43 010	17,696
ANGSTROM DESIGNS ENGRG SERVS	NASA STTR UCSB 091714-UCSB02	43 UNKNOWN	168,407
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	005647	43 UNKNOWN	18,037
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	006516	43 UNKNOWN	7,903
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	006577	43 UNKNOWN	119,392
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	006578	43 UNKNOWN	16,308
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	006768	43 UNKNOWN	17
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	007208	43 UNKNOWN	14,237
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	007253	43 UNKNOWN	18,504
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	007272	43 UNKNOWN	17,978
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	007393	43 UNKNOWN	2,911
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	007521	43 UNKNOWN	32,858
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	008054	43 UNKNOWN	21,425
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	ASSOCIATION OF UNIVER-HST-GO-13661.	43 UNKNOWN	17,569
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-12160.001-A	43 UNKNOWN	7,640
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-12623.01-A	43 UNKNOWN	10
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-12649.01-A(NONE)	43 UNKNOWN	5,087
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-12822.03-A	43 UNKNOWN	20,316
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-12823.001-A	43 UNKNOWN	17,458
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HSTAR1283302A	43 UNKNOWN	13,745
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-12847.001-A	43 UNKNOWN	38,795
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HSTAR1323501A	43 UNKNOWN	45,463
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-13242.01-A-CYC1	43 UNKNOWN	15,302
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-13886.001-A-CYC1	43 UNKNOWN	30,024
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-13888.003-A-cyc1	43 UNKNOWN	6,585
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-13921.002-A-cyc1	43 UNKNOWN	5,373
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-14284.002-A	43 UNKNOWN	51,460
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12099.03-A	43 UNKNOWN	44,804
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12245.02-A	43 UNKNOWN	82
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12522.02-A	43 UNKNOWN	40,070
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12530.01-A	43 UNKNOWN	3,779
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12531.01-A	43 UNKNOWN	57,156
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12533.01-A	43 UNKNOWN	9,062
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12547.01-A-CYC1	43 UNKNOWN	18,213
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12612.02-A	43 UNKNOWN	15,216

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12614.04-A	43 UNKNOWN	2,845	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12815-02-A (NAS5-26555)	43 UNKNOWN	(2,061)	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12880.03-A	43 UNKNOWN	25,953	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HSTGO12889.04A	43 UNKNOWN	793	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HSTGO1289801A	43 UNKNOWN	21,073	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13008.02-A	43 UNKNOWN	24,418	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13030.01-A	43 UNKNOWN	17,874	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13037.01-A	43 UNKNOWN	48,874	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13176-04-A(NAS 5-26555)	43 UNKNOWN	134	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HSTGO1317701A	43 UNKNOWN	50,863	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13286.04-A	43 UNKNOWN	9,688	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13287.001-A	43 UNKNOWN	30,731	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13335.04-A	43 UNKNOWN	40,875	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13343.09-A-CYC1	43 UNKNOWN	19,966	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13362.001-A	43 UNKNOWN	684	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13408.01-A	43 UNKNOWN	6,092	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO13659.001-A	43 UNKNOWN	40,829	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13662.001-A-cyc1	43 UNKNOWN	10,017	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13700.001-A	43 UNKNOWN	2,241	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13718.002-A-CYC1	43 UNKNOWN	15,163	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13725.001-A	43 UNKNOWN	11,788	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13726.001-A	43 UNKNOWN	11,788	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13776.001-A	43 UNKNOWN	66,870	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13777.001-A	43 UNKNOWN	17,774	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13797.001-A	43 UNKNOWN	36,382	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13937.003-A	43 UNKNOWN	72,719	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-14104.002-A	43 UNKNOWN	19,243	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HSTGO-14252.002-A	43 UNKNOWN	26,775	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-HF2-51363.001-A	43 UNKNOWN	81,910	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-HF-51294.01-A	43 UNKNOWN	(38,332)	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-HF-51304.01-A	43 UNKNOWN	(13,561)	
BAY AREA RESEARCH CORPORATION	1-24-06-13	43 UNKNOWN	20,215	
CALIFORNIA INSTITUTE OF TECHNOLOGY	F/CIT 44A-1088684 COORAY J53.0 3/14	43 UNKNOWN	(1,954)	
CATHOLIC UNIVERSITY OF AMERICA, THE	362486	43 UNKNOWN	57,792	
DEPLOYABLE SPACE SYSTEMS	DSS0195	43 UNKNOWN	17,539	
EARTH AND SPACE RESEARCH	2013-183 UCSD	43 UNKNOWN	86,206	
JET PROPULSION LABORATORY	007453	43 UNKNOWN	2,682	
JET PROPULSION LABORATORY	008085	43 UNKNOWN	49,955	
JET PROPULSION LABORATORY	1356389	43 UNKNOWN	372,698	
JET PROPULSION LABORATORY	1356970	43 UNKNOWN	43,770	
JET PROPULSION LABORATORY	1388406	43 UNKNOWN	100,059	
JET PROPULSION LABORATORY	1420806-CYC1	43 UNKNOWN	1,280	
JET PROPULSION LABORATORY	1434779	43 UNKNOWN	19,227	
JET PROPULSION LABORATORY	1456907-CYC5	43 UNKNOWN	13	
JET PROPULSION LABORATORY	1466422	43 UNKNOWN	14,772	

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			Total Federal Expenditures	Pass-Through to Subrecipients
JET PROPULSION LABORATORY	1468115	43 UNKNOWN	15,471	
JET PROPULSION LABORATORY	1473032	43 UNKNOWN	97,506	
JET PROPULSION LABORATORY	1475268-CYC1	43 UNKNOWN	28,998	
JET PROPULSION LABORATORY	1487040	43 UNKNOWN	15,712	
JET PROPULSION LABORATORY	1490690	43 UNKNOWN	26,526	
JET PROPULSION LABORATORY	1492976	43 UNKNOWN	248,296	
JET PROPULSION LABORATORY	1497438	43 UNKNOWN	10,973	
JET PROPULSION LABORATORY	1497439	43 UNKNOWN	11,730	
JET PROPULSION LABORATORY	1499810	43 UNKNOWN	102	
JET PROPULSION LABORATORY	1501380	43 UNKNOWN	11,339	
JET PROPULSION LABORATORY	1507557	43 UNKNOWN	(986)	
JET PROPULSION LABORATORY	1509483-cyc1	43 UNKNOWN	30,823	
JET PROPULSION LABORATORY	1515893	43 UNKNOWN	4,170	
JET PROPULSION LABORATORY	1518586-cyc1	43 UNKNOWN	17,954	
JET PROPULSION LABORATORY	1518945-cyc1	43 UNKNOWN	54,788	
JET PROPULSION LABORATORY	1521597	43 UNKNOWN	100,188	
JET PROPULSION LABORATORY	1528057Mod001	43 UNKNOWN	533	
JET PROPULSION LABORATORY	1531033	43 UNKNOWN	105,909	
JET PROPULSION LABORATORY	1531105	43 UNKNOWN	96,013	
JET PROPULSION LABORATORY	1532090	43 UNKNOWN	6,681	
JET PROPULSION LABORATORY	1538071	43 UNKNOWN	4,581	
JET PROPULSION LABORATORY	1539176	43 UNKNOWN	65,561	
JET PROPULSION LABORATORY	1547132	43 UNKNOWN	8,000	
JET PROPULSION LABORATORY	JPL: 1477322	43 UNKNOWN	81	
JET PROPULSION LABORATORY	JET PROPULSION LABORATORY-1530961	43 UNKNOWN	16,222	
JET PROPULSION LABORATORY	F/JPL 1447872 COORAY J53.5/54 FP 09	43 UNKNOWN	50,048	
JET PROPULSION LABORATORY	JPL-1505588-STAMPER-KURN-11/14	43 UNKNOWN	(1,782)	
JET PROPULSION LABORATORY	Sub 1450442 (NM07100956)	43 UNKNOWN	178,694	
JET PROPULSION LABORATORY	SUB 1468851 (NNN13D043T)	43 UNKNOWN	10	
JET PROPULSION LABORATORY	Sub 1472388	43 UNKNOWN	44,252	
JET PROPULSION LABORATORY	SUB 1498834	43 UNKNOWN	56,375	
JET PROPULSION LABORATORY	SUB 1502486	43 UNKNOWN	5,168	
JET PROPULSION LABORATORY	Sub 1542954 (NNN12AA01C)	43 UNKNOWN	1,357	
JOHNS HOPKINS UNIVERSITY	975268	43 UNKNOWN	7,292,429	2,362,597
LOCKHEED MARTIN CORPORATION	4100464902	43 UNKNOWN	32,031	
LOMA LINDA UNIVERSITY (INCL NATL MEDICAL TECHNOLOGY TESTBED, INC.)	LLU-48391-cyc10	43 UNKNOWN	115,107	
LOS GATOS RESEARCH, INC.	20161484	43 UNKNOWN	40,474	
MALIN SPACE SCIENCE SYSTEMS	12-0256	43 UNKNOWN	71,670	
NATIONAL SPACE BIOMEDICAL RESEARCH INSTITUTE	HFP03801	43 UNKNOWN	131,091	
NATIONAL SPACE BIOMEDICAL RESEARCH INSTITUTE	SUB NONE (CA00001)	43 UNKNOWN	38,331	
PHYSICAL SCIENCES INC.	67872-6606-46	43 UNKNOWN	102,129	
PREDICTIVE SCIENCE INC.	F/PREDICTIVE PSI-49953 MOK J26.0 11	43 UNKNOWN	(533)	
ROCHESTER INSTITUTE OF TECHNOLOGY	31264-01:5	43 UNKNOWN	2,710	
SALLY RIDE SCIENCE	NASA/SALLY RIDE SCIENCE/FLAMMER	43 UNKNOWN	(24,636)	
SOUTHWEST RESEARCH INSTITUTE	D99005L	43 UNKNOWN	22,603	

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				Total Federal Expenditures	Pass-Through to Subrecipients
STANFORD UNIVERSITY	A00-1350-015	43	UNKNOWN	291,548	
UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	Z11-92258:M04	43	UNKNOWN	8,805	
UNIVERSITY OF CENTRAL FLORIDA	66016028	43	UNKNOWN	33,629	
UNIVERSITY OF CHICAGO	40692	43	UNKNOWN	14,969	
UNIVERSITY OF COLORADO BOULDER	1551728	43	UNKNOWN	2,656,043	127,437
UNIVERSITY OF COLORADO BOULDER	1000013136	43	UNKNOWN	373,208	112,904
UNIVERSITY OF COLORADO BOULDER	1000023229	43	UNKNOWN	767,000	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	NASA/U OF COL/MURPHY/PO 0000069112	43	UNKNOWN	(351)	
UNIVERSITY OF ILLINOIS	20120430801	43	UNKNOWN	140,898	
UNIVERSITY OF MINNESOTA	X5336545101	43	UNKNOWN	1,148,255	
UNIVERSITY OF NEW HAMPSHIRE	13-041:03	43	UNKNOWN	170,906	
UNIVERSITY OF NEW HAMPSHIRE	14-081	43	UNKNOWN	47,576	
WYLE LABORATORIES	Sub PO T72614 (NNX14AN75G)	43	UNKNOWN	14,095	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13677.024-A	43	UNKNOWN	29,011	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB11A-CRLP-SO	43	UNKNOWN	(383)	
Subtotal Pass-Through and Partial Pass-Through Awards				25,209,844	2,602,938
Total National Aeronautics & Space Administration				158,964,178	31,256,385
NATIONAL FOUNDATION ARTS & HUMANITIES					
Direct Awards	Various	45	RD	1,435,022	15,269
Pass-Through and Partial Pass-Through					
BROWN UNIVERSITY	BROWN-202928-cyc1	45	160	37,799	
DIGITAL PUBLIC LIBRARY OF AMERICA	DPLA 1411 FARLEY 09/15 12%	45	169	(820)	
STEPHEN F. AUSTIN STATE UNIVERSITY	12-066-13-002	45	307	1,292	
CALIFORNIA STATE LIBRARY	007623	45	310	229,658	
Subtotal Pass-Through and Partial Pass-Through Awards				267,929	-
Total National Foundation Arts & Humanities				1,702,951	15,269
NATIONAL SCIENCE FOUNDATION					
Direct Awards	Various	47	RD	467,430,837	23,197,487
Direct Awards (ARRA)	Various	47	RD	525,237	80,300
Subtotal Direct Awards				467,956,074	23,277,787
Pass-Through and Partial Pass-Through					
ARIZONA STATE UNIVERSITY/TEMPE	12-819:02	47	041	(2,672)	
ARIZONA STATE UNIVERSITY/TEMPE	15742	47	041	292,297	
BIOINSPIRA, INC.	20151766	47	041	112,165	
CALIFORNIA INSTITUTE OF TECHNOLOGY	7E-1089348:6	47	041	1,551	
CARDIAC MOTION, LLC	201403401	47	041	117,419	
CASE WESTERN RESERVE UNIVERSITY	SUB 2013-0191 (CMMI-1134953)	47	041	19,624	
CITY UNIVERSITY OF NEW YORK	40E48-A	47	041	59,818	
CLEMSON UNIVERSITY RESEARCH FOUNDATION	SUB 1649-206-2009147 (CMMI-12	47	041	47,360	
COLORADO STATE UNIVERSITY	007837	47	041	47,575	
COLORADO STATE UNIVERSITY	G-00973-2	47	041	45,155	
COMMET, LLC	103733-CYC1	47	041	66,109	
CORNELL UNIVERSITY	44771-7475	47	041	133,072	

The accompanying notes are an integral part of this schedule.

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal		FY 2016	
		CFDA Number	Federal Expenditures	Total Federal Expenditures	Pass-Through to Subrecipients
CORNELL UNIVERSITY	70369-10329	47 041		111,212	
DNATREK, LLC	201503577	47 041		18,022	
GEORGIA INSTITUTE OF TECHNOLOGY	R3392-G1	47 041		43,240	
GEORGIA INSTITUTE OF TECHNOLOGY	RG382-G1	47 041		70,272	
INSTON, INC	INSTON 20133964 WANG 12/13 54%	47 041		281	
IOWA STATE UNIVERSITY	420-72-25-CYC9	47 041		308,236	
JOHNS HOPKINS UNIVERSITY	SUB 2001929066 (ERFI-1332344)	47 041		177,637	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MIT-5710003155-PETERSON-12/14	47 041		2,172	
NORTHWESTERN UNIVERSITY	SPO032077-PROJ0008536	47 041		52,715	
OHIO STATE UNIVERSITY	OHIO STATE UNIVERSITY-735818	47 041		3,664	
OHIO STATE UNIVERSITY	OHIO STATE UNIVERSITY-735818	47 041		33,725	
OHIO STATE UNIVERSITY	OHIO STATE UNIVERSITY-735818	47 041		16,942	
PHASE DIAGNOSTICS LLC	20155110	47 041		29,171	
PRINCETON PLASMA PHYSICS LABORATORY	S013865-U	47 041		47,853	
PURDUE UNIVERSITY	4101-51805	47 041		212,189	
PURDUE UNIVERSITY	NEES 4101-45661	47 041		19,129	
PURDUE UNIVERSITY	NEES-4101-34566 (CMMI-0927178)	47 041		1,729	
SERSENSE, INC.	201403590	47 041		50,385	
STANFORD UNIVERSITY	28139880-50542-C	47 041		875,653	
STANFORD UNIVERSITY	60359058-108886-C	47 041		50,038	
SYNVITROBIO, INC	20155140	47 041		3,875	
TRACE-ABILITY, INC	IIP-1446677	47 041		11,567	
UNIVERSITY OF ARIZONA	SUB Y502629 (EEC-0812072)	47 041		525,365	
UNIVERSITY OF ARIZONA	Y501118:8	47 041		21,204	
UNIVERSITY OF CENTRAL FLORIDA	UCF-105305-CYC1	47 041		49,652	
UNIVERSITY OF ILLINOIS	2011-01632-02	47 041		8,575	
UNIVERSITY OF ILLINOIS	2012-03500-02	47 041		180,638	
UNIVERSITY OF ILLINOIS	2014-04512-01	47 041		81,440	
UNIVERSITY OF KANSAS/KU CENTER FOR RESEARCH, INC.	FY2011-031-M3	47 041		58,067	
UNIVERSITY OF MICHIGAN	3002735491	47 041		17,600	
UNIVERSITY OF SOUTH CAROLINA	162918	47 041		4,517	
UNIVERSITY OF SOUTHERN CALIFORNIA	58669052	47 041		183,517	
UNIVERSITY OF TEXAS-AUSTIN	Sub UTA15-000855 (1520817)	47 041		25,512	
UNIVERSITY OF TEXAS-AUSTIN	UTA12-000944	47 041		403,541	
UNIVERSITY OF TEXAS-AUSTIN	UTA15-000860	47 041		19,512	
UNIVERSITY OF WASHINGTON	739923	47 041		72,601	
UNIVERSITY OF WASHINGTON	UWSC7074	47 041		5,000	
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	VIRGINIA POLYTECH INST 478758-19326	47 041		6,021	
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	479198-19905-cyc1	47 041		18,389	
UNIVERSITY OF MARYLAND, BALTIMORE COUNTY	SC-0000015277	47 041		53,127	
TEMPLE UNIVERSITY	330162-18110	47 047		57,243	
UNIVERSITY OF WASHINGTON	744909	47 047		156,727	
ASSOCIATED UNIVERSITIES, INC	20154787	47 049		34,907	
ASSOCIATED UNIVERSITIES, INC	20155187	47 049		28,683	
ASSOCIATED UNIVERSITIES, INC	ASSOCIATED UNIVERSITIES, INC-AST-08	47 049		6,796	

The accompanying notes are an integral part of this schedule.

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				Total Federal Expenditures	Pass-Through to Subrecipients
ASSOCIATED UNIVERSITIES, INC	350584	47	049	499	
ASSOCIATED UNIVERSITIES, INC	SOSPA3-013-cyc1	47	049	9,026	
ASSOCIATED UNIVERSITIES, INC	SUB NRAO (AST-0836064)	47	049	5,005	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	1202910	47	049	421,264	
CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	11678:2	47	049	7,292	
CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	11934	47	049	219,578	
CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	13401	47	049	4,734	
CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	KECK OBS 11334 EPPS 9/16	47	049	5,827	
CALIFORNIA INSTITUTE OF TECHNOLOGY	44Q-1092164	47	049	33,877	
CALIFORNIA INSTITUTE OF TECHNOLOGY	68D1094593	47	049	234,952	
CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	S13-0007	47	049	(39)	
CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	S15-0001	47	049	17,677	
COLD SPRING HARBOR LABORATORY	52380212	47	049	67,592	
COLUMBIA UNIVERSITY	3 (GG006897);3	47	049	109,689	
COLUMBIA UNIVERSITY	CU-53010-cyc10	47	049	87,176	
DREXEL UNIVERSITY	235743-3668	47	049	27,474	
DUKE UNIVERSITY	14-NSF-1017	47	049	20,061	
EMORY UNIVERSITY	T259403-CYC1	47	049	27,403	
EMORY UNIVERSITY	T259404	47	049	169,135	
EMORY UNIVERSITY	T260138	47	049	97,820	
EMORY UNIVERSITY	T439063-cyc1	47	049	117,888	
GEORGIA INSTITUTE OF TECHNOLOGY	RB011-G6	47	049	14,961	
GEORGIA INSTITUTE OF TECHNOLOGY	RG173-G1	47	049	34,554	
JACKSON STATE UNIVERSITY	633156-UCSB	47	049	155,445	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	20154978	47	049	38,296	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003858	47	049	51,778	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003959	47	049	342	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003976	47	049	32,286	
OHIO STATE UNIVERSITY	60046604	47	049	67,142	
OHIO STATE UNIVERSITY	60046614	47	049	78,543	
OREGON STATE UNIVERSITY	S1412A-B	47	049	161,997	
OREGON STATE UNIVERSITY	S1412A-C	47	049	133,380	
PENNSYLVANIA STATE UNIVERSITY	5148-UCB-NSF-0620	47	049	60,570	
PENNSYLVANIA STATE UNIVERSITY	5182-UC-NSF-0620-cyc1	47	049	11,586	
PRINCETON UNIVERSITY	1120138	47	049	1,352,030	
RICE UNIVERSITY	Sub R3E031 (DMS-1309542)	47	049	128,647	
SRI INTERNATIONAL	139-000030	47	049	53,312	
STANFORD UNIVERSITY	60209216-106401-A	47	049	13,684	
UNIVERSITY OF GEORGIA	RR185-427/4787526	47	049	255,948	
UNIVERSITY OF MARYLAND	10694-Z4165001	47	049	131,548	
UNIVERSITY OF MICHIGAN	3002144648-CYC2	47	049	4,456	
UNIVERSITY OF MICHIGAN	3002193571	47	049	(34)	
UNIVERSITY OF MICHIGAN	3003700329	47	049	30,667	
UNIVERSITY OF MICHIGAN	3003700330-cyc1	47	049	61,318	
UNIVERSITY OF MINNESOTA	UNIVERSITY OF MINNESOTA-A004088503	47	049	10,158	

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		CFDA Number	Federal Expenditures	Total Federal Expenditures	Pass-Through to Subrecipients
UNIVERSITY OF MISSOURI	C00047906-1	47 049		39,264	
UNIVERSITY OF TEXAS-EL PASO	2014057876	47 049		86,528	
UNIVERSITY OF UTAH	10030555	47 049		26,284	
UNIVERSITY OF WASHINGTON	744898	47 049		15,971	
UNIVERSITY OF WASHINGTON	745929	47 049		104,706	
UNIVERSITY OF WASHINGTON	755097:1	47 049		208,502	
UNIVERSITY OF WISCONSIN-MADISON	658K210-cyc1	47 049		147,099	
UNIVERSITY OF WISCONSIN-MADISON	sUB 408K133 (PHY-1148698)	47 049		523,712	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	A15-0091-001	47 049		56,865	
CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	KECK OBSERVATORY 11672 ROCK 6/15	47 049		1,912	
INDIANA UNIVERSITY	BL-4830927-UCSC	47 049		11,093	
ARIZONA GEOLOGICAL SURVEY, THE	NSF/AGS (EAR-0753154) BARU	47 050		(49)	
ARIZONA STATE UNIVERSITY/TEMPE	006585	47 050		244,278	
BOSTON UNIVERSITY	4500001274	47 050		7,962	
CALIFORNIA INSTITUTE OF TECHNOLOGY	681096456	47 050		1,155	
CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	ANT-1142122	47 050		96,827	
CALIFORNIA STATE UNIVERSITY, SAN JOSE STATE UNIVERSITY FOUNDATION	SJSU FDN SC1485 SANTORA 3/16	47 050		536	
COLORADO STATE UNIVERSITY	G-3624-5	47 050		19	
COLORADO STATE UNIVERSITY	SUB 20101139 (ATM0425247)	47 050		20,891	
COLUMBIA UNIVERSITY	1 (GG008523)	47 050		836	
COLUMBIA UNIVERSITY	15(GG009393)	47 050		7,605	
COLUMBIA UNIVERSITY	2(GG009393-01)	47 050		260,361	
COLUMBIA UNIVERSITY	3 (GG008992)	47 050		112,712	
COLUMBIA UNIVERSITY	3(GG008855)	47 050		81,379	
CONSORTIUM FOR OCEAN LEADERSHIP	CSRTM OCN LSHP T343A7 BRDSKY 1/15	47 050		(1)	
CONSORTIUM FOR OCEAN LEADERSHIP	NSF/COL O&M SA 9-08 ORCUTT	47 050		(9,171)	
CONSORTIUM FOR OCEAN LEADERSHIP	FP NSF/COL T330A22 GEE 26%	47 050		1	
CONSORTIUM FOR OCEAN LEADERSHIP	A00-0816-006	47 050		16,027	
CONSORTIUM FOR OCEAN LEADERSHIP	BA-102:02	47 050		5,919	
CONSORTIUM FOR OCEAN LEADERSHIP	PO#T350A110:01	47 050		11,982	
CONSORTIUM FOR OCEAN LEADERSHIP	SA 9-08	47 050		(88,053)	(1,182)
CONSORTIUM FOR OCEAN LEADERSHIP	T342A22	47 050		12	
CONSORTIUM FOR OCEAN LEADERSHIP	T342B22	47 050		26	
CONSORTIUM FOR OCEAN LEADERSHIP	T350A38	47 050		52,310	
DAUPHIN ISLAND SEA LAB	2507JK-UCSB-01	47 050		2,213	
DUKE UNIVERSITY	A15-0024-001	47 050		12,434	
FRANKLIN & MARSHALL COLLEGE	13-001	47 050		14,942	
INCORPORATED RESEARCH INSTITUTIONS FOR SEISMOLOGY	08-UCSD-SAGE	47 050		3,526,462	
INCORPORATED RESEARCH INSTITUTIONS FOR SEISMOLOGY	09-UCSD (MD)-SAGE	47 050		608,795	
INCORPORATED RESEARCH INSTITUTIONS FOR SEISMOLOGY	IRIS 56-OMO	47 050		1,916,794	
INCORPORATED RESEARCH INSTITUTIONS FOR SEISMOLOGY	Sub 92-UCSD-ECBB (ICER-1343709	47 050		53,467	
INTEGRATED OCEAN DRILLING PROGRAM	NSF/IODP/MILLER	47 050		(199)	
J&F ENTERPRISE	001-CYC1	47 050		4,529	
JOHNS HOPKINS UNIVERSITY	110284:3	47 050		6,562	
JOHNS HOPKINS UNIVERSITY	2001377399	47 050		106,211	

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		CFDA Number	Federal Expenditures	Total Federal Expenditures	Pass-Through to Subrecipients
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003955	47 050		34,472	
OLD DOMINION UNIVERSITY RESEARCH FOUNDATION	15-186-100257-10	47 050		64,743	
PENNSYLVANIA STATE UNIVERSITY	4755-UCB-NSF-0507	47 050		174,579	
PENNSYLVANIA STATE UNIVERSITY	5038-UC-NSF-0507	47 050		33,032	
PRINCETON UNIVERSITY	SUB0000001:1	47 050		10,592	
PRINCETON UNIVERSITY	SUB0000008	47 050		495,111	
STROUD WATER RESEARCH CENTER	Sub 340036-55900 (EAR-1332257)	47 050		134,626	
THE UNIVERSITY OF ALABAMA IN HUNTSVILLE	SUB 2014-107 (AGS-1358386)	47 050		29,697	
TUFTS UNIVERSITY	101180-00001	47 050		43,740	
UNAVCO, INC.	UNAVCO S13-EAR1261833-S3	47 050		243,902	
UNIVERSITY AT BUFFALO (A STATE UNIVERSITY OF NEW YORK CAMPUS)	R983146	47 050		12,900	
UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	Sub Z14-16839 (AGS-0753581)	47 050		64,270	
UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	Sub Z15-12798 (AGS-1344155)	47 050		19,791	
UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	Z15-13065	47 050		26,627	
UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	Z15-16975-cyc1	47 050		34,524	
UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	Z15-19193-cyc1	47 050		1,361	
UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	Z16-21927-cyc1	47 050		1,268	
UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	Z16-22493-cyc1	47 050		24,956	
UNIVERSITY OF CHICAGO	FP052668	47 050		111,837	
UNIVERSITY OF CHICAGO	FP052668-D	47 050		538,734	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	1553802	47 050		14,037	
UNIVERSITY OF HAWAII AT HILO	MA130031	47 050		30,532	
UNIVERSITY OF HAWAII AT MANOA	MA140007	47 050		5,123	
UNIVERSITY OF HAWAII AT MANOA	MA150018	47 050		24,644	
UNIVERSITY OF ILLINOIS	2009-01053-02	47 050		2,703	
UNIVERSITY OF ILLINOIS	2013-00423-01-cyc1	47 050		40,875	
UNIVERSITY OF ILLINOIS	2014-04289-03-00	47 050		92,050	
UNIVERSITY OF ILLINOIS	A00-1520-005	47 050		120,151	
UNIVERSITY OF MIAMI	P148130	47 050		15,831	
UNIVERSITY OF MIAMI	S15-15-cyc1	47 050		11,961	
UNIVERSITY OF MIAMI	S15-49	47 050		141,608	
UNIVERSITY OF MIAMI	S15-50	47 050		291,171	
UNIVERSITY OF MINNESOTA	A003176707	47 050		34,321	
UNIVERSITY OF NEW HAMPSHIRE	14-063	47 050		81,553	
UNIVERSITY OF NEW HAMPSHIRE	16-001	47 050		11,509	
UNIVERSITY OF OREGON	208991D	47 050		40,524	
UNIVERSITY OF ROCHESTER	416111-G	47 050		30,076	
UNIVERSITY OF SOUTH FLORIDA	2500156500A	47 050		80,150	
UNIVERSITY OF SOUTHERN CALIFORNIA	149703-002	47 050		226,096	
UNIVERSITY OF SOUTHERN CALIFORNIA	UNIV OF S. CA; 32774854-NSF FFT	47 050		10,005	
UNIVERSITY OF SOUTHERN CALIFORNIA	33312147-4 (63767447)	47 050		645	
UNIVERSITY OF SOUTHERN CALIFORNIA	33312147-4(63767447)	47 050		13,609	
UNIVERSITY OF SOUTHERN CALIFORNIA	39073248	47 050		1,006	
UNIVERSITY OF SOUTHERN CALIFORNIA	40244683-CYC3	47 050		2,654	
UNIVERSITY OF SOUTHERN CALIFORNIA	USC/NSF 3312147 KAGAN 1/17 54%	47 050		1,088	

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		CFDA Number	Federal Expenditures	Total Federal Expenditures	Pass-Through to Subrecipients
UNIVERSITY OF SOUTHERN CALIFORNIA	USC/NSF 33312147 RHODES 1/17 54%	47 050		(498)	
UNIVERSITY OF SOUTHERN CALIFORNIA	USC/NSF 33312147 DAVIS 1/17 26%	47 050		845	
UNIVERSITY OF SOUTHERN CALIFORNIA	61258056-cyc1	47 050		19,996	
UNIVERSITY OF SOUTHERN CALIFORNIA	62149902	47 050		25,010	
UNIVERSITY OF SOUTHERN CALIFORNIA	62581703	47 050		19,064	
UNIVERSITY OF SOUTHERN CALIFORNIA	USC/NSF 333312147 JACKSON 1/17 54%	47 050		2,965	
UNIVERSITY OF SOUTHERN CALIFORNIA	USC/NSF 33312147 JACKSON 1/17 54%	47 050		3,759	
UNIVERSITY OF SOUTHERN CALIFORNIA	USC/NSF 33312147 JACKSON 1/17 54%	47 050		3,794	
UNIVERSITY OF SOUTHERN CALIFORNIA	USC/NSF 33312147 AKCIZ 1/17 26%	47 050		10,135	
UNIVERSITY OF SOUTHERN CALIFORNIA	USC/NSF 33312147 AKCIZ 1/17 26%	47 050		13,358	
UNIVERSITY OF SOUTHERN CALIFORNIA	USC/NSF 33312147 JACKSON 01/17 54%	47 050		516	
UNIVERSITY OF SOUTHERN CALIFORNIA	A00-0823-007	47 050		88,328	
UNIVERSITY OF SOUTHERN CALIFORNIA	A00-0936-007	47 050		2,008	
UNIVERSITY OF SOUTHERN CALIFORNIA	EAR-1033462	47 050		3,706	
UNIVERSITY OF SOUTHERN CALIFORNIA	SUB 53899157 (EAR-1349180)	47 050		49,676	
UNIVERSITY OF SOUTHERN CALIFORNIA	Y81716	47 050		23,468	
UNIVERSITY OF SOUTHERN CALIFORNIA	Y86195	47 050		25,000	
UNIVERSITY OF SOUTHERN CALIFORNIA	Y86552-A	47 050		46,052	
UNIVERSITY OF SOUTHERN CALIFORNIA	Y86552-R	47 050		29,760	
UNIVERSITY OF SOUTHERN CALIFORNIA	Y86552-S	47 050		8,587	
UNIVERSITY OF SOUTHERN CALIFORNIA	Y86564	47 050		146,675	
UNIVERSITY OF SOUTHERN CALIFORNIA	Y88412	47 050		46,374	
UNIVERSITY OF TEXAS-AUSTIN	UTA11-001081	47 050		83,741	
UNIVERSITY OF WASHINGTON	682873	47 050		18,540	
UNIVERSITY OF WASHINGTON	735344	47 050		54,383	
UNIVERSITY OF WASHINGTON	762538	47 050		23,677	
UNIVERSITY OF WASHINGTON	UWSC7990	47 050		70,555	
WOODS HOLE OCEANOGRAPHIC INSTITUTION	NSF/WHOI MREFC SEND	47 050		(85,902)	
WOODS HOLE OCEANOGRAPHIC INSTITUTION	A100657	47 050		182,301	
WOODS HOLE OCEANOGRAPHIC INSTITUTION (ARRA)	NSF/WHOI ARRA 20100891 SEND	47 050		(47,875)	
COLUMBIA UNIVERSITY	A16-0326-001	47 050		40,101	
CONSORTIUM FOR OCEAN LEADERSHIP	CSRTM OCN LSHP SAF1401 RVLO 9/15	47 050		6,226	
CONSORTIUM FOR OCEAN LEADERSHIP	CSRTM OCN LSHP T347A7 PYTAN 1/16	47 050		1,623	
CONSORTIUM FOR OCEAN LEADERSHIP	CSRTM OCN LSHP T350A7 GILL 1/16	47 050		788	
UNIVERSITY OF HAWAII AT MANOA	UNIV HAW MA140005 MCARTH 12/16	47 050		13,415	
UNIVERSITY OF NEW MEXICO	A16-0471-001	47 050		212,664	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	A15-0146-001	47 050		15,381	
UNIVERSITY OF SOUTHERN CALIFORNIA	A00-0936-008	47 050		30,613	
BINGHAMTON UNIVERSITY	007239	47 070		77,528	
COMPUTING RESEARCH ASSOCIATION	UCLA_ALLIANCE001	47 070		39,667	
CORNELL UNIVERSITY	76221-10547	47 070		33,660	
GEORGIA INSTITUTE OF TECHNOLOGY	RD199-G11-cyc1	47 070		6,892	
HDF GROUP	05-15	47 070		62,413	
INDIANA UNIVERSITY	UA4812506UCD	47 070		163,657	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003559:1	47 070		125,059	

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
NORTHWESTERN UNIVERSITY	SPO029341 Proj0007719 (ACI-145)	47 070	82,422	
OHIO STATE UNIVERSITY	GRT00038045	47 070	27,686	
PENNSYLVANIA STATE UNIVERSITY	5038-UCSB-NSF-3052	47 070	61,767	
PURDUE UNIVERSITY	4101-38048	47 070	703,716	
PURDUE UNIVERSITY	4101-68868	47 070	18,632	
PURDUE UNIVERSITY	Sub 4101-38049 (CCF-0939370)	47 070	59,344	
RAYTHEON COMPANY	9500012166	47 070	58,950	
RENAISSANCE COMPUTING INSTITUTE	Sub 5037380 (ACI-1440715)	47 070	14,204	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	5653	47 070	236,358	
UNIVERSITY OF ILLINOIS	2011-01365-01	47 070	(5,550)	
UNIVERSITY OF ILLINOIS	Sub 2007-01077-55 (CSA OCI-072)	47 070	36,995	
UNIVERSITY OF ILLINOIS	Sub 2014-00475-01(AA455) (IIS-	47 070	4,709	
UNIVERSITY OF ILLINOIS AT CHICAGO	Sub 20151074 (CNS-1456638)	47 070	193,295	
UNIVERSITY OF MASSACHUSETTS AMHERST	13-007361 A 00-CYC1	47 070	140,647	
UNIVERSITY OF MICHIGAN	SUB 3002984028 (CNS-1419243)	47 070	36,378	
UNIVERSITY OF NEW MEXICO	007941	47 070	8,260	
UNIVERSITY OF NEW MEXICO	063045-873R	47 070	593,112	
UNIVERSITY OF SOUTHERN CALIFORNIA	20154552	47 070	56,105	
UNIVERSITY OF TEXAS-DALLAS	100265	47 070	3,955	
UNIVERSITY OF WASHINGTON	20144885	47 070	112,073	
UNIVERSITY OF WISCONSIN-MADISON	552K650	47 070	90,911	
VANDERBILT UNIVERSITY	3833-019899	47 070	5,254	
UNIVERSITY OF ARIZONA	Y503161	47 071	260,886	
AMERICAN SOCIETY FOR CELL BIOLOGY	201400396	47 074	25,708	
BARNARD COLLEGE	UCD1455957	47 074	80,543	
BIGELOW LABORATORY FOR OCEAN SCIENCES	BLOS2015001	47 074	127,428	
BROWN UNIVERSITY	00000776	47 074	11,241	
CARY INSTITUTE OF ECOSYSTEM STUDIES	3161/200201406	47 074	9,076	
CARY INSTITUTE OF ECOSYSTEM STUDIES	3298/200201818	47 074	5,846	
CHAPMAN UNIVERSITY	500223-0001-cyc1	47 074	48,222	
CHAPMAN UNIVERSITY	CHAPMAN UNIVERSITY-2015-001	47 074	1,242	
COLORADO STATE UNIVERSITY	G25762	47 074	9,449	
COLORADO STATE UNIVERSITY	G-4023-2	47 074	183,712	
CORNELL UNIVERSITY	61468 9517	47 074	9,701	
CORNELL UNIVERSITY	6718310110	47 074	357,885	
CORNELL UNIVERSITY	69714-10149 HOLTON	47 074	28,023	
DANFORTH FOUNDATION	Sub 22707-UCSD (MCB-1330562)	47 074	29,075	
DUKE UNIVERSITY	10-NSF-1065	47 074	(316)	
DUKE UNIVERSITY	333-2160	47 074	63,126	
FLORIDA STATE UNIVERSITY	FSU R01821 REZNICK 5/19	47 074	30,069	
HARVARD UNIVERSITY	1338725086581	47 074	180,380	
IOWA STATE UNIVERSITY	420-40-45D	47 074	277,897	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Massachusetts Inst. of Tech #57100	47 074	162,165	
MICHIGAN TECHNOLOGICAL UNIVERSITY	006931	47 074	304,375	
MONTANA STATE UNIVERSITY	Sub G103-14-W4431 (DBI-1254309)	47 074	126,260	

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		Federal CFDA Number	Total Federal Expenditures	
NEVADA SYSTEM OF HIGHER EDUCATION	UNR-16-23	47 074	33,827	
OKLAHOMA STATE UNIVERSITY	AA-5-54654	47 074	234,617	
PENNSYLVANIA STATE UNIVERSITY	005648	47 074	(352)	
PENNSYLVANIA STATE UNIVERSITY	5280-UC-DHHS-6044	47 074	64,813	
RANCHO SANTA ANA BOTANIC GARDEN	005351	47 074	17,871	
RANCHO SANTA ANA BOTANIC GARDEN	RSA-11-0956417D-703	47 074	1,719	
RICE UNIVERSITY	20131304	47 074	29,076	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	20132841	47 074	1,742,442	
SALK INSTITUTE FOR BIOLOGICAL STUDIES	SUB 20134325 (MCB-1344299)	47 074	89,494	
STANFORD UNIVERSITY	61091724-118374	47 074	765	
THE SCRIPPS RESEARCH INSTITUTE	SUB 5-75499 (MCB-1121959)	47 074	(530)	
UNIVERSITY AT BUFFALO (A STATE UNIVERSITY OF NEW YORK CAMPUS)	R877841	47 074	232,213	
UNIVERSITY OF ALASKA	UAF 15-0072	47 074	38,065	
UNIVERSITY OF ARIZONA	152976	47 074	154,004	
UNIVERSITY OF FLORIDA	UFDSP00011009	47 074	4,633	
UNIVERSITY OF GEORGIA	007057	47 074	73,345	
UNIVERSITY OF GEORGIA	UNIVERSITY OF GEORGIA-RR167-627/S00	47 074	15,750	
UNIVERSITY OF GEORGIA	RR1675404694828	47 074	48,697	
UNIVERSITY OF HAWAII AT MANOA	Z792090-019	47 074	86,599	
UNIVERSITY OF ILLINOIS	Sub 2013-00608-01-00 (IOS-1257	47 074	32,494	
UNIVERSITY OF MARYLAND	SUB Z355901 (IOS 1025837)	47 074	2,597	
UNIVERSITY OF MARYLAND	Z3708011	47 074	74,296	
UNIVERSITY OF MICHIGAN	UMA-3003046693-GRIG-02/17	47 074	61,534	
UNIVERSITY OF MINNESOTA	D002520602	47 074	64,817	
UNIVERSITY OF NEW MEXICO	04803T-8700	47 074	26,621	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	SUB 5-37293 (IOS-1343020)	47 074	219,797	
UNIVERSITY OF NOTRE DAME (INCL GEM)	202236	47 074	47,659	
UNIVERSITY OF PUERTO RICO	2014-0	47 074	52,261	
UNIVERSITY OF PUERTO RICO	2016-002	47 074	193	
UNIVERSITY OF SOUTHERN CALIFORNIA	64141351	47 074	166,883	
UNIVERSITY OF TENNESSEE	A150127S001	47 074	662	
UNIVERSITY OF TEXAS-AUSTIN	UTA13-000215	47 074	96,611	
UNIVERSITY OF THE STATE OF NEW YORK, THE	FFT NSF/USNY FOUNTAIN	47 074	(777)	
UNIVERSITY OF WASHINGTON	726916:3	47 074	15,508	
UNIVERSITY OF WYOMING	1002790A	47 074	6,492	
UNIVERSITY OF WYOMING	NSF40391	47 074	41,508	
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	47898919326	47 074	63,354	2,850
WASHINGTON STATE UNIVERSITY	B 121253 G003275 (IOS 1344288)	47 074	5,476	
JOHNS HOPKINS UNIVERSITY	A00-0877-003	47 074	99,288	
NORTHERN ARIZONA UNIVERSITY	A00-1073-002	47 074	98,649	
AMERICAN SOCIOLOGICAL ASSOCIATION	ASA-203490-cyc1	47 075	7,000	
ARIZONA STATE UNIVERSITY/TEMPE	16-823	47 075	1,292	
ASSOCIATION FOR INSTITUTIONAL RESEARCH	DG15-8891	47 075	11,400	
BOSTON UNIVERSITY	007901	47 075	3,538	
GALLAUDET UNIVERSITY	SUB 0000022680 (SBE-1041725)	47 075	1,353	

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		CFDA Number	Federal Expenditures	Total Federal Expenditures	Pass-Through to Subrecipients
GEORGETOWN UNIVERSITY	GR409958	47 075		20,192	
HARVARD UNIVERSITY	133873-5090398	47 075		18,348	
HARVARD UNIVERSITY	Sub 136373-5089005 (SES-150008	47 075		31,570	
HAUPTMAN-WOODWARD MEDICAL RESEARCH INSTITUTE, INC.	1306-3	47 075		4,342	
NATIONAL BUREAU OF ECONOMIC RESEARCH, INC	NATL BUREAU OF EC. RES. INC; NSF F	47 075		73,248	
NATIONAL BUREAU OF ECONOMIC RESEARCH, INC	38-3620-00-0-79-733-7700	47 075		22,558	
SYRACUSE UNIVERSITY	27510-03710-S01-cyc2	47 075		52,508	
TEMPLE UNIVERSITY	330162-UCLA:2	47 075		40,795	
UNIVERSITY OF MICHIGAN	3003321372	47 075		16,596	
UNIVERSITY OF WISCONSIN-MADISON	498K982	47 075		103,109	
UNIVERSITY OF WISCONSIN-MADISON	BCS-1147593	47 075		14,779	
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-16-62	47 075		23,770	
AMERICAN MUSEUM OF NATURAL HISTORY	3-2014	47 076		228,773	
BATES COLLEGE	005615	47 076		26,453	
COLORADO STATE UNIVERSITY	G-3062-7	47 076		22,704	
CONCORD CONSORTIUM, THE	282-02.01	47 076		4,099	
EDUCATION DEVELOPMENT CENTER, INC.	038333	47 076		173,727	
GEORGIA INSTITUTE OF TECHNOLOGY	RD210-G1	47 076		4,612	
HARVARD UNIVERSITY	123930-5097974-cyc1	47 076		7,650	
MUSEUM OF SCIENCE	007104	47 076		4,239	
NATIONAL ACADEMY OF ENGINEERING	2000004292:01	47 076		11,134	
NATIONAL WRITING PROJECT	SUB 92-CA07-NSF2013	47 076		142	
NORTHWESTERN UNIVERSITY	SP0009801-PROJ0002728	47 076		38,965	
OCEAN DISCOVERY INSTITUTE	UCSD# 2013-2457	47 076		2,517	
PURDUE UNIVERSITY	410156088	47 076		6,799	
RAND CORP	9920160031	47 076		539	
RICE UNIVERSITY	R3F911	47 076		452	
UNIVERSITY OF KANSAS/KU CENTER FOR RESEARCH, INC.	FY2016056	47 076		16,600	
UNIVERSITY OF MICHIGAN	3003356473-cyc1	47 076		537,553	
UNIVERSITY OF MICHIGAN	3003593049	47 076		57,279	
UNIVERSITY OF SAN DIEGO	F12078-U2013-005	47 076		126,948	
UNIVERSITY OF SAN DIEGO	MARSS1172-U2014-003	47 076		163,102	
UNIVERSITY OF WISCONSIN-MADISON	SUB 490K884 (DUE-1231286)	47 076		48,421	
WESTED	S11-208-CYC2	47 076		39,557	
ARIZONA STATE UNIVERSITY/TEMPE	12-762	47 076		(5,562)	
MICHIGAN STATE UNIVERSITY	61-2349UCB	47 076		(5,386)	
MICHIGAN STATE UNIVERSITY	RC104101UCB	47 076		90,658	
STEVENS INSTITUTE OF TECHNOLOGY	SUB 2102411-01 (DUE-1407123)	47 076		29,989	
UNIVERSITY OF ILLINOIS	U OF ILLINOIS NSF IGERT LEPPERT 07/	47 076		28,728	
VANDERBILT UNIVERSITY	22511-S1	47 076		2,014	
UNIVERSITY OF CHICAGO	UOC-34252A-HOLZAPFEL-FNL	47 078		94	
UNIVERSITY OF WISCONSIN-MADISON	272K031	47 078		110,084	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	57387A P3013 7802 211:4	47 079		263,866	
OHIO STATE UNIVERSITY	RF01234341	47 079		28,495	
OREGON STATE UNIVERSITY	S1315A-B	47 079		148,880	

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal CFDA Number		FY 2016	
				Total Federal Expenditures	Pass-Through to Subrecipients
CONSORTIUM OF UNIV FOR THE ADVANCEMENT OF HYDROLOGIC SCIENCE, INC.	SUB 20123297 (OCI-1234680)	47	080	45,597	
UNIVERSITY OF ILLINOIS	2007-01077-37	47	080	18,333	
UNIVERSITY OF ILLINOIS	20105006	47	080	47,086	
UNIVERSITY OF ILLINOIS	2011-00318-07	47	080	149,712	
UNIVERSITY OF ILLINOIS	SUB 2011-00318-13 (OCI-105357)	47	080	1,394,860	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	SUB 5-37146 (OCI-0940841)	47	080	401,670	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	SUB 5-37360 (OCI-1148090)	47	080	(345)	
UNIVERSITY OF SOUTHERN CALIFORNIA	36558820	47	080	10,828	
UNIVERSITY OF SOUTHERN CALIFORNIA	SUB 33756949 (OCI-1148493)	47	080	850	
UNAVCO, INC.	UNAVCO-EAR-0732947-S7-ALL-FNL	47	082	(1,043)	
UNIVERSITY OF ILLINOIS	2015-02361-01	47	083	11,311	
UNIVERSITY OF SOUTHERN CALIFORNIA	72781708	47	083	24,200	
UNIVERSITY OF SOUTHERN CALIFORNIA	A16-0468-001	47	083	348	
AMERICAN EDUCATIONAL RESEARCH ASSOCIATION	201400493	47	UNKNOWN	14,122	
AMERICAN SOCIETY FOR BIOCHEMISTRY AND MOLECULAR BIOLOGY	SB150021	47	UNKNOWN	1,227	
COLORADO STATE UNIVERSITY	CSU-G-3232-2-LEONE-06/14	47	UNKNOWN	49	
FLUENCY LIGHTING TECHNOLOGIES	SB160083	47	UNKNOWN	17,915	
HARVARD UNIVERSITY	130783-5097125	47	UNKNOWN	5,888	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-8612-4609	47	UNKNOWN	130,718	
NATIONAL BUREAU OF ECONOMIC RESEARCH, INC	343509000794227700	47	UNKNOWN	12,076	
OHIO STATE UNIVERSITY	735818	47	UNKNOWN	1,971	
SEMICONDUCTOR RESEARCH CORPORATION	006095	47	UNKNOWN	70,867	
TENNESSEE STATE UNIVERSITY	034250	47	UNKNOWN	84	
UNIVERSITY OF MINNESOTA	A004088504	47	UNKNOWN	387,996	
UNIVERSITY OF SOUTHERN CALIFORNIA	007067	47	UNKNOWN	11,626	
UNIVERSITY OF SOUTHERN CALIFORNIA	007699	47	UNKNOWN	11,972	
UNIVERSITY OF WASHINGTON	UWSC8357	47	UNKNOWN	12,318	
WESTED	WESTED- -COHEN,RO-01/16	47	UNKNOWN	22,343	
ASTRONOMICAL SOCIETY OF THE PACIFIC, THE	2014-03	47	UNKNOWN	34,160	
GEORGIA INSTITUTE OF TECHNOLOGY	004262	47	UNKNOWN	6,364	
GEORGIA INSTITUTE OF TECHNOLOGY	GEORGIA INSTITUTE OF-UCD2012P07	47	UNKNOWN	9,470	
K2 COMMUNICATIONS	201301455	47	UNKNOWN	19,258	
Subtotal Pass-Through and Partial Pass-Through Awards				37,532,978	1,668
Total National Science Foundation				505,489,052	23,279,455
DEPARTMENT OF VETERANS AFFAIRS					
Direct Awards	Various	64	RD	8,771,832	
Total Department of Veterans Affairs				8,771,832	-
ENVIRONMENTAL PROTECTION AGENCY					
Direct Awards	Various	66	RD	6,382,715	666,568
Pass-Through and Partial Pass-Through					
CALIFORNIA STATE COASTAL CONSERVANCY	12065	66	126	201,016	
HEALTH EFFECTS INSTITUTE	UCSF #A118773	66	306	39,474	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1110173	66	468	(483)	

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GEORGIA INSTITUTE OF TECHNOLOGY	RE404-G1-cyc2	66 500	5,996	
COLORADO STATE UNIVERSITY	G-58008-1-CYC1	66 509	50,121	
FHI 360	007144	66 509	13,364	
STATE UNIVERSITY OF NEW YORK	64614-3-1110369	66 509	423	
UNIVERSITY OF ILLINOIS	2012-06652-04-CYC1	66 509	35,151	
UNIVERSITY OF IOWA	005719	66 509	86,766	
UNIVERSITY OF MICHIGAN	3002024856:06	66 509	57,080	
UNIVERSITY OF NORTH CAROLINA SYSTEM	5754601602	66 509	6,383	
UNIVERSITY OF WASHINGTON	UOW/USEPA 758052 WATSON 8/14 26%	66 509	(3)	
UNIVERSITY OF WASHINGTON	WASHING/EPA 432797 WATSON 07/14 26%	66 509	(173)	
CALIFORNIA DEPARTMENT OF PESTICIDE REGULATION	15C0091	66 605	25,017	
ABT ASSOCIATES INC.	44149	66 708	38,473	
CALIFORNIA DEPARTMENT OF PESTICIDE REGULATION	006735	66 UNKNOWN	130,812	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	CALIFORNIA DEPARTMENT OF PUBLI-ADVA	66 UNKNOWN	977	
EASTERN RESEARCH GROUP, INC.	007812	66 UNKNOWN	3,450	
STATE WATER RESOURCES CONTROL BOARD	STATE WATER RESOURCES CONTROL-14-08	66 UNKNOWN	460,604	
UNIVERSITY OF WASHINGTON	760293	66 UNKNOWN	106,280	
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	15650	66 UNKNOWN	334,288	
Subtotal Pass-Through and Partial Pass-Through Awards			1,595,016	-
Total Environmental Protection Agency			7,977,731	666,568
NUCLEAR REGULATORY COMMISSION				
Direct Awards	Various	77 RD	1,230,057	153,682
Total Nuclear Regulatory Commission			1,230,057	153,682
DEPARTMENT OF ENERGY				
Direct Awards	Various	81 RD	112,868,304	9,097,923
Direct Awards (ARRA)	Various	81 RD	422,943	42,151
Subtotal Direct Awards			113,291,247	9,140,074
Pass-Through and Partial Pass-Through				
GENERAL ATOMICS	4500059737-cyc1	81 036	52,728	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B610987	81 036	84,872	
OAK RIDGE NATIONAL LABORATORY	4000136272-cyc1	81 036	389,951	85,423
AERODYNE RESEARCH, INC.	ARI 10978-5-cyc1	81 049	139,308	
AEROSOL DYNAMICS, INC.	3528	81 049	80,902	
AEROSOL DYNAMICS, INC.	3641-cyc1	81 049	67,897	
BINGHAMTON UNIVERSITY	039699	81 049	120,404	
BUCK INSTITUTE FOR RESEARCH ON AGING	SA29494	81 049	211,609	
CALIFORNIA INSTITUTE OF TECHNOLOGY	68J-1090279-CYC9	81 049	268,056	
CALIFORNIA INSTITUTE OF TECHNOLOGY	SUB 65Q-1094584 (DE-SC0010574)	81 049	136,387	
CALIFORNIA INSTITUTE OF TECHNOLOGY	SUB 68JCAP-1090300 (DE-SC00049)	81 049	170,685	
CLEAN POWER RESEARCH	20133935	81 049	93,680	
COLLEGE OF WILLIAM AND MARY	740441-UCLA:003	81 049	9,485	
COLORADO STATE UNIVERSITY	G000272	81 049	126,544	
FERMI RESEARCH ALLIANCE, LLC (FRA) (INCL FERMILAB-DOE GOCO)	PO 613885	81 049	98,500	105,000

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		Federal CFDA Number	Total Federal Expenditures
GENERAL ATOMICS	4500054454 (DE-FC02-04ER54698)	81 049	63,438
GENERAL ATOMICS	GEN ATOMICS (DOE) MOYER	81 049	(3,643)
GENERAL ATOMICS	Sub 4500059469 (DE-NA0002730)	81 049	39,946
GENERAL ATOMICS	UB PO4500046534 (DE-NA0001803)	81 049	15,183
HJ SCIENCE AND TECHNOLOGY, INC.	20161999	81 049	710
INCOM USA, INC.	036602	81 049	14,564
INTEL CORPORATION	SUB CW1924105 (DE-SC0008717)	81 049	27,429
JOHNS HOPKINS UNIVERSITY	SUB 2002373314 (DESC0012658)	81 049	51,521
LOS ANGELES DEPARTMENT OF WATER AND POWER	PEPMO-UCLA-PS01	81 049	2,340
LOS GATOS RESEARCH, INC.	Los Gatos No. 2066A-Keeling	81 049	83,296
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003279.2	81 049	209,400
METRO LASER	UCI22DE08-cyc1	81 049	50,071
MICHIGAN STATE UNIVERSITY	61-3212C:5	81 049	(5,869)
MOLECULAR VISTA	MV-204785-cyc1	81 049	85,552
NORTHWESTERN UNIVERSITY	CNV0055224/PROJ0000253:8	81 049	199,265
NOVA SCIENTIFIC, INC.	UCB 042214	81 049	95,419
PENNSYLVANIA STATE UNIVERSITY	4916-USB-DOE-0620	81 049	108,722
PENNSYLVANIA STATE UNIVERSITY	5024-UCLA-DOE-2377	81 049	134,093
PENNSYLVANIA STATE UNIVERSITY	5-UCSD-DOE-2375 (DE-SC0012376)	81 049	212,606
RADIABEAM TECHNOLOGIES, LLC	20151372	81 049	91,564
RADIABEAM TECHNOLOGIES, LLC	RADIABEAM/DOE 20131019 MUSUMECI 9/1	81 049	(108)
REACTIVE INNOVATIONS LLC	20155262	81 049	39,124
SPEC, INC.	SPEC SRA-15-100115JTA	81 049	42,532
STANFORD UNIVERSITY	2432011045900A	81 049	1,745
STATE UNIVERSITY OF NEW YORK	68799	81 049	144,317
STATE UNIVERSITY OF NEW YORK	68856-11194936-3	81 049	125,566
STONY BROOK UNIVERSITY (A STATE UNIVERSITY OF NEW YORK CAMPUS)	72115	81 049	46,419
ULTRAMET	PO NO. 10776:1	81 049	92,928
UNIVERSITIES RESEARCH ASSOCIATION (OPERATES FERMILAB)	SUB 606537 (NONE)	81 049	151,352
UNIVERSITY OF CENTRAL FLORIDA	004518	81 049	113,497
UNIVERSITY OF COLORADO BOULDER	1000144280	81 049	23,926
UNIVERSITY OF KANSAS/KU CENTER FOR RESEARCH, INC.	007775	81 049	18,100
UNIVERSITY OF MARYLAND	Z7181005-CYC1	81 049	460,940
UNIVERSITY OF MASSACHUSETTS AMHERST	DOE/UNIV OF MASS/ ZENGLER 11-006347	81 049	(571)
UNIVERSITY OF MICHIGAN	3001346295	81 049	244,859
UNIVERSITY OF MICHIGAN	3002880403	81 049	132,545
UNIVERSITY OF MICHIGAN	3003723421	81 049	23,732
UNIVERSITY OF MINNESOTA	A004527503	81 049	147,976
UNIVERSITY OF NOTRE DAME (INCL GEM)	UNIVERSITY OF NOTRE DAME -202373 Am	81 049	116,781
UNIVERSITY OF NOTRE DAME (INCL GEM)	UNIVERSITY OF NOTRE DAME (INCL-2090	81 049	313,630
UNIVERSITY OF ROCHESTER	415025-G:5	81 049	(383)
UNIVERSITY OF ROCHESTER	B 415024-G (DE-FC02-O4ER54789)	81 049	(1,420)
UNIVERSITY OF TEXAS-AUSTIN	UTA14-000160:1	81 049	65,043
UNIVERSITY OF WASHINGTON	763613-cyc1	81 049	118,223
UNIVERSITY OF WASHINGTON	764615	81 049	150,934

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
UNIVERSITY OF WISCONSIN-MADISON	UOFW/USDOE 375K233 BROWER 03/14 26%	81 049	3,418	
UNIVERSITY OF WISCONSIN-MADISON	UW/USDOE 552K042 BROWER 3/15 26%	81 049	(3,418)	
UNIVERSITY OF WISCONSIN-MADISON	609K674	81 049	269,680	
UNIVERSITY OF WISCONSIN-MADISON	614K924	81 049	104,240	
UNIVERSITY OF WISCONSIN-MADISON	SUB 420K991 (DE-SC0008713)	81 049	56,611	
WASHINGTON UNIVERSITY IN ST. LOUIS	004368	81 049	158,604	
WASHINGTON UNIVERSITY IN ST. LOUIS	006723	81 049	232,096	
WAYNE STATE UNIVERSITY	WSU14139	81 049	217,952	108,056
TDA RESEARCH, INC.	GA.2050.UCI.14.03-cyc2	81 049	40,993	
UNIVERSITY OF WISCONSIN SYSTEM	005878	81 049	40,870	
PURDUE UNIVERSITY	SUB 4105-57166 (DE-FE0011291)	81 057	58,405	
UNIVERSITY OF TEXAS-ARLINGTON	B 1260801390-61 (DE-FE0023118)	81 057	41,145	
UNIVERSITY OF ILLINOIS	2014-04905-01	81 079	179,993	
NORTH CAROLINA STATE UNIVERSITY	2014-0654-63	81 086	209,497	
UNIVERSITY OF TENNESSEE	A15-0653	81 086	52,392	
UNIVERSITY OF TEXAS-AUSTIN	UTA13-001076	81 086	427,261	
UTAH STATE UNIVERSITY	201502661	81 086	113,763	
ALLIANCE FOR SUSTAINABLE ENERGY, LLC	008145	81 087	13,406	
ALLIANCE FOR SUSTAINABLE ENERGY, LLC	4-23068-01 (DE-AC36-08GO28308)	81 087	57,562	
BROOKHAVEN NATIONAL LABORATORY/BROOKHAVEN SCIENCE ASSOCIATES, LLC	267696-CYC1	81 087	918,830	
CALIFORNIA POLYTECHNIC STATE UNIVERSITY FOUNDATION	16-16-45263	81 087	5,795	
CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO	DOE-CALPOLY SLO UNIV14-23-45059/THO	81 087	55	
FUEL CELL ENERGY INC.	10002506-cyc1	81 087	29,137	
GENERAL ATOMICS	4500054265-cyc1	81 087	126,330	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B617108	81 087	2,103	
LOS ALAMOS NATIONAL SECURITY, LLC	324390-cyc1	81 087	159,182	
OAK RIDGE NATIONAL LABORATORY	4000132775	81 087	28,309	
OAK RIDGE NATIONAL LABORATORY	4000134389	81 087	675	
OREGON STATE UNIVERSITY	G0154FA	81 087	57,465	
SOLAR RESERVE LLC	1443	81 087	138,515	
STANFORD UNIVERSITY	60094381-51077-C	81 087	144,583	
STANFORD UNIVERSITY	60094382-51077-B	81 087	11,018	
STANFORD UNIVERSITY	60094384-51077-D	81 087	82,696	
STANFORD UNIVERSITY	60094385-51077-A	81 087	310,672	
STANFORD UNIVERSITY	60962297-51077	81 087	124,472	
TDA RESEARCH, INC.	GA.2941.UCI.14.01-cyc2	81 087	37,178	
TEXAS A&M UNIVERSITY - COLLEGE STATION	033015	81 087	2,709	
ELECTRIC POWER RESEARCH INSTITUTE	0010002031	81 087	126,077	
STANFORD UNIVERSITY	A15-0114-001	81 087	114,500	
ALTEX TECHNOLOGIES CORPORATION	DEFE002663UCD002	81 089	21,971	
OREGON STATE UNIVERSITY	G0148A-B	81 089	66,456	
RTI INTERNATIONAL	007190	81 089	41,149	
TDA RESEARCH, INC.	GA.2610.UCI.11.01-cyc6	81 089	5,102	
UNIVERSITY OF SOUTHERN CALIFORNIA	66913872	81 089	7,967	
TDA RESEARCH, INC.	GA.2942.UCI.14.04-cyc3	81 089	148,000	

The accompanying notes are an integral part of this schedule.

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		Total Federal Expenditures	Pass-Through to Subrecipients
		Federal CFDA Number			
IDAHO NATIONAL LABORATORY	00126925	81	105	48,897	39,460
CARNEGIE INSTITUTION	4-10469-07:2	81	112	58,175	
CARNEGIE INSTITUTION	4-10469-12	81	112	56,382	
CORNELL UNIVERSITY	SUB 67350-9962 (DE-NA0001836)	81	112	290,976	
HARVARD UNIVERSITY	130805-5088706	81	112	17,874	
INTERNATIONAL BUSINESS MACHINES CORPORATION	SUB 20133515 (UNKNOWN)	81	112	203,721	
LOS ALAMOS NATIONAL SECURITY, LLC	374238	81	112	4,385	
UNIVERSITY OF ROCHESTER	UOF ROCHESTER(DOE)#416230-G VU	81	112	(3,399)	(1,592)
SANDIA NATIONAL LABORATORIES	1653354	81	113	39,874	
ARIZONA STATE UNIVERSITY/TEMPE	14-423	81	121	191,381	
BATTELLE ENERGY ALLIANCE, LLC (BEA)	168284-cyc1	81	121	140,316	
BATTELLE MEMORIAL INSTITUTE	00120569-CYC4	81	121	4,584	
CALIFORNIA STATE UNIVERSITY, LONG BEACH FOUNDATION	07-372810A-cyc5	81	121	6,419	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B613986	81	121	76,676	
LOS ALAMOS NATIONAL SECURITY, LLC	278765-CYC1	81	121	266,650	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003847	81	121	645,948	76,961
OAK RIDGE NATIONAL LABORATORY	4000132990	81	121	59	
UNIVERSITY OF ILLINOIS	2014-05784-01	81	121	67,476	
UNIVERSITY OF MICHIGAN	3002964742	81	121	132,000	
UNIVERSITY OF MICHIGAN	3002964977	81	121	66,209	
UNIVERSITY OF WISCONSIN-MADISON	634K071	81	121	66,403	
ARIZONA STATE UNIVERSITY/TEMPE	15-617	81	122	24,203	
LOS ANGELES DEPARTMENT OF WATER AND POWER	LADWP EVUCLAPS05 GADH 12/15 54%	81	122	504,599	
SOUTHERN CALIFORNIA EDISON COMPANY	4500477552-cyc3	81	122	40,306	
HARVARD UNIVERSITY	130771-5085449	81	123	45,679	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B614637-cyc1	81	123	40,941	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B615672	81	123	37,340	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B616375-cyc1	81	123	35,803	
LOS ALAMOS NATIONAL SECURITY, LLC	368641-cyc1	81	123	16,947	
LOS ALAMOS NATIONAL SECURITY, LLC	379560-cyc1	81	123	23,709	
LOS ALAMOS NATIONAL SECURITY, LLC	87925-001-11	81	123	63,202	
UNIVERSITY OF UTAH	10029200-UCB	81	124	272,875	
ALCOA, INC.	DE-AR0000406	81	135	76,130	
GAS TECHNOLOGY INSTITUTE	S492	81	135	355,802	
MAGNETO-INERTIAL FUSION TECHNOLOGIES, INC	Sub None (AR0000569)	81	135	305,946	
ROBERT BOSCH NORTH AMERICA	E-AR0000278-001 (DE-AR0000278)	81	135	111,367	
SRI INTERNATIONAL	119-000279	81	135	456,206	
STONY BROOK UNIVERSITY (A STATE UNIVERSITY OF NEW YORK CAMPUS)	20151086	81	135	220,297	
UNIVERSITY OF CINCINNATI	009725-002	81	135	113,316	
UNIVERSITY OF FLORIDA	UFDSP00010600	81	135	174,587	
UNIVERSITY OF ILLINOIS	2015-05269-02-cyc1	81	135	10,562	
UNIVERSITY OF TEXAS-AUSTIN	UTA14-001162	81	135	158,986	
CARNEGIE INSTITUTION	6-10031-01	81	214	36,749	
UNIVERSITY OF ROCHESTER	SUB 414943-G (DE-SC-0001063)	81	410	20,456	
AEROSOL DYNAMICS, INC.	ADI-2685-GOLDSTEIN-08/14	81	UNKNOWN	(14)	

The accompanying notes are an integral part of this schedule.

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
ALLIANCE FOR SUSTAINABLE ENERGY, LLC	XAT-4-42242-01	81 UNKNOWN	21,235	
ALSTOM	3487-4500790783	81 UNKNOWN	27,923	
AMERICAN LITHIUM ENERGY	Sub NONE(DE-SC0013839)	81 UNKNOWN	88,330	
AMES LABORATORY	SC13395	81 UNKNOWN	192,014	
ARCADIA BIOSCIENCE, INC.	201120291	81 UNKNOWN	19,307	
ARGONNE NATIONAL LABORATORY	5F30561	81 UNKNOWN	95,197	
ARGONNE NATIONAL LABORATORY (DOE GOCO LAB OPERATED BY UNIV OF CHICAGO)	3F30841	81 UNKNOWN	(863)	(784)
BATTELLE MEMORIAL INSTITUTE	00093542	81 UNKNOWN	33,690	
BATTELLE MEMORIAL INSTITUTE	00101461	81 UNKNOWN	14,725	
BATTELLE MEMORIAL INSTITUTE	00118545	81 UNKNOWN	97,878	
BATTELLE MEMORIAL INSTITUTE	00119430	81 UNKNOWN	185,437	
BATTELLE MEMORIAL INSTITUTE	00126578	81 UNKNOWN	54,055	51,562
BLUE RIVER TECHNOLOGY	BLUE RIVER TECHNOLOGY-Y15-2594	81 UNKNOWN	32,032	
BROOKHAVEN NATIONAL LABORATORY/BROOKHAVEN SCIENCE ASSOCIATES, LLC	39554	81 UNKNOWN	256,765	
BROOKHAVEN NATIONAL LABORATORY/BROOKHAVEN SCIENCE ASSOCIATES, LLC	63913	81 UNKNOWN	173,987	
CARNEGIE INSTITUTION	4-10469-18	81 UNKNOWN	61,811	
CARNEGIE INSTITUTION	CI-4-3253-18-WENK-FNL	81 UNKNOWN	2,298	
COLORADO SCHOOL OF MINES	400769-5808	81 UNKNOWN	7,634	
FERMI RESEARCH ALLIANCE, LLC (FRA) (INCL FERMILAB-DOE GOCO)	014272	81 UNKNOWN	11,627	
FERMI RESEARCH ALLIANCE, LLC (FRA) (INCL FERMILAB-DOE GOCO)	FERMI RESEARCH ALLIANCE, LLC (-6120)	81 UNKNOWN	167,549	
FERMI RESEARCH ALLIANCE, LLC (FRA) (INCL FERMILAB-DOE GOCO)	617433	81 UNKNOWN	9,951	
FERMI RESEARCH ALLIANCE, LLC (FRA) (INCL FERMILAB-DOE GOCO)	619952	81 UNKNOWN	3,771	
FERMI RESEARCH ALLIANCE, LLC (FRA) (INCL FERMILAB-DOE GOCO)	620363	81 UNKNOWN	35,289	
FERMI RESEARCH ALLIANCE, LLC (FRA) (INCL FERMILAB-DOE GOCO)	623426	81 UNKNOWN	14,924	
FERMI RESEARCH ALLIANCE, LLC (FRA) (INCL FERMILAB-DOE GOCO)	625607	81 UNKNOWN	58,398	
FERMI RESEARCH ALLIANCE, LLC (FRA) (INCL FERMILAB-DOE GOCO)	627700	81 UNKNOWN	71,590	
GAS TECHNOLOGY INSTITUTE	22422	81 UNKNOWN	(5)	
GAS TECHNOLOGY INSTITUTE	11122-20	81 UNKNOWN	7,650	
GENERAL ATOMICS	4500055243-cyc1	81 UNKNOWN	82,662	
GENERAL ATOMICS	GA (DOE) HOLLAND	81 UNKNOWN	(367)	
GENERAL ATOMICS	PO 4500054833 (DE-FG02-95ER543	81 UNKNOWN	123,612	
GENERAL ATOMICS	PO 4500054951 (DE-FC02-08ER549	81 UNKNOWN	47,207	
GENERAL ATOMICS	PO4500055468 (DE-NE0008323)	81 UNKNOWN	162,266	
GENERAL ATOMICS	Sub 4500060525(DE-FC02-04ER546	81 UNKNOWN	35,121	
GENERAL ATOMICS	Sub 4500060575(DE-FC02-08ER549	81 UNKNOWN	27,749	
HYPERV TECHNOLOGIES CORP	201503646	81 UNKNOWN	19,971	
IDAHO NATIONAL LABORATORY	00146693	81 UNKNOWN	384	
JET PROPULSION LABORATORY	1507890	81 UNKNOWN	30,425	
KOOTENAI TRIBE OF IDAHO	201502254	81 UNKNOWN	114,013	
KRELL INSTITUTE	UCD2011G12	81 UNKNOWN	1,000	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	201602508	81 UNKNOWN	24,430	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	LLNS-B601554-VANBIBBER-3/15	81 UNKNOWN	(2,930)	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B602802-CYC4	81 UNKNOWN	22,855	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B604236	81 UNKNOWN	56,660	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B607046	81 UNKNOWN	13,043	

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B608177	81 UNKNOWN	41,854	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B609948	81 UNKNOWN	86,250	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B610136-cyc1	81 UNKNOWN	66,508	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B611060	81 UNKNOWN	80,511	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B611159	81 UNKNOWN	17,267	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B611216	81 UNKNOWN	25,181	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B611323	81 UNKNOWN	18,974	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B611495	81 UNKNOWN	13,232	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B611564	81 UNKNOWN	184,704	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B611752	81 UNKNOWN	41,353	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B611893	81 UNKNOWN	27,445	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B612331	81 UNKNOWN	57,736	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B612660	81 UNKNOWN	25,117	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B612929	81 UNKNOWN	46,429	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B613230	81 UNKNOWN	88,618	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B613475	81 UNKNOWN	88,327	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B615302	81 UNKNOWN	46,255	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B615520	81 UNKNOWN	5,374	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B615553	81 UNKNOWN	43,818	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B615664	81 UNKNOWN	42,395	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B616121	81 UNKNOWN	60,011	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B616616	81 UNKNOWN	32,285	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B616790	81 UNKNOWN	30,599	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B617085	81 UNKNOWN	19,840	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B617449	81 UNKNOWN	20,255	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B617930	81 UNKNOWN	24,995	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	Sub B608859 (AC52-06-NA25396)	81 UNKNOWN	23,772	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	Sub B608905 (DE-AC52-07NA27344)	81 UNKNOWN	91,761	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	SUB B614026 (DE-AC52-07NA27344)	81 UNKNOWN	11,876	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	SUB B615595	81 UNKNOWN	44,966	
LOS ALAMOS NATIONAL SECURITY, LLC	211060	81 UNKNOWN	177,247	
LOS ALAMOS NATIONAL SECURITY, LLC	257842 (DE-AC52-06NA25396)	81 UNKNOWN	65,811	
LOS ALAMOS NATIONAL SECURITY, LLC	274559	81 UNKNOWN	24,251	
LOS ALAMOS NATIONAL SECURITY, LLC	295779	81 UNKNOWN	71,098	
LOS ALAMOS NATIONAL SECURITY, LLC	LANS-240479-1-HOSEMANN-FNL	81 UNKNOWN	2,585	
LOS ALAMOS NATIONAL SECURITY, LLC	Sub 277921 (DE-AC52-06NA25396)	81 UNKNOWN	95,823	
LOS ALAMOS NATIONAL SECURITY, LLC	Sub 318473 (DE-AC52-06NA25396)	81 UNKNOWN	15,591	
LOS ALAMOS NATIONAL SECURITY, LLC	Sub 351623 (DEAC52-06NA25396)	81 UNKNOWN	208,301	
LOS ALAMOS NATIONAL SECURITY, LLC	Sub 77137-001-11 (DE-AC52-06NA	81 UNKNOWN	740,306	
LOS GATOS RESEARCH, INC.	20161485	81 UNKNOWN	14,999	
NATIONAL SECURITY TECHNOLOGIES, LLC	144064	81 UNKNOWN	60,507	
NATIONAL SECURITY TECHNOLOGIES, LLC	171303	81 UNKNOWN	24,724	
OAK RIDGE NATIONAL LABORATORY	005903	81 UNKNOWN	665,357	
OAK RIDGE NATIONAL LABORATORY	006982	81 UNKNOWN	89,141	
OAK RIDGE NATIONAL LABORATORY	4000077731	81 UNKNOWN	22,768	

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
OAK RIDGE NATIONAL LABORATORY	4000100283	81 UNKNOWN	31,169	
OAK RIDGE NATIONAL LABORATORY	4000101858-CYC3	81 UNKNOWN	145,175	
OAK RIDGE NATIONAL LABORATORY	4000129396	81 UNKNOWN	89,875	
OAK RIDGE NATIONAL LABORATORY	4000134953	81 UNKNOWN	82,896	
OAK RIDGE NATIONAL LABORATORY	4000138517	81 UNKNOWN	50,812	
OAK RIDGE NATIONAL LABORATORY	4000139499	81 UNKNOWN	50,000	
OAK RIDGE NATIONAL LABORATORY	4000140266	81 UNKNOWN	72,674	
OAK RIDGE NATIONAL LABORATORY	4000141233	81 UNKNOWN	201,933	
OAK RIDGE NATIONAL LABORATORY	4000147510	81 UNKNOWN	3,920	
OAK RIDGE NATIONAL LABORATORY	DOE UT/BATTELLE 4000069422 SNAVELY	81 UNKNOWN	3	
OAK RIDGE NATIONAL LABORATORY	SUB 4000138918 (DE-AC05-000R22	81 UNKNOWN	82,689	
PACIFIC NORTHWEST NATIONAL LABORATORIES	190110	81 UNKNOWN	125,148	
PACIFIC NORTHWEST NATIONAL LABORATORIES	207847	81 UNKNOWN	128,407	
PACIFIC NORTHWEST NATIONAL LABORATORIES	275882	81 UNKNOWN	107,407	
PACIFIC NORTHWEST NATIONAL LABORATORIES	PAC NW LAB; 271470; SEE PREV FND 82	81 UNKNOWN	15,410	
PACIFIC NORTHWEST NATIONAL LABORATORIES	SUB 196885 (DE-AC05-76RL01830	81 UNKNOWN	223,388	
PACIFIC NORTHWEST NATIONAL LABORATORIES	Sub 274570 (DE-AC05-76RL01830)	81 UNKNOWN	36,035	
PACIFIC NORTHWEST NATIONAL LABORATORIES	Sub 295287 (DE-AC05-76RL01830)	81 UNKNOWN	11,942	
PLASMA PROCESSES INC.	PLASMA JSO1201031(DOE/FP) CLSD	81 UNKNOWN	6,000	
PRINCETON PLASMA PHYSICS LABORATORY	Sub S014011-F (DE-AC02-09CH114	81 UNKNOWN	29,356	
PRINCETON PLASMA PHYSICS LABORATORY	SUB S014319-F (DE-AC02-09CH114	81 UNKNOWN	39,769	
SANDIA NATIONAL LABORATORIES	1439950	81 UNKNOWN	74,363	
SANDIA NATIONAL LABORATORIES	1506687	81 UNKNOWN	54,226	
SANDIA NATIONAL LABORATORIES	1514615	81 UNKNOWN	17,310	
SANDIA NATIONAL LABORATORIES	1526655	81 UNKNOWN	148,645	
SANDIA NATIONAL LABORATORIES	1577012	81 UNKNOWN	30,000	
SANDIA NATIONAL LABORATORIES	1590518	81 UNKNOWN	32,043	
SANDIA NATIONAL LABORATORIES	1590734	81 UNKNOWN	82,825	
SANDIA NATIONAL LABORATORIES	1592672	81 UNKNOWN	26,858	
SANDIA NATIONAL LABORATORIES	1673089	81 UNKNOWN	35,220	
SANDIA NATIONAL LABORATORIES	PO1404595	81 UNKNOWN	46,156	
SANDIA NATIONAL LABORATORIES	PO1627708	81 UNKNOWN	23,042	
SANDIA NATIONAL LABORATORIES	SUB 1512354 (776622)	81 UNKNOWN	20,721	
SANDIA NATIONAL LABORATORIES	SUB 1534256 (776622)	81 UNKNOWN	229,834	
STANFORD UNIVERSITY	60220830-51077-R	81 UNKNOWN	46,747	
TDA RESEARCH, INC.	GA.2085.UCI.15.02-cyc1	81 UNKNOWN	70,707	
THIRD WAVE TECHNOLOGIES, INC.	TDM731	81 UNKNOWN	47,000	
UNIVERSITIES RESEARCH ASSOCIATION (OPERATES FERMILAB)	604705	81 UNKNOWN	20,890	
UNIVERSITY OF MINNESOTA	A003127005	81 UNKNOWN	244,475	
UNIVERSITY OF TENNESSEE	A13-0708-S004	81 UNKNOWN	51,192	
SANDIA NATIONAL LABORATORIES	1519996	81 UNKNOWN	25,282	
SANDIA NATIONAL LABORATORIES	PO1668054	81 UNKNOWN	16,959	
Subtotal Pass-Through and Partial Pass-Through Awards			25,677,738	464,086
Total Department of Energy			138,968,985	9,604,160

The accompanying notes are an integral part of this schedule.

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				Total Federal Expenditures	Pass-Through to Subrecipients
DEPARTMENT OF EDUCATION					
Direct Awards	Various	84	RD	17,144,914	4,528,839
Pass-Through and Partial Pass-Through					
VENTURA COUNTY COMMUNITY COLLEGE DISTRICT	P031C110025	84	013	214,721	
HARTNELL COLLEGE	A00-2068-009	84	031	261,073	
SAN BERNARDINO COMMUNITY COLLEGE DISTRICT	006116	84	120	42,452	
CALIFORNIA DEPARTMENT OF REHABILITATION	28496	84	126	66,218	
CALIFORNIA DEPARTMENT OF REHABILITATION	28680	84	126	3,009	
REHABILITATION INSTITUTE OF CHICAGO	81760-cyc4	84	133	94,299	
CALIFORNIA DEPARTMENT OF REHABILITATION	29616	84	136	91,948	
CALIFORNIA DEPARTMENT OF EDUCATION	15-14349-3001-9A	84	287	1,422,587	1,087,108
CALIFORNIA DEPARTMENT OF EDUCATION	CDE-09-14349-3001-6A-HULL12/13	84	287	(5,448)	
COLUMBIA UNIVERSITY	511135-cyc1	84	305	36,607	
EDBOOST	20103499	84	305	71,057	
LITERACY DESIGN COLLABORATIVE, INC	20145515	84	305	189,229	
UNIVERSITY OF CONNECTICUT	70505	84	305	14,758	
UNIVERSITY OF MICHIGAN	3003438918	84	305	43,499	
UNIVERSITY OF MICHIGAN	3003601231	84	305	35,000	
UNIVERSITY OF SOUTH CAROLINA	15-2906	84	305	1,288	
VANDERBILT UNIVERSITY	007088	84	305	40,862	
WASHINGTON STATE UNIVERSITY	121927G003243	84	305	90,759	
WESTED	s11089	84	305	112,469	
COLUMBIA UNIVERSITY	1 (GG009670)	84	305	69,041	
VANDERBILT UNIVERSITY	22441-S1	84	305	(31)	
PENNSYLVANIA STATE UNIVERSITY	5265-UCI-USDE-0126-cyc1	84	324	60,801	
SRI INTERNATIONAL	51-001228-4	84	324	48,653	
UNIVERSITY OF CONNECTICUT	68671	84	324	13,857	
UNIVERSITY OF MICHIGAN	3003847265-cyc1	84	324	21,378	
ORANGE COUNTY DEPARTMENT OF EDUCATION	41113-cyc1	84	366	45,329	
CALIFORNIA DEPARTMENT OF EDUCATION	15-15196-3001-00	84	367	20,281	
CALIFORNIA DEPARTMENT OF EDUCATION	NCLB11-CMP-UCSB	84	367	433	
CALIFORNIA DEPARTMENT OF EDUCATION	NCLB11-CSP-UCSB	84	367	738	
CALIFORNIA DEPARTMENT OF EDUCATION	NCLB11-CWP-UCSB	84	367	1,831	
CALIFORNIA DEPARTMENT OF EDUCATION	NCLB12-CSP-UCSB	84	367	29,173	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	A00-1301-002	84	367	26,665	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB12-CMP-UCSB	84	367	20,394	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB12-CWP-UCSB	84	367	16,793	
CALIFORNIA POSTSECONDARY EDUCATION COMMISSION	ITQ097600	84	367	3,016,543	993,224
NATIONAL WRITING PROJECT	92-CA06-SEED2012-1-CYC4	84	367	3,457	
NATIONAL WRITING PROJECT	92-CA07-SEED2012- AMENDMENT 2A	84	367	9,985	
NATIONAL WRITING PROJECT	92-CA07-SEED2016 (DOEdU U367D1	84	367	5,755	
SRI INTERNATIONAL	51-001299	84	367	96,260	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB11-CWP-UCSD	84	367	(1,014)	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB12-CSP-UCSD	84	367	35,978	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB12-CWP-UCSD	84	367	37,284	

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				Total Federal Expenditures	Pass-Through to Subrecipients
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	Sub NCLB12-CRLP-UCSD	84	367	22,814	
NATIONAL WRITING PROJECT	92-CA03-SEED2012	84	367	5,699	
UNIVERSITY OF WISCONSIN-MADISON	388K975:4	84	368	61,529	
UNIVERSITY OF KANSAS/KU CENTER FOR RESEARCH, INC.	FY2014-027	84	373	5,434	
NATIONAL MATH AND SCIENCE INITIATIVE, INC.	20160003	84	411	20,584	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	Sub 57795A p2128 7802 212 (291	84	418	36,496	
AFINGEN, INC.	201400874	84	UNKNOWN	28,579	
MINDSET WORKS, INC.	201500250	84	UNKNOWN	252,683	
NATIONAL SCHOOL DISTRICT	20151009	84	UNKNOWN	62,960	
PACIFIC NORTHWEST NATIONAL LABORATORIES	245520	84	UNKNOWN	4,243	
WESTAT	Sub 6024-S-002 (ED-IES-12-C-00	84	UNKNOWN	100,518	
Subtotal Pass-Through and Partial Pass-Through Awards				7,007,510	2,080,332
Total Department of Education				24,152,424	6,609,171
SMITHSONIAN INSTITUTION					
Direct Awards	Various	85	RD	7,835,006	
Total Smithsonian Institute				7,835,006	-
INSTITUTE OF PEACE					
Direct Awards	Various	91	RD	42,885	
Pass-Through and Partial Pass-Through					
ATOX BIO	201600397	91	UNKNOWN	5,011	
Subtotal Pass-Through and Partial Pass-Through Awards				5,011	-
Total Institute of Peace				47,896	-
NATIONAL COUNCIL ON DISABILITY					
Pass-Through and Partial Pass-Through					
THE SCRIPPS RESEARCH INSTITUTE	SUB 5-52225 (NS092306)	92	273	196,247	
PUBLIC HEALTH INSTITUTE	1020855	92	279	14,171	
UNIVERSITY OF VIRGINIA	SUB GB1025 150187 (HL127564)	92	837	176,818	
Subtotal Pass-Through and Partial Pass-Through Awards				387,236	-
Total National Council on Disability				387,236	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES					
Direct Awards					
ADMH PHS (SAMHSA) MENTAL HEALTH - CENTER FOR MENTAL HEALTH SERVICES	Various	93	RD	909,255	327,346
ADMH PHS (SAMHSA) PREVENTION - CENTER FOR SUBSTANCE ABUSE PREVENTION	Various	93	RD	7,159,996	3,771,684
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93	RD	29,350,649	12,743,906
FDA PHS FOOD AND DRUG ADMINISTRATION	Various	93	RD	7,443,107	697,979
HCFA CENTERS FOR MEDICARE AND MEDICAID SERVICES	Various	93	RD	5,510,325	2,045,552
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93	RD	14,934,679	1,992,185
NIH AGING, NATIONAL INSTITUTE ON	Various	93	RD	94,227,350	10,990,587
NIH ALCOHOL ABUSE AND ALCOHOLISM, NATIONAL INSTITUTE OF	Various	93	RD	18,076,654	2,575,965
NIH ARTHRITIS, MUSCULOSKELETAL & SKIN DISEASES, NATIONAL INSTITUTE OF	Various	93	RD	39,104,686	2,029,704
NIH CHILD HEALTH & HUMAN DEVELOPMENT, NATIONAL INSTITUTE OF	Various	93	RD	73,980,044	10,718,162

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				Total Federal Expenditures	Pass-Through to Subrecipients
NIH DEAFNESS & OTHER COMMUNICATION DISORDERS, NATIONAL INSTITUTE ON	Various	93	RD	18,514,630	421,663
NIH DENTAL AND CRANIOFACIAL RESEARCH,NATIONAL INSTITUTE OF	Various	93	RD	31,948,532	3,358,789
NIH DENTAL AND CRANIOFACIAL RESEARCH,NATIONAL INSTITUTE OF (ARRA)	Various	93	RD	(2,292)	
NIH DIABETES, DIGESTIVE & KIDNEY DISEASES, NATIONAL INSTITUTE OF	Various	93	RD	91,513,745	8,632,724
NIH DIABETES, DIGESTIVE & KIDNEY DISEASES, NATIONAL INSTITUTE OF (ARRA)	Various	93	RD	(27,229)	
NIH DRUG ABUSE, NATIONAL INSTITUTE OF	Various	93	RD	68,108,129	11,197,680
NIH ENVIRONMENTAL HEALTH SCIENCES, NATIONAL INSTITUTE OF	Various	93	RD	40,490,075	5,857,764
NIH JOHN F. FOGARTY INTERNATIONAL CENTER	Various	93	RD	6,763,289	2,454,149
NIH MEDICINE, NATIONAL LIBRARY OF	Various	93	RD	3,531,985	175,479
NIH MENTAL HEALTH, NATIONAL INSTITUTE OF (NIMH)	Various	93	RD	136,116,544	20,103,789
NIH MENTAL HEALTH, NATIONAL INSTITUTE OF (NIMH) (ARRA)	Various	93	RD	125	
NIH NATIONAL CANCER INSTITUTE	Various	93	RD	217,814,116	29,901,887
NIH NATIONAL CANCER INSTITUTE (ARRA)	Various	93	RD	(14,908)	
NIH NATIONAL CENTER FOR COMPLEMENTARY AND INTEGRATIVE HEALTH	Various	93	RD	5,954,242	64,934
NIH NATIONAL EYE INSTITUTE	Various	93	RD	60,530,011	3,963,153
NIH NATIONAL EYE INSTITUTE (ARRA)	Various	93	RD	(101,717)	
NIH NATIONAL HUMAN GENOME RESEARCH INSTITUTE	Various	93	RD	25,127,294	2,612,742
NIH NATIONAL INST OF ALLERGY AND INFECTIOUS DISEASES	Various	93	RD	210,480,619	44,446,611
NIH NATIONAL INSTITUTE OF BIOMEDICAL IMAGING AND BIOENGINEERING	Various	93	RD	27,303,849	3,225,993
NIH NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	Various	93	RD	206,387,094	9,152,446
NIH NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (ARRA)	Various	93	RD	(1,267)	
NIH NATIONAL INSTITUTE OF HEART, LUNG & BLOOD	Various	93	RD	157,709,470	19,104,903
NIH NATIONAL INSTITUTE ON MINORITY HEALTH AND HEALTH DISPARITIES	Various	93	RD	3,380,177	82,048
NIH NATIONAL INSTITUTES OF HEALTH CENTER FOR SCIENTIFIC REVIEW	Various	93	RD	3,708,950	18,932
NIH NATIONAL INSTITUTES OF HEALTH OFFICE OF THE DIRECTOR	Various	93	RD	27,785,887	3,737,088
NIH NEUROLOGICAL DISORDERS & STROKE, NATIONAL INSTITUTE OF	Various	93	RD	126,687,938	22,320,971
NIH NIH NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	Various	93	RD	55,979,396	6,046,675
NIH NIH NATIONAL CENTER FOR RESEARCH RESOURCES	Various	93	RD	6,685,251	(13,823)
NIH NIH/MISCELLANEOUS AGENCIES & DEPARTMENTS	Various	93	RD	24,241,284	885,395
NIH NURSING RESEARCH, NATIONAL INSTITUTE OF	Various	93	RD	9,445,492	784,104
NIH OFFICE OF RESEARCH INFRASTRUCTURE PROGRAMS, NIH	Various	93	RD	60,262	
OHDS ADMINISTRATION FOR CHILDREN AND FAMILIES	Various	93	RD	1,055,323	42,846
OHDS HHS/OHDS/MISCELLANEOUS AGENCIES & DEPARTMENTS	Various	93	RD	189,818	
PHS AGENCY FOR HEALTHCARE RESEARCH AND QUALITY	Various	93	RD	6,188,579	842,403
PHS AGENCY FOR HEALTHCARE RESEARCH AND QUALITY (ARRA)	Various	93	RD	(2,068)	(2,068)
PHS PHS OFFICE OF ADOLESCENT HEALTH	Various	93	RD	762,852	64,258
PHS PHS OFFICE OF WOMEN'S HEALTH	Various	93	RD	553,980	89,385
PHS PHS TOXIC SUBSTANCES AND DISEASE REGISTRY, AGENCY FOR (ATSDR)	Various	93	RD	20,595	
SEC ADMINISTRATION FOR COMMUNITY LIVING	Various	93	RD	1,106,869	348,286
SEC HHS OFFICE OF THE SECRETARY	Various	93	RD	462,443	
SEC HHS PLANNING & EVALUATION, ASSISTANT SECRETARY FOR	Various	93	RD	992,264	141,085
Subtotal Direct Awards				1,868,148,373	247,955,361
Pass-Through and Partial Pass-Through					
RIGHT TO CARE	20163138	93	001	49,187	
Q-CHEM, INC.	2R44GM096678-02	93	003	36,486	

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HISPANIC-SERVING HEALTH PROFESSIONS SCHOOLS, INC.	NIH/HSHPH OMH-5-MPCMP101038 BURGOS	93 004	2,706	
WESTAT	Westat#ID-6101-S039	93 059	(41,718)	
UNIVERSITY OF ARIZONA	278887-cyc1	93 061	47,665	
STANFORD UNIVERSITY	60770272-104939	93 065	89,978	
UNIVERSITY OF WASHINGTON	755454	93 067	149,275	
SEQUOIA FOUNDATION	UCSF#A119218	93 073	1,154	
HEALTH RESEARCH, INC.	174-01	93 077	9,088	
PORTLAND STATE UNIVERSITY	007815	93 077	10,805	
UNIVERSITY OF ILLINOIS AT CHICAGO	2013-02549-04-00	93 077	83,295	
UNIVERSITY OF PENNSYLVANIA	560236	93 077	5,516	
UNIVERSITY OF WISCONSIN-MADISON	605K356	93 077	31,051	
HARVARD PILGRIM HEALTH CARE	HPHC-203160-cyc1	93 084	78,923	
CHILDREN'S HOSPITAL OF LOS ANGELES	CHLA/NIH GF005705 HARRISON 11/14 54	93 092	(335)	
RAND CORP	9920140019:2R	93 095	17,341	
CHILDREN'S HOSPITAL CORP. (THE), BOSTON, MASS.	SUB NONE (FD003523)	93 103	(10,858)	
JOHN WAYNE INSTITUTE FOR CANCER TREATMENT AND RESEARCH	KESARI-16-01 (7R01FD005077-02	93 103	8,703	
JOHNS HOPKINS UNIVERSITY	2002172146	93 103	24,585	
JOHNS HOPKINS UNIVERSITY	2012-0171(FD003898)	93 103	4,200	
RTI INTERNATIONAL	29-312-0212305-52091L-cyc1	93 103	37,218	
TRACE-ABILITY, INC	TA-UCSF-sub1	93 103	47,675	
UNIVERSITY OF KANSAS/KU CENTER FOR RESEARCH, INC.	QB859730-CYC2	93 103	6,815	
ARIZONA STATE UNIVERSITY/TEMPE	16-760	93 110	20,593	
CHILDREN'S HOSPITAL AND RESEARCH CENTER AT OAKLAND	127958UCD01	93 110	5,000	
MASSACHUSETTS GENERAL HOSPITAL	227146-cyc1	93 110	4,890	
PARTNERS HEALTHCARE SYSTEM, INC	226858-cyc1	93 110	21,982	
PARTNERS HEALTHCARE SYSTEM, INC	226859-cyc1	93 110	105,654	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	C14-859	93 110	14,470	
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL	RFS2015045 (5UA3MC25735-02-00)	93 110	12,094	
BOSTON UNIVERSITY	4500001761	93 113	90,026	
BOSTON UNIVERSITY	BU-9500300288-JERRETT-3/15	93 113	(6,368)	
BRIGHAM AND WOMEN'S HOSPITAL	113499	93 113	2,079	
CANCER PREVENTION INSTITUTE OF CALIFORNIA	R01ES019598-02-UCSF	93 113	46,392	
COLORADO STATE UNIVERSITY	1-R01ES023688-01A1	93 113	12,011	
COLUMBIA UNIVERSITY	11 (Acct.#5-37761)	93 113	10,266	
EICOSIS, LLC	201402841	93 113	739	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	02558271-4609	93 113	54,818	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	A16-0590-001	93 113	54,385	
JOHNS HOPKINS UNIVERSITY	2002850255	93 113	63,722	
JOHNS HOPKINS UNIVERSITY	20132261	93 113	76,717	
JOHNS HOPKINS UNIVERSITY	R01ES023500	93 113	36,077	
KAISER PERMANENTE DIVISION OF RESEARCH	1159585-02	93 113	106,587	
KAISER PERMANENTE DIVISION OF RESEARCH	115-9585-03	93 113	(24,347)	
KAISER PERMANENTE DIVISION OF RESEARCH	9098	93 113	1,142	
LUDWIG INSTITUTE FOR CANCER RESEARCH	NIH-LUDWIG/WANG/54.5%/06/12	93 113	(2,112)	
RAND CORP	9920130007:02	93 113	9,326	

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RENSELAER POLYTECHNIC INSTITUTE	A12363	93 113	131,357	
RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK (THE)	1603	93 113	15,345	
SALK INSTITUTE FOR BIOLOGICAL STUDIES	SUB NONE (ES025585)	93 113	91,993	
SALK INSTITUTE FOR BIOLOGICAL STUDIES	SUB P0170265 (ES025585)	93 113	38,183	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	NIH-BURNHAM/MASLIAH/54.5%	93 113	(114,058)	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	NIH(NIEHS)SBMRI SUB54335-11056UCSD0	93 113	(60,827)	
SILENT SPRING INSTITUTE	7475- UCB	93 113	29,014	
STATE UNIVERSITY OF NEW YORK	1456	93 113	160,457	
SUNY UNIVERSITY AT ALBANY	15-21	93 113	51,704	
UNIVERSITY OF MICHIGAN	008002	93 113	12,226	
UNIVERSITY OF MISSOURI	005947	93 113	154,210	
UNIVERSITY OF MONTANA	PG1464439	93 113	34,046	
UNIVERSITY OF PITTSBURGH	0041985(124151-1)	93 113	5,548	
UNIVERSITY OF PITTSBURGH	U01AG012553	93 113	44,157	
UNIVERSITY OF SOUTHERN CALIFORNIA	52728343:01	93 113	28,062	
UNIVERSITY OF SOUTHERN CALIFORNIA	54527700	93 113	5,518	
UNIVERSITY OF SOUTHERN CALIFORNIA	FDP-USC/NIH Y83814 FROINES 3/15	93 113	(2,556)	
UNIVERSITY OF SOUTHERN CALIFORNIA	61933158	93 113	72,771	
UNIVERSITY OF SOUTHERN CALIFORNIA	62248213	93 113	34,351	
UNIVERSITY OF SOUTHERN CALIFORNIA	64504593	93 113	38,500	
UNIVERSITY OF SOUTHERN CALIFORNIA	A15-0011	93 113	(10,270)	
WASHINGTON STATE UNIVERSITY	104099_G002809	93 113	46,057	
WASHINGTON UNIVERSITY IN ST. LOUIS	Sub WU-14-109 (ES021488)	93 113	18,988	
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-16-159	93 113	15,299	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-5542-4609-002	93 113	80,139	
UNIVERSITY OF WASHINGTON	750186-003	93 113	115,532	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	11-10743 RUTHERFORD	93 116	118,682	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	2-10039 09-11183 RUTHERFORD	93 116	2,972,926	
ALTUM, INCORPORATED	UCSF#A124778	93 121	78,458	
BIOVINC LLC	20152314	93 121	42,279	
BRIGHAM AND WOMEN'S HOSPITAL	110670	93 121	194,641	
BRIGHAM AND WOMEN'S HOSPITAL	UM1-AI068636 HAVLIR	93 121	211,420	
CASE WESTERN RESERVE UNIVERSITY	RES506229:5	93 121	19,969	
GROUP HEALTH COOPERATIVE	2014181411	93 121	712	
GROUP HEALTH COOPERATIVE	2015154243	93 121	33,225	
HARVARD UNIVERSITY	158209.5030334.0002	93 121	65,184	
HARVARD UNIVERSITY	FDP-HARVARD/NIH 123559 WANG 5/14 5	93 121	(876)	
JOHNS HOPKINS UNIVERSITY	2001653082:3	93 121	11,753	
JOHNS HOPKINS UNIVERSITY	3P50DE019032-11S2	93 121	102,550	
JOHNS HOPKINS UNIVERSITY	SUB 2002808748 (DE019032)	93 121	13,318	
JOHNS HOPKINS UNIVERSITY	Sub 2002818823 (DE025398)	93 121	8,990	
LANKENAU INSTITUTE FOR MEDICAL RESEARCH	038314	93 121	142,090	
NEW YORK UNIVERSITY	NYU SOM OLSHEN	93 121	2,263	
PALO ALTO VETERANS INSTITUTE FOR RESEARCH, INC.	1R01DE023113-01A1	93 121	173,524	
PHASE DIAGNOSTICS LLC	20152317	93 121	20,558	

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		Federal CFDA Number	Total Federal Expenditures	
SIMON FRASER UNIVERSITY	UCSF#A120483	93 121	153,197	
STANFORD UNIVERSITY	1U01DE024430-01/61206320	93 121	13,934	
UNIVERSITY AT BUFFALO (A STATE UNIVERSITY OF NEW YORK CAMPUS)	R980481	93 121	425	
UNIVERSITY OF COLORADO BOULDER	1553192-cyc1	93 121	366,271	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	FY15.236.004	93 121	259,017	
UNIVERSITY OF MARYLAND	1100600:5	93 121	98,616	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	UNIVERSITY OF NORTH -5-33461	93 121	102,720	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	532727	93 121	182,566	
UNIVERSITY OF PENNSYLVANIA	565540	93 121	(1)	
UNIVERSITY OF PENNSYLVANIA	565681	93 121	35,737	
UNIVERSITY OF PENNSYLVANIA	567164	93 121	76,092	
UNIVERSITY OF SOUTHERN CALIFORNIA	52681472	93 121	63,927	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0009450A	93 121	25,423	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0010816B	93 121	58,306	
WASHINGTON UNIVERSITY IN ST. LOUIS	SUB WU-15-147 (ES024120)	93 133	3,166	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	NIH-SDSURF/MADLENSKY/54.5%	93 135	(244)	
UNIVERSITY OF KENTUCKY/UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3210000169-16-135	93 135	62,708	
CALIFORNIA CENTER FOR PUBLIC HEALTH ADVOCACY	20153323	93 136	23,979	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1511002	93 136	10,079	
CHILDREN'S HOSPITAL OF PITTSBURGH	CDC/CHOP SUB 0025841-119862-03 SILV	93 136	13,295	
BOSTON UNIVERSITY	4500001805-cyc1	93 143	108,017	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	400763-5801	93 143	74,596	
CITY AND COUNTY OF SAN FRANCISCO	BPHC11000127	93 145	188,996	
CITY AND COUNTY OF SAN FRANCISCO	HCPD13	93 145	72	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	0054.021.901/0054.021.904	93 153	5,167	
CITY AND COUNTY OF SAN FRANCISCO	BPHC11000117	93 157	1,948,994	38,409
CITY AND COUNTY OF SAN FRANCISCO	BPHC11000126	93 157	738,786	251,816
AMERICAN COLLEGE OF MEDICAL TOXICOLOGY INC.	41U61TS000238-R9-01	93 161	180,843	20,597
AMERICAN COLLEGE OF MEDICAL TOXICOLOGY INC.	78195	93 161	430	
ASSOCIATION OF OCCUPATIONAL AND ENVIRONMENTAL CLINICS	F/OCCUP ENV AOEC-43431 BAKER B10.09	93 161	1,397	
ASSOCIATION OF OCCUPATIONAL AND ENVIRONMENTAL CLINICS	SKW TROSTBERG AKTIENGESELLSCH	93 161	3,944	
ARIMA GENOMICS, LLC	Sub 20143838 (HG008118)	93 172	266,729	
BRIGHAM AND WOMEN'S HOSPITAL	109737	93 172	690	
BRIGHAM AND WOMEN'S HOSPITAL	BROAD INSTITUTE, INC. IDEKER	93 172	1,604	
COLUMBIA UNIVERSITY	2 (GG010353)-cyc4	93 172	34,790	
CORNELL UNIVERSITY	63519-10076	93 172	10,874	
CORNELL UNIVERSITY	63519-9682	93 172	50	
HARVARD UNIVERSITY	SUB 148893 (HG005550)	93 172	18,525	
HUDSONALPHA INSTITUTE FOR BIOTECHNOLOGY	20000.002.04-01-cyc1	93 172	244,208	
INDIANA UNIVERSITY	SUB BL-4629708-UCSD (HG007078)	93 172	92,987	
JACKSON LABORATORY, THE	Sub TBI (HG007497)	93 172	254,956	
JOHNS HOPKINS UNIVERSITY	NIH-JHU/ZHANG54.5%/04/12	93 172	(3,778)	
KAISER PERMANENTE DIVISION OF RESEARCH	115-6547-1	93 172	102,425	
LUDWIG INSTITUTE FOR CANCER RESEARCH	SUB 241301-05003 (HG006997)	93 172	187,159	
LUDWIG INSTITUTE FOR CANCER RESEARCH	SUB 242201-05003A (HG008135)	93 172	235,054	

The accompanying notes are an integral part of this schedule.

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
LUDWIG INSTITUTE FOR CANCER RESEARCH	Sub 242201-05003B (HG008135)	93 172	54,949	
MISSION BIO, INC.	UCSF#A124652	93 172	7,090	
MOLECULAR ASSEMBLIES, INC	201500348	93 172	33,746	
STANFORD UNIVERSITY	21054650-8167-D-FC	93 172	107,965	
STANFORD UNIVERSITY	60141508-106846-A-05	93 172	49,034	
STANFORD UNIVERSITY	U01HG009080 BURCHARD	93 172	1,506	
UNIVERSITY OF CHICAGO	FP055388:4	93 172	55,321	
UNIVERSITY OF CONNECTICUT	SUB 43161830 (HG007005)	93 172	208,928	
UNIVERSITY OF CONNECTICUT	SUB UCHC6-42832973 (HG007005)	93 172	1,231,741	
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL	WA00276640/RFS2015141	93 172	185,469	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	1U01HG007437-01	93 172	21,249	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	88300	93 172	(48)	
UNIVERSITY OF UTAH	10020594-1	93 172	(1,831)	
UNIVERSITY OF WASHINGTON	UWSC8775	93 172	11,960	
WASHINGTON UNIVERSITY IN ST. LOUIS	UCSF#A122114	93 172	138,498	
WELLCOME TRUST, THE	A00-2225-004	93 172	256,106	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	Sub SA0000505 (DC015046)	93 173	76,575	
CHILDREN'S NATIONAL MEDICAL CENTER	30001518-13-01	93 173	13,808	
FATHER FLANAGANS BOYS HOME	UCSF#A125753	93 173	40,272	
JOHNS HOPKINS UNIVERSITY	2002596820	93 173	22,584	
OREGON HEALTH & SCIENCE UNIVERSITY	006897	93 173	23,349	
OREGON HEALTH & SCIENCE UNIVERSITY	Sub 1002383 (DC012938	93 173	30,678	
PRAXIS BIOSCIENCES, LLC	F/PRAXIS PB-50904 CERUSSI J53.0 06/	93 173	(10,637)	
SALK INSTITUTE FOR BIOLOGICAL STUDIES	201601254	93 173	25,274	
UNIVERSITY OF ILLINOIS	SUB 2013-05055-01 (DC013181)	93 173	8,944	
UNIVERSITY OF SOUTH CAROLINA	16-3089-cyc1	93 173	5,625	
UNIVERSITY OF SOUTHERN CALIFORNIA	43641860:2	93 173	5,100	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0011468B	93 173	15,295	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0011468C-cyc1	93 173	19,372	
UNIVERSITY OF TEXAS-AUSTIN	R03DC013403	93 173	85,466	
WEST VIRGINIA UNIVERSITY	SUB 05-159-UCSD (DC007695)	93 173	62,534	
CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIX2012HRSA-UCSD-1 (MC20405	93 184	7,913	
CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIX2011CDC-UCSF-1	93 184	21,005	
ACADEMIC PEDIATRIC ASSOCIATION	20152286	93 185	7,847	
JOHNS HOPKINS UNIVERSITY	2001377393 (HHS A290201100007C)	93 185	69,513	
UNIVERSITY OF ROCHESTER	416612	93 185	59,341	
UNIVERSITY OF ROCHESTER	416614	93 185	9,339	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	5R01AT006515	93 213	42,341	
MIRIAM HOSPITAL, THE	Sub 710-9146 (AT006948)	93 213	19,786	
PARTNERS HEALTHCARE SYSTEM, INC	224322	93 213	8,392	
PARTNERS HEALTHCARE SYSTEM, INC	PSA-032408-cyc7	93 213	373	
RAND CORP	9920140048:03	93 213	127,688	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	A125156	93 213	43,935	
UNIVERSITY OF CONNECTICUT	SUB 7012 (AT006466)	93 213	150,628	
UNIVERSITY OF TEXAS-SOUTHWESTERN MEDICAL CENTER AT DALLAS	GMO-120903	93 213	281,280	

The accompanying notes are an integral part of this schedule.

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 309059 HENRY 8/14	93 213	(5,701)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	PA GOLSHAN 312138 (AT 007936)	93 213	20,955	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	REDWINE 312149 08658(AT007600)	93 213	15,611	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	SUB 08658002-313884 (AT007600)	93 213	2,441	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA 312160 CARTER(AT007600)	93 213	589	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA 314281 CASMAR (AT007936)	93 213	16,048	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA 314282 ROBINSON (AT007936)	93 213	27,488	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA ADV WILSON (AT007600)	93 213	1,122	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA HONG 309793 (AT007600-01A1	93 213	1,775	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA HURST 312140 (AT 007936)	93 213	5,897	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA LANG 312136 (AT007936)	93 213	33,934	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA PUNG 312730 (AT 007600)	93 213	5,215	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA TAUB 313152 (AT007600)	93 213	3,280	
UNIVERSITY OF TEXAS-SOUTHWESTERN MEDICAL CENTER AT DALLAS	A15-0206-001	93 213	91,031	
UNIVERSITY OF MICHIGAN	3003117844-cyc2	93 220	27,737	
CEDARS-SINAI MEDICAL CENTER	0001207401	93 226	34,368	
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	134795	93 226	28,463	
CHILDREN'S HOSPITAL OF PHILADELPHIA	321060	93 226	72,308	
DARTMOUTH COLLEGE	R814	93 226	5,910	
DARTMOUTH COLLEGE	R815	93 226	123,549	
DUKE UNIVERSITY	2038054	93 226	48,850	
DUKE UNIVERSITY	2038742	93 226	110,312	
DUKE UNIVERSITY	2039719	93 226	11,477	
HARVARD PILGRIM HEALTH CARE	1R18HS021424-01-cyc4	93 226	130,419	
JOHNS HOPKINS UNIVERSITY	2002441400-cyc1	93 226	75,608	
PALO ALTO MEDICAL FOUNDATION	4-0802	93 226	2,166	
RAND CORP	RAND/DHHS 9920140072 FITZGERA 4/15	93 226	12,294	
RAND CORP	9920150014	93 226	24,811	
RAND CORP	9920160022	93 226	70,737	
RHODE ISLAND HOSPITAL	1R18HS022860-01A 1	93 226	60,457	
STANFORD UNIVERSITY	60856377-114856	93 226	142,340	
UNIVERSITY OF ROCHESTER	416668	93 226	81,694	
UNIVERSITY OF UTAH	10035492-01	93 226	28,055	
UNIVERSITY OF UTAH	10035492-05	93 226	29,100	
VANDERBILT UNIVERSITY	VUMC 57336	93 226	12,405	
VANDERBILT UNIVERSITY	VUMC42001-CYC2	93 226	1,346	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	08512003-313401-cyc1	93 226	24,702	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	HA 311617 (1R01HS021290-01A1)	93 226	29,711	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA LIU 311669 (HS 021290)	93 226	15,912	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA WEIBEL 311684 (HS021290	93 226	31,936	
WAYNE STATE UNIVERSITY	WSU12079	93 226	10,743	
ARIZONA STATE UNIVERSITY/TEMPE	15-601	93 233	198,515	
CALIFORNIA PACIFIC MEDICAL CENTER RESEARCH INSTITUTE	2803209-S106 BAUER	93 233	(147)	
UNIVERSITY OF COLORADO DENVER	FY15.001.001-cyc1	93 237	183,129	
STANFORD UNIVERSITY	60962873-104354	93 239	13,141	

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			Total Federal Expenditures	Pass-Through to Subrecipients
STANFORD UNIVERSITY	60983264-104354-cyc1	93 239	14,339	
ADVANCED BRAIN MONITORING, INC.	Sub None (MH097303)	93 242	162,615	
ALLEN/LOEB ASSOCIATES	A127351	93 242	11,347	
ALLEN/LOEB ASSOCIATES	Web-Based Support for Implemen	93 242	29	
BIOPICO SYSTEMS	BPS-101073-cyc2	93 242	11,231	
BRANDEIS UNIVERSITY	SUB 402255 (MH102841)	93 242	167,290	
BRENTWOOD BIOMEDICAL RESEARCH INSTITUTE	20084197	93 242	4,058	
BRIGHAM AND WOMEN'S HOSPITAL	Sub 112807 (MH091448)	93 242	80,277	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	Sub SA0000067 (MH100260)	93 242	18,200	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	Sub SA0000289 (MH098124)	93 242	9,404	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	Sub SA0000381 (MH102578)	93 242	93,554	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	Sub SA0000471 (MH107802)	93 242	10,265	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	Sub SA0000475 (MH103494)	93 242	25,711	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	Sub SA0000478 (MH107802)	93 242	12,723	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	Sub SA0000502 (5R01MH101173-02	93 242	15,479	
CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	S10-0009 DWORKIN	93 242	26	
CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	S10-0010	93 242	3,311	
CARE NEW ENGLAND HEALTH SYSTEMS	CARE NEW ENGLAND HEALTH SYSTEMS (88094)	93 242	(6)	
CARE NEW ENGLAND HEALTH SYSTEMS	CARE NEW ENGLAND HEALTH SYSTEMS STR (88329)	93 242	(236)	
COLD SPRING HARBOR LABORATORY	NIH-CSHL/KARTEN/54.5%	93 242	(20)	
COLUMBIA UNIVERSITY	007625	93 242	77,926	
COLUMBIA UNIVERSITY	1(GG009636):1	93 242	51,794	
COLUMBIA UNIVERSITY	COLUMBIA UNIVERSITY HILLYARD	93 242	(185)	
DANA-FARBER CANCER INSTITUTE	1229301	93 242	33,385	
GEORGE WASHINGTON UNIVERSITY	13-528	93 242	19,057	
GEORGETOWN UNIVERSITY	Sub 411069 GR411012-UCSD (MH10	93 242	83,791	
GLADSTONE INSTITUTES	R2419-A	93 242	41,147	
GROUP HEALTH COOPERATIVE	MH092201-04-UCSF	93 242	68,770	
HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE	2196 / PO # 735721(MH087981)	93 242	(1,691)	
HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE	834958	93 242	10,640	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	Sub 0253-6142-4609 (MH080663)	93 242	4,813	
JOHNS HOPKINS UNIVERSITY	NIH/JHU 2001596933 SPECTOR	93 242	2,552	
JOHNS HOPKINS UNIVERSITY	Sub Task LDR03 (AI068632)	93 242	19,098	
KDAC THERAPEUTICS	KDAC-203835-cyc1	93 242	5,119	
KENNEDY KRIEGER INSTITUTE	037366	93 242	16,918	
KENNEDY KRIEGER INSTITUTE	SUB NONE (MH085328)	93 242	8,620	
LOS ANGELES BIOMEDICAL RESEARCH INSTITUTE AT HARBOR-UCLA MEDICAL CTR	15005544:1	93 242	146,975	
MASSACHUSETTS GENERAL HOSPITAL	216662	93 242	150,123	
MASSACHUSETTS GENERAL HOSPITAL	225144	93 242	88,642	
MASSACHUSETTS GENERAL HOSPITAL	MGH/NIH 217120 TOGA 08/13 54%	93 242	1,282	
MEDICAL UNIVERSITY OF SOUTH CAROLINA	MUSC15-083-cyc1	93 242	21,385	
MOUNT SINAI MEDICAL CENTER	0253-6142-4609:2	93 242	13,608	
NEUROINDX, INC.	20141039	93 242	6,572	
NEW YORK ACADEMY OF MEDICINE	UC01	93 242	44,118	
NEW YORK UNIVERSITY	15-A1-00-002894-01	93 242	20,270	

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		CFDA Number	Federal Expenditures	Total Federal Expenditures	Pass-Through to Subrecipients
NORTH SHORE-LONG ISLAND JEWISH HEALTH SYSTEM	500673	93 242		18,830	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	VIN1245B LOEWY	93 242		(2,248)	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	MAT1870-095181	93 242		172,489	
NORTHWESTERN UNIVERSITY	60033871-cyc4	93 242		111,475	
NORTHWESTERN UNIVERSITY	60037237 UCSF	93 242		55,158	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	0176.0103	93 242		4,395	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	1R01MH109320-01	93 242		21,323	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	2417.001.001EPIC	93 242		2	
RADY CHILDREN'S HOSPITAL RESEARCH CENTER	SUB NONE (MH104289)	93 242		51,774	
RAND CORP	9920150022	93 242		61,464	
RAND CORP	9920150037	93 242		166,278	
RAND CORP	9920150088	93 242		54,939	
RESEARCH FOUNDATION FOR MENTAL HYGIENE	122583	93 242		860	
RESEARCH FOUNDATION FOR MENTAL HYGIENE	RESEARCH FOUNDATION -107617	93 242		(276)	
RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK (THE)	624371105683UCD	93 242		19,231	
RHODE ISLAND HOSPITAL	701-5452:3	93 242		12,072	
RTI INTERNATIONAL	2-312-0214355-51850L	93 242		14,061	
SALK INSTITUTE FOR BIOLOGICAL STUDIES	SUB none (MH099571)	93 242		168,929	
SALK INSTITUTE FOR BIOLOGICAL STUDIES	Sub P0037374 (MH091407)	93 242		47,560	
SALK INSTITUTE FOR BIOLOGICAL STUDIES	SUB PO 143590 (MH104756)	93 242		1,043	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	NIH/SSS BRS-IMPCT-S-11-000016-00166	93 242		107	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	NIH/SSS BRS-IMPCT-S-11-000016-00157	93 242		146	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	NIH/SSS BRS-IMPCT-S-11-000016-00201	93 242		130	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	NIH/SSS 1246-AI068632 SPECTOR 54.5	93 242		593	
STANFORD UNIVERSITY	60546456-108656:01	93 242		(5,473)	
STANFORD UNIVERSITY	61097380-119948	93 242		356,191	
STANFORD UNIVERSITY	SUB 60444056-108656 (MH100900)	93 242		240	
STANFORD UNIVERSITY	SUB 60870346-103420	93 242		117,176	
STANFORD UNIVERSITY	Sub 60881566-43092 (MH086135)	93 242		52,211	
TEMPLE UNIVERSITY	360762-UCLA:3	93 242		53,762	
THE MIND RESEARCH NETWORK	6169-002 SUBN1-cyc1	93 242		95,212	
THE SCRIPPS RESEARCH INSTITUTE	NIH-TSRI/IDEKER	93 242		(3,180)	
THE SCRIPPS RESEARCH INSTITUTE	SUB 5-50366 (MH100175)	93 242		1,117	
THE SCRIPPS RESEARCH INSTITUTE	SUB 5-50499 (MH103134)	93 242		83,645	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	000388010-017	93 242		35,373	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000504051-001	93 242		27,578	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000506211-002	93 242		128,250	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	Sub 000509302 (MH081917)	93 242		21,208	
THINK-NOW INC.	20153040	93 242		30,371	
UNIVERSITY OF CAPE TOWN	A125318	93 242		23,234	
UNIVERSITY OF CHICAGO	Sub FP060924 (MH087214)	93 242		25,931	
UNIVERSITY OF ILLINOIS	2013-02152-01-02	93 242		18,493	
UNIVERSITY OF ILLINOIS	B 2013-00362-02-00 (MH101043)	93 242		28,547	
UNIVERSITY OF IOWA	SUB W000657638 (MH105527)	93 242		16,222	
UNIVERSITY OF MARYLAND, BALTIMORE	7761	93 242		153,102	

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UNIVERSITY OF MIAMI	SUB 663805 (MH100942)	93 242	372,979	
UNIVERSITY OF MICHIGAN	3003330099	93 242	96,339	
UNIVERSITY OF MICHIGAN	3003844676-cyc1	93 242	25,463	
UNIVERSITY OF NEBRASKA	Sub 34-5160-2039-110 (MH062261)	93 242	171,040	
UNIVERSITY OF NEBRASKA	SUB 34-5160-2085-002(MH094160)	93 242	42,620	
UNIVERSITY OF NEBRASKA MEDICAL CENTER	Sub 34-5160-2057-615 (MH062261)	93 242	61,780	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5030448	93 242	11,002	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5101901	93 242	2,413	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5-31865	93 242	220,289	
UNIVERSITY OF PENNSYLVANIA	562318	93 242	44,822	
UNIVERSITY OF PENNSYLVANIA	564938	93 242	50,619	
UNIVERSITY OF PITTSBURGH	0030253 (123481-1)	93 242	35,216	
UNIVERSITY OF PITTSBURGH	0048409 (125934-1):1	93 242	52,741	
UNIVERSITY OF PITTSBURGH	FDP-UNIPITTS/NIH 0017881 STROBER 4/	93 242	193,813	
UNIVERSITY OF PITTSBURGH	FFT (NIH) U PITTS SUB 9007196 THOM	93 242	(202)	
UNIVERSITY OF PITTSBURGH	Sub 9007201 (120215-1) (MH0903	93 242	834	
UNIVERSITY OF ROCHESTER	Sub 416741-G (MH104756)	93 242	123,419	
UNIVERSITY OF SOUTHERN CALIFORNIA	44748603:01	93 242	215,764	
UNIVERSITY OF SOUTHERN CALIFORNIA	SUB 46137897 (MH100979)	93 242	6,624	
UNIVERSITY OF WASHINGTON	UW/NIH SUB 748835 GAINES 8% 2013	93 242	(406)	
UNIVERSITY OF WASHINGTON	UWSC8566	93 242	6,399	
UNIVERSITY OF WISCONSIN-MADISON	Sub 647K544 (MH095984)	93 242	46,485	
VANDERBILT UNIVERSITY	21951-S2:7	93 242	51,466	
VANDERBILT UNIVERSITY	Sub 38441 (MH095621)	93 242	119,457	
VANDERBILT UNIVERSITY	Sub 8077-020521 (MH106748)	93 242	5,275	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	Vmrf 256308 Henry	93 242	(6,727)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH MUDALIAR	93 242	(12,282)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	Sub Eyler (MH083968)	93 242	20,574	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA (NIH) DALY 8152 (MH091057)	93 242	2,305	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Aarons 308075 (MH091057)	93 242	11,849	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA BUZZELLA 312451 (MH100410)	93 242	3,407	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Eyler (MH083968)	93 242	9,821	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA FEIFEL (MH100410)	93 242	21,445	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Golshan 308077 (MH091057)	93 242	1,684	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA GRANHOLM (MH100410)	93 242	41,615	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Granholm 300615 (MH091057)	93 242	42,372	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Perivoliotis 308078 (MH091	93 242	5,147	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Rufener 303767 (MH091057-0	93 242	2,499	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Sommerfeld 308079 (MH09105	93 242	25,902	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA WORLEY 315555 (MH 091057-	93 242	2,785	
WASHINGTON UNIVERSITY IN ST. LOUIS	SUB WU-14-154 (MH091657)	93 242	802	
WEST VIRGINIA UNIVERSITY	14716	93 242	87,778	
WRIGHT STATE UNIVERSITY	R21MH099361	93 242	98,528	
YALE UNIVERSITY	1P50MH106934-01	93 242	187,986	
YALE UNIVERSITY	YALE UNIV M13A11523 06/13 54%	93 242	7,504	

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
YALE UNIVERSITY	C15A12041 (A10127)	93 242	501,710	
YALE UNIVERSITY	C16A12292 (A10323)	93 242	55,191	
YALE UNIVERSITY	M13A11486 (A09057):02	93 242	290,219	
YALE UNIVERSITY	M14A11717(A09236)	93 242	7,559	
YALE UNIVERSITY	M14A11730 (A09454) (MH099979)	93 242	310	
YALE UNIVERSITY	M15A11970 (A10040) (MH977969)	93 242	37,149	
YALE UNIVERSITY	M15A12179 (A10304)	93 242	191,041	
YALE UNIVERSITY	M15A12265 (A10439)	93 242	31,322	
YALE UNIVERSITY	M16A12222 (A10393)	93 242	521,609	
YALE UNIVERSITY	M16A12225 (A10393)	93 242	190,281	
YALE UNIVERSITY	YALE_M14A11892	93 242	107,049	
CLARE FOUNDATION, INC.	20152532	93 243	95,566	
GOOD SAMARITAN SHELTER	SB130033	93 243	43,599	
HEALTHRIGHT 360	20114625	93 243	9,664	
HEALTHRIGHT 360	2014-15:2	93 243	17,355	
SANTA BARBARA, COUNTY OF	SB COUNTY (DHHS) BC15060 6/15	93 243	(2,236)	
SANTA BARBARA, COUNTY OF	BC 15-060	93 243	68	
SPECIAL SERVICES FOR GROUPS	4550:04	93 243	10,536	
TIME FOR CHANGE FOUNDATION	H79TI024020:02	93 243	18,072	
CALIFORNIA DEPARTMENT OF HEALTH CARE SERVICES	1289548	93 251	10,179	2,000
CALIFORNIA DEPARTMENT OF HEALTH CARE SERVICES	15-92217	93 251	41,523	
CPWR - THE CENTER FOR CONSTRUCTION RESEARCH AND TRAINING	3001-609-01	93 262	156,820	
CPWR - THE CENTER FOR CONSTRUCTION RESEARCH AND TRAINING	3001-614-01	93 262	131,763	15,757
CPWR - THE CENTER FOR CONSTRUCTION RESEARCH AND TRAINING	U600H009762	93 262	232,048	
GEORGE WASHINGTON UNIVERSITY	13-M107	93 262	(4,338)	
GEORGE WASHINGTON UNIVERSITY	14-M53	93 262	41,398	
GEORGE WASHINGTON UNIVERSITY	15-M43	93 262	45,580	
STANFORD UNIVERSITY	29007300-48844-B	93 262	159,930	
UNIVERSITY OF IOWA	Sub W000794302 (OH010238)	93 262	18,215	
UNIVERSITY OF MINNESOTA	A004330202	93 262	49,430	
UNIVERSITY OF WASHINGTON	764047	93 262	40,837	
HEALTH RESEARCH, INC.	Hlth Res Inc, Geng	93 266	(4,223)	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	13-10010 RUTHERFORD	93 268	12,469,249	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 294934 SCHULTEIS 2/11	93 270	2,828	
BIOLINQ, INC.	Sub 20154324 (AA024643)	93 273	11,423	
BRENTWOOD BIOMEDICAL RESEARCH INSTITUTE	20111179	93 273	109,325	
BRENTWOOD BIOMEDICAL RESEARCH INSTITUTE	20111881:4	93 273	28,505	
BRENTWOOD BIOMEDICAL RESEARCH INSTITUTE	BBR/NIH 20090297 GUKOVSKY 02/11 26	93 273	(1,156)	
BROWN UNIVERSITY	SUB 00000613 (AA019072)	93 273	22,258	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	Sub 57976A 7802 P4352 211 (AA0	93 273	4,941	
CHILDREN'S HOSPITAL OF LOS ANGELES	P2013-0010:3	93 273	19,275	
CLEVELAND CLINIC FOUNDATION	CLEVELAND CLINIC 270SUB FELDSTEIN	93 273	(22,193)	
COLUMBIA UNIVERSITY	1(GG008346)	93 273	32,269	
GROUP HEALTH COOPERATIVE	2015123695	93 273	13,807	
GROUP HEALTH COOPERATIVE	2015173830	93 273	15,889	

The accompanying notes are an integral part of this schedule.

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		Pass-Through to Subrecipients
		Federal CFDA Number	Total Federal Expenditures	
GROUP HEALTH COOPERATIVE	2015173832	93 273	15,889	
GROUP HEALTH COOPERATIVE	2016108379	93 273	5,923	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	Sub 0255-5041-4609 (AA018734)	93 273	(23)	
KENNEDY KRIEGER INSTITUTE	Sub None (AA024404)	93 273	24,345	
NEW YORK UNIVERSITY	F7090-01:01	93 273	88,031	
OREGON HEALTH & SCIENCE UNIVERSITY	Sub 9007455 (AA013641)	93 273	26,975	
PUBLIC HEALTH INSTITUTE	1020572	93 273	30,557	
RAND CORP	9920130157:01	93 273	56,863	
RHODE ISLAND HOSPITAL	701-5475-1-CA	93 273	4,547	
SRI INTERNATIONAL	157-000018	93 273	31,301	
SUNY DOWNSTATE MEDICAL CENTER	Sub 1009189 (AA008401)	93 273	570,259	
UNIVERSITY OF ARIZONA	13391	93 273	13,009	
UNIVERSITY OF MISSOURI - KANSAS CITY	004428500036238	93 273	14,308	
UNIVERSITY OF NEW MEXICO	028328-873N	93 273	3,154	
UNIVERSITY OF PITTSBURGH	SUB 0029929 (AA021690)	93 273	6,044	
UNIVERSITY OF SOUTHERN CALIFORNIA	58445116	93 273	84,737	
UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 48143238 (AA011999)	93 273	134,383	
UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 48143288 (AA011999)	93 273	4,804	
UNIVERSITY OF SOUTHERN CALIFORNIA	SUB 58436214 (AA011999)	93 273	27,900	
UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 70546921 (AA011999)	93 273	861	
UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 70547055 (AA011999)	93 273	2,928	
UNIVERSITY OF TEXAS-AUSTIN	UTA13-000879	93 273	51,740	
UNIVERSITY OF VIRGINIA	SUB GC12038-140273 (AA019720)	93 273	83,102	
UNIVERSITY OF WASHINGTON	701474-CYC6	93 273	86,030	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Ho 310664 (AA021908)	93 273	3,231	
WASHINGTON UNIVERSITY IN ST. LOUIS	SUB WU-15-189 (TR000481)	93 273	26,816	
WAYNE STATE UNIVERSITY	SUB WSU14013 (AA022891)	93 273	4,803	
AMERICAN ACADEMY OF CHILD & ADOLESCENT PSYCHIATRY	NIDA-AACAP-Meruelo	93 279	5,053	
ANTIDOTE THERAPEUTICS, INC.	Sub 20143632 (DA038877)	93 279	97,095	
BAYLOR COLLEGE OF MEDICINE	Sub SC102150631 (DA036134)	93 279	57,956	
BOSTON MEDICAL CENTER CORPORATION	Sub 0310101 (DA032082)	93 279	42,863	
BOSTON UNIVERSITY	4500001814	93 279	76,978	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	SA0000428	93 279	(5,576)	
CARE NEW ENGLAND HEALTH SYSTEMS	CARE NEW ENGLAND HEALTH SYSTEMS STR (88478)	93 279	(53)	
CHILDREN'S HOSPITAL OF LOS ANGELES	P2014-0049	93 279	4,912	
CHILDREN'S HOSPITAL OF LOS ANGELES	P2015-0407	93 279	276,036	
COLUMBIA UNIVERSITY	1(GG008409)	93 279	16,387	
COLUMBIA UNIVERSITY	1(GG011510)	93 279	189,946	
EMORY UNIVERSITY	SUB T232419 (DA036233)	93 279	14,860	
FLORIDA INTERNATIONAL UNIVERSITY	800002647-01	93 279	11,420	
FORDHAM UNIVERSITY	FISHER FELLOW:02	93 279	3,062	1,800
FRED HUTCHINSON CANCER RESEARCH CENTER	0000848137	93 279	101,133	
FRIENDS RESEARCH INST., INC.	11338-3	93 279	19,322	
FRIENDS RESEARCH INST., INC.	11339-2:1	93 279	(786)	
GROUP HEALTH COOPERATIVE	2014184493	93 279	2,845	

The accompanying notes are an integral part of this schedule.

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		Pass-Through to Subrecipients
		Federal CFDA Number	Total Federal Expenditures	
GROUP HEALTH COOPERATIVE	2015173125	93 279	14,151	
IQ SOLUTIONS INC.	NIDA-ANRS Fellowship	93 279	19,035	
IQ SOLUTIONS INC.	NIDA-INSERM-ZELL	93 279	46,128	
JOHNS HOPKINS UNIVERSITY	2001603363	93 279	101,424	
KAISER PERMANENTE DIVISION OF RESEARCH	RNG200340-UCSF-01	93 279	26,075	
MAGEE-WOMENS HOSPITAL, RESEARCH INSTITUTE AND FOUNDATION	8020	93 279	9,951	
NEW YORK UNIVERSITY	15-0-S1-003671-01	93 279	232,416	
NEW YORK UNIVERSITY	15-AO-S2-00-003671-01:1	93 279	141,902	121,952
NEW YORK UNIVERSITY	NYU/NIH 15-A0-S1-003671 LING 02/17	93 279	266,638	205,194
NORTHWESTERN UNIVERSITY	60031384	93 279	50,310	
NORTHWESTERN UNIVERSITY	60031384-UCSF#A120192	93 279	20,323	
NORTHWESTERN UNIVERSITY	60035189 UCLA:A03	93 279	10,317	
OREGON HEALTH & SCIENCE UNIVERSITY	1003544 UCI-cyc3	93 279	355,598	
OREGON HEALTH & SCIENCE UNIVERSITY	GPHPM0183A_UCSF	93 279	66,737	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	R01DA031678	93 279	7,758	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	UCSF #A121523	93 279	8,509	
RAND CORP	9920100039:5	93 279	27,076	
RAND CORP	9920130131:2	93 279	1,280	
RHODE ISLAND HOSPITAL	7137029	93 279	2,033	
RTI INTERNATIONAL	1R01DA038632-01	93 279	68,245	
STANFORD UNIVERSITY	60317762-26345-F	93 279	77,432	
STOCHASTECH CORPORATION	201602008	93 279	7,601	
THE SCRIPPS RESEARCH INSTITUTE	5-20141 (DA031566)	93 279	45,956	
THE SCRIPPS RESEARCH INSTITUTE	Sub 5-20694 (DA029968)	93 279	12,049	
THE SCRIPPS RESEARCH INSTITUTE	Sub 5-52217 (DA 036164)	93 279	44,450	
THE SCRIPPS RESEARCH INSTITUTE	SUB 5-52431 (DA040458)	93 279	46,267	
TULANE UNIVERSITY	NIH/TULANE 20130541 SPECTOR	93 279	(21,959)	
UNIVERSITY OF BRITISH COLUMBIA	20R08866:2	93 279	(109)	
UNIVERSITY OF CHICAGO	47695-A SEN	93 279	(2,912)	
UNIVERSITY OF CHICAGO	FP095270-B	93 279	67,286	
UNIVERSITY OF COLORADO DENVER	Sub none (DA035804)	93 279	328,675	
UNIVERSITY OF GEORGIA	RR376-411/4945336	93 279	15,268	
UNIVERSITY OF KANSAS/KU CENTER FOR RESEARCH, INC.	1R01DA03579-01A1	93 279	15,997	
UNIVERSITY OF KANSAS/KU CENTER FOR RESEARCH, INC.	QN858270	93 279	103,264	
UNIVERSITY OF MIAMI	UMIAMI/NIH GELBERG M175215 05/13 26	93 279	(114)	
UNIVERSITY OF MICHIGAN	3003833985	93 279	7,625	
UNIVERSITY OF MINNESOTA	U54DA031659	93 279	729,489	
UNIVERSITY OF NEVADA, RENO	UNR-16-07 (DA038185)	93 279	19,148	
UNIVERSITY OF NEW MEXICO	2R01DA016017-12	93 279	1,109,899	
UNIVERSITY OF NEW MEXICO	7R01DA031056-05	93 279	199,978	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	1R01DA037215	93 279	48,675	
UNIVERSITY OF OREGON	006526	93 279	147,609	
UNIVERSITY OF PENNSYLVANIA	554035/10021771/1889200	93 279	34,572	
UNIVERSITY OF PENNSYLVANIA	UCSF#A116246	93 279	8,246	
UNIVERSITY OF PITTSBURGH	0046202-cyc1	93 279	19,338	

The accompanying notes are an integral part of this schedule.

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		Pass-Through to Subrecipients
		Federal CFDA Number	Total Federal Expenditures	
UNIVERSITY OF SOUTHERN CALIFORNIA	64576033	93 279	39,915	
UNIVERSITY OF UTAH	10030628-CYC1	93 279	22,420	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 254937 SCHULTES	93 279	(3,114)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Anthenelli 307431 (NIDA-VA	93 279	40,559	
WAYNE STATE UNIVERSITY	WSU12080	93 279	131,803	
ASTRAEA THERAPEUTICS, LLC	2014-UCI-033744-01-cyc2	93 279	34,780	
INTERNATIONAL AIDS SOCIETY	IAS-NIDA-GUISE	93 279	37,287	
AMERICAN THROMBOSIS AND HEMOSTASIS NETWORK	ATHN2011002-HTC17-2 (DD000761)	93 283	3,282	
ASSOCIATION OF SCHOOLS OF PUBLIC HEALTH	S5058	93 283	98,878	4,237
COMMUNITY ACTION PARTNERSHIP OF ORANGE COUNTY	CAPOC -201561-cyc1	93 283	198,761	
HARVARD PILGRIM HEALTH CARE	HPHC-50423-cyc7	93 283	60,410	
HISPANIC-SERVING HEALTH PROFESSIONS SCHOOLS, INC.	CDC-HSHPS/ZUNIGA/8%/12/03	93 283	(20,099)	
NATIONAL FRAGILE X FOUNDATION	201302771	93 283	6,704	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	0235.016.901	93 283	24,951	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	235.013.920	93 283	17,024	
BOSTON UNIVERSITY	4500001576	93 286	514	
BOSTON UNIVERSITY	4500001787 amd1	93 286	75,591	
BOSTON UNIVERSITY	4500001790	93 286	146,785	
CALIFORNIA INSTITUTE OF TECHNOLOGY	19GM1087680	93 286	70,691	
COLORADO STATE UNIVERSITY SYSTEM (SYSTEM PARENT CODE)	G-00068-1-cyc1	93 286	22,841	
EMORY UNIVERSITY	T494666	93 286	191,962	
GENERAL ELECTRIC COMPANY (INCL GE HEALTHCARE, GE LIGHTING INST)	400161117	93 286	172,452	
LOMA LINDA UNIVERSITY (INCL NATL MEDICAL TECHNOLOGY TESTBED, INC.)	LOM LIND U SC1201 SADROZ 01/16	93 286	11,964	
MASSACHUSETTS GENERAL HOSPITAL	221952	93 286	58,050	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	P.O. 63770979	93 286	90,483	
NANOCELECT BIOMEDICAL, INC.	Sub 20151958 (GM112442)	93 286	21,600	
NEUROENABLING TECHNOLOGIES, INC.	20145487	93 286	39,963	
NEUROENABLING TECHNOLOGIES, INC.	20145497	93 286	45,331	
NORTHWESTERN UNIVERSITY	NW SP10719/PROJ0002996 ANDRSN J53 1	93 286	(256)	
NORTHWESTERN UNIVERSITY	SP0021845-PROJ0007944	93 286	139,382	
NORTHWESTERN UNIVERSITY	SUB SP0030422-PROJ0008084 (EBO	93 286	188,290	
RUSH UNIVERSITY MEDICAL CENTER	Sub 2R56AI065361(AI065361)	93 286	89,941	
STANFORD UNIVERSITY	26590470-44290-A	93 286	103,390	
STANFORD UNIVERSITY	60664402-113972	93 286	371,163	
UNIVERSITY OF ILLINOIS	489799 E3786:3	93 286	(1,612)	
UNIVERSITY OF MEMPHIS	20142031	93 286	319,554	
UNIVERSITY OF MEMPHIS	Sub none (EB020404)	93 286	87,735	
UNIVERSITY OF MEMPHIS	U54EB020404	93 286	196,842	
UNIVERSITY OF MICHIGAN	3003598082-cyc1	93 286	529,284	
UNIVERSITY OF MINNESOTA	A002611301	93 286	6,392	
UNIVERSITY OF SOUTHERN CALIFORNIA	F/USC 149116 LEE ABRAHAM J53.0 08/1	93 286	2	
HEALTH RESEARCH, INC.	1U81HP27843-01-03	93 300	71,719	
ALTAMED HEALTH SERVICES CORPORATION	5NU58DP005740-02-00	93 304	17,719	
MANDELA MARKETPLACE INCORPORATED	MANDELA MARKETPLACE INCORPORA-Y15-	93 304	73,550	
CHARLES R. DREW UNIVERSITY OF MEDICINE AND SCIENCE	14-15-RV-G0070700-UCLA	93 307	32,948	

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
CHARLES R. DREW UNIVERSITY OF MEDICINE AND SCIENCE	15-16-RV-G0070700-UCLA	93 307	26,937	
CHARLES R. DREW UNIVERSITY OF MEDICINE AND SCIENCE	20155050	93 307	96,232	
CHARLES R. DREW UNIVERSITY OF MEDICINE AND SCIENCE	RASFDP-CDU/NIH G0986A00 SHAPIRO 05/	93 307	(42,957)	
CHARLES R. DREW UNIVERSITY OF MEDICINE AND SCIENCE	CDU/NIH JVG0077100 GIBBONS 8/14	93 307	(96)	
CHARLES R. DREW UNIVERSITY OF MEDICINE AND SCIENCE	DREW/NIH 1011KNG0986A0 SHARPIRO 5/1	93 307	(700)	
PACIFIC INSTITUTE FOR RESEARCH AND EVALUATION	Sub 0784 (MD010292)	93 307	10,068	
RAND CORP	9920140034:3	93 307	9,873	
RAND CORP	9920140145:1	93 307	105,356	
SAINT BARNABAS MEDICAL CENTER	UCLA1	93 307	122,507	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	000505098-001	93 307	98,635	
UNIVERSITY OF MINNESOTA	H003876602	93 307	8,912	
UNIVERSITY OF MINNESOTA	N004745103	93 307	12,778	
UNIVERSITY OF PITTSBURGH	0047269 (126836-1)	93 307	16,064	
UNIVERSITY OF ROCHESTER	416172-G-cyc3	93 307	84,875	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0008663AM-cyc1	93 307	16,132	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0008663AS-cyc1	93 307	11,477	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	Sub None (MD006941)	93 307	4,358	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	0008663S	93 307	5,881	
URBAN INSTITUTE	Sub 08609-006-00-UCSD-01 (MD00	93 307	76,515	
BRIGHAM AND WOMEN'S HOSPITAL	SUB 111215 (HL117861)	93 310	64,903	
BRIGHAM AND WOMEN'S HOSPITAL	SUB 111353 (HL117861)	93 310	88,458	
BROAD INSTITUTE INC.	5230122-5500000600:1	93 310	246,958	
BROAD INSTITUTE INC.	SUB 5230123-55000000792 (DK102	93 310	148,662	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	SUB SA0000339 (GM095384)	93 310	19,883	
CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	1RL5MD009599-01	93 310	136,197	
CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	S14-0004	93 310	432,336	
INDIANA UNIVERSITY	BL-4624901-UCI-cyc1	93 310	114,229	
LUDWIG INSTITUTE FOR CANCER RESEARCH	Sub 242301-05003A (DK107977)	93 310	373,743	
LUDWIG INSTITUTE FOR CANCER RESEARCH	Sub 242301-05003B (DK107977)	93 310	46,433	
LUDWIG INSTITUTE FOR CANCER RESEARCH	SUB 242301-05003s (DK107977)	93 310	10,402	
MASSACHUSETTS GENERAL HOSPITAL	1U01MH105027-01	93 310	333,672	
PROFUSA, INC.	UCSF#A120651	93 310	41,440	
RAND CORP	9920150065 :01	93 310	33,139	
SALK INSTITUTE FOR BIOLOGICAL STUDIES	SUB NONE (EB021247)	93 310	196,368	
STANFORD UNIVERSITY	60392112-109837:01	93 310	149,482	
UNIVERSITY OF CHICAGO	FP047994-A	93 310	(142,926)	
UNIVERSITY OF CHICAGO	FP054245-B	93 310	18,833	
UNIVERSITY OF CONNECTICUT	UCHC6-61884479-cyc1	93 310	169,226	
UNIVERSITY OF MASSACHUSETTS AMHERST	WA00363865/OSP2016101	93 310	174,488	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	1U01MH104974-01	93 310	262,696	
UNIVERSITY OF SOUTHERN CALIFORNIA	68588929	93 310	59,982	
UNIVERSITY OF SOUTHERN CALIFORNIA	CTAFYN035	93 310	36,758	
UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 70853595 (TR000967)	93 310	15,623	
UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 71082591 (TR000967)	93 310	64,155	
YALE UNIVERSITY	YALE AISEN SUB M15A11884 (A10043) (93 310	505,596	

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		CFDA Number	Federal Expenditures	Total Federal Expenditures	Pass-Through to Subrecipients
YESHIVA UNIVERSITY	310952	93 310		421,716	
HARVARD UNIVERSITY	152296.5089286.0107	93 310		83,434	
STANFORD UNIVERSITY	60442456-107901-B:2	93 313		171,372	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1510403	93 323		224,960	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	201501025	93 323		22,058	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	U50CK000410	93 323		14,884	
SEIU EDUCATION & SUPPORT FUND	UCSF# A121065	93 332		178,232	
CHILDREN'S HOSPITAL OF LOS ANGELES	SUB P2014-0220 SUB (TR000130)	93 350		360	
MOLECULAR EXPRESS	20152516	93 350		48,778	
UNIVERSITY OF PITTSBURGH	3UL1TR000005-09S1	93 350		4,443	
UNIVERSITY OF PITTSBURGH	9010570	93 350		(6,588)	
UNIVERSITY OF PITTSBURGH	9010570-CYC1	93 350		14,142	
UNIVERSITY OF PITTSBURGH	SUB 9010570 (TR000005)	93 350		29,716	
UNIVERSITY OF PITTSBURGH	Sub 9011366 (TR000005)	93 350		5,079	
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-15-182-cyc1	93 350		338,786	
JACKSON LABORATORY, THE	SUB NONE (OD020351)	93 351		19,878	
JACKSON LABORATORY, THE	TBI	93 351		20,265	
MASSACHUSETTS GENERAL HOSPITAL	224641	93 351		252,552	
MICHIGAN STATE UNIVERSITY	RC104007UCD	93 351		209,436	
OREGON HEALTH & SCIENCE UNIVERSITY	1001928UCD	93 351		47,711	
UNIVERSITY OF KANSAS/KU CENTER FOR RESEARCH, INC.	FY2016-054-cyc1	93 351		26,324	
UNIVERSITY OF WASHINGTON	UWSC8629BPO9536	93 351		153,773	
NATIONAL UNIVERSITY	202101-001-FY2016	93 359		30,665	
DUKE UNIVERSITY	U24NR014637	93 361		227,496	
HARVARD UNIVERSITY	1215005	93 361		36,160	
KENT STATE UNIVERSITY	1R01NR015674-01	93 361		63,389	
NEW YORK UNIVERSITY	F7604-01	93 361		35,549	
UNIVERSITY OF PITTSBURGH	0019358(119075-2)	93 361		101,883	
UNIVERSITY OF PITTSBURGH	0032090 (123962-2)	93 361		22,724	
WASHINGTON UNIVERSITY IN ST. LOUIS	Sub WU-14-85 (NR014449)	93 361		23,491	
WASHINGTON UNIVERSITY IN ST. LOUIS	Sub WU-16-302 (NR015738)	93 361		6,790	
KENT STATE UNIVERSITY	A15-0113-001	93 361		16,834	
CHILDREN'S HOSPITAL AND RESEARCH CENTER AT OAKLAND	128927UCD	93 365		29,673	
CHILDREN'S HOSPITAL AND RESEARCH CENTER AT OAKLAND	CHILDREN'S HOSPITAL AND RESE-12_892	93 365		15,543	
THE SCRIPPS RESEARCH INSTITUTE	Sub 5-50506 (TR001114)	93 371		133,007	
LAM FOUNDATION, THE	THELAM/NIH 20081178 LYNCH 7/9 10%	93 389		(4,835)	
OCT MEDICAL IMAGING, INC	OCT-55725-cyc2	93 389		48,624	
UNIVERSITY OF SOUTHERN CALIFORNIA	USC/NIH 36505147 TOGA 10/13 54%	93 389		3,716	
BAYLOR COLLEGE OF MEDICINE	101622295	93 393		34,222	
BIOMEDICAL RESEARCH INSTITUTE OF NEW MEXICO	20153517	93 393		10,209	
BRIGHAM AND WOMEN'S HOSPITAL	107288:4	93 393		42,169	
BRIGHAM AND WOMEN'S HOSPITAL	108520	93 393		9,645	
BRIGHAM AND WOMEN'S HOSPITAL	BWH/NIH SUB105240/CA138962 JAIN 55%	93 393		(15,650)	
CHILDREN'S HOSPITAL OF PHILADELPHIA	321072	93 393		154,179	
CHILDREN'S HOSPITAL OF PHILADELPHIA	CHILDREN'S HOSP OF PHIL FP00013087	93 393		(43,189)	

The accompanying notes are an integral part of this schedule.

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CHILDREN'S MERCY HOSPITAL, THE	Sub 16-0002 (CA194492)	93 393	22,412	
CITY OF HOPE	22524.915837.6695-cyc12	93 393	81,893	
CITY OF HOPE	3000026124	93 393	154,331	
CITY OF HOPE	50040.1914961.669303:4	93 393	12,558	
CITY OF HOPE	50297.2000498.6693-cyc4	93 393	331,317	
CITY OF HOPE	51974.2001759.669304-cyc1	93 393	195,944	
CITY OF HOPE	CITY OF HOPE (78601)	93 393	(236)	
CITY OF HOPE	CITY OF HOPE (78663)	93 393	(4,216)	
CITY OF HOPE	Sub 51974.2001759.669301 (CA19	93 393	444,246	
CLAREMONT COLLEGES	CLAREMONT COLLEGES (NIH CA150559) P	93 393	910	
DARTMOUTH COLLEGE	DARTMOUTH#902	93 393	57,370	
EMMES CORPORATION, THE	1568GNA643	93 393	25,169	
FRED HUTCHINSON CANCER RESEARCH CENTER	0000701013	93 393	2,972	
FRED HUTCHINSON CANCER RESEARCH CENTER	0000845112	93 393	14,367	
FRED HUTCHINSON CANCER RESEARCH CENTER	R01CA183570	93 393	40,320	
GROUP HEALTH COOPERATIVE	2014118673	93 393	1,265	
GROUP HEALTH COOPERATIVE	CA154292-UCSF	93 393	699,246	84,870
HARVARD UNIVERSITY	114181-5077986	93 393	36,096	
HEALTH RESEARCH, INC.	45-01	93 393	(1,222)	
HEALTH RESEARCH, INC.	Sub55-0979-01(CA132951)	93 393	146,162	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	Sub 0255 7461 4609 (CA178307	93 393	25,869	
JOHNS HOPKINS UNIVERSITY	2001273933	93 393	3,631	
KAISER PERMANENTE DIVISION OF RESEARCH	OSR #03033223	93 393	(1,989)	
KAISER PERMANENTE DIVISION OF RESEARCH	UCSF#A121466	93 393	18,150	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	63253912	93 393	209,956	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	PRIME:1R01CA154517-01A1	93 393	131,857	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	UCSF#A115113	93 393	4,047	
NATIONAL DEVELOPMENT AND RESEARCH INSTITUTES, INC.	626A	93 393	167,955	
NORTHWESTERN UNIVERSITY	1R01CA16404101	93 393	14,950	
NORTHWESTERN UNIVERSITY	60034672UCD	93 393	24,630	
NORTHWESTERN UNIVERSITY	60037274 UCLA	93 393	136,155	
NORTHWESTERN UNIVERSITY	SUB 60037274 UCSD (CA186878)	93 393	120,656	
OREGON HEALTH & SCIENCE UNIVERSITY	GPRC00884BUCD	93 393	34,314	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	56663-11825-UCSF-01	93 393	143,920	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	Sub 58196-12674-UCSD (CA177322	93 393	18,335	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	000501506-004 BRACCI	93 393	(7)	
UNIVERSITY OF ARIZONA	Sub 27590 (CA153086)	93 393	42,118	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	FY15598001	93 393	10,542	
UNIVERSITY OF HAWAII AT MANOA	KA0084	93 393	203,819	
UNIVERSITY OF HOUSTON	R-15-0034	93 393	15,696	
UNIVERSITY OF ILLINOIS	Sub none (CA154254)	93 393	40,196	
UNIVERSITY OF ILLINOIS AT CHICAGO	Sub 2010-03794-15-00 (CA154254	93 393	17,170	
UNIVERSITY OF IOWA	W000802688	93 393	1,244	
UNIVERSITY OF MIAMI	F/UNIV OF MI 66971E DASH J54/54.5 C	93 393	2	
UNIVERSITY OF MINNESOTA	P003871501	93 393	11,120	

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UNIVERSITY OF ROCHESTER	415597G	93 393	210,802	
UNIVERSITY OF ROCHESTER	416055G	93 393	206,728	
UNIVERSITY OF SOUTHERN CALIFORNIA	42997318:1	93 393	17,976	
UNIVERSITY OF SOUTHERN CALIFORNIA	58690317	93 393	47,617	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	00002076	93 393	28,528	
UNIVERSITY OF TEXAS-M.D. ANDERSON CANCER CENTER	00003027	93 393	20,067	
UNIVERSITY OF TEXAS-M.D. ANDERSON CANCER CENTER	00003065	93 393	90,486	
UNIVERSITY OF TEXAS-M.D. ANDERSON CANCER CENTER	Sub 00001664 (CA177914)	93 393	104,948	
UNIVERSITY OF TEXAS-M.D. ANDERSON CANCER CENTER	Sub 00003030 (CA186566)	93 393	7,020	
UNIVERSITY OF TEXAS-SAN ANTONIO	156632	93 393	39,165	
UNIVERSITY OF UTAH	10035205	93 393	82,104	
UNIVERSITY OF WASHINGTON	UWC8242	93 393	180,749	
WAKE FOREST UNIVERSITY	WFUHS 114040	93 393	42,011	
WAKE FOREST UNIVERSITY HEALTH SCIENCES	114040	93 393	31,212	
YALE UNIVERSITY	A07956(M11A10846)	93 393	34,573	
YESHIVA UNIVERSITY	9-526-4875-MCCUNE SMITH-MCCUNE	93 393	(2,972)	
YESHIVA UNIVERSITY	OSR #05040746	93 393	(5,096)	
AMERICAN COLLEGE OF RADIOLOGY	1431 / 1352	93 394	(5,126)	
AMERICAN COLLEGE OF RADIOLOGY	20112027	93 394	4,550	
AMERICAN COLLEGE OF RADIOLOGY	NIH-ACRIN/MATTREY 26% 12/12	93 394	34,571	
AMERICAN COLLEGE OF RADIOLOGY	NIH/ACRIN 6698 WALLACE	93 394	8,546	
AMERICAN COLLEGE OF RADIOLOGY (ARRA)	ACR-51858-cyc3	93 394	1,612	
BAYLOR COLLEGE OF MEDICINE	102054093	93 394	914	
BOSTON UNIVERSITY	4500001661:2	93 394	56,717	
CANCER TARGETED TECHNOLOGY	R44CA192451	93 394	29,428	
DANA-FARBER CANCER INSTITUTE	Sub 1217703 (CA176058)	93 394	11,433	
DREXEL UNIVERSITY	Sub 232545 (CA168856)	93 394	82,904	
DUKE UNIVERSITY	14-NIH-1105	93 394	208,019	
DUKE UNIVERSITY	Validation of Prognostic and P	93 394	14,616	
GROUP HEALTH COOPERATIVE	2011120783	93 394	30,875	
JOHNS HOPKINS UNIVERSITY	20141565	93 394	25,306	
KAISER PERMANENTE DIVISION OF RESEARCH	20143488	93 394	66,968	
MEMORIAL SLOAN-KETTERING CANCER CENTER	BD516943	93 394	161,921	
MEMORIAL SLOAN-KETTERING CANCER CENTER	UCSF#A121300	93 394	46,624	
NRG ONCOLOGY	NRG BSB - UCSF Yr 1	93 394	698,097	
OCT MEDICAL IMAGING, INC	OCT-201177-cyc1	93 394	187,599	
SPECTRAL MOLECULAR IMAGING, INC.	SMI-103747-cyc3	93 394	79,114	
STANFORD UNIVERSITY	29200920-50890-B	93 394	157,357	
STANFORD UNIVERSITY	22034000-30572-B DIEDERICH	93 394	(114)	
THOMAS JEFFERSON UNIVERSITY	Sub 080-30000-R99001 (CA140339)	93 394	(430)	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	2-5-27545	93 394	10,818	
UNIVERSITY OF MICHIGAN	3003732467	93 394	104,439	
UNIVERSITY OF PITTSBURGH	0032557 (122424-1)	93 394	(6,112)	
UNIVERSITY OF SOUTHERN CALIFORNIA	USC-H39719-JERRETT-FNL	93 394	(10,495)	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	156541-cyc1	93 394	555	

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UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	156635	93 394	(6,203)	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	157254	93 394	35,669	
UNIVERSITY OF TEXAS-M.D. ANDERSON CANCER CENTER	00003874	93 394	7,629	
UNIVERSITY OF TEXAS-SAN ANTONIO	158345	93 394	(29,083)	
WEINBERG MEDICAL PHYSICS LLC	WMP-54529-cyc2	93 394	89,727	
ABREOS BIOSCIENCES	Sub 20151685 (CA192697)	93 395	51,078	
AMERICAN COLLEGE OF RADIOLOGY	F/ACR 7896 KUO CT B26.0 12/14	93 395	30,463	
AMERICAN COLLEGE OF RADIOLOGY	NCI-ACR/MELL/26%/12/09	93 395	20,965	
BCN BIOSCIENCES	20151901	93 395	19,973	
BRENTWOOD BIOMEDICAL RESEARCH INSTITUTE	20132299	93 395	15,746	
BRIGHAM AND WOMEN'S HOSPITAL	UCSF #A120606	93 395	3,830	
CALIFORNIA INSTITUTE OF TECHNOLOGY	21B-1088934:06	93 395	17,784	
CALIFORNIA INSTITUTE OF TECHNOLOGY	68-1093781:02	93 395	136,491	
CELLSIGHT TECHNOLOGIES	A121974	93 395	30,152	
CHEMOFILTER, INC	UCSF#A124229	93 395	15,419	
CHILDREN'S HOSPITAL CORP. (THE), BOSTON, MASS.	SUB RSTFD0000659211 (CA109467)	93 395	68,373	
CHILDREN'S HOSPITAL OF LOS ANGELES	2004-05	93 395	15,671	
CHILDREN'S HOSPITAL OF LOS ANGELES	8018-RGF008024-00:2	93 395	26,893	
CHILDREN'S HOSPITAL OF LOS ANGELES	CHLA#479 WEISS	93 395	(19,077)	
CHILDREN'S HOSPITAL OF LOS ANGELES	8018-RGF006458 MATTHAY	93 395	(1,237)	
CHILDREN'S HOSPITAL OF PHILADELPHIA	1U10CA180886-01	93 395	22,640	
CHILDREN'S HOSPITAL OF PHILADELPHIA	1UG1CA189955-01	93 395	12,644	
CHILDREN'S HOSPITAL OF PHILADELPHIA	201503563	93 395	10,442	
CHILDREN'S HOSPITAL OF PHILADELPHIA	20150682	93 395	6,244	
CHILDREN'S HOSPITAL OF PHILADELPHIA	65_SUB37_01(HHSN261200800001E)	93 395	8,605	
CHILDREN'S HOSPITAL OF PHILADELPHIA	NIH/CHOP FP00013744_SUB119_01 ROBER	93 395	39,358	
CHILDREN'S HOSPITAL OF PHILADELPHIA	NIH/CHOP FP111375_A1_SUB05_01 ROBER	93 395	2,499	
CHILDREN'S HOSPITAL OF PHILADELPHIA	NIH/CHOP 9500080215-13C ROBERTS	93 395	23,778	
CHILDREN'S HOSPITAL OF PHILADELPHIA	NIH/CHOP 9500080215-13C ROBERTS	93 395	(101,852)	
CHILDREN'S HOSPITAL OF PHILADELPHIA	9500080216	93 395	15,739	
CHILDREN'S HOSPITAL OF PHILADELPHIA	9500100715	93 395	785	
CHILDREN'S HOSPITAL OF PHILADELPHIA	961551-RSUB	93 395	22,755	
CHILDREN'S HOSPITAL OF PHILADELPHIA	960497 DVORAK	93 395	(1,539)	
CHILDREN'S HOSPITAL OF PHILADELPHIA	FP00015221_SUB417_01	93 395	3,062	
CHILDREN'S HOSPITAL OF PHILADELPHIA	PRM:UM1CA097452	93 395	33,464	
CHILDREN'S HOSPITAL OF PHILADELPHIA	Sub F13864_SUB21_01 (HHSN26120)	93 395	5,678	
CHILDREN'S HOSPITAL OF PHILADELPHIA	Sub FP125221 (CA180886)	93 395	42,066	
CHILDREN'S HOSPITAL OF PHILADELPHIA	Sub FP13560 (CA097452)	93 395	2,041	
CHILDREN'S HOSPITAL OF PHILADELPHIA	SUB UG1CA189955	93 395	10,339	
CHILDREN'S HOSPITAL OF PHILADELPHIA	U10CA180886	93 395	81,374	
CHILDREN'S HOSPITAL OF PHILADELPHIA	UCSF#A121763	93 395	29,602	
CHILDREN'S HOSPITAL OF PHILADELPHIA	UCSF#A122000	93 395	3,806	
CHILDREN'S HOSPITAL OF PHILADELPHIA	UCSF#A122092	93 395	11,654	
CHILDREN'S HOSPITAL OF PHILADELPHIA	UCSF#A124393	93 395	52,670	
CHILDREN'S HOSPITAL OF PHILADELPHIA	UCSF#A124960	93 395	31,282	

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CITY OF HOPE	51183.2000123.669399	93 395	127,834	
COLUMBIA UNIVERSITY	COLUMBIA UNIVERSITY PIERCE	93 395	248	
COLUMBIA UNIVERSITY	Sub GG010355 (CA167174)	93 395	115,563	
CURESEARCH FOR CHILDREN'S CANCER	NIH-NCCF/ROBERTS/26%	93 395	(4,118)	
CURTANA PHARMACEUTICALS, INC	Sub 20143803 (NIH)	93 395	72,438	
DANA-FARBER CANCER INSTITUTE	4021401	93 395	813	
ECOG-ACRIN MEDICAL RESEARCH FOUNDATION INC.	U10CA180820-01-UCSF1	93 395	44,994	
ECOG-ACRIN MEDICAL RESEARCH FOUNDATION INC.	U10CA180820-01-UCLA1	93 395	9,763	
EMMES CORPORATION, THE	15-0007	93 395	(174)	
EMMES CORPORATION, THE	1568GNA643-CLASS CS	93 395	8,071	
EMMES CORPORATION, THE	PO1568GNA643	93 395	379,419	
EMMES CORPORATION, THE	SUB P01568GNA643 (CA121947)	93 395	65,113	
EPIC SCIENCES, INC	NIH/EPIC SCIENCES BAZHENOVA	93 395	(1,671)	
FRED HUTCHINSON CANCER RESEARCH CENTER	0000819431	93 395	4,532	
GYNECOLOGIC ONCOLOGY GROUP	27469-46-CYC31	93 395	138,041	500
GYNECOLOGIC ONCOLOGY GROUP	NPCS-GYN GRP 27469022 EISNER 3/16	93 395	34,716	
GYNECOLOGIC ONCOLOGY GROUP	27469-130 CHAN	93 395	(19,749)	
GYNECOLOGIC ONCOLOGY GROUP	GOG-101462-cyc3	93 395	30,938	
HENRY FORD HEALTH SYSTEM	NIH-HFHS/GERWICK 55% 04/15	93 395	(212)	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	Sub 02556-0601-4609 (CA193523)	93 395	11,904	
INDIANA UNIVERSITY	992796	93 395	4,890	
JOHN WAYNE INSTITUTE FOR CANCER TREATMENT AND RESEARCH	20104272	93 395	278,128	
JOHN WAYNE INSTITUTE FOR CANCER TREATMENT AND RESEARCH	FARIES-15-01	93 395	124,770	
JOHNS HOPKINS UNIVERSITY	2002439000:1	93 395	37,714	
JOHNS HOPKINS UNIVERSITY	20154842	93 395	16,260	
JOHNS HOPKINS UNIVERSITY	JHU/NIH CLOUGHESY 20110582 12/13 54	93 395	31,132	
JOHNS HOPKINS UNIVERSITY	JHU/NIH ABTC1002 CLOUGHESY 12/13 54	93 395	14,151	
JOHNS HOPKINS UNIVERSITY	JHU/NIH 20102757 CLOUGHESY 12/13	93 395	19,776	
JOHNS HOPKINS UNIVERSITY	ABTC0902(NCCTGN0874) CHANG	93 395	(1,755)	
JOHNS HOPKINS UNIVERSITY	ABTC 1202	93 395	770	
JOHNS HOPKINS UNIVERSITY	ABTC 1301	93 395	27,204	
JOHNS HOPKINS UNIVERSITY	PO #2002555461	93 395	1,856	
LEIDOS BIOMEDICAL RESEARCH, INC.	LEIDOS BIOMED RES/NIH 14X069 LIPPM	93 395	(4,237)	
LEIDOS, INC.	Sub 13XS025 (HHSN261200800001E)	93 395	56,514	
MASSACHUSETTS GENERAL HOSPITAL	222723	93 395	124,812	
MASSACHUSETTS GENERAL HOSPITAL	226035	93 395	118,247	
MASSACHUSETTS GENERAL HOSPITAL	Sub 220879 (CA069246)	93 395	172,026	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003460	93 395	40,946	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	SUB MCC-194321 (CA189823)	93 395	49,034	
MEDICAL COLLEGE OF WISCONSIN	R01CA184798	93 395	1,490	
MEDICAL UNIVERSITY OF SOUTH CAROLINA	MUSC13-059-CYC2	93 395	74,457	
MEMORIAL SLOAN-KETTERING CANCER CENTER	224268-cyc1	93 395	3,488	
MEMORIAL SLOAN-KETTERING CANCER CENTER	BD517413B-cyc1	93 395	24,660	
MEMORIAL SLOAN-KETTERING CANCER CENTER	BD517413-cyc1	93 395	12,046	
MICHIGAN STATE UNIVERSITY	RC100173UC1-cyc7	93 395	15,466	

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MONTEFIORE MEDICAL CENTER	MMC-203153-cyc1	93 395	80,000	
NEW YORK UNIVERSITY	F7618-02	93 395	40,836	
NRG ONCOLOGY	BIQSFP YR1-UCSF	93 395	14,450	
NRG ONCOLOGY	GANZ - YR2	93 395	6,852	
NRG ONCOLOGY	GOG237 - UCI - 01-cyc1	93 395	63,737	
NRG ONCOLOGY	NRG Oncology	93 395	135,102	
NRG ONCOLOGY	NRG-201385-cyc1	93 395	307	
NRG ONCOLOGY	UOFC.IRVINE - YR. 1-cyc2	93 395	29,725	
NSABP FOUNDATION, INC.	F/NSABP FND TFED38-710 MEHTA CTJ26.	93 395	10,841	
NSABP FOUNDATION, INC.	F/NSABP FND TFED41S271MEHTA CT B26.	93 395	5,444	
NSABP FOUNDATION, INC.	TFED41-137	93 395	2,082	
OREGON HEALTH & SCIENCE UNIVERSITY	1005019_UCIRVINE-cyc1	93 395	85,813	
OREGON HEALTH & SCIENCE UNIVERSITY	OREGON HEALTH & SCI-9009627_UCDAVIS	93 395	84,900	
OREGON HEALTH & SCIENCE UNIVERSITY	OREGON HEALTH & SCI-9009627_UCDAVIS	93 395	12,830	
OREGON HEALTH & SCIENCE UNIVERSITY	OREGON HEALTH SCIENCES UNIVER	93 395	1,504	
OREGON HEALTH & SCIENCE UNIVERSITY	9009627_UCLA:1	93 395	39,748	
OREGON HEALTH & SCIENCE UNIVERSITY	SWOG-201304-cyc1	93 395	4,162	
PPD INC.	NIH/PPD HHSN261201100105C KNIGHT	93 395	40,777	
PPD INC.	HHSN261201100105C (N02CP-2011-	93 395	592,118	
SAINT LOUIS UNIVERSITY	Sub 33245 (CA169519)	93 395	78,680	
SIGNALRX PHARMACEUTICALS, INC	Sub 20143837 (CA192656)	93 395	62,263	
ST. JUDE CHILDREN'S RESEARCH HOSPITAL	110068130-7417101 PRADOS	93 395	385	
ST. JUDE CHILDREN'S RESEARCH HOSPITAL	UM1CA081457	93 395	3,693	
STANFORD UNIVERSITY	60958489-117119	93 395	32,673	
SWOG	012258	93 395	1,008	
SWOG	1004031UCDS0819Mack	93 395	47,544	
SWOG	20154355	93 395	6,266	
SWOG	20161228	93 395	1,334	
SWOG	CTSU/E1609	93 395	35,081	
SWOG	SWOG-41803-CYC3	93 395	248,163	
TELESECURITY SCIENCES, INC.	201402861	93 395	45,510	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000508437-005	93 395	3,852	
TRACE-ABILITY, INC	1R43CA192499-01	93 395	24,573	
UNIVERSITY OF ARIZONA	316616	93 395	4,378	
UNIVERSITY OF PITTSBURGH	UNIVPITT/NIH 0020237 ECONOMOU 06/10	93 395	(820)	
UNIVERSITY OF PITTSBURGH	5R01CA178766-03	93 395	5,067	
UNIVERSITY OF PITTSBURGH	9004499(120961-1)	93 395	47,877	
UNIVERSITY OF PITTSBURGH	9010905(125165-1)	93 395	5,290	
UNIVERSITY OF TEXAS-SOUTHWESTERN MEDICAL CENTER AT DALLAS	151012	93 395	6,825	
YESHIVA UNIVERSITY	310635	93 395	92,780	
ZONEONE PHARMA, INC.	1R41CA192689-01	93 395	140,151	
NRG ONCOLOGY	UCAI-YR.1-cyc2	93 395	7,975	
UNIVERSITY OF MICHIGAN	3002128521	93 395	55,685	
ACOUSTIC MEDSYSTEMS, INC.	2R44CA121740-02	93 396	216,646	
BAYLOR RESEARCH INSTITUTE	41010301401-cyc1	93 396	272,107	

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
CALIFORNIA INSTITUTE OF TECHNOLOGY	Sub 19GM-1093586 (CA164803)	93 396	104,834	
CASE WESTERN RESERVE UNIVERSITY	SUB RES509813 (CA198941)	93 396	105,731	
CEDARS-SINAI MEDICAL CENTER	P.O. 0001130159	93 396	213,423	
CEDARS-SINAI MEDICAL CENTER	P.O. 00011396626	93 396	2,871	
CHILDREN'S HOSPITAL OF PHILADELPHIA	NIH/CHOP FP13013_SUB263_01 YU	93 396	1,099	
ECOG-ACRIN MEDICAL RESEARCH FOUNDATION INC.	6698	93 396	(34,678)	
JOHNS HOPKINS UNIVERSITY	SUB 2002785140 (CA177669)	93 396	5,993	
LEIDOS BIOMEDICAL RESEARCH, INC.	14X062	93 396	(1,458)	
LEIDOS BIOMEDICAL RESEARCH, INC.	16X002	93 396	174,974	
LEIDOS BIOMEDICAL RESEARCH, INC.	29XS133	93 396	107,991	
LEIDOS BIOMEDICAL RESEARCH, INC.	29XS133TO08	93 396	309,877	
LEIDOS BIOMEDICAL RESEARCH, INC.	29XS133TO13	93 396	228,382	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	SUB 5710004012 (CA184898)	93 396	83,860	
MEDICAL UNIVERSITY OF SOUTH CAROLINA	MUSC14-046	93 396	10,602	
ST. JUDE CHILDREN'S RESEARCH HOSPITAL	111913019-7593083	93 396	12,176	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	FY14.701.001	93 396	117,662	
UNIVERSITY OF ILLINOIS	2014-03427-01	93 396	29,463	
UNIVERSITY OF PENNSYLVANIA	1P01CA165997-01A1	93 396	46,292	
UNIVERSITY OF SOUTHERN CALIFORNIA	45390795-CYC2	93 396	1,319	
UNIVERSITY OF SOUTHERN CALIFORNIA	65232523	93 396	63,767	
UNIVERSITY OF SOUTHERN CALIFORNIA	65279540-cyc1	93 396	45,361	
UNIVERSITY OF SOUTHERN CALIFORNIA	65318381	93 396	75,555	
UNIVERSITY OF SOUTHERN CALIFORNIA	UNIVERSITY OF SOUTHERN CALIFO (78700)	93 396	(6,029)	
UNIVERSITY OF TEXAS-M.D. ANDERSON CANCER CENTER	00000786	93 396	18,027	
UNIVERSITY OF TEXAS-M.D. ANDERSON CANCER CENTER	00003639	93 396	79,609	
UNIVERSITY OF TEXAS-M.D. ANDERSON CANCER CENTER	UNI OF TEXAS SUB 12094225 (CA097007	93 396	(10,760)	
UNIVERSITY OF TEXAS-M.D. ANDERSON CANCER CENTER	Sub 00001959 (CA182905)	93 396	106,645	
UNIVERSITY OF TEXAS-M.D. ANDERSON CANCER CENTER	SUB 00003638 (CA196403)	93 396	80,430	
VANDERBILT UNIVERSITY	VUMC38098	93 396	100,474	
WASHINGTON UNIVERSITY IN ST. LOUIS	WASHINGTON UNIVERSITY, (ST. LOUIS) (88002)	93 396	123	
WISTAR INSTITUTE, THE	24622-04-314	93 396	352,961	
CALIFORNIA INSTITUTE OF TECHNOLOGY	68-1090126:04	93 397	22,444	
CALIFORNIA INSTITUTE OF TECHNOLOGY	CA INST TECH RAS PHELPS RAS 07/16 5	93 397	746,217	
CHARLES R. DREW UNIVERSITY OF MEDICINE AND SCIENCE	P20 MD000182-14	93 397	488,768	
INDIANA UNIVERSITY	IIN4689833UCSF	93 397	109,305	
INDIANA UNIVERSITY	IN4689835UCSF	93 397	22,822	
INDIANA UNIVERSITY	IN4689836UCSF	93 397	189,385	
KAISER PERMANENTE DIVISION OF RESEARCH	3US.tCA 163262-0-tSI	93 397	13,693	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	1U54CA153605-01	93 397	1,216	
MEMORIAL SLOAN-KETTERING CANCER CENTER	BD511891	93 397	4,757	
NORTHWESTERN UNIVERSITY	60027389 UC	93 397	17,663	
NORTHWESTERN UNIVERSITY	60040958UCSF	93 397	34,088	
OREGON HEALTH & SCIENCE UNIVERSITY	9008718_UCB	93 397	85	
OREGON HEALTH & SCIENCE UNIVERSITY	9008723	93 397	169,160	
PRINCETON UNIVERSITY	00001805	93 397	7,576	

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PRINCETON UNIVERSITY	00001806	93 397	(18)	
PRINCETON UNIVERSITY	00001808	93 397	(29)	
PRINCETON UNIVERSITY	00001804 TLSTY	93 397	(94)	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	8024	93 397	760	
STANFORD UNIVERSITY	60469416-112063-G	93 397	29,587	
STANFORD UNIVERSITY	STANFORD/NIH 26723560 WORK 7/14 54%	93 397	(12,429)	
STANFORD UNIVERSITY	7U54CA143836-05	93 397	33,932	
STANFORD UNIVERSITY	SU-60467757-112063ASETHIAN7/14	93 397	231	
STANFORD UNIVERSITY	SU-60467763-112063ESETHIAN5/14	93 397	208	
UNIVERSITY OF MARYLAND	SR00004046	93 397	28,233	
UNIVERSITY OF PITTSBURGH	0046110(126709-1)	93 397	56,269	
UNIVERSITY OF PITTSBURGH	9012056(126714-1)	93 397	135,973	
UNIVERSITY OF SOUTHERN CALIFORNIA	44735953:1	93 397	27,163	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	131932/131929	93 397	44,715	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	Sub 155647/155095 (CA153511)	93 397	1,520	
YESHIVA UNIVERSITY	31082B	93 397	97,184	
CHILDREN'S HOSPITAL OF PHILADELPHIA	NIH/CHOP FP00015898-SUB157_01 ROBER	93 398	1,414	
NRG ONCOLOGY	Sub 908798 (NCI)	93 398	21,219	
PURDUE UNIVERSITY	1R25CA174665-01A1	93 398	8,959	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	131534/131477	93 398	1,778	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	158716/158715	93 398	16,138	
VANDERBILT UNIVERSITY	NIH/VUMC 38642 SANDER	93 398	1,939	
BRIGHAM AND WOMEN'S HOSPITAL	CALGB/CA136	93 399	(3,113)	
CHILDREN'S HOSPITAL OF PHILADELPHIA	9500020513-CCOP PCR	93 399	(436)	
NSABP FOUNDATION, INC.	F/NSABP PFED26-UCI-01 HLCMB CTJ26.0	93 399	2,400	
NSABP FOUNDATION, INC.	UCLA-YR28EXT:2	93 399	60,844	
UNIVERSITY OF MICHIGAN	F/UN MI SWOG F021095 MEYSKENS J52.5	93 399	1,002	
ASSOCIATION OF ASIAN PACIFIC COMMUNITY HEALTH ORGANIZATIONS	AAPCHO/DHHS 20121107 PONCE 8/13 26%	93 420	21	
REHABILITATION INSTITUTE OF CHICAGO	81758-cyc3	93 433	35,403	
UNIVERSITY OF MINNESOTA	A005198604	93 433	13,155	
RIVERSIDE-SAN BERNARDINO COUNTY INDIAN HEALTH, INC	20132665	93 508	76,123	
CALIFORNIA DEPARTMENT OF INSURANCE	13038IA	93 511	1,548,034	691,805
UNIVERSITY OF ARIZONA	226256	93 516	124,916	92,192
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	0190.0104	93 521	50,995	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	0190.0203/2470.003.901	93 521	83,064	
CALIFORNIA HEALTH BENEFIT EXCHANGE	13-E9001:A1	93 525	1,153,556	428,500
CALIFORNIA HEALTH BENEFIT EXCHANGE	CAHBE 13-E9001 KOMINSKI 6/14 26%	93 525	(8,431)	
CALIFORNIA HEALTH BENEFIT EXCHANGE	CHBE-12E9132-CASTANEDA-12/14	93 525	(162)	
UNIVERSITY OF ROCHESTER	416576	93 533	5,207	
JOHNS HOPKINS UNIVERSITY	2002479511	93 542	104,543	
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	CDSS-112021-NEEDEL-6/14	93 558	7	
CALIFORNIA STATE UNIVERSITY, NORTHRIDGE	90YE0153	93 575	9,075	
CALIFORNIA CHILD DEVELOPMENT DIVISION	CN130193	93 575	40,169	
UNIVERSITY OF CINCINNATI	NIH-U CINCINNATI/HEMMEN/26%	93 583	18,979	
UNIVERSITY OF MICHIGAN	SUBK00004112-ESETT	93 583	34,157	

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SOUTH BAY COMMUNITY SERVICES	Sub 20140475 (90EV0422-01-00)	93 592	116,037	
ASSOCIATION OF AMERICAN MEDICAL COLLEGES	C1CMS331324	93 610	257,425	
ASSOCIATION OF AMERICAN MEDICAL COLLEGES	Sub GT-32013-06 (1CICMS331324-	93 610	143,884	
CHILDREN'S NATIONAL MEDICAL CENTER	20153022	93 610	789,612	
DARTMOUTH COLLEGE	1521	93 610	(862)	
FOUNDATION FOR CALIFORNIA COMMUNITY COLLEGES	TC-011-13	93 610	(738)	
SUNY UNIVERSITY AT ALBANY	14-56	93 648	52,703	5,069
SUNY UNIVERSITY AT ALBANY	15-49	93 648	73,571	
BRENTWOOD BIOMEDICAL RESEARCH INSTITUTE (ARRA)	BBRI/NIH 20152478 ESCUETA 1/15 26%	93 701	70,548	
CARE NEW ENGLAND HEALTH SYSTEMS (ARRA)	CARE NEW ENGLAND HEALTH SYSTEMS	93 701	(2,764)	
DUKE UNIVERSITY (ARRA)	ARRA DUKE UNIV 161411 KRISHNAM J53.	93 701	(6,375)	
EMMES CORPORATION, THE (ARRA)	20154935	93 701	24,401	
THE SCRIPPS RESEARCH INSTITUTE (ARRA)	NIH-TSRI/SAH/54.5%07/11	93 701	(19,410)	
TULANE UNIVERSITY (ARRA)	TULANE UNIVERSITY (INCL MEDICAL CEN	93 701	(254)	
UNIVERSITY OF GEORGIA (ARRA)	NIH/GA HEALTH SUB 237895-5 CALCUTT	93 701	(157)	
UNIVERSITY OF IOWA (ARRA)	NIH-U IOWA/KUO 54.5% 02/11	93 701	188	
UNIVERSITY OF MICHIGAN (ARRA)	3002565073:5	93 701	9,059	7,190
UNIVERSITY OF MICHIGAN (ARRA)	UMICH/NIH 3001689705 BELPERIO 08/12	93 701	(8,340)	
UNIVERSITY OF MICHIGAN (ARRA)	9166sc	93 701	24	
UNIVERSITY OF WASHINGTON (ARRA)	NIH FFT- UOW-GALASKO	93 701	1	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO (ARRA)	VPA Terkeltaub (AG007996)	93 701	43,806	
ACADEMYHEALTH	AHRQ/ACADEMYHEALTH SUB HS19564 JIAN	93 715	(15,000)	
AMERICAN COLLEGE OF RADIOLOGY	ACRIN 4701	93 715	42,884	
OUTCOME SCIENCES, INC.	OUTCOME/DHHS DECIDE62EH CAPRIOLI 4/	93 715	(352)	
OUTCOME SCIENCES, INC.	OUTCOME/DHHS DECIDEID62 COLEMAN 7/1	93 715	(697)	
ACADEMIC PEDIATRIC ASSOCIATION	20152248	93 733	37,723	
MERCED COUNTY DEPARTMENT OF PUBLIC HEALTH	2015074	93 737	152,255	8,000
NEW YORK MEDICAL COLLEGE	L-10215	93 737	(668)	
COMMUNITY HEALTH COUNCILS, INC.	20145339	93 743	51,422	19,146
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1410730	93 757	141,909	
CALIFORNIA DEPARTMENT OF AGING	CDHW; MS-0809-12	93 778	46,570	
CALIFORNIA DEPARTMENT OF HEALTH CARE SERVICES	CA DHS 05-45334 MOORE	93 778	(650)	
BATTELLE MEMORIAL INSTITUTE	236817	93 800	7,656	
HARVARD PILGRIM HEALTH CARE	HPHC-202120-cyc1	93 823	419,598	
BRIGHAM AND WOMEN'S HOSPITAL	Sub None (HL101422)	93 827	19,482	
BAYLOR COLLEGE OF MEDICINE	2R01HL098B39-05A1	93 837	29,025	
BETH ISRAEL DEACONESS MEDICAL CENTER	Sub None (HL 108724)	93 837	1,832	
BIOPICO SYSTEMS	BPS-54576-CYC3	93 837	23,307	
BRIGHAM AND WOMEN'S HOSPITAL	BAWH/NIH 105963 WATSON 4/15 26%	93 837	407	
BRIGHAM AND WOMEN'S HOSPITAL	BWH-101848-CYC1	93 837	6,109	
BRIGHAM AND WOMEN'S HOSPITAL	SUB 112044 (HL128135)	93 837	99,235	
BRIGHAM AND WOMEN'S HOSPITAL	SUB 225707 (HL123336)	93 837	11,686	
BRIGHAM AND WOMEN'S HOSPITAL	SUB PS#107223 (HL101422)	93 837	2,223	
BRIGHAM AND WOMEN'S HOSPITAL	UCSF#A124108	93 837	10,601	
BRIGHAM AND WOMEN'S HOSPITAL	UCSF#A124946	93 837	5,828	

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CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	B SA0000320-321-322 (HL085577)	93 837	375,504	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	SUB SA0000320 (HL085577)	93 837	502,317	
CASE WESTERN RESERVE UNIVERSITY	RES510228	93 837	130,086	
CEDARS-SINAI MEDICAL CENTER	0000927441:002	93 837	28,196	
CEDARS-SINAI MEDICAL CENTER	0001150918:003	93 837	144,213	
CEDARS-SINAI MEDICAL CENTER	R01HL117983	93 837	5	
CLEVELAND CLINIC FOUNDATION	CLEVELAND CLINIC FOUNDATION-P20HL11	93 837	47,751	
CLEVELAND CLINIC FOUNDATION	CLEVELAND CLINIC FOUNDATION-P20HL11	93 837	209,211	
COLUMBIA UNIVERSITY	1 (GG011504)-cyc1	93 837	82,618	
COLUMBIA UNIVERSITY	SUB 1 (GG007512) (HL112388)	93 837	390,332	
COLUMBIA UNIVERSITY	Sub GG10320 (HL123061)	93 837	271,647	
COLUMBIA UNIVERSITY	UCSF#A119116	93 837	(7,698)	
CORNELL UNIVERSITY	R24HL120847	93 837	36,809	
DETON CORPORATION	Sub 20154348 (HL128120)	93 837	6,807	
DUKE UNIVERSITY	077	93 837	14,488	
DUKE UNIVERSITY	SUB NONE (HL105448)	93 837	9,396	
FRED HUTCHINSON CANCER RESEARCH CENTER	Sub 0000798072 (HL105065)	93 837	20,872	
FRED HUTCHINSON CANCER RESEARCH CENTER	SUB 0000824605 (HL122273)	93 837	48,353	
FRED HUTCHINSON CANCER RESEARCH CENTER	Sub 0000857429 (HL122273)	93 837	253,079	
GLADSTONE INSTITUTES	R2316-A	93 837	348,750	
HARVARD UNIVERSITY	HARVARD/NIH 123641 WANG 04/12 54%	93 837	(1,066)	
HARVARD UNIVERSITY	HARVARD/NIH 123641 WANG 4/14 54%	93 837	(5)	
HUMACYTE, INC	UCSF#A123087	93 837	31,482	
JOHNS HOPKINS UNIVERSITY	2002681722	93 837	70,670	
KAISER PERMANENTE DIVISION OF RESEARCH	115-9306-01-cyc6	93 837	438,222	
LA JOLLA INSTITUTE FOR ALLERGY AND IMMUNOLOGY	Sub 22593-44-393 (HL055798)	93 837	441,189	
LOS ANGELES BIOMEDICAL RESEARCH INSTITUTE AT HARBOR-UCLA MEDICAL CTR	30147-01	93 837	17,769	
MASSACHUSETTS GENERAL HOSPITAL	20152224	93 837	6,471	
MASSACHUSETTS GENERAL HOSPITAL	20152908:1	93 837	29,970	
MASSACHUSETTS GENERAL HOSPITAL	218179	93 837	361,258	
MASSACHUSETTS GENERAL HOSPITAL	224883	93 837	11,164	
MASSACHUSETTS GENERAL HOSPITAL	MGH#224883	93 837	4,334	
MASSACHUSETTS GENERAL HOSPITAL	U01HL23336	93 837	14,553	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	64218059	93 837	6,096	
MEDICAL COLLEGE OF WISCONSIN	UCSF#A126325	93 837	24,083	
MERCATOR MEDSYSTEMS, INC	2R44HL102998-02-01	93 837	13,478	
MIRIAM HOSPITAL, THE	MIRIAM HOSPITAL, THE	93 837	(272)	
MIRIAM HOSPITAL, THE	Sub 710-9868 (HL109116)	93 837	29,853	
MORGRIDGE INSTITUTE FOR RESEARCH	MIR (PHS) D12-J0053 SOH 04/15	93 837	550	
NATIONAL BUREAU OF ECONOMIC RESEARCH, INC	33-4144-UCSF	93 837	87,220	
NATIONAL JEWISH HEALTH	20103401	93 837	124,206	
NATIONAL JEWISH HEALTH	60147/2020100601	93 837	86,317	
NEW ENGLAND RESEARCH INSTITUTE, INC.	201500084	93 837	2,170	
NEW ENGLAND RESEARCH INSTITUTE, INC.	Sub B2B (HL098188)	93 837	95,806	
NEW ENGLAND RESEARCH INSTITUTE, INC.	Sub None (HL107407)	93 837	6,761	

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NEW ENGLAND RESEARCH INSTITUTE, INC.	Sub none (HL68270)	93 837	37,837	
NEW YORK UNIVERSITY	20131088	93 837	2,495	
NEW YORK UNIVERSITY	NYU-103915-CYC1	93 837	45,639	
NEW YORK UNIVERSITY	UCSF#A126863	93 837	4,069	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	1774:2	93 837	32,525	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	PUL1939	93 837	36,678	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	RAT1855-01	93 837	19,901	
NORTHWESTERN UNIVERSITY	60036200UCSF	93 837	298,634	
NORTHWESTERN UNIVERSITY	SP0028071-PROJ0007326	93 837	119,091	
OCT MEDICAL IMAGING, INC	OCTMI-204394-cyc1	93 837	1,260	
OHIO STATE UNIVERSITY	60028980	93 837	16,253	
OHIO STATE UNIVERSITY	60041988:2	93 837	55,395	
OHIO STATE UNIVERSITY	SUB 60040456 (HL123015)	93 837	135,603	
OREGON HEALTH & SCIENCE UNIVERSITY	1002459_UCLA:01	93 837	18,716	
OREGON HEALTH & SCIENCE UNIVERSITY	1002459UCDHS	93 837	36,046	
OREGON HEALTH & SCIENCE UNIVERSITY	1002919-UCLA:3	93 837	15,426	
OREGON HEALTH & SCIENCE UNIVERSITY	1005364UCDavis	93 837	82,244	
OREGON HEALTH & SCIENCE UNIVERSITY	OHSU/NIH GPEDC0036A SHIVKUMAR 8/10	93 837	(209)	
OREGON HEALTH & SCIENCE UNIVERSITY	GPEDC0036A SAHN:6	93 837	5,851	
OREGON HEALTH & SCIENCE UNIVERSITY	SUB 1005338 UCSD (HL078610)	93 837	74,189	
PENNSYLVANIA STATE UNIVERSITY	5 U10 HL098115-06	93 837	1,445	
PENNSYLVANIA STATE UNIVERSITY	UCAHL098115#5	93 837	380,191	249,283
PENNSYLVANIA STATE UNIVERSITY	UCAHL098115_TO6	93 837	61,865	39,217
PENNSYLVANIA STATE UNIVERSITY	UCAHL098115_TO7	93 837	19,490	
PENNSYLVANIA STATE UNIVERSITY	UCASF HL098115	93 837	67,858	
PENNSYLVANIA STATE UNIVERSITY	UCSF#A116687	93 837	(64,893)	
PENNSYLVANIA STATE UNIVERSITY	UCSF#A120869	93 837	19,418	
QT MEDICAL, INC.	QT001-CYC1	93 837	20,613	
RETHINK MEDICAL, INC	R34HL125001	93 837	2,484	
RHODE ISLAND HOSPITAL	701-5552:2	93 837	215,539	
SEATTLE CHILDREN'S HOSPITAL, RESEARCH AND FOUNDATION	Sub 10942SUB (HL113810)	93 837	(37)	
SELFA, INC	SELFA/NIH 20141653 CHUI 01/15 54%	93 837	(928)	
STANFORD UNIVERSITY	60436086-107606:1	93 837	37,663	
STANFORD UNIVERSITY	60436089107606C	93 837	114,835	
STANFORD UNIVERSITY	60594679-107635	93 837	53,493	
STANFORD UNIVERSITY	R01HL128170	93 837	125,599	
STANFORD UNIVERSITY	Sub 60988003-118781 (HL083359)	93 837	62,112	
STANFORD UNIVERSITY	Sub 61153993-121531 (HL123689)	93 837	112,102	
TARGESON, INC	TARGESON SUB20142138HL110496DEMARIA	93 837	(120,659)	
TARGESON, INC	Sub 20150555 (HL110496)	93 837	259,647	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	UCSF#A120725-MASTER	93 837	14,486	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000503570-007	93 837	42,093	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000506834-001	93 837	17,647	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	UCSF#A126440	93 837	47,606	
TOURO COLLEGE	00008SC	93 837	31,038	

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TOURO COLLEGE	UCSF#A121796	93 837	169,914	
UNIVERSITY OF CHICAGO	Sub FP053587 (HL119967)	93 837	39,001	
UNIVERSITY OF IOWA	SUB W000748110 (HL116259)	93 837	39,023	
UNIVERSITY OF IOWA	W000716361	93 837	221,928	
UNIVERSITY OF MIAMI	665288	93 837	43,609	
UNIVERSITY OF MICHIGAN	3001599217:6	93 837	1,233	
UNIVERSITY OF MICHIGAN	3001793564	93 837	370	
UNIVERSITY OF MICHIGAN	3003212185-cyc1	93 837	117,312	
UNIVERSITY OF MICHIGAN	Sub 3002988796 (R01HL117860)	93 837	43,885	
UNIVERSITY OF MISSISSIPPI	66105170515-UCLA:1	93 837	29,149	
UNIVERSITY OF NORTH TEXAS	Sub GF2651-3 (HL109340)	93 837	12,772	
UNIVERSITY OF PENNSYLVANIA	558497	93 837	(28,344)	
UNIVERSITY OF PENNSYLVANIA	567197	93 837	36,497	
UNIVERSITY OF PITTSBURGH	0031059 (123325-2)	93 837	(62)	
UNIVERSITY OF PITTSBURGH	UOP 0031059(122365-1) KLEERUP 6/15	93 837	(11,007)	
UNIVERSITY OF PITTSBURGH	SUB 0037380(123141-1)(HL110955	93 837	62,812	
UNIVERSITY OF PITTSBURGH	Sub 0041597 (HL122144)	93 837	50,861	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0010612A	93 837	64,821	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0008027C	93 837	19,074	
UNIVERSITY OF VERMONT	1UM1HL120877-01	93 837	188,658	
UNIVERSITY OF WASHINGTON	749902	93 837	34,545	
UNIVERSITY OF WASHINGTON	757013	93 837	45,287	
UNIVERSITY OF WASHINGTON	SUB UWSC8735 (HL122199)	93 837	36,356	
UNIVERSITY OF WASHINGTON	UWSC7526	93 837	120,707	
UNIVERSITY OF WASHINGTON	UWSC8535	93 837	3,545	
UNIVERSITY OF WASHINGTON	UWSC9050	93 837	4,738	
UNIVERSITY OF WISCONSIN-MADISON	452K200	93 837	5,063	
VANDERBILT UNIVERSITY	VUMC38906	93 837	5,024	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	08558012-314002	93 837	20,001	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 285787 ROSS	93 837	647	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 292074 BLANCHARD	93 837	2	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	SUB 08558-309843 (HL066941)	93 837	415,658	43,645
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	SUB 08558-309844 (HL066941)	93 837	232,995	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	Sub 08558-309845 (HL066941)	93 837	286,717	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA 315351 FU (HL066941)	93 837	66,103	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA GUATELLI 315752 (AI 081668	93 837	94,769	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA HAMMOND 311687 (HL066941)	93 837	34,006	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Hammond 313103 (HL081741)	93 837	10,430	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA HAMMOND 316080 (HL 122038	93 837	34,112	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA MAISEL 311887 (HL066941)	93 837	930	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Schilling 315389 (HL066941)	93 837	41,150	
WAKE FOREST UNIVERSITY	Sub WFUHS 10385 (HL-104199)	93 837	14,663	7,246
WAKE FOREST UNIVERSITY	WFUHS 114486	93 837	5,132	
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-11-69	93 837	47,954	
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-15-188	93 837	148,333	

The accompanying notes are an integral part of this schedule.

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
YESHIVA UNIVERSITY	YESHIVA UNIVERSITY (INCL ALBERT EIN) (87411)	93 837	746	
ARADIGM CORPORATION	UCSF #A122751	93 838	6,298	
AUGUSTA UNIVERSITY	R01HL060190	93 838	(3,272)	
BAYLOR COLLEGE OF MEDICINE	101598921	93 838	143,258	
BRIGHAM AND WOMEN'S HOSPITAL	106476	93 838	(2,048)	
BRIGHAM AND WOMEN'S HOSPITAL	107578	93 838	5,488	
CHILDREN'S HOSPITAL CORP. (THE), BOSTON, MASS.	5U01HL107681-03	93 838	2,285	
CHILDREN'S HOSPITAL CORP. (THE), BOSTON, MASS.	74159	93 838	4,286	
COLUMBIA UNIVERSITY	1(GG007619-02)	93 838	878	
DUKE UNIVERSITY	2039484	93 838	352,504	
HENRY FORD HEALTH SYSTEM	1R01HL118267-01A1	93 838	282,465	
JOHNS HOPKINS UNIVERSITY	200144389	93 838	32,596	
NEOVATIVE, INC.	NV001-cyc1	93 838	46,355	
NORTHWESTERN UNIVERSITY	60035059 UC:A02	93 838	165,647	
NORTHWESTERN UNIVERSITY	SP0020933-PROJ000556:2	93 838	45,605	
PENNSYLVANIA STATE UNIVERSITY	UCASF_HL109086	93 838	115,192	
PENNSYLVANIA STATE UNIVERSITY	UCASFHL109086	93 838	141,001	
RADIOLOGICAL SOCIETY OF NORTH AMERICA INC	HSN268201200078C(2A)	93 838	367,727	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	Sub 000503442 (HL122626)	93 838	166,983	
UNIVERSITY OF ARIZONA	291957	93 838	260,897	
UNIVERSITY OF COLORADO DENVER	FY15.727.002	93 838	18,635	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	FY13.369.006	93 838	153,942	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	FY15.369.005	93 838	68,297	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	UCSF#A122529	93 838	80,808	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	UCSF#A122565	93 838	141,075	
UNIVERSITY OF IOWA	W000696756	93 838	82,324	
UNIVERSITY OF MICHIGAN	3002467528	93 838	101,163	
UNIVERSITY OF MICHIGAN	3003837218	93 838	33,435	
UNIVERSITY OF MICHIGAN	R01HL122438	93 838	89,558	
UNIVERSITY OF MINNESOTA	A000213101	93 838	117,401	
UNIVERSITY OF MINNESOTA	P001344002	93 838	336	
UNIVERSITY OF PENNSYLVANIA	2852954/UCSF PROP	93 838	1,400	
UNIVERSITY OF PENNSYLVANIA	557172	93 838	18,124	
UNIVERSITY OF PENNSYLVANIA	561374	93 838	2,739	
UNIVERSITY OF PENNSYLVANIA	R01HL087115	93 838	17,127	
UNIVERSITY OF PITTSBURGH	0014426 (123580-2):2	93 838	(211,932)	
UNIVERSITY OF PITTSBURGH	0014426(118315-1)	93 838	89,230	
UNIVERSITY OF PITTSBURGH	0035200 (123815-1)	93 838	35,618	
UNIVERSITY OF PITTSBURGH	0035200(123815-1)	93 838	121,442	
UNIVERSITY OF PITTSBURGH	0041577 (1251-1)	93 838	100,327	
UNIVERSITY OF PITTSBURGH	0041577(125120-2)	93 838	166,330	
UNIVERSITY OF PITTSBURGH	0045031(126089-1)	93 838	183,816	
UNIVERSITY OF PITTSBURGH	UPITT/NIH 0014426 KLEERUP 7/10 54%	93 838	(33,760)	
UNIVERSITY OF PITTSBURGH	PITT/NIH 0001933 KLEERUP 6/12 54%	93 838	58	
UNIVERSITY OF PITTSBURGH	9008508 (123014-1)	93 838	52,113	15,400

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		CFDA Number	Federal Number	Total Federal Expenditures	Pass-Through to Subrecipients
UNIVERSITY OF VIRGINIA	GC12056 138846:04	93	838	39,807	
UNIVERSITY OF WASHINGTON	Sub 713253 (none)	93	838	1,658	
VANDERBILT UNIVERSITY	11 R01 HL126176	93	838	140,553	
VANDERBILT UNIVERSITY	SUB VUMC41149 (HL116358)	93	838	3,221	
VANDERBILT UNIVERSITY	VUMC 44299	93	838	29,020	
VANDERBILT UNIVERSITY	VUMC-10190	93	838	10,259	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Bouvet 304649 (HL107652)	93	838	8,384	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Fuster 308305 (HL107652)	93	838	40,459	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA MIRACLE 307585 (HHSN268200)	93	838	10,320	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Zuniga 312860 (HL107652)	93	838	6,267	
XFIBRA, LLC	Sub (20152506) (HL122022)	93	838	140,452	
XFIBRA, LLC	SUB 20160160 (HL127919)	93	838	114,412	
YALE UNIVERSITY	SUB M15A120003 (HL116235)	93	838	77,182	
BRIGHAM AND WOMEN'S HOSPITAL	NIH/BRIGHAM/106777/LOREDO 54.5%	93	839	43	
CHILDREN'S HOSPITAL OF LOS ANGELES	8018-RGF008095-00:2	93	839	187,423	
DUKE UNIVERSITY	NIH-DUKE U/HERMANN	93	839	161	
MEDICAL UNIVERSITY OF SOUTH CAROLINA	MUSC09-114	93	839	2,813	
NATIONAL JEWISH MEDICAL AND RESEARCH CENTER	SUB 2020072608 (HL089897)	93	839	192,063	
NATIONAL MARROW DONOR PROGRAM	525-RDSAFE DVORAK	93	839	(3,513)	
NATIONAL MARROW DONOR PROGRAM	NMDP DAMON	93	839	5,455	
NATIONAL MARROW DONOR PROGRAM	Sub none (HL69294)	93	839	701	
NATIONAL MARROW DONOR PROGRAM	U10HL069294	93	839	9,388	
PENNSYLVANIA STATE UNIVERSITY	UCA-SFHL098115-02	93	839	99,973	
PROTEOGENOMICS RESEARCH INSTITUTE FOR SYSTEMS MEDICINE	SUB NONE (HL119165)	93	839	239,699	
THE SCRIPPS RESEARCH INSTITUTE	SUB 5-50314 (HL031950)	93	839	380,336	
UNIVERSITY OF MARYLAND	R01HL119439	93	839	396,954	
UNIVERSITY OF MINNESOTA	N003130601	93	839	188,458	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	533356	93	839	76,376	
UNIVERSITY OF PENNSYLVANIA	565117	93	839	146,727	
UNIVERSITY OF PENNSYLVANIA	566085	93	839	61,056	
UNIVERSITY OF PENNSYLVANIA	P01HL040387	93	839	116,551	
UNIVERSITY OF VERMONT	U OF VERMONT CRIQUI	93	839	251,469	
UNIVERSITY OF WASHINGTON	UWSC8212	93	839	13,025	
UNIVERSITY OF WASHINGTON	UWSC8734	93	839	60,220	
UNIVERSITY SYSTEM OF MARYLAND	13873-cyc1	93	839	30,900	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	HAMMOND 311720 (HL066941-11A1)	93	839	47,563	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	MLJJC-HARPF 311732 (HL066941)	93	839	100,362	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	SS 311780 (2P01 HL066941-11A1)	93	839	39,100	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA CHEN (HL066941)	93	839	13,897	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA HAMMOND (HL066941)	93	839	25,556	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA HAMMOND 309658 (HL066941)	93	839	94,912	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA HAMMOND 311895 (HL066941)	93	839	(332)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA ROTH 309659 (HL066941)	93	839	79,679	
YESHIVA UNIVERSITY	SUB 9-526-6969 (HL110900)	93	839	490,156	
THOMAS JEFFERSON UNIVERSITY	T JEFFRSON 08018060S10601HLM5/15	93	839	(11,486)	

The accompanying notes are an integral part of this schedule.

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UNIVERSITY OF MICHIGAN	A16-0006-001	93 839	43,021	
CEDARS-SINAI MEDICAL CENTER	0000953876	93 845	39,324	
BAYLOR COLLEGE OF MEDICINE	102008496	93 846	83,354	
BAYLOR COLLEGE OF MEDICINE	5600491721:05	93 846	(6,201)	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY141TN112	93 846	94,463	
BIOPICO SYSTEMS	BPS-200053-cyc1	93 846	6,174	
BOSTON UNIVERSITY	4500001229	93 846	32,181	
BOSTON UNIVERSITY	4500001983	93 846	81,371	
BOSTON UNIVERSITY	450001255	93 846	30,192	
BOSTON UNIVERSITY	BOSTON/NIH 4500001554 FURST 8/14 54	93 846	4,966	
BRIGHAM AND WOMEN'S HOSPITAL	109136	93 846	5,494	
BROWN UNIVERSITY	00000531-cyc5	93 846	108,661	
CALIFORNIA PACIFIC MEDICAL CENTER RESEARCH INSTITUTE	280201003-0714-S167	93 846	323,738	
CHILDREN'S MERCY HOSPITAL, THE	11-0009	93 846	(522)	
CHILDREN'S NATIONAL MEDICAL CENTER	08381202	93 846	15,544	
COLUMBIA UNIVERSITY	1 (GG003850)	93 846	24,232	
COLUMBIA UNIVERSITY	1 (GG007778)	93 846	132,667	
CONFLUENCE LIFE SCIENCES, LLP	20140159 (AR-065817)	93 846	6,662	
EMORY UNIVERSITY	Sub T190800 (AR064307)	93 846	23,079	
HARVARD UNIVERSITY	Sub 90056 (AR060816)	93 846	23,961	
HEBREW SENIORLIFE INC.	UCSF#A121271	93 846	17,392	
ICELANDIC HEART ASSOCIATION	HHSN27120120022C	93 846	36,628	
LA JOLLA INSTITUTE FOR ALLERGY AND IMMUNOLOGY	SUB 22474-44-334 (AR066053)	93 846	69,005	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	2R01AR027065-31	93 846	(26)	
MICHIGAN STATE UNIVERSITY	RC105700UCSF	93 846	806	
MOLECULAR IMAGING CORPORATION(ACQUIRED)	MI-54571-cyc3	93 846	72,256	
NATIONWIDE CHILDREN'S HOSPITAL	735611 (AR060949)	93 846	285,868	
NORTH SHORE-LONG ISLAND JEWISH HEALTH SYSTEM	500678UCSF	93 846	160,889	47,881
NORTHWESTERN UNIVERSITY	60031647 UCSF	93 846	16,643	
NORTHWESTERN UNIVERSITY	60038418 UCLA	93 846	7,711	
NORTHWESTERN UNIVERSITY	R01AR065473	93 846	109,197	
O.N. DIAGNOSTICS, LLC	007FUS1-01	93 846	58,123	
O.N. DIAGNOSTICS, LLC	2R44AR057616-03A1	93 846	31,656	
PENNSYLVANIA STATE UNIVERSITY	UCSF#A122503	93 846	6,561	
PHYSICAL SCIENCES INC.	201500396	93 846	29,788	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	SUB 58556-12524 (AR 064873)	93 846	25,559	
SCARLESS LABORATORIES, INC	1R43AR064126-01	93 846	878	
SCARLESS LABORATORIES, INC	2R44AR064126-03A1	93 846	20,371	
SURFACE BIOADVANCES INC.	SUB 20131851 (AR064043)	93 846	951	
SUTTER WEST BAY HOSPITALS	1162 (VMRF BOARD OF DIRECTORS)	93 846	28,142	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	Sub 000357678-002 (AR057954)	93 846	(22,040)	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	007118	93 846	80,302	
UNIVERSITY OF ARIZONA	247411	93 846	118,768	
UNIVERSITY OF CINCINNATI	008754	93 846	58,644	
UNIVERSITY OF COLORADO DENVER	Sub 15.090.005 (AR067681)	93 846	228,362	

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		Federal CFDA Number	Total Federal Expenditures
UNIVERSITY OF FLORIDA	UFDSP00010892	93 846	134,305
UNIVERSITY OF FLORIDA	UFDSP00010893	93 846	13,732
UNIVERSITY OF FLORIDA	UFDSP00010895	93 846	35,611
UNIVERSITY OF MICHIGAN	3003938003	93 846	8,113
UNIVERSITY OF PENNSYLVANIA	564917	93 846	(1,009)
UNIVERSITY OF PENNSYLVANIA	564991	93 846	2,027
UNIVERSITY OF PENNSYLVANIA	566571	93 846	78,590
UNIVERSITY OF SOUTHERN CALIFORNIA	67569403	93 846	28,166
UNIVERSITY OF TENNESSEE	AR064354UCLA	93 846	8,171
UNIVERSITY OF WASHINGTON	745568:3	93 846	(79,421)
UNIVERSITY OF WISCONSIN-MADISON	Sub 630K464 (AR068373)	93 846	62,231
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA YOUNG 312238 (AI090970)	93 846	10,223
WASHINGTON STATE UNIVERSITY	11617 G003092	93 846	207,116
WASHINGTON UNIVERSITY IN ST. LOUIS	SUB WU-11-226 (AR057836)	93 846	(528)
WASHINGTON UNIVERSITY IN ST. LOUIS	SUB WU-14-263 (AR064755)	93 846	(895)
YESHIVA UNIVERSITY	310451	93 846	20,824
ACOUSTIC MEDSYSTEMS, INC.	A127047	93 847	1,332
ANTEANA THERAPEUTICS, INC.	ATI-201867-cyc1	93 847	89,494
AUGUSTA UNIVERSITY	25034-72	93 847	37,362
AUGUSTA UNIVERSITY	Sub 25034-71 (DK076169)	93 847	10,011
AUGUSTA UNIVERSITY	Sub 25732-32 (DK076169)	93 847	7,084
AUGUSTA UNIVERSITY	SUB 25732-77 (DK076169)	93 847	14,650
BAYLOR COLLEGE OF MEDICINE	102159190	93 847	123,776
BAYLOR COLLEGE OF MEDICINE	102159207	93 847	61,019
BAYLOR COLLEGE OF MEDICINE	BAYLOR/NIH SUB 101792364 ROSENFELD	93 847	(70,323)
BETH ISRAEL DEACONESS MEDICAL CENTER	NIH-BETH ISREAL/ZHANG/54.5/07/11	93 847	(557)
BIOLINQ, INC.	SUB 20150264 (DK103559)	93 847	15,820
BOSTON UNIVERSITY	4500001991	93 847	5,561
BRENTWOOD BIOMEDICAL RESEARCH INSTITUTE	20140254:1	93 847	34,950
BRENTWOOD BIOMEDICAL RESEARCH INSTITUTE	20121469:3	93 847	208,215
CASE WESTERN RESERVE UNIVERSITY	SUB CWRU-N01-DK-6-2203 (DK3782)	93 847	(59,714)
CASE WESTERN RESERVE UNIVERSITY	SUB RES508624 (DK101074)	93 847	3,252
CASE WESTERN RESERVE UNIVERSITY	SUB RES509275 (DK094157)	93 847	198,208
CASE WESTERN RESERVE UNIVERSITY	SUB RES509478 (DK104438)	93 847	21,163
CEDARS-SINAI MEDICAL CENTER	0001073756	93 847	15,424
CEDARS-SINAI MEDICAL CENTER	0001163606	93 847	9,721
CEDARS-SINAI MEDICAL CENTER	0001179467	93 847	191,932
CEDARS-SINAI MEDICAL CENTER	1U01DK108314-01	93 847	4,030
CHILDREN'S HOSPITAL OF LOS ANGELES	CHLA TGF7134-2015 GLANZMAN 08/15 8%	93 847	540
CHILDREN'S HOSPITAL OF LOS ANGELES	Sub TGF7134 2015 (DK078385)	93 847	540
CHILDREN'S HOSPITAL OF LOS ANGELES	TGF7134-2015	93 847	540
CHILDREN'S MERCY HOSPITAL, THE	13-0022:1	93 847	14,662
CHILDREN'S MERCY HOSPITAL, THE	13-0025	93 847	2,522
COLUMBIA UNIVERSITY	1(ACCT.#5-39391)	93 847	3,090
COLUMBIA UNIVERSITY	COLUMBIA UNIVERSITY SCHWIMMER	93 847	(415,227)

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		Federal CFDA Number	Total Federal Expenditures
COLUMBIA UNIVERSITY	COLUMBIA UNIV SUB GG005583-02 (DK06	93 847	1,740
COLUMBIA UNIVERSITY	Sub 1 (GG010427-02) (DK061734-	93 847	95,873
COLUMBIA UNIVERSITY	Sub 1 (GG010427-05) (DK061734)	93 847	155,735
COLUMBIA UNIVERSITY	SUB 1(GG010427)(DK061734)	93 847	959,235
COLUMBIA UNIVERSITY	Sub 3 (GG010427) (DK061734)	93 847	131,816
COLUMBIA UNIVERSITY	Sub GG005583-02 (DK061734)	93 847	300,062
CONNECTICUT CHILDRENS MEDICAL CENTER	12-179296-28	93 847	886
DUKE UNIVERSITY	R34-DK094116-04 REVISED	93 847	25,076
EMORY UNIVERSITY	5R01DK098231-02	93 847	1,002
EMORY UNIVERSITY	SUB S726754 (DK094346)	93 847	25,146
GEORGE WASHINGTON UNIVERSITY	SUB S-GRD1213-KR40 (DK098246)	93 847	70,348
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-3831-4609	93 847	132,780
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-5001-4609:07	93 847	6,742
INDIANA UNIVERSITY	A15-0013-002	93 847	80,177
JOHNS HOPKINS UNIVERSITY	1R24DK099803-01A1	93 847	576,850
JOHNS HOPKINS UNIVERSITY	2001646276	93 847	16,610
KAISER PERMANENTE DIVISION OF RESEARCH	11 5-9075-07	93 847	24,576
KAISER PERMANENTE DIVISION OF RESEARCH	115-7257/1494	93 847	34,806
KAISER PERMANENTE DIVISION OF RESEARCH	115-7258/1493	93 847	3,547
KAISER PERMANENTE DIVISION OF RESEARCH	115-9075-01	93 847	42,380
KAISER PERMANENTE DIVISION OF RESEARCH	115-9075-06	93 847	21,255
KAISER PERMANENTE DIVISION OF RESEARCH	115-9107-04	93 847	9,536
KAISER PERMANENTE DIVISION OF RESEARCH	RNG200295-03	93 847	56,916
LA JOLLA INSTITUTE FOR ALLERGY AND IMMUNOLOGY	SUB 20045-44-334 (DK106233)	93 847	14,080
LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE	1 R01 DK090607-50326-S1	93 847	98,753
LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE	5R01DK092575	93 847	74,984
LPATH INCORPORATED	20155262 (R43DK098829)	93 847	31,118
LUDWIG INSTITUTE FOR CANCER RESEARCH	Sub 242001-05003B (DK105541)	93 847	346,284
LUDWIG INSTITUTE FOR CANCER RESEARCH	Sub 2420012-05003A (DK105541)	93 847	339,606
MAINE MEDICAL CENTER	1330002	93 847	3,735
MAINE MEDICAL CENTER	145703	93 847	36,030
MCGILL UNIVERSTIY	215686_PRIME-06RENEWAL	93 847	14,687
MCGILL UNIVERSTIY	Correction of defective CFTR f	93 847	443
MEDICAL COLLEGE OF WISCONSIN	201501396	93 847	174,744
MEMORIAL HOSPITAL OF RHODE ISLAND	108-864MARCUS	93 847	1,014
NEW ENGLAND RESEARCH INSTITUTE, INC.	NERI 20111296 SUB(DK058229) ALBO	93 847	95
NEXTRAST, INC	UCSF#A124589	93 847	50,492
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	YUKL1941-098824	93 847	17,072
OKLAHOMA MEDICAL RESEARCH FOUNDATION	OMR FDN/NIH 20094032 BRAUN 04/15 54	93 847	(231)
OREGON HEALTH & SCIENCE UNIVERSITY	SUB 1005905 UCSD (DK102813)	93 847	21,134
SAFE MEDICAL DESIGN, LLC	UCSF#A123054	93 847	37,684
SAINT BARNABAS MEDICAL CENTER	UCLA2	93 847	26,328
SEATTLE CHILDREN'S HOSPITAL, RESEARCH AND FOUNDATION	11109SUB Srinath	93 847	(1,279)
STANFORD UNIVERSITY	60896104-116817	93 847	32,653
STANFORD UNIVERSITY	61065546-117234	93 847	12,466

The accompanying notes are an integral part of this schedule.

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				Total Federal Expenditures	Pass-Through to Subrecipients
STANFORD UNIVERSITY	61111888-116833	93	847	54,290	
STANFORD UNIVERSITY	R01DK101674	93	847	216,116	
STATE UNIVERSITY OF NEW YORK	110108252451792	93	847	6,050	
THE SCRIPPS RESEARCH INSTITUTE	5-52131	93	847	144,507	
THE UNIVERSITY OF ALABAMA SYSTEM (SYSTEMWIDE PARENT CODE)	SUB 000501524 (DK079337)	93	847	549,426	
TOURO COLLEGE	1R01DK089216-01-RADIOLOGY-UCSF	93	847	14,055	
TOURO COLLEGE	DK089216-01-PEDIATRICS ENDO-SF	93	847	(1,730)	
UNIVERSITY HEALTH NETWORK	1	93	847	48,178	
UNIVERSITY OF ARIZONA	SUB 92941 (DK080801)	93	847	124,225	
UNIVERSITY OF ARIZONA	SUB PO 148522 (DK058251)	93	847	273,387	
UNIVERSITY OF CINCINNATI	009897-002	93	847	8,536	
UNIVERSITY OF COLORADO DENVER	FY15.748.001-cyc1	93	847	735	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	FY13.274.003	93	847	150,050	62,058
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	FY15.018.001	93	847	203,368	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	FY15.269.002 AMD2	93	847	25,906	
UNIVERSITY OF FLORIDA	NIH-UNIV FLORIDA SUB UFDSP00010634	93	847	23,672	
UNIVERSITY OF IOWA	W000426013	93	847	(2,942)	
UNIVERSITY OF IOWA	W000449875	93	847	55,697	
UNIVERSITY OF MASSACHUSETTS AMHERST	SUB 13-007352 (DK064902)	93	847	76,192	
UNIVERSITY OF MASSACHUSETTS AMHERST	Sub 14-007792 (DK097011)	93	847	126,599	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5101190	93	847	57,230	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5-34392	93	847	105,286	
UNIVERSITY OF OREGON	SUB 215380A (DK095926)	93	847	36,783	
UNIVERSITY OF PITTSBURGH	0019927(118536-5)	93	847	22,037	
UNIVERSITY OF PITTSBURGH	PRO12060248	93	847	17,275	
UNIVERSITY OF SOUTH FLORIDA	6119127600AQ	93	847	610,010	
UNIVERSITY OF SOUTH FLORIDA	6119-1295-00-AV	93	847	21,773	
UNIVERSITY OF SOUTH FLORIDA	UCSF#A111732	93	847	268,769	
UNIVERSITY OF SOUTHERN CALIFORNIA	44520040:01	93	847	77,994	
UNIVERSITY OF TENNESSEE	R01DK096920UCIRVINE-cyc5	93	847	65,440	
UNIVERSITY OF TEXAS-SOUTHWESTERN MEDICAL CENTER AT DALLAS	120504	93	847	(432)	
UNIVERSITY OF TEXAS-SOUTHWESTERN MEDICAL CENTER AT DALLAS	161111-Registry	93	847	126,420	
UNIVERSITY OF TEXAS-SOUTHWESTERN MEDICAL CENTER AT DALLAS	GMO111127:3	93	847	(36,236)	
UNIVERSITY OF TEXAS-SOUTHWESTERN MEDICAL CENTER AT DALLAS	GMO-111128	93	847	19,839	
UNIVERSITY OF WASHINGTON	0747088-CYC3	93	847	971	
UNIVERSITY OF WASHINGTON	1R01DK102134-01	93	847	25,406	
UNIVERSITY OF WASHINGTON	FFT NIH UW SUB 698059 AFARI	93	847	487	
UNIVERSITY OF WASHINGTON	Sub 698055 (DK082325)	93	847	28,226	
VACUUM PROCESS ENGINEERING, INC	A121392	93	847	82,588	
VANDERBILT UNIVERSITY	NIH/VUMC 38646 SANDER	93	847	(2,357)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA ADV IX (DK 102438)	93	847	7,308	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Edelman 307593 (DK098246-0	93	847	5,857	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Henry 307582 (DK098246)	93	847	14,846	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA IX (DK097093)	93	847	58,802	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA IX 310177 DK098234-01A1	93	847	25,047	

The accompanying notes are an integral part of this schedule.

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		Federal CFDA Number	Total Federal Expenditures	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA IX 310997 (DK101720)	93 847	45,245	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA JOACHIM 314867 (DK105314)	93 847	11,140	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA PETTUS 316074 (DK098246)	93 847	22,822	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA-Mudaliar 307671 (DK098246)	93 847	23,841	
VIRGINIA COMMONWEALTH UNIVERSITY	1R01DK094818-01A1	93 847	61,913	
VIRGINIA COMMONWEALTH UNIVERSITY	Sub PD304070-SC106315 (DK10596)	93 847	390,357	
WAKE FOREST UNIVERSITY	Look AHEAD (Action for Health)	93 847	3,930	
WASHINGTON UNIVERSITY IN ST. LOUIS	Sub WU-15-284 (DK078669)	93 847	215,875	
WASHINGTON UNIVERSITY IN ST. LOUIS	Sub WU-15-285 (DK078669)	93 847	53,055	
YALE UNIVERSITY	M15A11978(A10081)-cyc1	93 847	154,501	
CHILDREN'S MERCY HOSPITAL, THE	NP-CMH/NIH 050012 YADIN 07/13 54%	93 849	2,384	
CHILDREN'S MERCY HOSPITAL, THE	SUB 07-005 (DK066143)	93 849	17,482	
MEDICAL COLLEGE OF WISCONSIN	SUB NONE (DK088831)	93 849	465,001	
NEW ENGLAND RESEARCH INSTITUTE, INC.	NIH-NERI/ALBO/26% 06/13	93 849	1,230	
STANFORD UNIVERSITY	NIH-STANFORD/MEHTA/26%/01/10	93 849	(65,299)	
ALLEN INSTITUTE FOR BRAIN SCIENCE	R01NS092474	93 853	201,203	
ANN & ROBERT H. LURIE CHILDREN'S HOSPITAL OF CHICAGO	901460-UCLA	93 853	21,086	
ANTEANA THERAPEUTICS, INC.	ATI-200910-cyc1	93 853	38,161	
AUGUSTA UNIVERSITY	27087A-1-cyc3	93 853	148,992	
BAYLOR COLLEGE OF MEDICINE	Sub 102068662 (NS089366)	93 853	115,028	
BETH ISRAEL DEACONESS MEDICAL CENTER	01025970	93 853	55,946	
BRENTWOOD BIOMEDICAL RESEARCH INSTITUTE	20145153	93 853	65,433	
BRENTWOOD BIOMEDICAL RESEARCH INSTITUTE	2014265:3	93 853	81,730	
BRIGHAM AND WOMEN'S HOSPITAL	108685-cyc3	93 853	276,151	
BRIGHAM AND WOMEN'S HOSPITAL	112065	93 853	7,920	
BRIGHAM AND WOMEN'S HOSPITAL	Sub 108685 (NS 079201)	93 853	194,301	
CASE WESTERN RESERVE UNIVERSITY	RES509427	93 853	364,827	
CHILDREN'S HOSPITAL CORP. (THE), BOSTON, MASS.	0000299804	93 853	40,063	
CHILDREN'S HOSPITAL CORP. (THE), BOSTON, MASS.	RSTFD0000596413:04	93 853	26,936	
CHILDREN'S HOSPITAL CORP. (THE), BOSTON, MASS.	RSTFD0000596557:04	93 853	298,580	92,239
CHILDREN'S HOSPITAL CORP. (THE), BOSTON, MASS.	RSTFD0000610379	93 853	49,623	
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	109540	93 853	117	
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	Sub 107759 (NS045911)	93 853	2,823	
CHILDREN'S HOSPITAL OF PHILADELPHIA	321039	93 853	218,672	
CLEVELAND CLINIC FOUNDATION	SUB 496-SUB (NS082083)	93 853	17,953	
COLD SPRING HARBOR LABORATORY	64100112	93 853	165,805	
COLUMBIA UNIVERSITY	1(GG008135-02)	93 853	13,844	
COLUMBIA UNIVERSITY	1(GG010432-02)	93 853	3,598	
COLUMBIA UNIVERSITY	1R01NS089552-01	93 853	38,118	
COLUMBIA UNIVERSITY	4 (GG006906-11):01	93 853	22,807	
COLUMBIA UNIVERSITY	Sub GG010312 (NS078059)	93 853	18,301	
CORNELL UNIVERSITY	NIH-CORNELL/SONG/26%/11/11	93 853	533	
DANA-FARBER CANCER INSTITUTE	1136805	93 853	230,720	
DANA-FARBER CANCER INSTITUTE	1278001	93 853	71,470	
DIAGNOSTIC CONSULTING NETWORK	DCN-55972-cyc1	93 853	66,548	

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DIAGNOSTIC CONSULTING NETWORK	Sub 20134874 (NS 76359)	93 853	59,544	
DUKE UNIVERSITY	2033809-CYC1	93 853	3,894	2,473
DUKE UNIVERSITY	SUB 2034905 (NS092521)	93 853	203,585	
EMMES CORPORATION, THE	20101609	93 853	2,177	
EMORY UNIVERSITY	T182905-CYC4	93 853	17	
EMORY UNIVERSITY	T423135-cyc1	93 853	184,069	
GLADSTONE INSTITUTES	1R01NS079725-01A1	93 853	223,645	
GLADSTONE INSTITUTES	20105403	93 853	38,364	
GLADSTONE INSTITUTES	R01750-A	93 853	17,344	
GLADSTONE INSTITUTES	R02082-A	93 853	7,844	
GLADSTONE INSTITUTES	Sub R2400-A (NS094342)	93 853	247,840	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-0641-4609	93 853	562,081	
INSTITUTE FOR MOLECULAR MEDICINE, INC. (CALIFORNIA)	UCI-2014-56074-CYC1	93 853	93,909	
INSTITUTE FOR MOLECULAR MEDICINE, INC. (CALIFORNIA)	UCI-2014-56212-CYC1	93 853	94,423	
JOHNS HOPKINS UNIVERSITY	2000767379:5	93 853	20,729	
KAISER PERMANENTE DIVISION OF RESEARCH	115-7290/1514-01	93 853	95,176	
KAISER PERMANENTE DIVISION OF RESEARCH	115-9703/1301-01	93 853	417,237	43,574
KAISER PERMANENTE DIVISION OF RESEARCH	5962-UCB	93 853	132,027	
KITWARE, INC.	KITWARE/NIH K00084100S01VANHORN 12/	93 853	1,565	
LUDWIG INSTITUTE FOR CANCER RESEARCH	233305-05012:03	93 853	108,702	
MAGNESENSORS, INC.	MAGNESENSORS, INC. SUB 3037 (NS0776	93 853	8,332	
MASSACHUSETTS GENERAL HOSPITAL	20131516	93 853	3,394	
MASSACHUSETTS GENERAL HOSPITAL	A127236	93 853	88	
MASSACHUSETTS GENERAL HOSPITAL	NN103	93 853	63,184	
MASSACHUSETTS GENERAL HOSPITAL	PS#221606-cyc3	93 853	1,384	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003857-cyc1	93 853	247,346	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	NIH-MAYO FOUNDATION YAKSH	93 853	(914)	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	A126507	93 853	576	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	SUB MAYO CLINIC (NS044233)	93 853	9,312	
MEDICAL UNIVERSITY OF SOUTH CAROLINA	MUSC14-016:1	93 853	12,649	
NORTHWESTERN UNIVERSITY	1U01NS080818-01A1	93 853	16,714	
NORTHWESTERN UNIVERSITY	60036745 UC-cyc3	93 853	9,230	
NORTHWESTERN UNIVERSITY	60041563 UCI-cyc1	93 853	79,069	
NORTHWESTERN UNIVERSITY	60042630 UCD	93 853	4,316	
NORTHWESTERN UNIVERSITY	R01NS080619	93 853	316,853	
NORTHWESTERN UNIVERSITY	Sub 60036745 UCSD (NS080818)	93 853	31,272	
OREGON HEALTH & SCIENCE UNIVERSITY	SUB NONE (OD011883)	93 853	54,475	
PARTNERS HEALTHCARE SYSTEM, INC	MGH/NIH 20141200 DOBKIN 05/15 54%	93 853	43,437	
PARTNERS HEALTHCARE SYSTEM, INC	NS052592	93 853	2,300	
PRINCETON UNIVERSITY	Sub 0000039 (NS090562)	93 853	145,007	
ROCKEFELLER UNIVERSITY	5R01NS083823-03:1	93 853	245,507	
ROKHAN, LLC	FAIN: R43NS087659	93 853	3,673	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	56642-11822-UCSD-01 (NS074303)	93 853	(33,530)	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	BURNHAM SUB 56602-11995-UCSD-02 (NS	93 853	169,337	
SANFORD RESEARCH	SR-2014-25	93 853	44,374	

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SEPULVEDA RESEARCH CORPORATION	SRC/NIH LAI0004 UC01 LAI 5/16 54%	93 853	237,455	
STANFORD UNIVERSITY	28361770-3222-E	93 853	15,115	
STANFORD UNIVERSITY	25847520-45119-A MILLER	93 853	(14,293)	
TEGA THERAPEUTICS INC	Sub 20151510 (R43NS089383)	93 853	34,058	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	000427597-003	93 853	31,984	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	Sub 000509001 (NS036960)	93 853	171,012	
UNIVERSITY OF BRITISH COLUMBIA	20R22010	93 853	70,297	
UNIVERSITY OF BRITISH COLUMBIA	NIH-U BRITISH COLUMBIA/MEYER/26%	93 853	52	
UNIVERSITY OF CHICAGO	FP060364-cyc1	93 853	63,811	
UNIVERSITY OF CINCINNATI	U01NS091951-133897-cyc1	93 853	11,839	
UNIVERSITY OF CINCINNATI	006883	93 853	3,602	
UNIVERSITY OF CINCINNATI	00822-ADM-SAVER-1	93 853	35,794	
UNIVERSITY OF CINCINNATI	008822-ADM-CRAMER-CYC1	93 853	87,026	
UNIVERSITY OF CINCINNATI	UCINN/NIH 006883 SHARMA 07/14 54%	93 853	281	
UNIVERSITY OF CINCINNATI	COEUS#006883	93 853	6,106	
UNIVERSITY OF CINCINNATI	Sub 00980-002 (NS094403)	93 853	82,026	
UNIVERSITY OF FLORIDA	UFDSPO0010612-cyc1	93 853	199,212	
UNIVERSITY OF ILLINOIS	NP/UI/NIH 200700602 LIEBESKIND 6/14	93 853	(196)	
UNIVERSITY OF IOWA	SUB 430-23-12A (NS089487)	93 853	38,374	
UNIVERSITY OF KENTUCKY/UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	UKENTUCKY/NIH 10411 MARVIZON 01/15	93 853	(3,058)	
UNIVERSITY OF MARYLAND	050263B-CYC1	93 853	51,375	
UNIVERSITY OF MIAMI	662706:1	93 853	99,483	
UNIVERSITY OF MIAMI	665673-cyc1	93 853	16,151	
UNIVERSITY OF MIAMI	Sub 664008 (NS092091)	93 853	185,374	
UNIVERSITY OF MICHIGAN	3001300368-PIII	93 853	3,159	
UNIVERSITY OF MICHIGAN	3001413298-PNT	93 853	58,247	3,500
UNIVERSITY OF MICHIGAN	3002064226	93 853	(10,139)	
UNIVERSITY OF MICHIGAN	3002112002-SHN	93 853	67,161	
UNIVERSITY OF MICHIGAN	3002348507-SHN:11	93 853	7,583	7,541
UNIVERSITY OF MICHIGAN	3002387269:3	93 853	13,055	
UNIVERSITY OF MICHIGAN	3002987750	93 853	8,588	
UNIVERSITY OF MICHIGAN	8381	93 853	7,143	
UNIVERSITY OF MICHIGAN	3000691491-RPT HEMPILL	93 853	(3,556)	
UNIVERSITY OF MICHIGAN	N003439222	93 853	5,955	
UNIVERSITY OF MICHIGAN	R01-NS055746	93 853	71,865	
UNIVERSITY OF MICHIGAN	SUBK00002380-ATACHII	93 853	2,331	
UNIVERSITY OF MINNESOTA	Sub N000936910 (NS062091)	93 853	(447)	
UNIVERSITY OF MONTANA	PG16-64514-03	93 853	95,381	
UNIVERSITY OF PENNSYLVANIA	566106-cyc1	93 853	12,202	
UNIVERSITY OF PITTSBURGH	0030451(123192)	93 853	61,457	
UNIVERSITY OF PITTSBURGH	0044484(125590-1)	93 853	59,062	
UNIVERSITY OF PITTSBURGH	0044312	93 853	57,228	
UNIVERSITY OF ROCHESTER	415681-G/5-27019	93 853	439	
UNIVERSITY OF ROCHESTER	NIH U ROCHESTER LESSIG	93 853	183	
UNIVERSITY OF SOUTHERN CALIFORNIA	SUB 48161201 (NS080655)	93 853	19,597	

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				Total Federal Expenditures	Pass-Through to Subrecipients
UNIVERSITY OF UTAH	10035100-01	93	853	90,184	
UNIVERSITY OF UTAH	U OF UTAH 10031107-01 OTIS 08/14 54	93	853	(6,397)	
UNIVERSITY OF VERMONT	27988SUB51551-CYC1	93	853	85,611	
UNIVERSITY OF VIRGINIA	GB10094-147357	93	853	5,148	
UNIVERSITY OF VIRGINIA	GB10094148459	93	853	50,098	
UNIVERSITY OF WASHINGTON	752137	93	853	16,260	
UNIVERSITY OF WASHINGTON	763739-cyc1	93	853	109,380	
UNIVERSITY OF WASHINGTON	UOW-NIH FFT- LESSIG	93	853	171	
UNIVERSITY OF WASHINGTON	SUB 754143 (NS086094)	93	853	11,100	
UNIVERSITY OF WISCONSIN SYSTEM	sub 547K304 (NS083688)	93	853	120,353	
UNIVERSITY OF WISCONSIN-MADISON	SUB 578K325 (NS083514)	93	853	79,385	
WASHINGTON STATE UNIVERSITY	Sub120907-G003351 (NS085369)	93	853	97,894	
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-12-20	93	853	39,122	
YALE UNIVERSITY	A07593	93	853	581	
YALE UNIVERSITY	A08580	93	853	2,979	
YALE UNIVERSITY	M14A12115(A09533), JACOBSON, M	93	853	5,820	
YALE UNIVERSITY	M14A11621 (A09205)	93	853	25,505	
YALE UNIVERSITY	OSR #05039318	93	853	7,183	
YALE UNIVERSITY	SUB M10A10554 (NS044876)	93	853	23,287	
BOSTON UNIVERSITY	A16-0139-001	93	853	17,759	
MASSACHUSETTS GENERAL HOSPITAL	A00-0513-002	93	853	17,116	
UNIVERSITY OF TEXAS-AUSTIN	A00-0486-004	93	853	82,379	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	99-705	93	854	800	
ADVANCED GENETIC SYSTEMS, INC.	ADV GENE FRANKEL	93	855	(88)	
ALTRAVAX, INC.	007493	93	855	157,275	139,526
ARIZONA STATE UNIVERSITY/TEMPE	16-964	93	855	650	
BAYLOR COLLEGE OF MEDICINE	SUB 101835723 (AI105101)	93	855	83,410	
BAYLOR UNIVERSITY MEDICAL CENTER	41010191301	93	855	2,271	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	1UM1AI109565-01 Revised	93	855	354,442	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	1UM1AI109565-01	93	855	40,813	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	1UM1AI109565-01	93	855	46,078	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	SU01AI101990-02 REVISED	93	855	18,347	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY14ITN040	93	855	21,950	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY14ITN047	93	855	66,762	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY14ITN049	93	855	21,220	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY14ITN078	93	855	15,271	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY15109844	93	855	73,997	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY15ITN104	93	855	37,066	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY15ITN160	93	855	35,557	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY16ITN057	93	855	6,006,778	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY16ITN186	93	855	661	
BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	rFY16ITN053	93	855	3,438	
BLOOD SYSTEMS, INC. DBA BLOOD SYSTEMS RESEARCH INSTITUTE	11349UCSF118	93	855	34,046	
BLOOD SYSTEMS, INC. DBA BLOOD SYSTEMS RESEARCH INSTITUTE	BSRI#11205UCSF108	93	855	6,608	
BOSTON MEDICAL CENTER CORPORATION	0371101	93	855	17,835	

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		Federal CFDA Number	Total Federal Expenditures	
BRIGHAM AND WOMEN'S HOSPITAL	037829	93 855	68,005	
BRIGHAM AND WOMEN'S HOSPITAL	109135:02	93 855	3,594	
BRIGHAM AND WOMEN'S HOSPITAL	109925	93 855	275,208	
BRIGHAM AND WOMEN'S HOSPITAL	110008:02	93 855	254,037	
BRIGHAM AND WOMEN'S HOSPITAL	110009	93 855	81,194	
BRIGHAM AND WOMEN'S HOSPITAL	110080	93 855	36,113	
BRIGHAM AND WOMEN'S HOSPITAL	110237	93 855	569	
BRIGHAM AND WOMEN'S HOSPITAL	110237:1	93 855	11,198	
BRIGHAM AND WOMEN'S HOSPITAL	110238	93 855	4,312	
BRIGHAM AND WOMEN'S HOSPITAL	110256	93 855	9,617	
BRIGHAM AND WOMEN'S HOSPITAL	110668	93 855	46,165	
BRIGHAM AND WOMEN'S HOSPITAL	111669:1	93 855	187,072	
BRIGHAM AND WOMEN'S HOSPITAL	20143967:1	93 855	218,947	
BRIGHAM AND WOMEN'S HOSPITAL	2UM1AI068636-08	93 855	9,369	
BRIGHAM AND WOMEN'S HOSPITAL	BWH/NIH PS#105087CTOT11 FONAROW 8/1	93 855	(38)	
BRIGHAM AND WOMEN'S HOSPITAL	BWH/NIH SUB 108364 BENSON 55%	93 855	(2)	
BRIGHAM AND WOMEN'S HOSPITAL	BRIGHAM & WOMENS HOSP/NIH WACHSMAN	93 855	68	
BRIGHAM AND WOMEN'S HOSPITAL	Sub 108561 (AI068636)	93 855	2,722	
BRIGHAM AND WOMEN'S HOSPITAL	SUB 110009 (AI068636)	93 855	55,238	
BRIGHAM AND WOMEN'S HOSPITAL	Sub 110080 (AI 068636)	93 855	243,961	
BRIGHAM AND WOMEN'S HOSPITAL	Sub 110206 (AI068636)	93 855	612,794	
BRIGHAM AND WOMEN'S HOSPITAL	Sub 110233 (AI068636)	93 855	5,032	
BRIGHAM AND WOMEN'S HOSPITAL	UCSF#A123675	93 855	6,618	
BRIGHAM AND WOMEN'S HOSPITAL	UM1AI068636-HUNT	93 855	58,060	
BROAD INSTITUTE INC.	55035495500000802	93 855	31,076	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	SUB SA0000338 (AI105185)	93 855	195,246	
CASE WESTERN RESERVE UNIVERSITY	CASE WESTERN RESERVE UNIVERSI (78664)	93 855	7	
CASE WESTERN RESERVE UNIVERSITY	RES509076-CYC1	93 855	109,470	
CAYETANO HEREDIA UNIVERSITY	R01AI099727:3	93 855	62,149	
CHILDREN'S HOSPITAL AND RESEARCH CENTER AT OAKLAND	128217002	93 855	263,716	
CHILDREN'S HOSPITAL CORP. (THE), BOSTON, MASS.	85253:3	93 855	100,472	
CHILDREN'S HOSPITAL CORP. (THE), BOSTON, MASS.	RSTFD0000593889:5	93 855	13,497	
CHILDREN'S HOSPITAL CORP. (THE), BOSTON, MASS.	UCSF #A113850	93 855	2,979	
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	131124:02	93 855	18,400	
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	Sub 135407 (AI117804)	93 855	71,609	
CHILDREN'S HOSPITAL OF LOS ANGELES	Sub P2013-0259 (AI106716)	93 855	117,559	
CHILDREN'S HOSPITAL OF LOS ANGELES	Sub p2013-0259-UCSD2_14_1 (AI1	93 855	423,587	
CITY OF HOPE	508001914673669304	93 855	22,027	
CITY OF HOPE	50800914673962	93 855	(89,228)	
COLLABORATIVE DRUG DISCOVERY, INC	COLLAB DRUG DISCOVERY 20150010 (AI1	93 855	(9)	
COLORADO STATE UNIVERSITY	G-14944-1	93 855	127,825	
COLORADO STATE UNIVERSITY	G-46001-2	93 855	57,765	
COLUMBIA UNIVERSITY	11(GG011896-09)	93 855	39,802	
COLUMBIA UNIVERSITY	5 (ACCT# 5-30261)	93 855	76,474	
COLUMBIA UNIVERSITY	7(GG008377-12)	93 855	205,740	

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				Total Federal Expenditures	Pass-Through to Subrecipients
DANA-FARBER CANCER INSTITUTE	1235901	93	855	59,757	
DARTMOUTH COLLEGE	1152	93	855	62,261	
DUKE UNIVERSITY	203 8792	93	855	40,760	
DUKE UNIVERSITY	2032191	93	855	1,205,235	
DUKE UNIVERSITY	2033035	93	855	11,533	
DUKE UNIVERSITY	2033846	93	855	12,584	
DUKE UNIVERSITY	2033855	93	855	16,681	
DUKE UNIVERSITY	203-4120	93	855	7,662	
DUKE UNIVERSITY	2034442	93	855	404,028	
DUKE UNIVERSITY	203-8578	93	855	474,944	
DUKE UNIVERSITY	DUKE UNIV/NIH W20120425 FURST 10/14	93	855	(269)	
DUKE UNIVERSITY	2030931 VON SCHEVEN	93	855	(1,402)	
DUKE UNIVERSITY	2032103 / 2032993 VON SCHEVEN	93	855	18,048	
DUKE UNIVERSITY	Sub 2032980 (AI056363)	93	855	81,811	
DUKE UNIVERSITY	UCSF#A122022	93	855	164,596	
DUKE UNIVERSITY	UCSF#A122787	93	855	122	
EMORY UNIVERSITY	SUB S899904 (AI090023)	93	855	19,535	
EMORY UNIVERSITY	T487245	93	855	483,647	
FHI 360	007731	93	855	1,244	
FHI 360	09-487-8337	93	855	188,433	169,512
FHI 360	15000021/UMIAI068619	93	855	1,143	
FHI 360	865:13	93	855	21,688	
FHI 360	HPTN-SMITH	93	855	11,131	
FHI 360	PO#15001679	93	855	239,942	
FHI 360	PO15000026:1	93	855	27,157	
FHI 360	PO15000047 (FCO 796/ID 0080.02	93	855	575,113	575,113
FHI 360	PO15001941	93	855	401,745	368,863
FHI 360	PO15002977	93	855	46,733	
FHI 360	PO15004412:03	93	855	234,215	
FHI 360	PO16002764	93	855	831	
FHI 360	Sub 1600119 (AI068619)	93	855	462	
FHI 360	Sub 952/0100.0141 (AI068619)	93	855	31,022	
FHI 360	Sub FCO 797 (AI068619)	93	855	829,844	829,844
FHI 360	UM1 AI068619	93	855	654,407	531,945
FORSYTH INSTITUTE, THE	01018UCSF-2420	93	855	179,152	
FOX CHASE CANCER CENTER	A124346	93	855	114,703	
FOX CHASE CANCER CENTER	SUB CORE B (AI102853)	93	855	166,520	
FOX CHASE CANCER CENTER	SUB PROJECT 4 (AI102853)	93	855	364,018	
FRED HUTCHINSON CANCER RESEARCH CENTER	0000828949	93	855	40,963	
FRED HUTCHINSON CANCER RESEARCH CENTER	0000859892	93	855	3,378	
FRED HUTCHINSON CANCER RESEARCH CENTER	F/HUTCHINSON 0000768988 FORTHALJ53	93	855	3	
FRED HUTCHINSON CANCER RESEARCH CENTER	FDP-FHCRC/NIH 762017 ANTON 12/13 26	93	855	(858)	
GENERAL ELECTRIC COMPANY (INCL GE HEALTHCARE, GE LIGHTING INST)	PO NO. 401038186	93	855	124,972	
GEORGE WASHINGTON UNIVERSITY	12-M60	93	855	3,227	
GEORGE WASHINGTON UNIVERSITY	FDP-GWU/NIH 12-M56 ROTHERAM 05/15 5	93	855	(198)	

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
GEORGETOWN UNIVERSITY	Sub 411316_GR411240-UCSD AWD-7	93 855	27,450	
GEORGIA INSTITUTE OF TECHNOLOGY	RE606-G1	93 855	64,026	
GLADSTONE INSTITUTES	J. David Gladstone Inst;R01071	93 855	14,448	
GLADSTONE INSTITUTES	R01070	93 855	75,291	
GLADSTONE INSTITUTES	R01072	93 855	37,397	
GLIXIS THERAPEUTICS, LLC	55760-cyc2	93 855	80,000	
HARVARD PILGRIM HEALTH CARE	PH000391A-CYC6	93 855	2,756	
HENRY FORD HEALTH SYSTEM	UCSF#A120210	93 855	617,363	53,859
HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE	2372	93 855	125,325	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	007416	93 855	134,096	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0254-3241-4609	93 855	415,388	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-1350-4609	93 855	241,389	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-1351-4609:3	93 855	69,114	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-1352-4609:1	93 855	258,963	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-1359-4609	93 855	105,100	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	025578414609	93 855	221,078	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-8610-4609	93 855	175,663	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-8616-4609	93 855	12,020	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-8624-4609	93 855	4,199	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	SUB 0254-3241-4609 (AI106754)	93 855	310,460	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	Sub 0254-3243-4609 (AI106754)	93 855	504,285	
IMMUNE DEFICIENCY FOUNDATION	2U24AI086037-06	93 855	43,512	
IMMUNE DEFICIENCY FOUNDATION	ID FOUND PUCK	93 855	(3,365)	
INDIANA UNIVERSITY	IN-4685211-UCSF	93 855	327,487	
INDIANA UNIVERSITY	IN4688381UCB	93 855	38,147	
INTEGRATED BIOTHERAPEUTICS, INC	R56TOXVAX-UCSF-Y1	93 855	76,432	
IOWA STATE UNIVERSITY	430-40-01A:05	93 855	183,706	
IOWA STATE UNIVERSITY	430-40-09A	93 855	43,339	
JOHNS HOPKINS UNIVERSITY	2001318908:3	93 855	248,332	
JOHNS HOPKINS UNIVERSITY	2001586402:4	93 855	29,636	
JOHNS HOPKINS UNIVERSITY	2002259596	93 855	203,920	
JOHNS HOPKINS UNIVERSITY	2002292916:02	93 855	34,369	
JOHNS HOPKINS UNIVERSITY	2002292921:02	93 855	31,678	
JOHNS HOPKINS UNIVERSITY	2002292925:01	93 855	9,570	
JOHNS HOPKINS UNIVERSITY	2002320204	93 855	32,912	
JOHNS HOPKINS UNIVERSITY	2002425863	93 855	149,248	
JOHNS HOPKINS UNIVERSITY	2002656257	93 855	80,971	
JOHNS HOPKINS UNIVERSITY	2002740603	93 855	46,200	
JOHNS HOPKINS UNIVERSITY	2002797871	93 855	5,216	
JOHNS HOPKINS UNIVERSITY	20141864	93 855	404,381	
JOHNS HOPKINS UNIVERSITY	PRIME:R21AI106031	93 855	1,298	
JOHNS HOPKINS UNIVERSITY	PSTO LAB 05 (AI068632)	93 855	30,750	
JOHNS HOPKINS UNIVERSITY	R01AI107028	93 855	70,865	
JOHNS HOPKINS UNIVERSITY	Sub 2002283571 (AI068632)	93 855	116,483	
JOHNS HOPKINS UNIVERSITY	SUB 2002347320 (AI09657)	93 855	2,441	

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
JOHNS HOPKINS UNIVERSITY	Sub 2002438807 (AI068632)	93 855	23,943	
JOHNS HOPKINS UNIVERSITY	UCSF#A117877	93 855	64,166	
JOHNS HOPKINS UNIVERSITY	UM1AI068632	93 855	26,508	
LA JOLLA INSTITUTE FOR ALLERGY AND IMMUNOLOGY	20025-03-381	93 855	19,392	
LA JOLLA INSTITUTE FOR ALLERGY AND IMMUNOLOGY	Sub 26244-44-382 (AI109976)	93 855	487,996	
LA JOLLA INSTITUTE FOR ALLERGY AND IMMUNOLOGY	SUB 26625-44-381 (AI100275)	93 855	224,731	
LIVERMORE INSTRUMENTS INC	UCSF#A120687	93 855	(8,693)	
LOS ANGELES BIOMEDICAL RESEARCH INSTITUTE AT HARBOR-UCLA MEDICAL CTR	30685-UCLA	93 855	10,506	
MAGEE-WOMENS HOSPITAL, RESEARCH INSTITUTE AND FOUNDATION	7292:2	93 855	30,040	
MAGEE-WOMENS HOSPITAL, RESEARCH INSTITUTE AND FOUNDATION	9375	93 855	13,801	
MAGEE-WOMENS HOSPITAL, RESEARCH INSTITUTE AND FOUNDATION	UM1 AI068633	93 855	94,452	
MAPP BIOPHARMACEUTICAL, INC.	7036-01 (CA186591)	93 855	37,508	
MASSACHUSETTS GENERAL HOSPITAL	Sub 223124 (AI095261)	93 855	38,919	
MASSACHUSETTS GENERAL HOSPITAL	UCSF#A122308	93 855	12,813	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	63778365	93 855	27,900	
MBIO DIAGNOSTICS, INC.	MBIO DIAGNOSTICS, INC. SCHOOLEY	93 855	(748)	
MBIO DIAGNOSTICS, INC.	SUB NONE (AI093289)	93 855	50,879	
MBIO DIAGNOSTICS, INC.	SUB NONE (AI96189)	93 855	190,439	
MICROBIAL MEDICAL, INC.	20154055-1	93 855	22,471	
MICROBIOTIX, INC	20160317-1	93 855	78,568	
NANJING MEDICAL UNIVERSITY	Sub 20160567 (R43EB021129)	93 855	7,090	
NATIONAL JEWISH HEALTH	Sub 2020096801 (AI117673)	93 855	1,162,871	
NATIONWIDE CHILDREN'S HOSPITAL	957913	93 855	110,600	
NEW YORK UNIVERSITY	15-A0-00-004739-01	93 855	18,338	
NORTH CAROLINA STATE UNIVERSITY	2010-1544-01	93 855	40,762	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	SUB SUL1847-04 (AI106987)	93 855	56,193	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	SUL1847-03	93 855	65,976	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	WONG1924-02	93 855	25,849	
NORTHWESTERN UNIVERSITY	60024957 UCLA:A03	93 855	(103,280)	
OAK CREST INSTITUTE OF SCIENCE	S14-164 UCLA	93 855	65,556	
OAK CREST INSTITUTE OF SCIENCE	Sub S14-164 (AI113048)	93 855	88,289	
ONCOIMMUNE, INC	201400133	93 855	19,421	
OREGON HEALTH & SCIENCE UNIVERSITY	9006527UCDBARRY	93 855	168,766	
OREGON HEALTH & SCIENCE UNIVERSITY	Sub 9006862	93 855	81,982	
PARTNERS HEALTHCARE SYSTEM, INC	224471	93 855	63,897	
PENNSYLVANIA STATE UNIVERSITY	005552	93 855	62,832	
PENNSYLVANIA STATE UNIVERSITY	4281-UCI-DHHS-9672-cyc5	93 855	656,129	
PENNSYLVANIA STATE UNIVERSITY	5233-UCI-DHHS-0793-cyc1	93 855	3,480	
PENNSYLVANIA STATE UNIVERSITY	Sub 4993-UCSD-DHHS-1692 (AI1111	93 855	22,758	
PROFIL INSTITUTE FOR CLINICAL RESEARCH, INC.	Sub M37-SD-060-0910-4 (AI06864	93 855	(377)	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	HOME: A Comprehensive HIV Test	93 855	(554)	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	UCSF #A122745	93 855	561,714	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	UCSF#A120764	93 855	8,489	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	UCSF#A120960	93 855	38,970	
RAND CORP	9920150090	93 855	32,894	

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RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	8127	93 855	993	
SALK INSTITUTE FOR BIOLOGICAL STUDIES	NIH-SALK/DAVID/54.5%	93 855	(42,785)	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	55648-12651-UCLA	93 855	41,313	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	57659-12538-UCI-CYC2	93 855	14,929	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	7 P01 AI090935-05	93 855	41,286	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	Sub 55648-12640-UCSD (AI090935	93 855	65,266	
SILVER LAKE RESEARCH CORPORATION	036637	93 855	29,405	
SIXAL, INC.	20120004	93 855	52,694	
SIXAL, INC.	20152343	93 855	17,422	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	SSS/NIH 1200065002305 LAKE 5/12 26	93 855	(157)	
ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER	STJOSEPH/NIH 20092736 LA CAVA 04/15	93 855	(130,413)	
STANFORD UNIVERSITY	1U19AI109662-01	93 855	304,636	
STANFORD UNIVERSITY	60230227-104104-A	93 855	107,676	
STANFORD UNIVERSITY	60625362-107582 UCLA	93 855	33,241	
STANFORD UNIVERSITY	60892242-584	93 855	16,767	
STANFORD UNIVERSITY	61048126-117572	93 855	75,128	
STANFORD UNIVERSITY	61097839-48307	93 855	9,634	
SUSTAINABLE SCIENCES INSTITUTE	IR1200-1	93 855	17,147	
TEXAS A&M RESEARCH FOUNDATION	P01AI095208	93 855	313,429	
TEXAS A&M UNIVERSITY - COLLEGE STATION	99-S130607-CYC3	93 855	224,345	
TEXAS BIOMEDICAL RESEARCH INSTITUTE (TEXAS BIOMED)	15-4547-003	93 855	25,527	
THE SCRIPPS RESEARCH INSTITUTE	5-23317	93 855	266,830	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	000397076-014	93 855	502,682	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	000397076-016	93 855	91,840	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	NIH-U ALABAMA/MATHEWS/08/11	93 855	(4,194)	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	SUB 397076-013 (AI067039)	93 855	401,298	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000503356-SP002-01 7	93 855	70,410	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	P30AI027767	93 855	7,543	
TUNITAS THERAPEUTICS	TT/NIH 20104491 ZHANG 12/11 54%	93 855	(4,618)	
UNIVERSITY OF CHICAGO	NIH/UNIV CHICAGO 39778-5-30823 NIZE	93 855	(9,419)	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	FY16.206.002	93 855	198,481	
UNIVERSITY OF CONNECTICUT	UCH641200355	93 855	583,141	
UNIVERSITY OF DELAWARE	38795	93 855	25,097	
UNIVERSITY OF ILLINOIS	2013-00311-01 (AA501)-CYC2	93 855	42,934	
UNIVERSITY OF IOWA	430-40-09A VanBrocklin,H	93 855	9,421	
UNIVERSITY OF MASSACHUSETTS AMHERST	SUB WA00324479/RFS2016020 (AI1	93 855	102,539	
UNIVERSITY OF MINNESOTA	P661628540 PRICE	93 855	(1,194)	
UNIVERSITY OF MINNESOTA	M6616285701	93 855	21,607	
UNIVERSITY OF MINNESOTA	P004756905	93 855	126,886	
UNIVERSITY OF MINNESOTA	P004756918	93 855	123,410	
UNIVERSITY OF MINNESOTA	P004756920	93 855	19,039	
UNIVERSITY OF MINNESOTA	P661628545	93 855	29,986	
UNIVERSITY OF NEBRASKA	34-5319-2002-001-cyc3	93 855	156,466	
UNIVERSITY OF NEBRASKA	F/U NE 34-5319-2002-001 DAVIESJ53.5	93 855	(49,877)	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	14-4256	93 855	1,279	

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UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	1R01AI114310-01	93 855	129,871	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5100230	93 855	28,133	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5103294	93 855	4,144	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5-31534	93 855	269,632	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	531551	93 855	308,404	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5-31553:4	93 855	292,673	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	534272	93 855	223,943	
UNIVERSITY OF PENNSYLVANIA	551334	93 855	15,411	
UNIVERSITY OF PENNSYLVANIA	557199	93 855	87,243	
UNIVERSITY OF PENNSYLVANIA	557758:2	93 855	16,676	
UNIVERSITY OF PENNSYLVANIA	560841	93 855	14,754	
UNIVERSITY OF PENNSYLVANIA	560928	93 855	29,852	
UNIVERSITY OF PENNSYLVANIA	564036	93 855	8,010	
UNIVERSITY OF PENNSYLVANIA	566950	93 855	48,096	
UNIVERSITY OF PENNSYLVANIA	Sub 560574 (AI052845)	93 855	33,714	
UNIVERSITY OF PITTSBURGH	0026281 (123833-11)-cyc2	93 855	78,996	
UNIVERSITY OF ROCHESTER	SUB 415505-G (AI094511)	93 855	75,759	
UNIVERSITY OF SOUTH FLORIDA	6144-1094-00-A	93 855	49,004	
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	5U19 AI070412-09	93 855	41,528	
UNIVERSITY OF WASHINGTON	008046	93 855	12,362	
UNIVERSITY OF WASHINGTON	UWSC7071-cyc1	93 855	120,361	
UNIVERSITY OF WASHINGTON	UWSC7111:2	93 855	63,933	
UNIVERSITY OF WASHINGTON	UWSC8589	93 855	7,387	
UNIVERSITY OF WASHINGTON	WU-16-67-cyc1	93 855	23,176	
UNIVERSITY OF WISCONSIN-MADISON	1UM1AI114271-01	93 855	755,188	
UNIVERSITY OF WISCONSIN-MADISON	363K716	93 855	203,788	
UNIVERSITY OF WISCONSIN-MADISON	446K493	93 855	41,359	
UNIVERSITY OF WISCONSIN-MADISON	SUB 565K025 (AI113580)	93 855	148,726	
UNIVERSITY OF WISCONSIN-MADISON	SUB 627K701 (AI106772)	93 855	199,845	
UPMC	9278	93 855	23,066	
VANDERBILT UNIVERSITY	SUB 2796-018392 (AI110750)	93 855	44,695	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 256304 ZURAW	93 855	(5,300)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA/NIH HOSTETLER 275651 16% 03/08	93 855	(515)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 285261 BEADLE	93 855	514	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 288472 HUANG	93 855	(5,351)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 293125 WOELK	93 855	(1,196)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 293126 LITTLE	93 855	2,034	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA /NIH 307764 GUATELLI 8/13	93 855	(4,001)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 307832 RICHMAN 5/13	93 855	(2,010)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA BELIAKOVA-BETHELL (AI03621	93 855	10,384	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Beliakova-Bethell 312649 (93 855	81,286	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Guatelli 308328 C13A11599	93 855	45,094	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Guatelli 310092 (AI 110162	93 855	11,825	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA GUATELLI 313326 (AI114397	93 855	22,810	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA LOONEY (AI104283)	93 855	2,973	

The accompanying notes are an integral part of this schedule.

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Looney 309176 (AI036214)	93 855	11,770	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA RAMIREZ 316161 (AI081668)	93 855	2,824	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA RICHMAN 302533 (AI096113)	93 855	20,221	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA SINGH 313353 (C13A11599) (93 855	15,270	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA SMITH (AI036214)	93 855	20,156	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA SPINA 302724 (AI096113)	93 855	45,834	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Spina 312650 (AI110162)	93 855	6,453	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Strain 307761 (AI104283)	93 855	6,060	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA STRAIN 311166 (AI036214)	93 855	12,060	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA STRAIN 312547 (AI096113)	93 855	26,551	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA STRAIN 314982 (AI104283)	93 855	45,242	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA WEIBEL (AI036214)	93 855	19,882	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Zuraw 312757 (AI070535)	93 855	19,181	
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	FVA INST 431602-19905MCCLELLND J53	93 855	(56,090)	(56,090)
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-13-77	93 855	6,288	
YALE UNIVERSITY	M11A10961 (A09896)-cyc3	93 855	42,858	
YALE UNIVERSITY	M15A12208 (A10336)	93 855	128,011	
YALE UNIVERSITY	M16A12284(A10454)-cyc1	93 855	116,901	
YALE UNIVERSITY	M16A12357 (A10542)-cyc1	93 855	41,866	
YALE UNIVERSITY	UCSF#A119978	93 855	222,200	
YESHIVA UNIVERSITY	Sub 310479 (AI101436)	93 855	162,811	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	R21AI116218	93 855	143,607	
PARTNERS HEALTHCARE SYSTEM, INC	220299	93 855	7,419	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	58295-12468-UCB	93 855	239,156	
UNIVERSITY OF WASHINGTON	006406	93 855	326,847	
ALTUM, INCORPORATED	Sub 20151237 (NONE)	93 856	17,537	
BRIGHAM AND WOMEN'S HOSPITAL	BWH/NIH SUB 108487 HAUBRICH 55% 201	93 856	(9,767)	
BRIGHAM AND WOMEN'S HOSPITAL	Sub 113091 (AI068636)	93 856	2,970	
DETON CORPORATION	DETON CORP CATANZARO SUB 20130284 (93 856	(14,468)	
DUKE UNIVERSITY	SUB NONE (AI103315)	93 856	2,620	
EMORY UNIVERSITY	Sub T563785 (AI090023)	93 856	31,660	
FLORIDA STATE UNIVERSITY	NIH-FSU/OPELLA/54.5%	93 856	(4,863)	
INTERNATIONAL AIDS VACCINE INITIATIVE INC.	SUB NONE (AI090970)	93 856	32,872	
JOHNS HOPKINS UNIVERSITY	NIH/JHU PTCL01 PO2002244654 SPECTOR	93 856	(250,169)	
SCARLESS LABORATORIES, INC	1R43AR063558-01A1	93 856	88,219	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	FFT SSS(NIH) TASK ORDER 3 SCHOOLEY	93 856	2,856	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	NIH/SSS CRB-DCR01-S-09-00299 IRC004	93 856	1,234	
THE SCRIPPS RESEARCH INSTITUTE	NIH/TSRI 5-23879 WINZELER	93 856	198	
THE SCRIPPS RESEARCH INSTITUTE	Sub 5-52034 (AI186112)	93 856	15,986	
UNIVERSITY OF PENNSYLVANIA	NIH-U PENNSYLVANIA/WOODS/54.5%08/10	93 856	(53,141)	
UNIVERSITY OF PENNSYLVANIA	SUB 552499 (AI082020)	93 856	57,205	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 252308 GUATELLI 3/06	93 856	1,177	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	NIH-VMRF PA WITKE 16% 5/03	93 856	(712)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH WOELK	93 856	(558)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH BLAIR	93 856	1,495	

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VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 286610 SMITH	93 856	(2,854)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 291182 LANDSBERG	93 856	(1,495)	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 293530 GUATELLI	93 856	2,202	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA 308518 Delano-Wood (AG0164	93 856	9,345	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA ADV JAK (AG016495)	93 856	6,932	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA GUATELLI 316286 (AI116194)	93 856	10,493	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Pond 312239 (AI090970)	93 856	2,398	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Singh 306974 (AI081668)	93 856	26,541	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA SINGH 312651 (AI110162)	93 856	8,350	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA SMITH 312237 (AI090970)	93 856	592	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Spina 314064 (AI036214)	93 856	35,260	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA WEIBEL 312366 (AI027763)	93 856	6,673	
VIROGENICS, INC.	VIROGENICS, INC. (NIH R43AI100398)	93 856	(6,950)	
MERCATOR MEDSYSTEMS, INC	MERCATOR OWENS	93 857	(4)	
ADVANCED GENETIC SYSTEMS, INC.	1R41GM115250-01	93 859	28,364	
AKONNI BIOSYSTEMS	Sub 8056.1.A (R44GM103053)	93 859	7,048	
AMERICAN SOCIETY FOR CELL BIOLOGY	AMERICAN SOCIETY FOR CELL BIOL-2014	93 859	2,923	
ARIZONA STATE UNIVERSITY/TEMPE	12-848-003A	93 859	6,623	
ARIZONA STATE UNIVERSITY/TEMPE	1R01GM100471-01 12841	93 859	30,164	
ARIZONA STATE UNIVERSITY/TEMPE	SUB 15-695 (GM106081)	93 859	25,058	
ARIZONA STATE UNIVERSITY/TEMPE	SUB 16-798 (GM113967)	93 859	181,184	
CALIFORNIA INSTITUTE OF TECHNOLOGY	68-1095554	93 859	19,775	
CALIFORNIA INSTITUTE OF TECHNOLOGY	SUB 1089976 (GM094610)	93 859	(565)	
CALIFORNIA INSTITUTE OF TECHNOLOGY	SUB 68C-1093852 (GM094610)	93 859	(38,374)	
CALIFORNIA INSTITUTE OF TECHNOLOGY	Sub 82-1094663 (GM070923)	93 859	43,747	
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	NIH GM095384/SDSU 56586A/CONRAD 54.	93 859	(4,831)	
CARNEGIE INSTITUTION	6-10375-01	93 859	41,292	
CHILDREN'S HOSPITAL AND RESEARCH CENTER AT OAKLAND	12_8036_UCB_01	93 859	108,916	
CHILDREN'S HOSPITAL AND RESEARCH CENTER AT OAKLAND	12_8036_UCLA_01	93 859	475,598	
CHILDREN'S HOSPITAL AND RESEARCH CENTER AT OAKLAND	12_8036_UCSF_01	93 859	178,655	
CHILDREN'S HOSPITAL AND RESEARCH CENTER AT OAKLAND	1R01GM109030-01	93 859	82,678	
CHILDREN'S HOSPITAL OF LOS ANGELES	P2012-0274:A3	93 859	17,406	
COLORADO STATE UNIVERSITY	G-35013-1	93 859	294,683	
COLUMBIA UNIVERSITY	1 (GG007543)-cyc4	93 859	37,972	
COLUMBIA UNIVERSITY	1(GG008102)	93 859	16,840	
COLUMBIA UNIVERSITY	1GG009648	93 859	13,236	
CORNELL UNIVERSITY	69800-10240	93 859	98,865	
CSU SAN MARCOS/UNIVERSITY AUXILIARY & RESEARCH SERVICES CORPORATION	2R01GM075316	93 859	70,144	
DANA-FARBER CANCER INSTITUTE	1260002	93 859	63,508	
DARTMOUTH COLLEGE	006706	93 859	28,909	
DUKE UNIVERSITY	2034849-cyc1	93 859	18,807	
EMORY UNIVERSITY	SubT445706 (GM114612)	93 859	62,061	
ENDOCRINE SOCIETY, THE	Sub 10001 (GM095349)	93 859	7,345	
FRED HUTCHINSON CANCER RESEARCH CENTER	0000855720	93 859	9,885	
GEORGIA STATE UNIVERSITY	GSU SP0012346-04 POWERS 2/17	93 859	25,603	

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				Total Federal Expenditures	Pass-Through to Subrecipients
INDIANA UNIVERSITY	BL-4635304-UCD	93	859	2,995	
JACKSON LABORATORY, THE	20133882:1	93	859	(4,965)	
JOHNS HOPKINS UNIVERSITY	R01AR064066	93	859	63	
LEIDOS BIOMEDICAL RESEARCH, INC.	29XS133TO15	93	859	86,378	
LOS ALAMOS NATIONAL SECURITY, LLC	205716-1:4	93	859	271,387	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Sub 5710003747 (GM082209)	93	859	151,100	
MEDICAL COLLEGE OF WISCONSIN	A00-0434-004	93	859	55,015	
MEDICAL COLLEGE OF WISCONSIN	SUB NONE (GM094503)	93	859	(275)	
MODULATED IMAGING, INC.	MI-50912-cyc4	93	859	9,703	
NANOCELLECT BIOMEDICAL, INC.	20130370	93	859	120,399	
NEOVATIVE, INC.	NV002-cyc1	93	859	44,124	
NEW MEXICO CONSORTIUM, INC.	Sub NMC158-01 (GM105608)	93	859	49,054	
NEW YORK UNIVERSITY	005857	93	859	58,684	
NORTH CAROLINA STATE UNIVERSITY	Sub none (GM093939)	93	859	71,828	
NORTHWESTERN UNIVERSITY	SP0029368-PROJ0007727-cyc1	93	859	56,411	
OHIO STATE UNIVERSITY	60029134 UCLA:03	93	859	13,810	
PURDUE UNIVERSITY	4102-59359:01	93	859	7,099	
ROCKEFELLER UNIVERSITY	1P41GM109824-01	93	859	369,502	
ROCKEFELLER UNIVERSITY	1R01GM112108-01A1	93	859	91,419	
ROCKEFELLER UNIVERSITY	7R01GM107124-02	93	859	34,223	
ROCKEFELLER UNIVERSITY	PRIME:U01GM098256	93	859	5,389	
ROCKEFELLER UNIVERSITY	UCSF#A118457	93	859	4,603	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	5398-CYC1	93	859	18,688	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	RUTGERS UNIVERSITY	93	859	1,138	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	55631-11502-UCSD-04 (GM094663)	93	859	1,647	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	56344-11738-UCSD-01 (GM098412)	93	859	311,079	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	56344-11964 UCSD-01 (GM098412)	93	859	78,134	
SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	56863-11900-UCI-cyc6	93	859	75,787	
ST. JUDE CHILDREN'S RESEARCH HOSPITAL	112156010-7660158	93	859	61,009	
STANFORD UNIVERSITY	5U19GM106990-02	93	859	250,620	
STANFORD UNIVERSITY	60411189-38890-C	93	859	23,064	
STANFORD UNIVERSITY	60544676-109623	93	859	108,940	
STANFORD UNIVERSITY	60684362-112326:1	93	859	445,521	
STANFORD UNIVERSITY	60910571111755	93	859	20,544	
STANFORD UNIVERSITY	61000019-469	93	859	102,635	
STANFORD UNIVERSITY	61124790-121581	93	859	72,500	
STANFORD UNIVERSITY	SUB 60133681 (GM102098)	93	859	111,298	
STANFORD UNIVERSITY	Sub 61004648-39087 (GM083118)	93	859	145,625	
STANFORD UNIVERSITY	SUB 61009649-108979 (GM106990)	93	859	330,743	
TEMPLE UNIVERSITY	Sub 258162UC (GM110749)	93	859	20,757	
TEXAS A&M RESEARCH FOUNDATION	SUB S140266 (GM052964)	93	859	17,012	
TEXAS A&M UNIVERSITY - COLLEGE STATION	TEXAS A&M MOLINSKI	93	859	(3,199)	
THE SCRIPPS RESEARCH INSTITUTE	Sub 5-50085 (GM100934)	93	859	49,116	
THE SCRIPPS RESEARCH INSTITUTE	SUB 5-50246 (GM094586)	93	859	15,383	
THE SCRIPPS RESEARCH INSTITUTE	Sub 5-50419 (GM105766)	93	859	36,755	

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		Federal CFDA Number	Total Federal Expenditures	
THE SCRIPPS RESEARCH INSTITUTE	Sub PO 5-52584 (GM056006)	93 859	102,209	
UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO	201402451	93 859	14,699	
UNIVERSITY OF ARIZONA	U OF AZ/NIH PRION PRPGTN SINDI 8/16	93 859	30,098	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	FY15.726.002	93 859	81,791	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	UCSF#A124303	93 859	251,722	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	UCSF#A124403	93 859	169,079	
UNIVERSITY OF FLORIDA	International Clinics on Infec	93 859	1,852	
UNIVERSITY OF FLORIDA	UFDSP00010870:1	93 859	121,373	
UNIVERSITY OF FLORIDA	UFDSP00010901	93 859	33,545	
UNIVERSITY OF ILLINOIS	2009-01303-03	93 859	1	
UNIVERSITY OF ILLINOIS	2010-00365-05	93 859	660,281	
UNIVERSITY OF KANSAS/KU CENTER FOR RESEARCH, INC.	QL814631-CYC1	93 859	8,681	
UNIVERSITY OF KANSAS/KU CENTER FOR RESEARCH, INC.	QL859695	93 859	(69)	
UNIVERSITY OF MASSACHUSETTS SYSTEM	RFS2015073	93 859	105,828	
UNIVERSITY OF MIAMI	7R01GM08520502	93 859	61,494	
UNIVERSITY OF MICHIGAN	3002447196	93 859	10,374	
UNIVERSITY OF MICHIGAN	3003206498	93 859	17,148	
UNIVERSITY OF MICHIGAN	3003707885	93 859	83,207	
UNIVERSITY OF MICHIGAN	A16-0292-001	93 859	45,036	
UNIVERSITY OF MICHIGAN	SUB 3001689311 (GM096194)	93 859	(201)	
UNIVERSITY OF MICHIGAN	Sub 3003094979 (GM094503)	93 859	105,956	
UNIVERSITY OF MICHIGAN	Sub 3003490309 (GM078553)	93 859	52,766	
UNIVERSITY OF MINNESOTA	N002311201 (GM100310)	93 859	110,441	
UNIVERSITY OF MINNESOTA	SUB 0904509601 (GM110129)	93 859	75,408	
UNIVERSITY OF MISSISSIPPI	66100920513	93 859	14,377	
UNIVERSITY OF PENNSYLVANIA	562336-cyc3	93 859	15,589	
UNIVERSITY OF PENNSYLVANIA	FDP-UPENN/NIH 557821 OLCESE 5/15 54	93 859	234	
UNIVERSITY OF PITTSBURGH	0019692 (124457-6)	93 859	592	
UNIVERSITY OF SOUTHERN CALIFORNIA	38602638:2	93 859	46,598	
UNIVERSITY OF SOUTHERN CALIFORNIA	SUB 41872741 (GM056006)	93 859	39,220	
UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 63581583 (GM094618)	93 859	24,602	
UNIVERSITY OF TEXAS-AUSTIN	SUB uta15-000328 (GM111926)	93 859	120,832	
UNIVERSITY OF TEXAS-AUSTIN	Sub UTA16-000010 (GM104876)	93 859	29,188	
UNIVERSITY OF VIRGINIA	GC12130 139092:04	93 859	52,033	
UNIVERSITY OF WASHINGTON	UWSC8727	93 859	1,766	
UNIVERSITY OF WASHINGTON	UWSC8745	93 859	127,239	
VALITOR, INC.	2489-018400	93 859	340	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 294962 SCHULTEIS 3/11	93 859	287	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF/NIH 294960 P.PATEL 4/11	93 859	6,837	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA ADV HEAD (GM 085179)	93 859	6,344	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA ADV PATEL (GM085179)	93 859	9,221	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA ADV PEARN (GM085179)	93 859	1,618	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA HEAD 307635 (GM085179)	93 859	19,020	
VIRGINIA COMMONWEALTH UNIVERSITY	PD303431-SC105094 (GM109895)	93 859	99,309	
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-HT-12-15-MOD-3	93 859	3,518	

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YALE UNIVERSITY	C15A12298	93 859	53,985
YESHIVA UNIVERSITY	310591	93 859	318,147
YESHIVA UNIVERSITY	9-526-5266	93 859	(2,529)
CORNELL UNIVERSITY	A00-0525-003	93 859	33,755
THOMAS JEFFERSON UNIVERSITY	080-18060-S10301-002	93 859	(7,658)
SAN DIEGO COMMUNITY COLLEGE DISTRICT	Sub none (GM073590)	93 862	48,578
THE SCRIPPS RESEARCH INSTITUTE	NIH-TSRI / ABAGYAN	93 862	(193)
UNIVERSITY OF VIRGINIA	NIH-U OF VIRGINIA/KLEMKE/54.5%/7-09	93 862	(10,858)
UNIVERSITY OF MIAMI	66619X:6	93 864	(149)
ARKANSAS CHILDREN'S HOSPITAL RESEARCH INSTITUTE	034586	93 865	29,690
BATTELLE MEMORIAL INSTITUTE	442772	93 865	109,506
BAYLOR COLLEGE OF MEDICINE	5600716512:03	93 865	368,186
BOSTON UNIVERSITY	4500001209	93 865	7,992
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	512J P3531 7802 211 (HD047736)	93 865	30,232
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	NICHHD-SDSURF/GOLLAN/54.5%/07/08	93 865	(183)
CHILDREN'S HOSPITAL CORP. (THE), BOSTON, MASS.	R01HD074261	93 865	27,253
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	130474	93 865	92,876
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	130474-CLEMENS	93 865	(7,549)
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	130474-MENDELSON	93 865	108,839
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	130474 (HD000850)	93 865	(18,473)
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	134198	93 865	33,228
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	136763	93 865	73,479
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	5K12HD000850-30	93 865	99,023
CHILDREN'S HOSPITAL OF LOS ANGELES	8011-RGF009152-00-2	93 865	917
CHILDREN'S HOSPITAL OF PHILADELPHIA	3017X-cyc2	93 865	221,215
CHILDREN'S HOSPITAL OF PHILADELPHIA	3210050618	93 865	11,382
CHILDREN'S HOSPITAL OF PITTSBURGH	0026567 1 19337-01 (HD064407)	93 865	2,046
CHILDREN'S NATIONAL MEDICAL CENTER	CRI/NIH 300005201204 WONG 8/14 54%	93 865	(13,470)
CORNELL UNIVERSITY	15101696-03	93 865	22,672
DREXEL UNIVERSITY	DREXEL UNIVERSITY (78666)	93 865	33
DUKE UNIVERSITY	Sub 197946 215519 (HD 076676)	93 865	2,614
DUKE UNIVERSITY	SUB NONE (HD081044)	93 865	11,032
EMORY UNIVERSITY	EU-S903312-DAHL-5/14	93 865	3,501
FLINT REHABILITATION DEVICES	55769-cyc1	93 865	148,550
FLINT REHABILITATION DEVICES	FRD-200966-cyc1	93 865	15,521
FLORIDA INTERNATIONAL UNIVERSITY	800002699-02	93 865	(148)
FLORIDA STATE UNIVERSITY	R01776	93 865	52,761
GEORGE WASHINGTON UNIVERSITY	UCSF#A121694	93 865	158,530
GEORGIA INSTITUTE OF TECHNOLOGY	RG230-G1	93 865	144,229
GLYCOHUB, INC.	201500220	93 865	49,694
HARVARD UNIVERSITY	114074.0782	93 865	4,262
HARVARD UNIVERSITY	114074.0830.5041149 (HD052102)	93 865	(99,768)
HARVARD UNIVERSITY	114074.0928.5041147 (HD052102)	93 865	(6,152)
HARVARD UNIVERSITY	114074.1079.5048379	93 865	43,950
HARVARD UNIVERSITY	114205-1179-5096789:1	93 865	84,876

The accompanying notes are an integral part of this schedule.

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
HARVARD UNIVERSITY	152188.5052439.0004	93 865	51,882	
HARVARD UNIVERSITY	Sub 114205-1128-5096796 AMP (H	93 865	384,146	
HARVARD UNIVERSITY	Sub 114205-1130-5096798 SMARTT	93 865	518,281	
HASKINS LABORATORIES, INC	R01HD065794	93 865	32,795	
HASKINS LABORATORIES, INC	UCSF#A123134	93 865	32,377	
HENRY FORD HEALTH SYSTEM	87645	93 865	69,866	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0254-3514-4609	93 865	22,629	
JOHNS HOPKINS UNIVERSITY	2002294060	93 865	74,139	
JOHNS HOPKINS UNIVERSITY	2002295012:1	93 865	257,073	
JOHNS HOPKINS UNIVERSITY	2002432331	93 865	8,197	
MAGEE-WOMENS HOSPITAL, RESEARCH INSTITUTE AND FOUNDATION	2618	93 865	302,894	
MAGEE-WOMENS HOSPITAL, RESEARCH INSTITUTE AND FOUNDATION	MAGEE WOMENS HOSP/NIH 7279 ANTON 8/	93 865	(177)	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	63112599	93 865	56,157	
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	SUB NONE (HD031476)	93 865	11,325	
MU-JHU CARE LIMITED	R01HD080476	93 865	59,013	
NATIONWIDE CHILDREN'S HOSPITAL	30000744-06:5	93 865	43,378	
NATIONWIDE CHILDREN'S HOSPITAL	30002425-05	93 865	171,663	
NEW YORK UNIVERSITY	F7432-01-cyc4	93 865	75,469	
NORTHWESTERN UNIVERSITY	60032241 UCI-cyc4	93 865	10,175	
OREGON HEALTH & SCIENCE UNIVERSITY	9009028_UCLA:3	93 865	264,409	
RTI INTERNATIONAL	0212456:07	93 865	150,086	
RTI INTERNATIONAL	2-312-0214493-52064L	93 865	36,429	
RTI INTERNATIONAL	SUB HD069031 (HD054214)	93 865	586,046	556,975
RTI INTERNATIONAL	Sub none (HD036790)	93 865	371	
SALK INSTITUTE FOR BIOLOGICAL STUDIES	NIH-SALK/SEMENDEFER/54.5/2/12	93 865	(2,409)	
SALK INSTITUTE FOR BIOLOGICAL STUDIES	NIH-SALK INST PO52446 HALGREN	93 865	(811)	
SCINTILLON INSTITUTE	22026-206-450-cyc1	93 865	528	
SEATTLE CHILDREN'S HOSPITAL, RESEARCH AND FOUNDATION	10889SUB:01	93 865	7,309	
SEATTLE CHILDREN'S HOSPITAL, RESEARCH AND FOUNDATION	11305SUB	93 865	38,090	
SEQUOIA FOUNDATION	9098 UCSF FY15-16	93 865	17,400	
STANFORD UNIVERSITY	1R21HD079095-01A1	93 865	19,493	
STANFORD UNIVERSITY	60116704-105015-B	93 865	9,871	
STANFORD UNIVERSITY	STANFORD UNIVERSITY-ADVANCE	93 865	31,802	
STATE UNIVERSITY OF NEW YORK	R839463	93 865	11,210	
STELLENBOSCH UNIVERSITY	S004190 / 55811	93 865	55,488	
STELLENBOSCH UNIVERSITY	Sub S004189 (R01HD083042	93 865	115,966	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	0003388010-008:6	93 865	47,528	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	000388010-002	93 865	93,113	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	000388010-019 (HD040533)	93 865	12,839	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	000388010-056	93 865	21,412	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	Sub 000342391-014 (HD061222)	93 865	22,476	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	Sub 000504713-012 (HD061222)	93 865	5,781	
TULANE UNIVERSITY	SUB TUL-HSC-553714-15/16 (HD52	93 865	3,444	
TULANE UNIVERSITY	Sub TUL-HSC-553718-15/16 (HD05	93 865	13,766	
TULANE UNIVERSITY	TUL-HSC-553703-15/16	93 865	19,837	

The accompanying notes are an integral part of this schedule.

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
TULANE UNIVERSITY	TUL-HSC-553716-15/16	93 865	17,451	
UNIVERSITY OF CAMBRIDGE	RAS-CAM/NIH RG78257 LUEDERS 05/17 5	93 865	63,688	
UNIVERSITY OF CHICAGO	FP036878-03-cyc2	93 865	157,421	
UNIVERSITY OF COLORADO DENVER	FY15.366.001-cyc1	93 865	214,251	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	14-036-002:2	93 865	203,560	
UNIVERSITY OF ILLINOIS	2010064230300	93 865	6,655	
UNIVERSITY OF KANSAS/KU CENTER FOR RESEARCH, INC.	FY2014-014-M2:2	93 865	77,649	
UNIVERSITY OF MARYLAND, BALTIMORE	1500173	93 865	159,196	
UNIVERSITY OF MICHIGAN	3002531057	93 865	82,656	
UNIVERSITY OF MICHIGAN	3002797878:2	93 865	37,619	
UNIVERSITY OF MICHIGAN	3003317170-cyc2	93 865	58,412	
UNIVERSITY OF MICHIGAN	3003525385	93 865	12,072	
UNIVERSITY OF MICHIGAN	NIH-U MICHIGAN/NAGER/06/11	93 865	(10,457)	
UNIVERSITY OF MICHIGAN	Sub 3002375941 (HD033487)	93 865	31,115	
UNIVERSITY OF NOTRE DAME (INCL GEM)	202180UCD	93 865	57,539	
UNIVERSITY OF OKLAHOMA	RS20130769-05	93 865	7,045	
UNIVERSITY OF PENNSYLVANIA	567200/10051438/16377	93 865	16,043	
UNIVERSITY OF PITTSBURGH	0026212 (124361-3)	93 865	201,926	
UNIVERSITY OF PITTSBURGH	0026567(119337-02)	93 865	52,929	
UNIVERSITY OF PITTSBURGH	0048860 (126874-1)	93 865	13,792	
UNIVERSITY OF PITTSBURGH	0013027(122144-2):6	93 865	29,250	
UNIVERSITY OF SOUTHERN CALIFORNIA	111697-cyc14	93 865	54,140	
UNIVERSITY OF SOUTHERN CALIFORNIA	60664307	93 865	64,841	
UNIVERSITY OF TEXAS-SOUTHWESTERN MEDICAL CENTER AT DALLAS	006993	93 865	490,635	
UNIVERSITY OF THE WITWATERSRAND	Innovations in HIV testing to	93 865	2,637	
UNIVERSITY OF UTAH	20140880	93 865	2,416	
UNIVERSITY OF UTAH	K12HD047349	93 865	(551)	
UNIVERSITY OF UTAH	Sub 10034455-UCSD-HALGREN (HD0	93 865	28,724	
UNIVERSITY OF WASHINGTON	720069-cyc6	93 865	40,170	
VANDERBILT UNIVERSITY	1973-013635	93 865	1,272	
VANDERBILT UNIVERSITY	3176-013636	93 865	95,000	
WASHINGTON STATE UNIVERSITY	104536G002848	93 865	2,969	
WASHINGTON STATE UNIVERSITY	104536-G003490	93 865	134,581	
WASHINGTON UNIVERSITY IN ST. LOUIS	1R01HD078641-01A1	93 865	9,517	
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-15-73	93 865	20,153	
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-16-139	93 865	126,082	
WAYNE STATE UNIVERSITY	WSU11032	93 865	17,163	
WAYNE STATE UNIVERSITY	WSU16014	93 865	58,435	
WITS HEALTH CONSORTIUM (PTY) LIMITED	D1404360-01	93 865	23,169	
WRIGHT STATE UNIVERSITY	Sub None (HD059969)	93 865	25,557	
YALE UNIVERSITY	2U10HD055925-06	93 865	(43,893)	
YALE UNIVERSITY	M14A11918(A10192)	93 865	2,553	
YALE UNIVERSITY	M14A12052 (A10192)	93 865	7,800	
YALE UNIVERSITY	M15A12144 (A10236)	93 865	12,131	
YALE UNIVERSITY	M15A12257	93 865	34,749	

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		Federal CFDA Number	Total Federal Expenditures
YESHIVA UNIVERSITY	310897	93 865	69,306
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	1R01HD07812701	93 865	142,539
STANFORD UNIVERSITY	A14-0009-002	93 865	35,459
STANFORD UNIVERSITY	A16-0544-001	93 865	61,482
AFASCI, INC.	201224712	93 866	(54)
AMERICAN FEDERATION-AGING RESEARCH	UCSF #A124460	93 866	8,173
AMYDIS DIAGNOSTICS	Sub 20162223 (R43AG050454)	93 866	20,251
BETH ISRAEL DEACONESS MEDICAL CENTER	Sub 01026387 (AG041869)	93 866	10,610
BOSTON UNIVERSITY	BOSTON UNIVERSITY; 9500301286	93 866	221,967
BOSTON UNIVERSITY	4500001840	93 866	75,251
BRIGHAM AND WOMEN'S HOSPITAL	111014:3	93 866	151,945
BROWN UNIVERSITY	00000843	93 866	38,033
BROWN UNIVERSITY	R01AG051170	93 866	31,698
BUCK INSTITUTE FOR RESEARCH ON AGING	2049	93 866	147,673
BUCK INSTITUTE FOR RESEARCH ON AGING	SA31100	93 866	66,624
CALIFORNIA PACIFIC MEDICAL CENTER RESEARCH INSTITUTE	2803226-S140	93 866	123,313
CALIFORNIA PACIFIC MEDICAL CENTER RESEARCH INSTITUTE	2803227-S141	93 866	147,182
CALIFORNIA PACIFIC MEDICAL CENTER RESEARCH INSTITUTE	2803232-S153	93 866	106,377
COLUMBIA UNIVERSITY	2(GGO10471)-cyc1	93 866	265,547
DIAMIR, LLC	Sub 20152707 (AG044860)	93 866	32,608
DUKE UNIVERSITY	2035220	93 866	10,356
DUKE UNIVERSITY	2039361	93 866	8,778
EMORY UNIVERSITY	T498827:2	93 866	114,563
FRED HUTCHINSON CANCER RESEARCH CENTER	SUB 795124 (AG032699)	93 866	13,875
FRED HUTCHINSON CANCER RESEARCH CENTER	Sub 843415 (AG 048209)	93 866	29,936
GLADSTONE INSTITUTES	Sub R01709-A (AG011385)	93 866	51,825
GROUP HEALTH COOPERATIVE	SUB 2015168560 (AG006781)	93 866	228,649
HARVARD UNIVERSITY	116528-5061518:2	93 866	21,735
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	025498934609	93 866	85,398
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	025499214609	93 866	70,992
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	ICAHN SCHOOL OF MEDICINE AT MO-ADVA	93 866	53,314
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	MOUNT SINAI SCHOOL OF MED 025499214	93 866	64,108
INDIAN HEALTH COUNCIL, INC.	NIH-IHCI/WINGARD/26%	93 866	10,627
INDIAN HEALTH COUNCIL, INC.	NIH-IHCI/WINGARD/26%	93 866	(10,624)
INDIAN HEALTH COUNCIL, INC.	Sub none (HS008101)	93 866	13,526
INSTITUTE FOR MOLECULAR MEDICINE, INC. (CALIFORNIA)	UCI-2015-200641-cyc1	93 866	93,928
INSTITUTE FOR MOLECULAR MEDICINE, INC. (CALIFORNIA)	UCI-2015-200642-cyc1	93 866	153,435
JOHNS HOPKINS UNIVERSITY	2002476658	93 866	24,834
JOHNS HOPKINS UNIVERSITY	JOHNS HOPKINS U (NIH AG042187) ZHAN	93 866	(839)
MASSACHUSETTS GENERAL HOSPITAL	224849:2	93 866	12,909
MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	63788300	93 866	710,666
MEDICAL TECHNOLOGY & PRACTICE PATTERNS INSTITUTE	MTPPIUCD001	93 866	10,875
MINNEAPOLIS MEDICAL RESEARCH FOUNDATION	07292-2	93 866	68,555
NATIONAL BUREAU OF ECONOMIC RESEARCH, INC	33-4135-06-UCB	93 866	45,101
NATIONAL BUREAU OF ECONOMIC RESEARCH, INC	84-4008-13-UCLA:1	93 866	172,434

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				Total Federal Expenditures	Pass-Through to Subrecipients
NATIONAL BUREAU OF ECONOMIC RESEARCH, INC	UCSF-33-4118-08 FANG	93	866	323	
NATIONAL OPINION RESEARCH CENTER	5845-UCLA:03	93	866	38,515	
NEW YORK UNIVERSITY	13-A1-00-000091-01-CYC2	93	866	2,463	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	1521:5	93	866	203	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	1569	93	866	102,806	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	1572	93	866	628,242	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	1578	93	866	292,904	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	1579-CYC2	93	866	28,654	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	SUB 1566 (AG024904)	93	866	1,845,765	1,121,393
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	WEI1908	93	866	33,716	
OREGON STATE UNIVERSITY	P0355A-A:3	93	866	(185)	
PACIFIC HEALTH RESEARCH AND EDUCATION INSTITUTE	Sub 21304 (AG046871)	93	866	27,175	
PACIFIC HEALTH RESEARCH AND EDUCATION INSTITUTE	SUB PHREI-21401 (AG046614)	93	866	17,451	
PALO ALTO VETERANS INSTITUTE FOR RESEARCH, INC.	LEE0002-02-cyc1	93	866	88,634	
PARK NICOLLET INSTITUTE	1R21AG046571-01	93	866	3,882	
PEKING UNIVERSITY	1520801	93	866	43,401	
PENNSYLVANIA STATE UNIVERSITY	5084-UCI-UWM-K941-CYC1	93	866	4,960	
PENNSYLVANIA STATE UNIVERSITY	UH2AG052167	93	866	17,512	
PRINCETON UNIVERSITY	Sub0000086 (AG024361)	93	866	3,919	
RAND CORP	9920150099	93	866	21,668	
SCRIPPS RESEARCH INSTITUTE (FLORIDA)	007510	93	866	119,099	
STANFORD UNIVERSITY	Sub 61089692-112006 (AG047366)	93	866	31,582	
SUTTER WEST BAY HOSPITALS	007915	93	866	20,367	
THE SCRIPPS RESEARCH INSTITUTE	SCRIPPS RI SUB 5-0043 (AG031097) MA	93	866	(82)	
THE SCRIPPS RESEARCH INSTITUTE	TSRI/ 5-50172/ SAH	93	866	(67,399)	
THE SCRIPPS RESEARCH INSTITUTE	SUB 5-50699 (AG007996)	93	866	239,128	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	000410331-004	93	866	44,467	
TUFTS UNIVERSITY	Sub 5005009-SERV (AG027002)	93	866	4,179	
UNIVERSITY OF ARIZONA	306302	93	866	10,387	
UNIVERSITY OF ARIZONA	310311	93	866	315,912	
UNIVERSITY OF ARIZONA	Y561548	93	866	130,367	
UNIVERSITY OF CHICAGO	UNIVERSITY OF CHICAGO 42038A	93	866	141,033	
UNIVERSITY OF CHICAGO	FP056715-C	93	866	151,341	
UNIVERSITY OF MIAMI	K01AG047273	93	866	9,693	
UNIVERSITY OF MICHIGAN	3002312638	93	866	39,760	
UNIVERSITY OF MICHIGAN	3002601380:4	93	866	35,972	
UNIVERSITY OF MICHIGAN	3003282032	93	866	15,611	
UNIVERSITY OF MICHIGAN	3003282033	93	866	59,166	
UNIVERSITY OF MICHIGAN	3003622799-cyc1	93	866	15,317	
UNIVERSITY OF PENNSYLVANIA	557804	93	866	4,005	
UNIVERSITY OF PENNSYLVANIA	559717	93	866	11,116	
UNIVERSITY OF PENNSYLVANIA	566604	93	866	21,821	
UNIVERSITY OF PENNSYLVANIA	UNIVERSITY OF PENNSYLVANIA BARRETT-	93	866	22,044	
UNIVERSITY OF PENNSYLVANIA	UNIVERSITY OF PENNSYLVANIA BARRETT-	93	866	8,684	
UNIVERSITY OF PENNSYLVANIA	Sub 5 52206 (AG030644)	93	866	24,232	

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		Federal CFDA Number	Total Federal Expenditures	
UNIVERSITY OF PITTSBURGH	0046842 (126362-2)	93 866	18,453	
UNIVERSITY OF PITTSBURGH	UNIVERSITY OF PITTSBURGH 0012200(1196	93 866	143,434	
UNIVERSITY OF PITTSBURGH	Sub 0030451 (123192) (NS081041	93 866	97,092	
UNIVERSITY OF PUERTO RICO	1R1MH102025-01A1	93 866	10,214	
UNIVERSITY OF SOUTHERN CALIFORNIA	005075	93 866	72,822	
UNIVERSITY OF SOUTHERN CALIFORNIA	149740:5	93 866	101,607	
UNIVERSITY OF SOUTHERN CALIFORNIA	46832931	93 866	39,104	
UNIVERSITY OF SOUTHERN CALIFORNIA	54096768:01	93 866	62,965	
UNIVERSITY OF SOUTHERN CALIFORNIA	54826553	93 866	325,614	
UNIVERSITY OF SOUTHERN CALIFORNIA	70220892	93 866	23,407	
UNIVERSITY OF SOUTHERN CALIFORNIA	H40302 KRAMER	93 866	(954)	
UNIVERSITY OF SOUTHERN CALIFORNIA	CTAADNI029-cyc1	93 866	30,988	
UNIVERSITY OF SOUTHERN CALIFORNIA	CTAADNI035	93 866	285	
UNIVERSITY OF SOUTHERN CALIFORNIA	CTAADNI073	93 866	38,739	
UNIVERSITY OF SOUTHERN CALIFORNIA	CTAADNI116	93 866	5,810	
UNIVERSITY OF SOUTHERN CALIFORNIA	CTAADNI128-cyc1	93 866	37,938	
UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 71082543(AG041845)	93 866	37,040	
UNIVERSITY OF WASHINGTON	762196-CYC1	93 866	26,906	
UNIVERSITY OF WASHINGTON	762197	93 866	52,918	
UNIVERSITY OF WASHINGTON	762200	93 866	25,995	
UNIVERSITY OF WASHINGTON	Sub 750427 (HL077863)	93 866	(83,852)	
UNIVERSITY OF WASHINGTON	Sub 752710 (AG16976)	93 866	25,981	
UNIVERSITY OF WISCONSIN-MADISON	552K720	93 866	29,795	
UNIVERSITY OF WISCONSIN-MADISON	552K731	93 866	567,310	
UNIVERSITY OF WISCONSIN-MADISON	674K660	93 866	4,008	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Bondi (AG016495)	93 866	6,150	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Bryan 308279 (AG007996)	93 866	12,819	
WAKE FOREST UNIVERSITY	SUB 110918 (AG044325)	93 866	22,342	
WAKE FOREST UNIVERSITY	SUB WFUHS 110656 (AG041845)	93 866	235,281	65,975
WASHINGTON UNIVERSITY IN ST. LOUIS	WASHINGTON UNIVERSITY, (ST. LOUIS,	93 866	141	
WASHINGTON UNIVERSITY IN ST. LOUIS	SUB WU-13-193 (AG032438) AISEN	93 866	(64,838)	8,462
WASHINGTON UNIVERSITY IN ST. LOUIS	WASHINGTON UNIV WU-14-48 GALASKO	93 866	(14,814)	
WASHINGTON UNIVERSITY IN ST. LOUIS	Sub WU-14-333 (AG032438)	93 866	161,337	
WASHINGTON UNIVERSITY IN ST. LOUIS	Sub WU-15-135 (AG049369)	93 866	1,128,480	
WASHINGTON UNIVERSITY IN ST. LOUIS	WI-14-321:1	93 866	(126,649)	
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-15-155	93 866	36,622	
WILLIAM BEAUMONT HOSPITAL	100-2986794	93 866	31,068	
XOMA CORPORATION	XOMA MARKS	93 866	1,388	
INNOSENSE LLC	IS-201510-CYC1	93 866	29,614	
AEON IMAGING, LLC	036273	93 867	15,959	
AUGUSTA UNIVERSITY	27838A01	93 867	18,234	
BAYLOR COLLEGE OF MEDICINE	101991062-CYC1	93 867	132,700	
BAYLOR COLLEGE OF MEDICINE	BAYLOR COLLEGE OF MEDICINE SUB 1016	93 867	54	
BAYLOR COLLEGE OF MEDICINE	SUB 101835646 (EY016525)	93 867	81,133	
CALADRIUS BIOSCIENCES, INC.	CBI-202725-cyc1	93 867	36,157	

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UNIVERSITY OF CALIFORNIA
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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
CALIFORNIA INSTITUTE OF TECHNOLOGY	21B-1094432:1	93 867	57,340	
CARNEGIE MELLON UNIVERSITY	1090339-274246:3	93 867	86,766	
CASE WESTERN RESERVE UNIVERSITY	CWRU/NIH EY016482 ALDAVE 3/9 50%	93 867	3,407	
CASE WESTERN RESERVE UNIVERSITY	Sub RES507959 (EY023196)	93 867	141,770	
CEDARS-SINAI MEDICAL CENTER	0001135026	93 867	10,332	
CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	131035	93 867	137,969	
CHILDREN'S HOSPITAL OF PHILADELPHIA	R01EY021137	93 867	1,092	
COLUMBIA UNIVERSITY	1 (GG006490)-cyc3	93 867	120,883	
CORNELL UNIVERSITY	11091561	93 867	80,538	
EYENUK LLC	20141489	93 867	34,731	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	1U10EY024526-01	93 867	30,758	
JAEB CENTER FOR HEALTH RESEARCH, INC.	06002685	93 867	5,758	
JAEB CENTER FOR HEALTH RESEARCH, INC.	JCHR/NIH 04022900 SCHWARTZ 12/9 54%	93 867	(11,750)	
JAEB CENTER FOR HEALTH RESEARCH, INC.	0EY020797-01A1 ROSE-NUSSBAUMER	93 867	3,491	
JAEB CENTER FOR HEALTH RESEARCH, INC.	U10EY11751	93 867	9,183	
JOHNS HOPKINS UNIVERSITY	2000011278/95351	93 867	42,477	
JOHNS HOPKINS UNIVERSITY	2001653080:5	93 867	31,170	
JOHNS HOPKINS UNIVERSITY	2002473559	93 867	1,809	
JOHNS HOPKINS UNIVERSITY	2002507432	93 867	427	
JOHNS HOPKINS UNIVERSITY	JHU SUB2001589439(EY014660) FREEMAN	93 867	13,661	
JOHNS HOPKINS UNIVERSITY	Sub none (EY022680)	93 867	220,484	
LEGACY HEALTH SYSTEM	Sub None (EY011610)	93 867	129,683	
NEURO KINETICS, INC.	NEURO/NIH 20072728 GORIN 01/13 54%	93 867	(380)	
NEURO KINETICS, INC.	NEUO/NIH 5R44EY018025 GORIN 01/14 5	93 867	59	
OPTIKIRA, LLC	R41EY026370	93 867	33,156	
OREGON HEALTH & SCIENCE UNIVERSITY	1003279UCD	93 867	6,437	
PENNSYLVANIA STATE UNIVERSITY	U10EY023533	93 867	19,300	
PENNSYLVANIA STATE UNIVERSITY	UCDEY023533	93 867	3,948	
PHOTOSWITCH BIOSCIENCES, INC.	20162022	93 867	10,761	
PRINCETON UNIVERSITY	SUB0000029	93 867	25,097	
ST. LUKES-ROOSEVELT INSTITUTE FOR HEALTH SCIENCES	ST. LUKES-ROOSEVELT INSTITUTE-20140	93 867	1	
STANFORD UNIVERSITY	60721444-114192	93 867	51,061	
THE SCRIPPS RESEARCH INSTITUTE	TSRI/NIH 5-23853 CHERESH 54.5/55	93 867	947	
THE SCRIPPS RESEARCH INSTITUTE	SUB 5-23854 (EY022025)	93 867	209,856	
THE SCRIPPS RESEARCH INSTITUTE	Sub 5-50595 (EY022025)	93 867	612,653	
UNIVERSITY OF IOWA	Sub 2000569253 (EY023187)	93 867	7,257	
UNIVERSITY OF OKLAHOMA	SUB RS20151124 (EY025947)	93 867	94,417	
UNIVERSITY OF PENNSYLVANIA	562971:1	93 867	45,579	
UNIVERSITY OF PENNSYLVANIA	564799 (was 5904)	93 867	13,604	
UNIVERSITY OF PENNSYLVANIA	564824	93 867	10,045	
UNIVERSITY OF SOUTHERN CALIFORNIA	54529007	93 867	61,938	
UNIVERSITY OF SOUTHERN CALIFORNIA	66207998	93 867	180,824	
UNIVERSITY OF SOUTHERN CALIFORNIA	72730838-cyc1	93 867	13,576	
UNIVERSITY OF WASHINGTON	762670	93 867	302,538	
WASHINGTON UNIVERSITY IN ST. LOUIS	Sub WU-16-120 (EY025181)	93 867	5,289	

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WASHINGTON UNIVERSITY IN ST. LOUIS	sub WU-16-20 (EY025183)	93 867	107,225	
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-15-230	93 867	212,136	
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-16-119	93 867	16,421	
WASHINGTON UNIVERSITY IN ST. LOUIS	WU-16-121	93 867	23,804	
WAYNE STATE UNIVERSITY	WSU14046	93 867	17,867	
YALE UNIVERSITY	M16A12311 (A10507)-cyc1	93 867	97,738	
STANFORD UNIVERSITY	60339679-107577-A-001	93 867	111,838	
ARIZONA STATE UNIVERSITY/TEMPE	15-731	93 879	60,018	
CHILDREN'S NATIONAL MEDICAL CENTER	FF-NIH/ 30001387/ CHILDREN'S HOSPTL	93 879	30	
COLUMBIA UNIVERSITY	GG007254	93 879	51,303	
LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES	H-705831-CYC1	93 889	(2)	
UNIVERSITY OF WISCONSIN-MADISON	235K841 SEN	93 895	(542)	
SAN DIEGO COUNTY	536590	93 914	38,822	
INDIAN HEALTH COUNCIL, INC.	SUB 102313 (IHS0081-01-00)	93 933	94,263	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	1U65PS004454-01	93 939	619,967	
UNIVERSITY OF WASHINGTON	759694	93 939	29,733	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1320566	93 945	197,884	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	13-10023	93 946	2,097,711	720,430
LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES	PH-001733	93 959	7,227	
LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES	PH-001733:13	93 959	838,752	134,199
CALIFORNIA STATE UNIVERSITY, SAN DIEGO STATE UNIVERSITY	SDSU/HRSA LEGNER 8% 2018	93 969	210,830	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	13-20458	93 977	3,379,002	
FHI 360	0080.0214/780:01	93 977	30,418	
DARTMOUTH COLLEGE	1265	93 989	12,595	
EDUARDO MONDLANE UNIVERSITY	Sub C0010 (TW010135)	93 989	23,927	
EDUARDO MONDLANE UNIVERSITY	Sub CC002FUEM2010 (TW008908)	93 989	157,157	
EDUARDO MONDLANE UNIVERSITY	Sub CC003FUEM2010 (TW008910)	93 989	46,128	
GEORGIA INSTITUTE OF TECHNOLOGY	NIH-GIT/FENICAL/54.5%/08/11	93 989	(29,758)	
GEORGIA INSTITUTE OF TECHNOLOGY	RF135-G1	93 989	275,907	11,214
JOHNS HOPKINS UNIVERSITY	2001049549	93 989	(92)	
JOHNS HOPKINS UNIVERSITY	2002590467	93 989	18,059	
UNIVERSITY OF SOUTH FLORIDA	1211-1065-00-D	93 989	81,079	
ACCELERATED MEDICAL DIAGNOSTICS, LLC	201224815	93 UNKNOWN	3,705	
ACCELERATED MEDICAL DIAGNOSTICS, LLC	20130127	93 UNKNOWN	32,969	
ADDIS ABABA UNIVERSITY	HRSA/AAU T8HA21124-01-00 MCCUTCHAN	93 UNKNOWN	(8)	
AKONNI BIOSYSTEMS	Sub CRA# 80531A-001 (EB011274)	93 UNKNOWN	73,494	
ARGOS THERAPEUTICS, INC.	201013996	93 UNKNOWN	(2,081)	
BATTELLE MEMORIAL INSTITUTE	BATTELLE MEMORIAL INSTITUTE-236817	93 UNKNOWN	86,461	
BATTELLE MEMORIAL INSTITUTE	BATTELLE MEMORIAL INSTITUTE-236817N	93 UNKNOWN	74,601	
BIOLINQ, INC.	20150783	93 UNKNOWN	33,809	
BIOLINQ, INC.	Sub none (DK097989)	93 UNKNOWN	11,085	
BIOLOGICAL DYNAMICS, INC.	1R43CA183414	93 UNKNOWN	12,796	
BIOOTHERYX, INC.	BIOOTHERYX/PHS SUB 20150229 KLEMKE 2	93 UNKNOWN	96,100	
BLOOD SYSTEMS, INC. DBA BLOOD SYSTEMS RESEARCH INSTITUTE	10841UCSF100 SEIELSTAD	93 UNKNOWN	17,835	
BRIGHAM AND WOMEN'S HOSPITAL	111558	93 UNKNOWN	4,092	

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
CALIFORNIA ASSOCIATION OF HEALTH FACILITIES	201502630	93 UNKNOWN	137,724	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	Sub 13-20934 (NONE)	93 UNKNOWN	415,804	
CELLERANT THERAPEUTICS, INC.	CELLERANT/BARDA CLT008-03 WIEDUWILT	93 UNKNOWN	36,839	
CELLERANT THERAPEUTICS, INC.	SUB CLT008-02 (HHSO1002010000)	93 UNKNOWN	2,313	
CHICAGO ASSOCIATION FOR RESEARCH AND EDUCATION IN SCIENCE	UCSF#A115379	93 UNKNOWN	88,837	
CHILDREN'S HOSPITAL OF PHILADELPHIA	950008021512C	93 UNKNOWN	27,292	
CHILDREN'S HOSPITAL OF PHILADELPHIA	950010071504C	93 UNKNOWN	53,839	
CHILDREN'S HOSPITAL OF PHILADELPHIA	A123897	93 UNKNOWN	22,046	
CHILDREN'S MERCY HOSPITAL, THE	NIH-CHILDRENS/BENADOR 28% 07/10	93 UNKNOWN	64	
CNI FEDERAL SERVICES, LLC	5-001-1 (HHSM-500-2009-00046C)	93 UNKNOWN	1,209,652	
COLUMBIA UNIVERSITY	10GG1189609	93 UNKNOWN	7,535	
COMMUNITY HEALTH IMPROVEMENT PARTNERS	Sub 5834-122-01 (DP005834)	93 UNKNOWN	195,338	
DANA-FARBER CANCER INSTITUTE	R01CA172067	93 UNKNOWN	42,172	
DEVACELL INC.	DEVACELL/NIH U43CA186114 LIU	93 UNKNOWN	126	
DUKE UNIVERSITY	203-9449 (HHSN275201000003I)	93 UNKNOWN	7,781	
DUKE UNIVERSITY	206993 275201000003I	93 UNKNOWN	1,897	
DUKE UNIVERSITY	NIH/DUKE UNIV 178785 TREMOULET	93 UNKNOWN	6,031	
DUKE UNIVERSITY	Sub 2039304 (HHSN275201000031I)	93 UNKNOWN	13,580	
DUKE UNIVERSITY	SUB NONE (HHSN275201000003I)	93 UNKNOWN	13,413	
DYNUPOL, INC	UCSF#A124840	93 UNKNOWN	30,162	
EPIGEN BIOSCIENCES, INC.	Sub none(NS086244)	93 UNKNOWN	2,438	
ETHIOPIAN PUBLIC HEALTH ASSOCIATION	SUB NONE (GH000763)	93 UNKNOWN	200,057	
FHI 360	PO16001621	93 UNKNOWN	70,267	46,034
FRED HUTCHINSON CANCER RESEARCH CENTER	0000860512	93 UNKNOWN	83,435	
GEORGE WASHINGTON UNIVERSITY	NIH-GWU/GOTTSCHALK/26%	93 UNKNOWN	1,221	
GEORGIA INSTITUTE OF TECHNOLOGY	RB307S2	93 UNKNOWN	96,242	
GEORGIA INSTITUTE OF TECHNOLOGY	RB307-S3	93 UNKNOWN	8,801	
GROUP HEALTH COOPERATIVE	201400517	93 UNKNOWN	4,500	
GROUP HEALTH COOPERATIVE	201400520	93 UNKNOWN	150,108	
HEALTH RESEARCH ASSOCIATES, INC	4936-02	93 UNKNOWN	189,331	
HEALTH RESEARCH, INC.	5306-01 GENG	93 UNKNOWN	26,167	
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	02580512HHSN272201400008C	93 UNKNOWN	417,921	
KAISER PERMANENTE DIVISION OF RESEARCH	201503226	93 UNKNOWN	313,198	
LA JOLLA INSTITUTE FOR ALLERGY AND IMMUNOLOGY	NIH/LIAI 25072-44-381 O'DONNELL	93 UNKNOWN	1,150	
LAMNOTHERAPEUTICS INC.	201500391	93 UNKNOWN	21,374	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B611777	93 UNKNOWN	16,630	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B611809	93 UNKNOWN	541	
LEIDOS BIOMEDICAL RESEARCH, INC.	15X159	93 UNKNOWN	51,296	
LEIDOS BIOMEDICAL RESEARCH, INC.	16X114	93 UNKNOWN	77,752	
LEIDOS, INC.	14X102	93 UNKNOWN	924	
LEIDOS, INC.	15X037	93 UNKNOWN	218,500	
LP THERAPEUTICS, INC.	201500565	93 UNKNOWN	40,022	
MAPP BIOPHARMACEUTICAL, INC.	701501	93 UNKNOWN	22,661	
MAPP BIOPHARMACEUTICAL, INC.	7021-02	93 UNKNOWN	20,740	
MASSACHUSETTS GENERAL HOSPITAL	NN101	93 UNKNOWN	126	

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
MASSACHUSETTS GENERAL HOSPITAL	NN102	93 UNKNOWN	17,214	
MENTAL HEALTH SYSTEMS, INC.	SAMHSA-MHS/AARONS/13% 04/10	93 UNKNOWN	6,399	
MIRNA THERAPEUTICS, INC.	201503462	93 UNKNOWN	84,743	
N2 BIOMEDICAL	NJMU-1322-CYC1	93 UNKNOWN	(25)	
NANOCELLECT BIOMEDICAL, INC.	20150601 (HHSN261201400051C)	93 UNKNOWN	68,287	
NATIONAL JEWISH MEDICAL AND RESEARCH CENTER	NATL JEWISH MEDICAL & RESEARCH CNTR	93 UNKNOWN	15,067	
NEWOMICS, INC.	20150766	93 UNKNOWN	329,204	
NORTHROP GRUMMAN CORPORATION	7500128578	93 UNKNOWN	43,743	
NORTHROP GRUMMAN SYSTEMS CORPORATION	7500133818	93 UNKNOWN	1,004,714	297,726
OREGON HEALTH & SCIENCE UNIVERSITY	201500026	93 UNKNOWN	4,743	
OREGON HEALTH & SCIENCE UNIVERSITY	S1320	93 UNKNOWN	185	
OREGON HEALTH & SCIENCE UNIVERSITY	UCSF A125686	93 UNKNOWN	616	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	UCSF#A125350	93 UNKNOWN	13,739	
RAND CORP	9920150120	93 UNKNOWN	21,408	
RESEARCH FOUNDATION FOR MENTAL HYGIENE	HHSN2712012000071	93 UNKNOWN	(432)	
RESEARCH FOUNDATION FOR MENTAL HYGIENE	HHSN2712012000071	93 UNKNOWN	123,298	
RXBIO HOLDINGS, INC.	201601959	93 UNKNOWN	430,347	
SAN DIEGO WORKFORCE PARTNERSHIP	SAN DIEGO WORKFORCE PARTNERSHIP BEC	93 UNKNOWN	(4,438)	
SEACOAST SCIENCE, INC.	SEACOAST SCIENCE (NIH) 13-0915SC CA	93 UNKNOWN	29,496	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	CRB-SSS-S-14-003991 COHEN	93 UNKNOWN	(9,272)	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	CRB-SSS-S-15-004544	93 UNKNOWN	149,405	
SRI INTERNATIONAL	SRI INTERNATIONAL TAYLOR	93 UNKNOWN	(122)	
STANFORD UNIVERSITY	60311550107265A	93 UNKNOWN	66,497	
STANFORD UNIVERSITY	606464673501922	93 UNKNOWN	99,257	
STATE OF MARYLAND	201402292	93 UNKNOWN	60,466	
STATE OF NEW YORK	Evaluation of Haiti Quality Im	93 UNKNOWN	(1,383)	
TARGESON, INC	1R43CA183149-01	93 UNKNOWN	775	
THE UNIVERSITY OF ALABAMA (TUSCALOOSA)	502889SP004001	93 UNKNOWN	421,453	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	R24AI067039	93 UNKNOWN	3,563	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	UCSF#A125357	93 UNKNOWN	67,663	
TURNER CONSULTING GROUP, INC.	Sub 20111001-01 TCG (HHSN26820	93 UNKNOWN	9,879	
UNIVERSITY OF CHICAGO	FP046103-B	93 UNKNOWN	56,921	
UNIVERSITY OF FLORIDA	B 20090630 (NIDDK/NIAD/NICHD)	93 UNKNOWN	57,315	
UNIVERSITY OF FLORIDA	UFDSP00011069	93 UNKNOWN	87,181	
UNIVERSITY OF IOWA	W000696003	93 UNKNOWN	281,856	
UNIVERSITY OF NEVADA, RENO	R01GM101928	93 UNKNOWN	91,435	
UNIVERSITY OF PENNSYLVANIA	562134	93 UNKNOWN	168,966	
UNIVERSITY OF SOUTH FLORIDA	09000015	93 UNKNOWN	7,782	
UNIVERSITY OF UTAH	1000905008	93 UNKNOWN	71,268	
UNIVERSITY OF UTAH	UNIVERSITY OF UTAH 2102090	93 UNKNOWN	21,091	
UNIVERSITY OF UTAH	10035609-UCSF Sapru,A	93 UNKNOWN	2,340	
UNIVERSITY OF VERMONT	28557SUBUCDavis	93 UNKNOWN	34,575	
UNIVERSITY OF WASHINGTON	757148	93 UNKNOWN	61,145	
UNIVERSITY OF WASHINGTON	762195	93 UNKNOWN	26,856	
UNIVERSITY OF WASHINGTON	HRSA/U WASHINGTON/MATHEWS/8%	93 UNKNOWN	(1,053)	

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				Total Federal Expenditures	Pass-Through to Subrecipients
VISDEX CORPORATION	VISDEX CORPORATION-201224855	93	UNKNOWN	33,727	
WASHINGTON UNIVERSITY IN ST. LOUIS	Sub WU-11-255(N01-HR-76196	93	UNKNOWN	7,992	
WAVE 80 BIOSCIENCES, INC	UCSF#A126121	93	UNKNOWN	7,258	
WESTAT	SUB S8954 (HHSN271201100027C)	93	UNKNOWN	474,157	
ZIVA CORPORATION	HHSN2612014000058C	93	UNKNOWN	28,881	
ZIVA CORPORATION	Sub 20144161	93	UNKNOWN	170,979	
CALIFORNIA HEALTH AND HUMAN SERVICES AGENCY SAN DIEGO COUNTY	(ARRA) CAL HEALTH & HUMAN SVS (DHHS) 13-H9 Sub 544567 (none)	93	UNKNOWN	(1,094)	
Subtotal Pass-Through and Partial Pass-Through Awards				210,851,870	8,188,071
Total Department of Health and Human Services				2,079,000,243	256,143,432
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE					
Pass-Through and Partial Pass-Through					
JUMPSTART FOR YOUNG CHILDREN, INC.	490200-cyc18	94	006	138,795	
JUMPSTART FOR YOUNG CHILDREN, INC.	492015-CYC1	94	006	33,272	
JUMPSTART FOR YOUNG CHILDREN, INC.	F/JUMPSTART 492012 MANN B5.26 08/13	94	006	1,740	
JUMPSTART FOR YOUNG CHILDREN, INC.	JS-BB PROJ#880200-FULLER-08/14	94	006	(4,528)	
JUMPSTART FOR YOUNG CHILDREN, INC.	880200	94	006	65,128	
JUMPSTART FOR YOUNG CHILDREN, INC.	JUMPSTA-880200-BRIDGES,-08/15	94	006	11,612	
Subtotal Pass-Through and Partial Pass-Through Awards				246,019	-
Total Corporation for National and Community Service				246,019	-
DEPARTMENT OF HOMELAND SECURITY					
Direct Awards					
	Various	97	RD	2,180,061	
Pass-Through and Partial Pass-Through					
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	Sub 432844-19A28 (D12PC00337)	97	001	230,731	
THE CENTER FOR RURAL DEVELOPMENT	FY140009203UCDAVIS	97	005	15,066	
THE CENTER FOR RURAL DEVELOPMENT	K0015466EH	97	005	109,531	
HRL LABORATORIES, LLC	14089-503866-DS-cyc1	97	007	93,129	
MAXENTRIC TECHNOLOGIES LLC	20132178	97	036	77,997	
CALIFORNIA EMERGENCY MANAGEMENT AGENCY	FEMA-1884-DR-CA, Project #PL23	97	039	(53)	
GEORGE MASON UNIVERSITY	E2033681-cyc1	97	065	154,600	
PEPPERPRINT	UCB2015-HSHQDC-15-C-B0010	97	077	66,844	
SKYSIGHT TECHNOLOGIES LLC	20152553	97	077	43,789	
APPLIED TECHNOLOGY COUNCIL	784-24-646	97	082	43,785	
UNIVERSITY OF ILLINOIS	2016-01414-01-01:01	97	108	28,610	
FLIR SYSTEMS, INC.	Sub GHC-14000-004 (NONE)	97	UNKNOWN	4,894	
GEORGE MASON UNIVERSITY	E203053-1-cyc1	97	UNKNOWN	90,062	
PURDUE UNIVERSITY	4112-57682	97	UNKNOWN	66,246	
Subtotal Pass-Through and Partial Pass-Through Awards				1,025,231	-
Total Department of Homeland Security				3,205,292	-
AGENCY FOR INTERNATIONAL DEVELOPMENT					
Direct Awards					
	Various	98	RD	38,546,106	25,655,393
Pass-Through and Partial Pass-Through					

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			Total Federal Expenditures	Pass-Through to Subrecipients
ASTRAEA NATIONAL LESBIAN ACTION FOUNDATION	GLHRP---15--1	98 001	54,903	
COLLEGE OF WILLIAM AND MARY	740681-T	98 001	34,910	
GEORGE MASON UNIVERSITY	E2032703-CYC1	98 001	146,376	
HARVARD UNIVERSITY	106395-5094553	98 001	72,039	
INSTITUTE OF INTERNATIONAL EDUCATION	4-SM-UCSD (AID-OAA-A-12-00039)	98 001	883	
INSTITUTE OF INTERNATIONAL EDUCATION	DFG-9-APS-UCLA:2	98 001	1,089	
INTERNATIONAL BUSINESS & TECHNICAL CONSULTANTS, INC.	15-IBTCI-00027	98 001	261,001	
INTERNATIONAL CROPS RESEARCH INSTITUTE FOR THE SEMI-ARID TROPICS	201502915	98 001	10,691	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003316	98 001	73,519	
METABIOTA, INC	2015-14-USAID	98 001	74,600	
MICHIGAN STATE UNIVERSITY	RC102194FIGIRRIG	98 001	13,880	
MITCHELL GROUP, INC.	THE MIT-TMG/OAS-MALCOLM -09/14	98 001	(971)	
MITCHELL GROUP, INC.	TMG/OASIS-SAREL-YEAR 3-2015	98 001	186,931	
MITCHELL GROUP, INC.	TMG/OASIS-SAREL-YEAR2-2015	98 001	103,751	
NATIONAL ACADEMY OF SCIENCES	PGA2000003658	98 001	66,541	
NEW YORK UNIVERSITY	F7465-01	98 001	118,434	
PARTNERS IN HOPE (MALAWI)	674-A-00-10-00035-00:5	98 001	1,136,780	
POPULATION COUNCIL - NEW YORK	SH1503	98 001	9,369	
RTI INTERNATIONAL	888-13-16-10	98 001	145,322	
SOCIAL IMPACT, INC.	REQ-LAC-11-0000 37	98 001	46,423	
TUFTS UNIVERSITY	201502576	98 001	238,568	53,641
UCP WHEELS FOR HUMANITY	20140822	98 001	(303)	
HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE	sUB 2997 (AI099734)	98 855	37,068	
NORTHEASTERN UNIVERSITY	500421-78053	98 865	29,759	
ALLEN INSTITUTE FOR BRAIN SCIENCE	2014-0571	98 UNKNOWN	280,860	
COLORADO STATE UNIVERSITY	COLORADO STATE UNIVERSITY G-9650-18	98 UNKNOWN	3,233	
FHI 360	G000060	98 UNKNOWN	1,162,566	782,855
INTERNATIONAL MAIZE AND WHEAT IMPROVEMENT CENTER	016258	98 UNKNOWN	813,428	411,518
INTERNATIONAL POTATO CENTER	201300797	98 UNKNOWN	78,684	
MICHIGAN STATE UNIVERSITY	003844	98 UNKNOWN	56,370	
MICHIGAN STATE UNIVERSITY	MSU RC062946 ROBERT/CLS 12/16*	98 UNKNOWN	131,640	
MICHIGAN STATE UNIVERSITY	MSU RC062946 ROBERTS 12/16*	98 UNKNOWN	227,246	165,000
NATIONAL ACADEMY OF SCIENCES	2000006165	98 UNKNOWN	2,805	
PURDUE UNIVERSITY	8000062960	98 UNKNOWN	5,483	
UNIVERSITY OF ILLINOIS	20100720002	98 UNKNOWN	41,687	
Subtotal Pass-Through and Partial Pass-Through Awards			5,665,565	1,413,014
Total Agency for International Development			44,211,671	27,068,407
OTHER FEDERAL AGENCIES				
Direct Awards	Various	99 RD	684,134	15,376
Pass-Through and Partial Pass-Through				
UNIVERSITY OF MICHIGAN	3003891771UM16-04-cyc1	99 UNKNOWN	55,052	
AECOM TECHNICAL SERVICES	14C-16487-LB23, TASK ORDER 02	99 UNKNOWN	53,749	
AFASCI, INC.	5R44DA031578	99 UNKNOWN	107,396	
AGILTRON, INC.	150545	99 UNKNOWN	87,058	

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal		FY 2016	
				CFDA Number	Total Federal Expenditures
AMERICAN THROMBOSIS AND HEMOSTASIS NETWORK	ATHN2014 ATHN 2 842 1	99	UNKNOWN		74
ANTHROTRONIX, INC.	N0014-15-P-1072/ UCLACRESST-10	99	UNKNOWN		25,110
APPLIED TECHNOLOGY COUNCIL	APPLIED-783-24--MOEHLE,J-12/14	99	UNKNOWN		(18)
APTIMA, INC.	0997-1622	99	UNKNOWN		(2,888)
ARIZONA STATE UNIVERSITY/TEMPE	13-205:05	99	UNKNOWN		65,737
ASSOCIATION OF ASIAN PACIFIC COMMUNITY HEALTH ORGANIZATIONS	AAPCHO/DHHS 20150779 PONCE 5/15 26%	99	UNKNOWN		4,000
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	STSI/NASA HSTGO1256801A MALKAN 2/15	99	UNKNOWN		(1)
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	STSI HSTGO1221401A PRCHSKA 10/15	99	UNKNOWN		4,001
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	STSI/NASA HSTGO12290 ZUCKERMAN 09/1	99	UNKNOWN		(39)
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-AR-13260.02-A	99	UNKNOWN		9,719
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-12959.01-A	99	UNKNOWN		14,914
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13287.002-A	99	UNKNOWN		4,707
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13352.001-A	99	UNKNOWN		34,981
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13459.09-A	99	UNKNOWN		5,896
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13475.01-A	99	UNKNOWN		4,254
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-13612.001-A	99	UNKNOWN		342
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-14044.001-A	99	UNKNOWN		3,715
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-14199.002-A	99	UNKNOWN		42,345
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-GO-14219.002-A	99	UNKNOWN		21,205
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-HF2-51353.001-A	99	UNKNOWN		51,501
BCN BIOSCIENCES	6T01EP130002-01-04	99	UNKNOWN		290,163
BCN BIOSCIENCES	HHSN272201500004C	99	UNKNOWN		260,234
BIO-WAVES INCORPORATED	BW2015-SIO-001	99	UNKNOWN		29,961
BODIMOJO	1R43DK105623-01	99	UNKNOWN		49,212
BOEING COMPANY, THE	1078934	99	UNKNOWN		197,781
BOEING COMPANY, THE	PO NO. 1169752	99	UNKNOWN		35,870
BOOZ ALLEN HAMILTON INC.	HAMILTON/NIH 98990XSB23 DENNIS 01/1	99	UNKNOWN		20,000
BROAD INSTITUTE INC.	5417070-5500000722	99	UNKNOWN		639,451
BROOKHAVEN NATIONAL LABORATORY/BROOKHAVEN SCIENCE ASSOCIATES, LLC	186731-010	99	UNKNOWN		558,596
BROOKHAVEN NATIONAL LABORATORY/BROOKHAVEN SCIENCE ASSOCIATES, LLC	198731	99	UNKNOWN		105,202
BROOKHAVEN NATIONAL LABORATORY/BROOKHAVEN SCIENCE ASSOCIATES, LLC	223656-003	99	UNKNOWN		9,210
BROOKHAVEN NATIONAL LABORATORY/BROOKHAVEN SCIENCE ASSOCIATES, LLC	233044:2	99	UNKNOWN		117,271
BROOKHAVEN NATIONAL LABORATORY/BROOKHAVEN SCIENCE ASSOCIATES, LLC	238854:2	99	UNKNOWN		18,967
BROOKHAVEN NATIONAL LABORATORY/BROOKHAVEN SCIENCE ASSOCIATES, LLC	241533:2	99	UNKNOWN		1,901
CALIFORNIA DEPARTMENT OF HEALTH CARE SERVICES	15-92255	99	UNKNOWN		354,173
CALIFORNIA INSTITUTE OF TECHNOLOGY	A15-0170-001	99	UNKNOWN		27,076
CALIFORNIA STATE COASTAL CONSERVANCY	14-026	99	UNKNOWN		38,230
CENTER FOR SOCIAL INNOVATION, LLC	HHSS2832012000351	99	UNKNOWN		19,237
CH2M HILL	CH2M Hill 10006-7-103221	99	UNKNOWN		179,854
CHARLES STARK DRAPER LABORATORY, INC.	Draper SC001-1024	99	UNKNOWN		23,623
COLORADO STATE UNIVERSITY	007958	99	UNKNOWN		61,286
CONNECTICUT CHILDRENS MEDICAL CENTER	12-179296-17	99	UNKNOWN		2,465
CRAYTEX, LLC	20163237	99	UNKNOWN		100,968
CREARE INCORPORATED	Creare 74939	99	UNKNOWN		11,897
CREATIVE ENGINEERING SOLUTIONS	20141952	99	UNKNOWN		71,638

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
CREONEX SYSTEMS	20143806	99 UNKNOWN	44,247	
CREONEX SYSTEMS	20152726	99 UNKNOWN	77,214	
CREONEX SYSTEMS	20153642	99 UNKNOWN	57,250	
CRYSTAL RESEARCH INC	20160020	99 UNKNOWN	96,118	
DEFENSE GROUP INC.	14-0274-3523-001	99 UNKNOWN	18,827	
DEFENSE GROUP INC.	DEFENSE G 130004876 LIEBERMAN 12/15	99 UNKNOWN	6,930	
DUKE UNIVERSITY	20134974	99 UNKNOWN	249	
DUKE UNIVERSITY	2034985	99 UNKNOWN	18,900	
DUKE UNIVERSITY	NP/DUKE/NIH 20100872 FURST 07/11 54	99 UNKNOWN	5,792	
DUKE UNIVERSITY	DUKE/NIH HHSN2722011 KAFAJA 10/13 5	99 UNKNOWN	2,859	
DUKE UNIVERSITY	CSA173577/OPP206993: TO 27	99 UNKNOWN	46	
DUKE UNIVERSITY	HHSN272200900023C:4	99 UNKNOWN	81,148	
DUKE UNIVERSITY	SUB 20144899 (HHSN-27520100000	99 UNKNOWN	7,244	
DUKE UNIVERSITY	Sub 20160141 (HHSN275201000003	99 UNKNOWN	62,697	
DUKE UNIVERSITY	Sub 212079 (HHSO100201300009C	99 UNKNOWN	845	
DUKE UNIVERSITY	Sub CE01-120 (HHSO100201300009	99 UNKNOWN	26,738	
DXTERTY DIAGNOSTICS	20150825	99 UNKNOWN	11,157	
EMMES CORPORATION, THE	SUB NONE (NS062835)	99 UNKNOWN	115,096	
ERC, INCORPORATED	PO NO. PS150006	99 UNKNOWN	38,102	
ERC, INCORPORATED	PO NO. PS150008	99 UNKNOWN	73,190	
ERC, INCORPORATED	PO NO. PS160001	99 UNKNOWN	8,289	
ERC, INCORPORATED	PO NO. RS131108	99 UNKNOWN	44,657	
ERC, INCORPORATED	RS131109	99 UNKNOWN	40,614	
FARUS, LLC	2R44DE021326-02	99 UNKNOWN	43,220	
FAST-TRACK DRUGS & BIOLOGICS, LLC	HHSN27500003-1061-NCIG6-UCLA	99 UNKNOWN	544,665	
FEINSTITUTEEIN INSTITUTE FOR MEDICAL RESEARCH	500613 UCLA:1	99 UNKNOWN	17,310	
FERMI RESEARCH ALLIANCE, LLC (FRA) (INCL FERMILAB-DOE GOCO)	619181:1	99 UNKNOWN	71,724	
FLEXTECH ALLIANCE	RFP15-175	99 UNKNOWN	54,191	
FRED HUTCHINSON CANCER RESEARCH CENTER	Sub 0000796789 (HHSN2682013000	99 UNKNOWN	29,321	
FRED HUTCHINSON CANCER RESEARCH CENTER	Sub 0000807414 (HHSN2682011000	99 UNKNOWN	61,320	
GALOIS INC	2015-007	99 UNKNOWN	222,080	
GENERAL ATOMICS	4500053550	99 UNKNOWN	297,526	
GENERAL ATOMICS	4500059085	99 UNKNOWN	423,206	
GENERAL ATOMICS	GAC/US DOE PEBBLES PO4500041234 10/	99 UNKNOWN	(24)	
GENERAL ATOMICS	GAC 45000047909 PEBBLES 10/14 26%	99 UNKNOWN	(24)	
GEORGIA INSTITUTE OF TECHNOLOGY	RF228-G1	99 UNKNOWN	234,022	
GEORGIA INSTITUTE OF TECHNOLOGY	RF386-S3	99 UNKNOWN	207,752	
GLOBAL ALGAE INNOVATIONS	GAI 20133695	99 UNKNOWN	135,795	
GSI ENVIRONMENTAL, INC	13-009	99 UNKNOWN	114,391	
HEALTH RESEARCH AND EDUCATION TRUST	FDP-R&ET/DHHS STEADMAN 09/14	99 UNKNOWN	(23)	
HEALTH RESEARCH AND EDUCATION TRUST	80784	99 UNKNOWN	76,124	
HLS RESEARCH, INC.	HLS 15-1002	99 UNKNOWN	15,523	
HONEYWELL, INC.	HONEYWELL(USDJ)3501527800E1216	99 UNKNOWN	22,018	
HRL LABORATORIES, LLC	HRL/USDOD 702086BS HONGWEN 09/14 54	99 UNKNOWN	(85)	
HYPRES, INC.	Sub 20133017 (FA9550-14-C-0011	99 UNKNOWN	95,093	

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal CFDA Number	FY 2016	
			Total Federal Expenditures	Pass-Through to Subrecipients
IDAHO NATIONAL LABORATORY	167290	99 UNKNOWN	1,413	
ILLINOIS APPLIED RESEARCH ASSOCIATES, LLC	20151870	99 UNKNOWN	79,363	
IMAGINAB INC.	4R44CA157025-02	99 UNKNOWN	51,875	
INCORPORATED RESEARCH INSTITUTIONS FOR SEISMOLOGY	14-UCSD-TAJIK	99 UNKNOWN	18,231	
INFERLINK CORPORATION	W81XWH-13-C-0158	99 UNKNOWN	27,439	
INFLEXION, INC.	2R44HD066920-03A1	99 UNKNOWN	222,655	
INFOSCITEX CORPORATION	A16-0500-001	99 UNKNOWN	4,489	
INSTON, INC	20143232	99 UNKNOWN	18,471	
INTELLIGENT OPTICAL SYSTEMS, INC.	3236 NIH-NEURONANO	99 UNKNOWN	(8,486)	
INTERNATIONAL BUSINESS MACHINES CORPORATION	PO #5003856916	99 UNKNOWN	298,430	
IQ SOLUTIONS INC.	NIDA/US-Mexico Fellowship	99 UNKNOWN	36,816	
JAEB CENTER FOR HEALTH RESEARCH, INC.	1U10EY020797-01A1	99 UNKNOWN	7,521	
JET PROPULSION LABORATORY	1278932:011	99 UNKNOWN	665	
JET PROPULSION LABORATORY	1385250:012	99 UNKNOWN	61,369	
JET PROPULSION LABORATORY	1401886:008	99 UNKNOWN	62,433	
JET PROPULSION LABORATORY	1424022	99 UNKNOWN	212,039	
JET PROPULSION LABORATORY	1436227	99 UNKNOWN	80,189	
JET PROPULSION LABORATORY	1436963:02	99 UNKNOWN	7,589	
JET PROPULSION LABORATORY	1459600:005	99 UNKNOWN	24,243	
JET PROPULSION LABORATORY	1481588-01	99 UNKNOWN	155,663	
JET PROPULSION LABORATORY	1486376	99 UNKNOWN	138,012	
JET PROPULSION LABORATORY	1490248	99 UNKNOWN	115,190	
JET PROPULSION LABORATORY	1499223:001	99 UNKNOWN	14,813	
JET PROPULSION LABORATORY	1501530:001	99 UNKNOWN	7,650	
JET PROPULSION LABORATORY	1506677	99 UNKNOWN	41,705	
JET PROPULSION LABORATORY	1508617	99 UNKNOWN	40,574	
JET PROPULSION LABORATORY	1512045	99 UNKNOWN	(345)	
JET PROPULSION LABORATORY	1512469	99 UNKNOWN	29,371	
JET PROPULSION LABORATORY	1512986:002	99 UNKNOWN	339,632	
JET PROPULSION LABORATORY	1513478	99 UNKNOWN	14,555	
JET PROPULSION LABORATORY	1514193	99 UNKNOWN	60,370	
JET PROPULSION LABORATORY	1514272	99 UNKNOWN	8,632	
JET PROPULSION LABORATORY	1514518	99 UNKNOWN	4,767	
JET PROPULSION LABORATORY	1514727	99 UNKNOWN	38,358	
JET PROPULSION LABORATORY	1514876	99 UNKNOWN	47,703	
JET PROPULSION LABORATORY	1515239	99 UNKNOWN	5,926	
JET PROPULSION LABORATORY	1515694	99 UNKNOWN	46,038	
JET PROPULSION LABORATORY	1516625	99 UNKNOWN	144,921	
JET PROPULSION LABORATORY	1518694	99 UNKNOWN	15,225	
JET PROPULSION LABORATORY	1520000	99 UNKNOWN	(703)	
JET PROPULSION LABORATORY	1520173	99 UNKNOWN	25,592	
JET PROPULSION LABORATORY	1521256	99 UNKNOWN	21,201	
JET PROPULSION LABORATORY	1521593	99 UNKNOWN	124,084	11,114
JET PROPULSION LABORATORY	1522155	99 UNKNOWN	124,945	
JET PROPULSION LABORATORY	1523995	99 UNKNOWN	143,694	

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
JET PROPULSION LABORATORY	1525520	99 UNKNOWN	61,354	
JET PROPULSION LABORATORY	1526530	99 UNKNOWN	67,402	
JET PROPULSION LABORATORY	1527039	99 UNKNOWN	25,000	
JET PROPULSION LABORATORY	1527849	99 UNKNOWN	32,265	
JET PROPULSION LABORATORY	1528316	99 UNKNOWN	14,462	
JET PROPULSION LABORATORY	1529017	99 UNKNOWN	19,419	
JET PROPULSION LABORATORY	1530277	99 UNKNOWN	38,935	
JET PROPULSION LABORATORY	1530495	99 UNKNOWN	33,866	
JET PROPULSION LABORATORY	1530672	99 UNKNOWN	61,753	
JET PROPULSION LABORATORY	1531316:001	99 UNKNOWN	113,238	
JET PROPULSION LABORATORY	1531879	99 UNKNOWN	42,054	
JET PROPULSION LABORATORY	1532733:02	99 UNKNOWN	39,930	
JET PROPULSION LABORATORY	1533732	99 UNKNOWN	26,390	
JET PROPULSION LABORATORY	1533870:002	99 UNKNOWN	118,604	
JET PROPULSION LABORATORY	1534124	99 UNKNOWN	11,613	
JET PROPULSION LABORATORY	1535758	99 UNKNOWN	20,449	
JET PROPULSION LABORATORY	1536070	99 UNKNOWN	18,272	
JET PROPULSION LABORATORY	1537305	99 UNKNOWN	35,357	
JET PROPULSION LABORATORY	1537426	99 UNKNOWN	101,653	
JET PROPULSION LABORATORY	1537508	99 UNKNOWN	10,778	
JET PROPULSION LABORATORY	1537626	99 UNKNOWN	58,376	
JET PROPULSION LABORATORY	1537682	99 UNKNOWN	36,758	
JET PROPULSION LABORATORY	1537756	99 UNKNOWN	48,564	
JET PROPULSION LABORATORY	1538771	99 UNKNOWN	26,048	
JET PROPULSION LABORATORY	1540430:01	99 UNKNOWN	19,014	
JET PROPULSION LABORATORY	1541178	99 UNKNOWN	7,347	
JET PROPULSION LABORATORY	1542315:001	99 UNKNOWN	111,197	
JET PROPULSION LABORATORY	1543035	99 UNKNOWN	38,854	
JET PROPULSION LABORATORY	1543317	99 UNKNOWN	50,927	
JET PROPULSION LABORATORY	1544602	99 UNKNOWN	1,533	
JET PROPULSION LABORATORY	1545119	99 UNKNOWN	21,655	
JET PROPULSION LABORATORY	1546731	99 UNKNOWN	13,463	
JET PROPULSION LABORATORY	1551859	99 UNKNOWN	7,624	
JET PROPULSION LABORATORY	JPL RSA1447318 FORTNEY 9/15	99 UNKNOWN	64	
JET PROPULSION LABORATORY	JPL/NASA 1497431 RUSSELL 9/15 54%	99 UNKNOWN	(743)	
JET PROPULSION LABORATORY	RSA No. 1519403	99 UNKNOWN	30,839	
JET PROPULSION LABORATORY	RSA No. 1519406	99 UNKNOWN	7,655	
JOHNS HOPKINS UNIVERSITY	118127	99 UNKNOWN	46,606	
JOHNS HOPKINS UNIVERSITY	127296	99 UNKNOWN	108,071	
JOHNS HOPKINS UNIVERSITY	132224	99 UNKNOWN	53,661	
LANZATECH	LANZATECH 20142106	99 UNKNOWN	142,235	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B607572:4	99 UNKNOWN	308,508	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	25137	99 UNKNOWN	(2)	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B590441	99 UNKNOWN	16,495	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B594460	99 UNKNOWN	2,496	

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B599552	99 UNKNOWN	61,191	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	008053	99 UNKNOWN	17,785	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	LLNS B608016 HOPKINS 12/14 54%	99 UNKNOWN	(3,354)	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	LLNS/US DOD B599552 HOPKINS 4/15 54	99 UNKNOWN	(2,635)	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B608015:1	99 UNKNOWN	89,128	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B612916	99 UNKNOWN	14,683	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B613194	99 UNKNOWN	75,828	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B615218	99 UNKNOWN	8,332	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B615778	99 UNKNOWN	62,249	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B615821	99 UNKNOWN	36,247	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B615842	99 UNKNOWN	36,501	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B617745	99 UNKNOWN	12,936	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B617862	99 UNKNOWN	8,720	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	PO#B614264	99 UNKNOWN	23,355	
LEEDS MANAGEMENT CONSULTING INC	ED-O11-13-C-0073	99 UNKNOWN	29,990	
LEIDOS BIOMEDICAL RESEARCH, INC.	14X111	99 UNKNOWN	4,293	
LEIDOS BIOMEDICAL RESEARCH, INC.	16X164	99 UNKNOWN	1,386	
LGS INNOVATIONS LLC	LGS141160G	99 UNKNOWN	216,880	
LIBREDE, INC.	20121721	99 UNKNOWN	29,189	
LOS ALAMOS NATIONAL SECURITY, LLC	008035	99 UNKNOWN	3,646	
LOS ALAMOS NATIONAL SECURITY, LLC	142454-004	99 UNKNOWN	191,906	
LOS ALAMOS NATIONAL SECURITY, LLC	216965-1:3	99 UNKNOWN	11,500	
LOS ALAMOS NATIONAL SECURITY, LLC	216966-1:3	99 UNKNOWN	28,278	
LOS ALAMOS NATIONAL SECURITY, LLC	243489-001	99 UNKNOWN	2,059	
LOS ALAMOS NATIONAL SECURITY, LLC	257201-002	99 UNKNOWN	80,351	
LOS ALAMOS NATIONAL SECURITY, LLC	308948	99 UNKNOWN	90,126	
LOS ALAMOS NATIONAL SECURITY, LLC	315140	99 UNKNOWN	3,011	
LOS ALAMOS NATIONAL SECURITY, LLC	383906	99 UNKNOWN	9,734	
LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES	CNTYLADPH/DHHS PH002511 WELLS 6/14	99 UNKNOWN	(2,273)	
LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES	CLA/DHHS DPOPH14361162 MCCURTIS 4/1	99 UNKNOWN	(6,759)	
LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES	PH-002511:1	99 UNKNOWN	(4,249)	
LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES	PH-002511:2	99 UNKNOWN	158,707	
LOS ANGELES DEPARTMENT OF WATER AND POWER	DR-UCLA-PS05 (A) Sub Task 001,	99 UNKNOWN	152,417	
LOS ANGELES POLICE FOUNDATION	20144647	99 UNKNOWN	80,198	
MAGEE-WOMENS HOSPITAL, RESEARCH INSTITUTE AND FOUNDATION	MAGEE FDN/NIH 7290 ANTON 08/14 26%	99 UNKNOWN	(44,400)	
MEDICAL COLLEGE OF WISCONSIN	MCW/NIH 20102467 BOOKHEIMER 05/14 5	99 UNKNOWN	(14,555)	
MEMORIAL SLOAN-KETTERING CANCER CENTER	SLOAN/NIH MSKCC07014 CHMIELOW 10/1	99 UNKNOWN	(18)	
MICROELECTRONICS ADVANCED RESEARCH CORPORATION	2013-MA-2382	99 UNKNOWN	5,648,627	3,511,512
MOROCCAN FOUNDATION FOR ADVANCED SCIENCE, INNOVATION AND RESEARCH	PANERA/AFRL SB1FA955014 CARMAN 06/1	99 UNKNOWN	1,327	
NANOCOLLECT BIOMEDICAL, INC.	NANOPIXEL/NSF 20140002 HUFFAKER 12/	99 UNKNOWN	31,953	
NANOPIXEL TECHNOLOGIES	SA3404-26309:21	99 UNKNOWN	(47)	
NATIONAL JEWISH HEALTH	NJH/NIH 20093678 LI 6/15 54%	99 UNKNOWN	2,042	
NAVIMAR APPLIED SCIENCES CORPORATION	NAVIMAR APPLIED SCIE CORP PX002554 T	99 UNKNOWN	4,763	
NEURAL ANALYTICS	IIP-1448525	99 UNKNOWN	(5,873)	
NEW ENGLAND RESEARCH INSTITUTE, INC.	U01HL107407	99 UNKNOWN	328	

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
NORTH SHORE-LONG ISLAND JEWISH HEALTH SYSTEM	UCL1-01-NON-ARRA :4	99 UNKNOWN	2,041	
NORTHROP GRUMMAN CORPORATION	20141363	99 UNKNOWN	75,242	
NORTHROP GRUMMAN CORPORATION	7600019071	99 UNKNOWN	300,019	
NOVARTIS AG	CRAD001CUS168T	99 UNKNOWN	(19,045)	
OAK RIDGE NATIONAL LABORATORY	4000116770:03	99 UNKNOWN	622,485	
OAK RIDGE NATIONAL LABORATORY	4000139957	99 UNKNOWN	131,013	
OAK RIDGE NATIONAL LABORATORY	4000142358	99 UNKNOWN	47,582	
OAK RIDGE NATIONAL LABORATORY	4000143356	99 UNKNOWN	46,795	
OAK RIDGE NATIONAL LABORATORY	OAK RN LAB/USDOE 92665 LIAO 9/12 54	99 UNKNOWN	(528)	
OCEAN NANOTECH	20143181	99 UNKNOWN	210,464	
OEWAVES	20161012	99 UNKNOWN	40,933	
OREGON STATE UNIVERSITY	X0164A-A	99 UNKNOWN	12,504	
PACIFIC DEVELOPMENT AND TECHNOLOGY, LLC	20110828	99 UNKNOWN	(173)	
PACIFIC NORTHWEST NATIONAL LABORATORIES	287593	99 UNKNOWN	3,820	
PACIFIC NORTHWEST NATIONAL LABORATORIES	A15-0016	99 UNKNOWN	7,186	
PACIFIC NORTHWEST NATIONAL LABORATORIES	20152753	99 UNKNOWN	17,749	
PACIFIC NORTHWEST NATIONAL LABORATORIES	245999	99 UNKNOWN	21,593	
PELAGIQUE, LLC	20130580	99 UNKNOWN	1,279	
PRATT & WHITNEY	SB100016 - Task 24	99 UNKNOWN	4,929	
PREMITEC	20144132	99 UNKNOWN	78,429	
PRINCETON PLASMA PHYSICS LABORATORY	S012340-F:5	99 UNKNOWN	(125)	
PRINCETON PLASMA PHYSICS LABORATORY	S014889-R	99 UNKNOWN	27,264	
PROTEIN SCIENCES CORP.	2U44CA167593-02	99 UNKNOWN	149,191	
PURDUE UNIVERSITY	PURDUE UNIV/DOD 410444613 LESTER 9/	99 UNKNOWN	(1,087)	
QUANTUM APPLIED SCIENCE AND RESEARCH, INC.	20151743 (W81XWH-12-C-0056)	99 UNKNOWN	2,811	
RADIABEAM TECHNOLOGIES, LLC	20144162	99 UNKNOWN	183,119	
RADIABEAM TECHNOLOGIES, LLC	20151673	99 UNKNOWN	66,484	
RADIABEAM TECHNOLOGIES, LLC	20154874	99 UNKNOWN	50,346	
RADIABEAM TECHNOLOGIES, LLC	20160519	99 UNKNOWN	3,128	
RADIABEAM TECHNOLOGIES, LLC	20164118	99 UNKNOWN	4,013	
RADIABEAM TECHNOLOGIES, LLC	20164153	99 UNKNOWN	2,086	
RADIABEAM TECHNOLOGIES, LLC	RT/USDOE 20140048 MUSUMECI 5/14 54%	99 UNKNOWN	(8)	
RADIABEAM TECHNOLOGIES, LLC	PA-12-088	99 UNKNOWN	51,748	
RADIOLOGICAL SOCIETY OF NORTH AMERICA INC (ARRA)	RSNA/NIH HHSN268201000050 MCNITT 03	99 UNKNOWN	(2,686)	
RADIOLOGICAL SOCIETY OF NORTH AMERICA INC (ARRA)	RSNA/NIH 268201000050C MCNITT-GRAY	99 UNKNOWN	(1,112)	
RAND CORP	9920120024:03	99 UNKNOWN	6,975	
RAND CORP	9920140170	99 UNKNOWN	127,049	
RAND CORP	9920150078:1	99 UNKNOWN	10,672	
RAND CORP	9920150142	99 UNKNOWN	13,275	
RAYTHEON BBN TECHNOLOGIES CORP.	9500011577	99 UNKNOWN	28,679	
REMOTE SENSING SYSTEMS	6103	99 UNKNOWN	20,403	
SANDIA NATIONAL LABORATORIES	1111359:3	99 UNKNOWN	119,111	87,499
SANDIA NATIONAL LABORATORIES	1651967	99 UNKNOWN	20,649	
SANDIA NATIONAL LABORATORIES	A15-0012-002	99 UNKNOWN	128,005	
SANDIA NATIONAL LABORATORIES	P.O. #1518002	99 UNKNOWN	42,385	

The accompanying notes are an integral part of this schedule.

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
SCARLESS LABORATORIES, INC	4R44DE024692-02	99 UNKNOWN	179,024	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	SSS/NIH 00295 DEVILLE 9/11 54%	99 UNKNOWN	(769)	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	SSS/NIH 00295 DEVILLE 3/15 54%	99 UNKNOWN	47,758	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	SSS/NIH CRBSSSS12002370 DEVILLE 12/	99 UNKNOWN	(22,584)	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	SSS/NIH RBSSSS13003358 KLAUSNER 09/	99 UNKNOWN	(4,523)	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	SSS/NIH CRB-SSS-S-14-004056 MORRIS	99 UNKNOWN	30,509	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	CRB-SSS-S-14-003983	99 UNKNOWN	32,861	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	CRB-SSS-S-15-004310	99 UNKNOWN	28,992	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	CRB-SSS-S-15-004351	99 UNKNOWN	126,364	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	CRB-SSS-S-15-004576	99 UNKNOWN	25,455	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	CRB-SSS-S-15-004631	99 UNKNOWN	118,176	
SOCIAL AND SCIENTIFIC SYSTEMS, INC.	Sub CRB-SSS-S-15-004567 (HHSN2	99 UNKNOWN	2,804	
SOFIE BIOSCIENCES, INC	20143741	99 UNKNOWN	94,579	
SOFIE BIOSCIENCES, INC	20144768	99 UNKNOWN	176,076	
SOITEC SOLAR	20130388 (W912HQ-13-C-0032)	99 UNKNOWN	117,548	
SOUTHWEST RESEARCH INSTITUTE	699046X :25	99 UNKNOWN	14,512	
SOUTHWEST RESEARCH INSTITUTE	H99010MO	99 UNKNOWN	139,034	
STANFORD UNIVERSITY	105193-009	99 UNKNOWN	109,798	
STATE UNIVERSITY OF NEW YORK	SUB 68799-6(DESC0012583)	99 UNKNOWN	381,284	
TELESAGE, INC.	20150331	99 UNKNOWN	6,512	
THE SCRIPPS RESEARCH INSTITUTE	5-52325	99 UNKNOWN	138,828	
THINK-NOW INC.	2013-2773	99 UNKNOWN	58,371	
THINK-NOW INC.	20134440	99 UNKNOWN	1,730	
TUNITAS THERAPEUTICS	20112992	99 UNKNOWN	207,138	
UNIVERSITIES RESEARCH ASSOCIATION (OPERATES FERMILAB)	601656:11	99 UNKNOWN	73,301	
UNIVERSITIES RESEARCH ASSOCIATION (OPERATES FERMILAB)	603654:10	99 UNKNOWN	239,466	
UNIVERSITIES RESEARCH ASSOCIATION (OPERATES FERMILAB)	PO #596112:5	99 UNKNOWN	100,428	
UNIVERSITIES RESEARCH ASSOCIATION (OPERATES FERMILAB)	PO #605974:3	99 UNKNOWN	202,606	
UNIVERSITIES SPACE RESEARCH ASSOCIATION	08500-05:76	99 UNKNOWN	67,560	
UNIVERSITY OF ARIZONA	20152604 (HHSN261201200031)	99 UNKNOWN	38,109	
UNIVERSITY OF ARIZONA	3003980	99 UNKNOWN	38,147	
UNIVERSITY OF ARIZONA	Sub 20160294 (HHSN261201200031	99 UNKNOWN	34,127	
UNIVERSITY OF COLORADO SYSTEM (SYSTEM PARENT CODE)	1548642:4	99 UNKNOWN	405	
UNIVERSITY OF HAWAII AT MANOA	MA110025:004	99 UNKNOWN	55	
UNIVERSITY OF IOWA	1001057397:01	99 UNKNOWN	210,376	
UNIVERSITY OF MARYLAND	028-Z7181002:A	99 UNKNOWN	122,114	
UNIVERSITY OF MARYLAND	31673-Z9825002	99 UNKNOWN	21,171	
UNIVERSITY OF MICHIGAN	3003891771UM16-04-cyc1	99 UNKNOWN	195,007	
UNIVERSITY OF MINNESOTA	X5336545102:10	99 UNKNOWN	108,127	
UNIVERSITY OF NEW HAMPSHIRE	06-001	99 UNKNOWN	703,847	77,750
UNIVERSITY OF NEW MEXICO	008256	99 UNKNOWN	1,597	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5056054	99 UNKNOWN	137,525	6,572
UNIVERSITY OF OREGON	251370A:1	99 UNKNOWN	98,645	
UNIVERSITY OF PITTSBURGH	0024031-5:03	99 UNKNOWN	313,367	
UNIVERSITY OF SOUTHERN CALIFORNIA	59361997	99 UNKNOWN	58,773	

The accompanying notes are an integral part of this schedule.

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
UNIVERSITY OF SOUTHERN CALIFORNIA	61207781	99 UNKNOWN	40,948	
UNIVERSITY OF SOUTHERN CALIFORNIA	67808754	99 UNKNOWN	79,245	
UNIVERSITY OF TEXAS-AUSTIN	UTA15-000131	99 UNKNOWN	861,938	
UNIVERSITY OF UTAH	10009050-15CAPITATED:8	99 UNKNOWN	134,437	
UNIVERSITY OF WASHINGTON	747180:2	99 UNKNOWN	(51)	
UNIVERSITY OF WASHINGTON	UW/NIH 745379 HALFON 09/13 26%	99 UNKNOWN	366	
UNIVERSITY OF WASHINGTON	UWSC8540	99 UNKNOWN	477,813	
VANDERBILT UNIVERSITY	Sub VUMC 44030 (HHSN2722014000	99 UNKNOWN	54,775	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA 316054 MORLAND (W81XWH-12	99 UNKNOWN	22,131	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA CARTER 315854 (VMRF 09249	99 UNKNOWN	44,106	
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	A00-0722-003	99 UNKNOWN	90,775	
WESTAT	6001-PO-016	99 UNKNOWN	13,625	
WESTAT	6049.03-S01	99 UNKNOWN	24,128	
WESTAT	6101-S059 (MOD. NO.2)	99 UNKNOWN	769,454	
WESTAT	6101-S074	99 UNKNOWN	97,989	
WESTAT	8967-S02:04	99 UNKNOWN	17,421	
WORLD VISION INC	ACR2-001	99 UNKNOWN	78,804	
WYLE LABORATORIES	T72556	99 UNKNOWN	219,138	
WYLE LABORATORIES	T72613	99 UNKNOWN	20,185	
WYLE LABORATORIES	T73047	99 UNKNOWN	8,902	
ZYMERGEN, INC.	4209	99 UNKNOWN	8,215	
ZYMERGEN, INC.	4282	99 UNKNOWN	4,119	
3E TECHNOLOGIES INTERNATIONAL, INC.	3ETI 03S1005100UCR JIANG 9/16	99 UNKNOWN	32,645	
ARIZONA STATE UNIVERSITY/TEMPE	A16-0487-001	99 UNKNOWN	1,213	
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	AURA N414580A HUNTER 3/15	99 UNKNOWN	(3,692)	
AURORA FLIGHT SCIENCES CORPORATION	AURORA AFS151264 TEODRSCU 6/16	99 UNKNOWN	33,205	
BRIGHTON UNIVERSITY	15-0425	99 UNKNOWN	207,999	
BROAD INSTITUTE INC.	A15-0194-002	99 UNKNOWN	436,052	
BROOKHAVEN NATIONAL LABORATORY/BROOKHAVEN SCIENCE ASSOCIATES, LLC	BROOKHAVEN 280632 NIELSEN 9/15	99 UNKNOWN	3,050	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	14-10802	99 UNKNOWN	147,158	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	MCA8995SC (14-10709)	99 UNKNOWN	39,956	
CALIFORNIA STRAWBERRY COMMISSION	SC-15-04	99 UNKNOWN	72,093	
CENTER FOR RESEARCH IN STORAGE SYSTEMS	A00-0711-002	99 UNKNOWN	451,593	
CHILDREN'S HOSPITAL AND RESEARCH CENTER AT OAKLAND	A00-0677-003	99 UNKNOWN	8,927	
CONCERN UNIVERSAL	A16-0164-001	99 UNKNOWN	38,454	
EAST CAROLINA UNIVERSITY	A10-0074-S005	99 UNKNOWN	76,985	
EPIR TECHNOLOGIES, INC.	0149-13-SUCSC-0001	99 UNKNOWN	309	
HYDROGEOLOGIC, INC.	SC-15-155	99 UNKNOWN	4,319	
JET PROPULSION LABORATORY	A15-0098-001	99 UNKNOWN	17,422	
JET PROPULSION LABORATORY	A15-0195-001	99 UNKNOWN	25,236	
JET PROPULSION LABORATORY	A16-0081-001	99 UNKNOWN	8,924	
JET PROPULSION LABORATORY	A16-0228-001	99 UNKNOWN	86,667	
JET PROPULSION LABORATORY	A16-0506-001	99 UNKNOWN	1,335	
JET PROPULSION LABORATORY	A16-0545-001	99 UNKNOWN	2,121	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B606314-002	99 UNKNOWN	(942)	

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		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
LEIDOS BIOMEDICAL RESEARCH, INC.	A00-2172-019	99 UNKNOWN	1,441,935	
LEIDOS, INC.	A00-2172-021	99 UNKNOWN	(37,697)	
MASSACHUSETTS GENERAL HOSPITAL	A15-0163-001	99 UNKNOWN	18,974	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	A00-0229-003	99 UNKNOWN	41,180	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	123403A	99 UNKNOWN	34,163	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444653-84067	99 UNKNOWN	98,345	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444653-84097	99 UNKNOWN	96,287	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444653-84126	99 UNKNOWN	153,294	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444653-84128	99 UNKNOWN	126,681	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444653-84129	99 UNKNOWN	32,761	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444653-84211	99 UNKNOWN	67,535	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444653-84227	99 UNKNOWN	111,529	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444653-84228	99 UNKNOWN	60,687	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444908-84219	99 UNKNOWN	42,472	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444920-84033	99 UNKNOWN	159,866	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444920-84080	99 UNKNOWN	(79)	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444920-84213	99 UNKNOWN	182,814	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444920-84214	99 UNKNOWN	23,918	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444927-84086	99 UNKNOWN	15,989	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444927-84091	99 UNKNOWN	219,616	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444927-84193	99 UNKNOWN	123,256	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444949-84149	99 UNKNOWN	585	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444949-84188	99 UNKNOWN	60,052	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444949-84200	99 UNKNOWN	803	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444951-84016	99 UNKNOWN	172,331	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444951-84053	99 UNKNOWN	93,506	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444951-84057	99 UNKNOWN	120,638	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444951-84116	99 UNKNOWN	107,479	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444951-84183	99 UNKNOWN	248	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444951-84190	99 UNKNOWN	68,417	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444951-84220	99 UNKNOWN	198,718	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444951-84221	99 UNKNOWN	46,128	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444955-84218	99 UNKNOWN	140,595	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444956-84222	99 UNKNOWN	116,340	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84009	99 UNKNOWN	210,042	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84014	99 UNKNOWN	13,534	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84041	99 UNKNOWN	128,614	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84076	99 UNKNOWN	87,668	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84082	99 UNKNOWN	84,964	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84098	99 UNKNOWN	60,406	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84127	99 UNKNOWN	134,087	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84142	99 UNKNOWN	19,027	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84153	99 UNKNOWN	54,274	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84155	99 UNKNOWN	8,492	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84162	99 UNKNOWN	74,912	

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				Total Federal Expenditures	Pass-Through to Subrecipients
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84166	99	UNKNOWN	30,363	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84204	99	UNKNOWN	84,332	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84215	99	UNKNOWN	112,002	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84224	99	UNKNOWN	76,641	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	444988-84229	99	UNKNOWN	4,990	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	445141-84203	99	UNKNOWN	8,795	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	445231-84187	99	UNKNOWN	2,296	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	446306-84205	99	UNKNOWN	105,956	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	557755-84201	99	UNKNOWN	24,546	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	558109-84207	99	UNKNOWN	(808)	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	84095 - 02 - 444988	99	UNKNOWN	8,377	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	84132 - 02 - 444988	99	UNKNOWN	39,975	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	84140 - 02 - 444947	99	UNKNOWN	31,286	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	84184 - 02 - 444951	99	UNKNOWN	70,772	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	84233-444951	99	UNKNOWN	2,115	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	84239-444949	99	UNKNOWN	1,104	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	A121355	99	UNKNOWN	44,937	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	Joint Personnel Agreement - Ra (B4458)	99	UNKNOWN	(867)	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - CENZER, IRENA	99	UNKNOWN	18,370	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - COHEN, BETH	99	UNKNOWN	6,246	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - HAAN, MARY	99	UNKNOWN	8,777	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - LEE, SEI	99	UNKNOWN	71,439	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - LOEWY, RACHEL	99	UNKNOWN	45,514	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - MACKIN, ROBERT	99	UNKNOWN	39,601	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - MAGUEN	99	UNKNOWN	15,458	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - MAKLASHINA	99	UNKNOWN	184,192	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - MICHAEL HOPE	99	UNKNOWN	18,317	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - MUKHERJEE	99	UNKNOWN	15,564	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - OWEN, JULIA	99	UNKNOWN	78	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - SALONER, DAVID	99	UNKNOWN	71,005	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - SUDORE, REBECCA	99	UNKNOWN	97,337	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - ZHANG, YU	99	UNKNOWN	86,263	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	JPA - HENDERSON SABES	99	UNKNOWN	96,143	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF #A125195	99	UNKNOWN	47,811	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF #A125197	99	UNKNOWN	71,924	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A121247	99	UNKNOWN	(787)	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A121262	99	UNKNOWN	16,224	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A121321	99	UNKNOWN	(3,221)	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A121357	99	UNKNOWN	15,564	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A121400	99	UNKNOWN	21,838	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A121562	99	UNKNOWN	(560)	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A121580	99	UNKNOWN	2,502	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A121938	99	UNKNOWN	23,161	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A121959	99	UNKNOWN	194,943	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A121975	99	UNKNOWN	30,758	

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				Total Federal Expenditures	Pass-Through to Subrecipients
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A121979	99	UNKNOWN	87,839	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A122189	99	UNKNOWN	27,669	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A122191	99	UNKNOWN	63,856	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A122581	99	UNKNOWN	20,752	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A122582	99	UNKNOWN	28,371	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A122743	99	UNKNOWN	294,674	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A124078	99	UNKNOWN	86,066	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A124079	99	UNKNOWN	273,583	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A124450	99	UNKNOWN	45,345	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A124495	99	UNKNOWN	4,324	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A124553	99	UNKNOWN	25,780	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	UCSF#A125083	99	UNKNOWN	54,608	
SCALE-FREE UNTETHERED NETWORK SYSTEMS TECHNOLOGY	A00-0627-003	99	UNKNOWN	98,680	
SRI INTERNATIONAL	19-000213-004	99	UNKNOWN	229,811	
SRI INTERNATIONAL	A16-0013-001	99	UNKNOWN	107,593	
STONE AEROSPACE/PSC, INC.	A16-0296-001	99	UNKNOWN	3,773	
TETRA TECH, INC.	A15-0141-001	99	UNKNOWN	6,930	
UNIVERSAL TECHNOLOGY CORPORATION	A16-0236-001	99	UNKNOWN	20,234	
UNIVERSITY OF MINNESOTA	A003571420	99	UNKNOWN	128,384	
UNIVERSITY OF MINNESOTA	A16-0585-001	99	UNKNOWN	25,378	
UNIVERSITY OF SOUTH FLORIDA	A16-0255-001	99	UNKNOWN	34,885	
VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA BELIAKOVA-BETHELL ID15-VMR	99	UNKNOWN	4,557	
VIRGINIA FOUNDATION FOR THE HUMANITIES AND PUBLIC POLICY	A16-0120-001	99	UNKNOWN	14,998	
Subtotal Pass-Through and Partial Pass-Through Awards				40,165,432	3,694,447
Total Other Federal Agencies				40,849,566	3,709,823
Total Research and Development Cluster				3,481,395,869	427,320,229
DEPARTMENT OF AGRICULTURE - COOPERATIVE EXTENSION CLUSTER					
Direct Awards		10	500	12,381,954	12,750
Pass-Through and Partial Pass-Through					
KANSAS STATE UNIVERSITY	Kansas State University - S15051	10	500	31,477	
KANSAS STATE UNIVERSITY	KANSAS STATE UNIVERSITY-S16006	10	500	19,627	
KANSAS STATE UNIVERSITY	KANSAS STATE UNIVERSITY-S16069	10	500	31,728	
KANSAS STATE UNIVERSITY	KANSAS STATE UNIVERSITY-S15167	10	500	738	
PURDUE UNIVERSITY	PURDUE UNIV 8000065349 LESTER 05/15	10	500	11,118	
UNIVERSITY OF WYOMING	UNIVERSITY OF WYOMING; 1001769	10	500	5,933	
UNIVERSITY OF WYOMING	UNIVERSITY OF WYOMING-1002139	10	500	3,804	
UNIVERSITY OF WYOMING	UW Y11-1099	10	500	6,573	
WASHINGTON STATE UNIVERSITY	WASHINGTON STATE UNIVERSI-108815 GO	10	500	16,471	
WASHINGTON STATE UNIVERSITY	Washington State University-108815_	10	500	9,794	
Subtotal Pass-Through and Partial Pass-Through Awards				137,263	-
Total Department of Agriculture - Cooperative Extension Cluster				12,519,217	12,750

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
DEPARTMENT OF AGRICULTURE - SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM (SNAP) CLUSTER				
Pass-Through and Partial Pass-Through				
ALAMEDA COUNTY	Alameda County #Contract 11069	10 551	25,966	
ALAMEDA COUNTY	Alameda County - 12333	10 551	52,676	
TULARE, COUNTY OF	GENT-2015-38	10 551	43,788	
ALPINE, COUNTY OF	EW-2015-01	10 561	9,962	
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	15-IA-00006	10 561	1,838	
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	25857	10 561	1,481,959	
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	25879	10 561	4,431,443	202,348
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	CDSS; MCA; 12-2039	10 561	(30)	
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	88296	10 561	4,238,298	
GLENN, COUNTY OF	EW201409	10 561	(943)	
GLENN, COUNTY OF	RD210-G1	10 561	27,350	
RIVERSIDE COUNTY	RIVERSIDE COUNTY-CW-02769	10 561	7,223	
RIVERSIDE COUNTY	SA132047UCD	10 561	6,825	
Subtotal Pass-Through and Partial Pass-Through Awards			10,326,355	202,348
Total Department of Agriculture - Supplemental Nutrition Assistance Program Cluster			10,326,355	202,348
DEPARTMENT OF LABOR - WIA/WIOA CLUSTER				
Pass-Through and Partial Pass-Through				
CALIFORNIA EMPLOYMENT DEVELOPMENT DEPARTMENT	CA/EDD K391536 LYDER 06/14 10%	17 258	571	
CITY OF LOS ANGELES	A-CITYOFLA/DOL C-121135 LOEHER 6/13	17 259	(252)	
CITY OF LOS ANGELES	LA/USDOL T4976C-119143 LOEHER 06/12	17 259	(253)	
Subtotal Pass-Through and Partial Pass-Through Awards			66	-
Total Department of Labor - WIA/WIOA Cluster			66	-
DEPARTMENT OF TRANSPORT - FEDERAL TRANSIT CLUSTER				
Pass-Through and Partial Pass-Through				
DAVIS, CITY OF	201016490	20 500	41,346	
Total Department of Transportation - Federal Transit Cluster			41,346	-
DEPARTMENT OF TRANSPORT- HIGHWAY SAFETY CLUSTER				
Pass-Through and Partial Pass-Through				
CALIFORNIA OFFICE OF TRAFFIC SAFETY	CALIFORNIA OFFICE OF TRAFFIC SAFETY (18978)	20 616	(1,268)	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS1505	20 616	219,000	
CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS1623	20 616	76,081	
Subtotal Pass-Through and Partial Pass-Through Awards			293,813	-

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal CFDA Number	FY 2016	
			Total Federal Expenditures	Pass-Through to Subrecipients
Total Department of Transportation - Highway Safety Cluster			293,813	-
DEPARTMENT OF EDUCATION - TRIO CLUSTER				
Direct Awards				
DEPARTMENT OF EDUCATION	Various	84 042	1,424,540	
DEPARTMENT OF EDUCATION	Various	84 044	2,941,022	
DEPARTMENT OF EDUCATION	Various	84 047	2,532,033	
DEPARTMENT OF EDUCATION	Various	84 047	419,056	
DEPARTMENT OF EDUCATION	Various	84 217	557,138	
Subtotal Direct Awards			7,873,789	-
Pass-Through and Partial Pass-Through				
TEHAMA, COUNTY OF	P044A110708	84 044	199,177	
STATE CENTER COMMUNITY COLLEGE DISTRICT	STATE CENTER COMMUNITY COLLEGE-Y16-	84 047	2,576	
Subtotal Pass-Through and Partial Pass-Through Awards			201,753	-
Total Department of Education - TRIO Cluster			8,075,542	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES - AGING CLUSTER				
ADMINISTRATION ON AGING				
Pass-Through and Partial Pass-Through				
COUNTY OF SONOMA	COUNTY OF SONOMA-XX-2013-33	93 044	(2,820)	
COUNTY OF SONOMA	XX201433	93 044	(1,473)	
COUNTY OF SONOMA	XX-2015-33	93 044	49,793	
Subtotal Pass-Through and Partial Pass-Through Awards			45,500	-
Total Department of Health and Human Services - Aging Cluster			45,500	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES - HEALTH CENTER PROGRAM CLUSTER				
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION				
Direct Awards				
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 224	1,283,248	
Pass-Through and Partial Pass-Through				
ALTAMED HEALTH SERVICES CORPORATION	H80CS00142	93 224	24,618	
NORTHEAST VALLEY HEALTH CORPORATION	20141037	93 224	394,134	
Subtotal Pass-Through and Partial Pass-Through Awards			418,752	-
Total Department of Health and Human Services - Health Center Program Cluster			1,702,000	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES - TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF) CLUSTER				

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
ADMINISTRATION FOR CHILDREN AND FAMILIES				
Pass-Through and Partial Pass-Through				
AMADOR, COUNTY OF	EW-2015-02	93 558	11,874	
BUTTE, COUNTY OF	C000113325	93 558	5,530	
BUTTE, COUNTY OF	EW201403	93 558	660	
BUTTE, COUNTY OF	EW-2015-03	93 558	18,960	
COLUSA, COUNTY OF	COLUSA, COUNTY OF-EW-2013-05	93 558	(1,821)	
COLUSA, COUNTY OF	CW-2015-05	93 558	4,200	
COLUSA, COUNTY OF	EW201405	93 558	616	
COLUSA, COUNTY OF	EW-2015-05	93 558	41,746	
CONTRA COSTA COUNTY	196993	93 558	5,204	
CONTRA COSTA COUNTY	19-699-5	93 558	240,275	
CONTRA COSTA COUNTY	CONTRA COSTA COUNTY 19-699-1	93 558	75	
COUNTY OF MARIN	EW201417	93 558	(1,830)	
COUNTY OF MARIN	EW-2015-17	93 558	17,815	
COUNTY OF SAN BERNARDINO	EW-2015-50	93 558	7,110	
COUNTY OF SOLANO	WK201432	93 558	1,449	
COUNTY OF SOLANO	WK-2015-32	93 558	50,955	
COUNTY OF SONOMA	COUNTY OF SONOMA-WK-2013-33	93 558	(945)	
COUNTY OF SONOMA	CW201433	93 558	(2,559)	
COUNTY OF SONOMA	WK201433	93 558	(453)	
COUNTY OF SONOMA	WK-2015-33	93 558	102,158	
DEL NORTE COUNTY	EW-2015-06	93 558	24,885	
EL DORADO, COUNTY OF	EW201407	93 558	(676)	
EL DORADO, COUNTY OF	EW-2015-07	93 558	14,220	
FRESNO COUNTY	EW-2015-08	93 558	178,521	
HUMBOLDT COUNTY	EW-2015-10	93 558	48,890	
IMPERIAL COUNTY	EW201444	93 558	425	
KERN COUNTY	273-2015	93 558	145,365	
KERN COUNTY	4202014	93 558	(48)	
KINGS, COUNTY OF	EW-2015-13	93 558	36,735	
LAKE, COUNTY OF	EW201414	93 558	528	
LAKE, COUNTY OF	EW-2015-14	93 558	96,515	
MADERA, COUNTY OF	CW-2015-16	93 558	12,245	
MADERA, COUNTY OF	EW201416	93 558	1,221	
MARIPOSA, COUNTY OF	EW201418	93 558	476	
MARIPOSA, COUNTY OF	EW-2015-18	93 558	25,787	
MERCED, COUNTY OF	MERCED, COUNTY OF-UCD13-06864	93 558	2,288	
MERCED, COUNTY OF	A14517EW201419	93 558	(7,554)	
MERCED, COUNTY OF	EW-2015-19	93 558	114,267	
MODOC, COUNTY OF	EW-2015-20	93 558	20,145	
MONO, COUNTY OF	EW-2015-21	93 558	20,145	
MONTEREY COUNTY	A13362EW201422	93 558	5,019	
MONTEREY COUNTY	EW-2015-22	93 558	98,611	
NAPA, COUNTY OF	NAPA, COUNTY OF-EW-2013-23	93 558	(923)	

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal		FY 2016	
		CFDA Number	Federal	Total Federal Expenditures	Pass-Through to Subrecipients
NAPA, COUNTY OF	EW201423	93	558	176	
NAPA, COUNTY OF	EW-2015-23	93	558	45,124	
NEVADA, COUNTY OF	EW201424	93	558	447	
NEVADA, COUNTY OF	EW-2015-24	93	558	62,250	
OWENS VALLEY CAREER DEVELOPMENT CENTER	OWENS VALLEY CAREER -13-14-127	93	558	(212)	
PLACER, COUNTY OF	EW-2015-25	93	558	26,070	
PLUMAS, COUNTY OF	EW201426	93	558	(896)	
RIVERSIDE COUNTY	WK-2015-48	93	558	4,740	
SACRAMENTO, COUNTY OF	SACRAMENTO, COUNTY O-DHAT0313	93	558	2,076	
SACRAMENTO, COUNTY OF	SACRAMENTO, COUNTY OF-DHA-T-03-14	93	558	2,640	
SACRAMENTO, COUNTY OF	DHAT0315	93	558	3,965	
SAN BENITO, COUNTY OF	EW201427	93	558	(216)	
SAN BENITO, COUNTY OF	EW-2015-27	93	558	18,960	
SAN JOAQUIN COUNTY	SAN JOAQUIN COUNTY-EW-2013-28	93	558	284	
SAN JOAQUIN COUNTY	EW-2015-28	93	558	94,800	
SAN JOAQUIN COUNTY	WK-2015-28	93	558	7,110	
SANTA BARBARA, COUNTY OF	GENT201454	93	558	(45)	
SANTA BARBARA, COUNTY OF	GENT-2015-54	93	558	26,070	
SANTA CRUZ, COUNTY OF	CW-2015-56	93	558	18,762	
SANTA CRUZ, COUNTY OF	EW201456	93	558	4,698	
SANTA CRUZ, COUNTY OF	EW-2015-56	93	558	153,173	
SHASTA, COUNTY OF	SHASTA, COUNTY OF-CW-2013-29	93	558	(604)	
SHASTA, COUNTY OF	SHASTA, COUNTY OF-EW-2013-29	93	558	(1,646)	
SHASTA, COUNTY OF	GENT201429	93	558	1,150	
SHASTA, COUNTY OF	GENT-2015-29	93	558	37,990	
SIERRA, COUNTY OF	EW-2015-30	93	558	11,623	
SISKIYOU, COUNTY OF	EW201431	93	558	(1,386)	
SISKIYOU, COUNTY OF	EW-2015-31	93	558	30,262	
STANISLAUS, COUNTY OF	8909sc	93	558	21,330	
STANISLAUS, COUNTY OF	EW-2015-34	93	558	11,850	
STANISLAUS, COUNTY OF	GENT-2015-34	93	558	21,330	
SUTTER COUNTY	EW-2015-35	93	558	32,838	
TEHAMA, COUNTY OF	EW201436	93	558	284	
TEHAMA, COUNTY OF	EW-2015-36	93	558	15,514	
TRINITY, COUNTY OF	EW201437	93	558	1,923	
TRINITY, COUNTY OF	EW-2015-37	93	558	27,255	
TULARE, COUNTY OF	EW-2015-38	93	558	28,045	
TUOLUMNE, COUNTY OF	EW-2015-39	93	558	11,850	
VENTURA COUNTY	VENTRUA COUNTY PC5320B130217	93	558	34,725	
YOLO COUNTY	EW201440	93	558	(2,081)	
YOLO COUNTY	EW-2015-40	93	558	2,370	
YUBA COUNTY	EW-2015-41	93	558	31,919	
INYO, COUNTY OF (ARRA)	EW-2015-11	93	714	36,735	
Subtotal Pass-Through and Partial Pass-Through Awards				2,161,358	

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal CFDA Number	FY 2016	
			Total Federal Expenditures	Pass-Through to Subrecipients
Total Department of Health and Human Services - Temporary Assistance for Needy Families (TANF) Cluster			2,161,358	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES - CHILD CARE AND DEVELOPMENT FUND (CCDF) CLUSTER				
ADMINISTRATION FOR CHILDREN AND FAMILIES				
CALIFORNIA CHILD DEVELOPMENT DIVISION	CN150183	93 575	281,590	
CALIFORNIA DEPARTMENT OF EDUCATION	CAL DE(DHHS)CSPP3528 VOSS 6/14	93 575	(11,222)	
CALIFORNIA DEPARTMENT OF EDUCATION	CAL DE(DHHS)CCTR-3272 VOSS 614	93 575	(18,189)	
CALIFORNIA DEPARTMENT OF EDUCATION	Cal DE (DHHS)CSPP5510 Voss 616	93 575	24,483	
CALIFORNIA DEPARTMENT OF EDUCATION	CCTR-4269	93 575	113	
CALIFORNIA DEPARTMENT OF EDUCATION	CCTR-5162-cyc1	93 575	180,715	
CALIFORNIA DEPARTMENT OF EDUCATION	CCTR-5264	93 575	55,095	
CALIFORNIA DEPARTMENT OF EDUCATION	CAL DE(DHHS)CSPP3528 VOSS 6/14	93 596	(11,170)	
CALIFORNIA DEPARTMENT OF EDUCATION	CAL DE(DHHS)CCTR3272 VOSS 6/14	93 596	(6,385)	
CALIFORNIA DEPARTMENT OF EDUCATION	CAL DE(DHHS)CCTR4269 VOSS 6/15	93 596	118	
CALIFORNIA DEPARTMENT OF EDUCATION	Cal DE (DHHS)CCTR5264 Voss 616	93 596	102,286	
CALIFORNIA DEPARTMENT OF EDUCATION	CSPP-4331-CYC1	93 596	(591)	
CALIFORNIA DEPARTMENT OF EDUCATION	CSPP-5325-cyc1	93 596	94,540	
CALIFORNIA DEPARTMENT OF EDUCATION	CSPP-5510	93 596	48,703	
CALIFORNIA DEPARTMENT OF EDUCATION	A14-0002-001	93 596	702	
Subtotal Pass-Through and Partial Pass-Through Awards			740,788	-
Total Department of Health and Human Services - Child Care and Development Fund (CCDF) Cluster			740,788	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES - TITLE IV-E FOSTR CARE PROGRAM CLUSTER				
ADMINISTRATION FOR CHILDREN AND FAMILIES				
Pass-Through and Partial Pass-Through				
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	14-2025	93 658	7,555,105	7,508,495
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	15-IA-00850	93 658	18,203,429	15,625,677
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	13-2011	93 658	33,188	
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	142009	93 658	1,850,791	
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	142021	93 658	153,944	
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	15-IA-01124	93 658	1,740,997	18,906
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	CALIFORNIA DEPARTMEN-132007	93 658	38,843	
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	CALIF DEPT SOCIAL SERVICES; 12-2006	93 658	869	
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	CALIFORNIA DEPARTMENT OF SOC-15-IA-	93 658	1,786,403	
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	00008508	93 658	893	
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	00008907:01	93 658	1,119,299	
COUNTY OF SONOMA	CW-2015-33	93 658	31,497	
FRESNO COUNTY	EW201408	93 658	907	
GLENN, COUNTY OF	C000107165	93 658	1,027	
GLENN, COUNTY OF	C000113218	93 658	144,631	
HUMBOLDT COUNTY	CW201410	93 658	(612)	
LAKE, COUNTY OF	CW-2015-15	93 658	5,925	

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal		FY 2016	
		CFDA Number	Federal	Total Federal Expenditures	Pass-Through to Subrecipients
MADERA, COUNTY OF	CW201416	93	658	1,665	
MADERA, COUNTY OF	EW-2015-16	93	658	38,492	
MENDOCINO, COUNTY OF	MENDOCINO, COUNTY OF-C000112646	93	658	18,047	
MENDOCINO, COUNTY OF	C000113345	93	658	12,314	
MERCED, COUNTY OF	A14516CW201419	93	658	4,979	
MERCED, COUNTY OF	CW-2015-19	93	658	26,347	
NAPA, COUNTY OF	CW201423	93	658	438	
NEVADA, COUNTY OF	NEVADA, COUNTY OF-C000106112	93	658	(11)	
NEVADA, COUNTY OF	NEVADA, COUNTY OF-C000113176	93	658	17,666	
PLACER, COUNTY OF	CW-2015-25	93	658	5,925	
PLUMAS, COUNTY OF	CW-2015-26	93	658	1,975	
SACRAMENTO, COUNTY OF	SACRAMENTO, COUNTY OF-720500014314	93	658	(613)	
SACRAMENTO, COUNTY OF	7205000-15-314	93	658	(6,032)	
SACRAMENTO, COUNTY OF	7205000-16-314	93	658	78,363	
SACRAMENTO, COUNTY OF	7205000-16-585	93	658	59,360	
SACRAMENTO, COUNTY OF	7205000-16-589	93	658	34,272	
SAN BENITO, COUNTY OF	CW-2015-27	93	658	7,900	
SAN JOAQUIN COUNTY	SAN JOAQUIN COUNTY-CW-2013-28	93	658	(1,670)	
SAN JOAQUIN COUNTY	CW-2015-28	93	658	11,850	
SAN LUIS OBISPO, COUNTY OF	SAN LUIS OBISPO, COU-25007671	93	658	115	
SAN LUIS OBISPO, COUNTY OF	PO25009029	93	658	27,272	
SUTTER COUNTY	C000112496	93	658	2,873	
YOLO COUNTY	YOLO COUNTY-PQCR-2014-05	93	658	(653)	
YUBA COUNTY	CW-2015-41	93	658	5,925	
Subtotal Pass-Through and Partial Pass-Through Awards				33,013,935	23,153,078
Total Department of Health and Human Services - Title IV Foster Care Program Cluster				33,013,935	23,153,078
DEPARTMENT OF HEALTH AND HUMAN SERVICES - MEDICAID CLUSTER					
HCFA CENTERS FOR MEDICARE AND MEDICAID SERVICES					
ALPINE, COUNTY OF	GENT-2015-01	93	778	1,845	
CALIFORNIA DEPARTMENT OF AGING	CA DEPT AGING, #MS-1112-12	93	778	16,021	
CALIFORNIA DEPARTMENT OF AGING	CDHW; MS-1011-12	93	778	12,405	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	14-10012	93	778	228,980	
TEHAMA, COUNTY OF	XX-2015-36	93	778	2,370	
YUBA COUNTY	XX-2015-41	93	778	2,370	
Subtotal Pass-Through and Partial Pass-Through Awards				263,991	-
Total Department of Health and Human Services - Medicaid Cluster				263,991	-
OTHER PROGRAMS					
DEPARTMENT OF AGRICULTURE					

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
Direct Awards				
DEPARTMENT OF AGRICULTURE	Various	10 001	56,013	
DEPARTMENT OF AGRICULTURE	Various	10 025	18,783	
DEPARTMENT OF AGRICULTURE	Various	10 025	1,092,130	
Subtotal Program - Direct Awards			1,110,913	-
DEPARTMENT OF AGRICULTURE	Various	10 170	34,650	
DEPARTMENT OF AGRICULTURE	Various	10 173	17,424	
DEPARTMENT OF AGRICULTURE	Various	10 200	18,218	
DEPARTMENT OF AGRICULTURE	Various	10 202	12,375	
DEPARTMENT OF AGRICULTURE	Various	10 206	71,032	
DEPARTMENT OF AGRICULTURE	Various	10 210	560	
DEPARTMENT OF AGRICULTURE	Various	10 303	119,610	23,111
DEPARTMENT OF AGRICULTURE	Various	10 304	211,477	
DEPARTMENT OF AGRICULTURE	Various	10 307	87,541	13,533
DEPARTMENT OF AGRICULTURE	Various	10 309	136,181	
DEPARTMENT OF AGRICULTURE	Various	10 310	20,202	
DEPARTMENT OF AGRICULTURE	Various	10 311	(917)	
DEPARTMENT OF AGRICULTURE	Various	10 329	254,325	
DEPARTMENT OF AGRICULTURE	Various	10 460	26,085	
DEPARTMENT OF AGRICULTURE	Various	10 612	79,813	
DEPARTMENT OF AGRICULTURE	Various	10 652	323	
DEPARTMENT OF AGRICULTURE	Various	10 680	409,487	
DEPARTMENT OF AGRICULTURE	Various	10 688	21,468	
DEPARTMENT OF AGRICULTURE	Various	10 777	53,400	
DEPARTMENT OF AGRICULTURE	Various	10 868	17,380	
DEPARTMENT OF AGRICULTURE	Various	10 962	203,950	
DEPARTMENT OF AGRICULTURE	Various	10 UNKNOWN	687,306	12,899
Subtotal Direct Awards			3,648,816	49,543
Pass-Through and Partial Pass-Through				
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	140592SF	10 025	9,362	
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	RUTGERS; 5126-AYR2	10 025	9,898	
Subtotal Program - Pass-Through and Partial Pass-Through			19,260	-
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	201402716-01	10 170	364	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CDFA SCB12040	10 170	861	5,158
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMEN-SCB13043	10 170	146,717	55,629
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CALIFORNIA DEPARTMEN-SCB13046	10 170	123,525	8,541
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	CA DEPT FOOD AND AG; SCB12005	10 170	983	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13009	10 170	12,881	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB13022	10 170	80,998	
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SCB15029	10 170	89,498	
RANCHO CALIFORNIA WATER DISTRICT	RANCHO CALIFORNIA WATER DISTRI-Y13-	10 170	13,672	
Subtotal Program - Pass-Through and Partial Pass-Through			469,499	69,328
AMERICAN SHEEP AND GOAT CENTER	See Replacement Fund 28A95	10 173	(17,424)	
CALIFORNIA STATE UNIVERSITY FULLERTON/CSU FULLERTON AUXILIARY SERVICES	20113841130536	10 217	(459)	
CORNELL UNIVERSITY	641889732	10 309	2,926	

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal		FY 2016	
		CFDA Number	Federal	Total Federal Expenditures	Pass-Through to Subrecipients
UNIVERSITY OF MARYLAND	UNIV OF MARYLAND; Z552804	10	310	209,405	
UNIVERSITY OF MISSOURI	C000501441 Amd 02	10	310	76,732	30,554
Subtotal Program - Pass-Through and Partial Pass-Through				286,137	30,554
OREGON STATE UNIVERSITY	C0494AB	10	328	8,045	
KASHIA BAND OF THE POMO INDIANS OF THE STEWARTS POINT RANCHERIA	KASHIA BAND OF THE POMO INDIAN-Y15-	10	329	3,646	
FRESNO AREA WORKFORCE INVESTMENT CORPORATION	FRESNO AREA WORKFORCE INVESTME-936	10	443	8,129	
FRESNO COUNTY ECONOMIC OPPORTUNITIES COMMISSION	Fresno County EOC - Award #Y14-2507	10	443	4,379	
Subtotal Program - Pass-Through and Partial Pass-Through				12,508	-
CALIFORNIA DEPARTMENT OF EDUCATION	003376	10	558	80,000	
CALIFORNIA DEPARTMENT OF EDUCATION	301466-1A-CYC33	10	558	13,935	
CALIFORNIA DEPARTMENT OF EDUCATION	301466-1A-cyc34	10	558	39,970	
Subtotal Program - Pass-Through and Partial Pass-Through				133,905	-
CITY AND COUNTY OF SAN FRANCISCO	201503850	10	568	21,330	
YOLO COUNTY	201602102	10	575	3,329	
WATERSHED RESEARCH AND TRAINING CENTER	WATERSHED RESEARCH AND TRAI-194_201	10	664	27,376	
CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION	CALIFORNIA DEPARTMENT OF FORES-8GA1	10	675	214,957	
NATIONAL FOREST FOUNDATION	ZH-501	10	682	181,729	
CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION	CALIFORNIA DEPARTMENT OF FORES-S-00	10	UNKNOWN	25,584	
COUNTERPART INTERNATIONAL, INC	1028A4	10	UNKNOWN	99,306	
CSU SAN BERNARDINO/UNIVERSITY ENTERPRISES CORPORATION	UCD2014G55	10	UNKNOWN	22,913	
FOOD BANK COALITION OF SAN LUIS OBISPO COUNTY	FOOD BANK COALITION -ADVANCE	10	UNKNOWN	11,433	
STANISLAUS, COUNTY OF	STANISLAUS, COUNTY OF-Y14-2149	10	UNKNOWN	99,577	
CALIFORNIA EMERGENCY MANAGEMENT AGENCY	AT15011141	10	UNKNOWN	225,000	
Subtotal Pass-Through and Partial Pass-Through Awards				1,850,577	99,882
Total Department of Agriculture				5,499,393	149,425
DEPARTMENT OF COMMERCE					
Direct Awards					
DEPARTMENT OF COMMERCE	Various	11	008	145,657	
DEPARTMENT OF COMMERCE	Various	11	417	90,366	
DEPARTMENT OF COMMERCE	Various	11	429	2,439	
DEPARTMENT OF COMMERCE	Various	11	463	84,468	20,200
DEPARTMENT OF COMMERCE	Various	11	UNKNOWN	154,629	99,525
Subtotal Direct Awards				477,559	119,725
Pass-Through and Partial Pass-Through					
NATIONAL MARINE SANCTUARY FOUNDATION	15-11-B-00042	11	011	5,330	
Subtotal Pass-Through and Partial Pass-Through Awards				5,330	-
Total Department of Commerce				482,889	119,725
DEPARTMENT OF DEFENSE					
Direct Awards					
DEPARTMENT OF NAVY	Various	12	300	38	
DEPARTMENT OF ARMY	Various	12	400	37,437	
DEPARTMENT OF ARMY	Various	12	420	646,807	
DEPARTMENT OF ARMY	Various	12	431	6,155	

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
SEPARATE AGENCIES	Various	12 431	(1,795)	
Subtotal Program - Direct Awards			4,360	-
SEPARATE AGENCIES	Various	12 900	358,169	
DEPARTMENT OF ARMY	Various	12 UNKNOWN	19,132	
DEPARTMENT OF NAVY	Various	12 UNKNOWN	7,398,461	138,708
SEPARATE AGENCIES	Various	12 UNKNOWN	55	
Subtotal Direct Awards			8,464,459	138,708
Pass-Through and Partial Pass-Through				
THE NATIONAL MARINE MAMMAL FOUNDATION	UCD-0580	12 300	184,023	
AMERICAN BURN ASSOCIATION	UCSF#A119525	12 420	3,913	
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000507860-014	12 420	29,930	
Subtotal Program - Pass-Through and Partial Pass-Through			33,843	-
INSTITUTE OF INTERNATIONAL EDUCATION	NSEP-U631073-UCLA-RUS:3	12 550	311,983	
INSTITUTE OF INTERNATIONAL EDUCATION	PO# 0054-UCLA-10-SSR-280-PO2	12 550	15,000	
Subtotal Program - Pass-Through and Partial Pass-Through			326,983	-
UNIVERSITY OF MINNESOTA	UMINN-A002292501-PACKARD-8/14	12 800	114	
AMERICAN BURN ASSOCIATION	201015946	12 UNKNOWN	45,917	
AMERICAN BURN ASSOCIATION	201121873	12 UNKNOWN	(3,141)	
AMERICAN BURN ASSOCIATION	201121883	12 UNKNOWN	(2,586)	
AMERICAN BURN ASSOCIATION	ABA #W81XWH-08-1-0683	12 UNKNOWN	1,142	
AMERICAN BURN ASSOCIATION	ABA W81XWH-10-1-0527	12 UNKNOWN	808,466	
AVITA MEDICAL AMERICAS LLC	201119925	12 UNKNOWN	262	
POWER ANALYTICS CORPORATION	13-C-0064-05(W912HQ-13-C-0064)	12 UNKNOWN	7,192	
Subtotal Pass-Through and Partial Pass-Through Awards			1,402,215	-
Total Department of Defense			9,866,674	138,708
HOUSING & URBAN DEVELOPMENT				
Pass-Through and Partial Pass-Through				
CITY AND COUNTY OF SAN FRANCISCO	UCSF#A124764	14 267	137,208	
METROPOLITAN TRANSPORTATION COMMISSION	METROPOLITAN TRANSPORTATION CO-2015	14 UNKNOWN	(425)	
Subtotal Pass-Through and Partial Pass-Through Awards			136,783	-
Total Housing & Urban Development			136,783	-
DEPARTMENT OF INTERIOR				
Direct Awards				
DEPARTMENT OF INTERIOR	Various	15 512	38,571	
DEPARTMENT OF INTERIOR	Various	15 631	910	
DEPARTMENT OF INTERIOR	Various	15 656	16,000	
DEPARTMENT OF INTERIOR	Various	15 808	17,039	
DEPARTMENT OF INTERIOR	Various	15 922	6,309	4,772
DEPARTMENT OF INTERIOR	Various	15 933	185,322	
DEPARTMENT OF INTERIOR	Various	15 945	70,955	
DEPARTMENT OF INTERIOR	Various	15 UNKNOWN	1,868,532	
Subtotal Direct Awards			2,203,638	4,772
Pass-Through and Partial Pass-Through				

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
CHUCK & JUDY WHEATLEY	CHUCK & JUDY WHEATLE-Y13-1811	15 631	2,242	
NATIONAL WILDLIFE REFUGE ASSOCIATION	NATIONAL WILDLIFE REFUGE AS-C000111	15 632	93	
NATIONAL FISH AND WILDLIFE FOUNDATION	NFWF 010410036436 PALKVCS 4/15	15 663	3,750	
Subtotal Pass-Through and Partial Pass-Through Awards			6,085	-
Total Department of Interior			2,209,723	4,772
DEPARTMENT OF JUSTICE				
Direct Awards				
DEPARTMENT OF JUSTICE	Various	16 525	102,519	
DEPARTMENT OF JUSTICE	Various	16 526	85,551	
DEPARTMENT OF JUSTICE	Various	16 562	11,068	
DEPARTMENT OF JUSTICE	Various	16 UNKNOWN	318,081	35,108
Subtotal Direct Awards			517,219	35,108
Pass-Through and Partial Pass-Through				
NATIONAL COUNCIL OF JUVENILE AND FAMILY COURT JUDGES	32514-SR-1	16 585	4,281	
NATIONAL COUNCIL OF JUVENILE AND FAMILY COURT JUDGES	32615-SR-4	16 585	52,921	
NATIONAL COUNCIL OF JUVENILE AND FAMILY COURT JUDGES	37015-SR-1	16 585	46,767	
Subtotal Program - Pass-Through and Partial Pass-Through			103,969	-
NATIONAL 4-H COUNCIL	National 4-H Council - Y14-2350	16 726	50,511	19,877
Subtotal Pass-Through and Partial Pass-Through Awards			154,480	19,877
Total Department of Justice			671,699	54,985
DEPARTMENT OF LABOR				
Direct Awards				
DEPARTMENT OF LABOR (ARRA)	Various	17 275	(128,558)	
DEPARTMENT OF LABOR	Various	17 502	223,614	28,581
DEPARTMENT OF LABOR	Various	17 UNKNOWN	16,154	
Subtotal Direct Awards			111,210	28,581
Pass-Through and Partial Pass-Through				
CITY OF LOS ANGELES	CITYLA/USDOL C115878 LOEHER 6/10 5%	17 267	(35)	
CITY OF LOS ANGELES	T5793	17 502	1,643,588	
Subtotal Pass-Through and Partial Pass-Through Awards			1,643,553	-
Total Department of Labor			1,754,763	28,581
DEPARTMENT OF STATE				
Direct Awards				
DEPARTMENT OF STATE	Various	19 001	1,360,451	13,145
DEPARTMENT OF STATE	Various	19 424	10,263	
DEPARTMENT OF STATE	Various	19 UNKNOWN	9,158,598	5,729,440
Subtotal Direct Awards			10,529,312	5,742,585
Pass-Through and Partial Pass-Through				
INTERNATIONAL RESEARCH AND EXCHANGES BOARD, INC.	FY16YALIENUCD01	19 009	38,265	
INTERNATIONAL RESEARCH AND EXCHANGES BOARD, INC.	S-ECAGD-15-CA-1125	19 009	96,046	
Subtotal Program - Pass-Through and Partial Pass-Through			134,311	-
INSTITUTE OF INTERNATIONAL EDUCATION	201403851	19 010	(2,200)	

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal CFDA Number		FY 2016	
				Total Federal Expenditures	Pass-Through to Subrecipients
INSTITUTE OF INTERNATIONAL EDUCATION	3067UCDAVIS	19	010	239,922	
INSTITUTE OF INTERNATIONAL EDUCATION	INSTITUTE OF INTERNATIONAL EDU-2015	19	010	238,137	
INSTITUTE OF INTERNATIONAL EDUCATION	INSTITUTE OF INTERNATIONAL EDU-Adva	19	010	42,132	
Subtotal Program - Pass-Through and Partial Pass-Through				517,991	-
UNITED STATES-INDIA EDUCATIONAL FOUNDATION	USIEF/OSI/2014/03	19	014	50,056	30,980
INTERNATIONAL RESEARCH AND EXCHANGES BOARD, INC.	FY15-YALI-UCB-02	19	021	44,117	
INSTITUTE OF INTERNATIONAL EDUCATION	20160641:1	19	401	47,957	
GLOBAL TIES U.S.	20153845	19	402	21,604	
GLOBAL TIES U.S.	20161491	19	402	11,114	
GLOBAL TIES U.S.	GLOBAL TIES US 20161491 ERICK 09/16	19	402	1,647	
Subtotal Program - Pass-Through and Partial Pass-Through				34,365	-
SAINT PETERSBURG NATIONAL RESEARCH UNIVERSITY OF INFORMATION TECHNOLOG	(ARRA) 20152071	19	700	28,515	
Subtotal Pass-Through and Partial Pass-Through Awards				857,312	30,980
Total Department of State				11,386,624	5,773,565
DEPARTMENT OF TRANSPORT					
Direct Awards					
DEPARTMENT OF TRANSPORT	Various	20	215	20,967	
DEPARTMENT OF TRANSPORT (ARRA)	Various	20	701	256,228	
DEPARTMENT OF TRANSPORT	Various	20	UNKNOWN	15,000	
Subtotal Direct Awards				292,195	-
Pass-Through and Partial Pass-Through					
CALIFORNIA OFFICE OF TRAFFIC SAFETY	CALIFORNIA OFFICE OF TRAFFIC (18205)	20	608	(468)	
APPLIED PAVEMENT TECHNOLOGY, INC.	2010026RR01SUB021	20	UNKNOWN	88,508	
APPLIED PAVEMENT TECHNOLOGY, INC.	TOPR710026RR07UCD1	20	UNKNOWN	14,120	
APPLIED PAVEMENT TECHNOLOGY, INC.	TOPR810026RR08UCD1	20	UNKNOWN	12,066	
DAVIS, CITY OF	201121523	20	UNKNOWN	27,131	
DAVIS, CITY OF	201401317	20	UNKNOWN	335,031	
DAVIS, CITY OF	201502866	20	UNKNOWN	31,242	
Subtotal Pass-Through and Partial Pass-Through Awards				507,630	-
Total Department of Transportation				799,825	-
LIBRARY OF CONGRESS					
Direct Awards					
Total Library of Congress	Various	42	UNKNOWN	246,828	
NATIONAL AERONAUTICS & SPACE ADMINISTRATION					
Direct Awards					
NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Various	43	001	543,606	
NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Various	43	002	46,000	
NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Various	43	008	27,707	
NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Various	43	009	17,801	
NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Various	43	UNKNOWN	71,148	
Subtotal Direct Awards				706,262	-
Pass-Through and Partial Pass-Through					

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal CFDA Number	FY 2016	
			Total Federal Expenditures	Pass-Through to Subrecipients
BAY AREA ENVIRONMENTAL RESEARCH INSTITUTE	201602561	43 001	4,140	
NATIONAL SPACE BIOMEDICAL RESEARCH INSTITUTE	PF03001	43 001	(3,478)	
Subtotal Program - Pass-Through and Partial Pass-Through			662	-
SCIENCE MUSEUM OF MINNESOTA	SCIENCE-040642-PORCELLO-07/16	43 002	7,806	
JET PROPULSION LABORATORY	1473024	43 UNKNOWN	616	
JET PROPULSION LABORATORY	1516993	43 UNKNOWN	160	
JET PROPULSION LABORATORY	JPL JET-1510728-TOSHI K-09/14	43 UNKNOWN	(2,004)	(1,760)
Subtotal Pass-Through and Partial Pass-Through Awards			7,240	(1,760)
Total National Aeronautics & Space Administration			713,502	(1,760)
NATIONAL FOUNDATION ARTS & HUMANITIES				
Direct Awards				
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 024	203,812	
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 130	220,744	
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 149	300,000	
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 149	214,113	
Subtotal Program - Direct Awards			514,113	-
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 160	8,689	
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 161	229,375	
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 163	363,643	
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 164	31,927	
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 169	88,306	
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 301	359,025	68,669
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 309	289,636	
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 312	90,014	3,297
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 313	235,048	122,377
NATIONAL FOUNDATION ARTS & HUMANITIES	Various	45 853	1,122	
Subtotal Direct Awards			2,635,454	194,343
Pass-Through and Partial Pass-Through				
ARHOLIE FOUNDATION, THE	20122751:1	45 149	17,225	
AMERICAN LIBRARY ASSOCIATION	007530	45 164	7,140	
UNIVERSITY OF MASSACHUSETTS AMHERST	15-008716 A 00	45 169	30,308	
Subtotal Pass-Through and Partial Pass-Through Awards			54,673	-
Total National Foundation Arts & Humanities			2,690,127	194,343
SMALL BUSINESS ADMINISTRATION (SBA)				
Direct Awards				
SMALL BUSINESS ADMINISTRATION (SBA)	Various	59 007	1,767,366	1,218,303
SMALL BUSINESS ADMINISTRATION (SBA)	Various	59 058	35,926	12,828
Total Small Business Administration			1,803,292	1,231,131
DEPARTMENT OF VETERANS AFFAIRS				
Direct Awards				
	Various	64 UNKNOWN	2,271,005	
Total Department of Veterans Affairs			2,271,005	-

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
ENVIRONMENTAL PROTECTION AGENCY				
Direct Awards				
ENVIRONMENTAL PROTECTION AGENCY	Various	66 514	14,852	
ENVIRONMENTAL PROTECTION AGENCY	Various	66 716	230,999	74,427
ENVIRONMENTAL PROTECTION AGENCY	Various	66 UNKNOWN	964,875	185,778
Subtotal Direct Awards			1,210,726	260,205
Pass-Through and Partial Pass-Through				
CALIFORNIA DEPARTMENT OF PESTICIDE REGULATION	15-C0052	66 306	89,134	
THE NATIONAL ASSOCIATION OF STATE DEPARTMENT OF AGRICULTURE RESEARCH	THE NATIONAL ASSOCIA-2013CAPSEP\$10K	66 716	3,900	
Subtotal Pass-Through and Partial Pass-Through Awards			93,034	-
Total Environmental Protection Agency			1,303,760	260,205
NUCLEAR REGULATORY COMMISSION				
Direct Awards				
	Various	77 008	52,564	
Total Nuclear Regulatory Commission			52,564	-
DEPARTMENT OF ENERGY				
Direct Awards				
DEPARTMENT OF ENERGY	Various	81 049	1,041,845	
DEPARTMENT OF ENERGY	Various	81 121	463,538	
DEPARTMENT OF ENERGY	Various	81 124	312,896	
DEPARTMENT OF ENERGY	Various	81 136	136,822	
DEPARTMENT OF ENERGY	Various	81 UNKNOWN	2,322,541	
DEPARTMENT OF ENERGY (ARRA)	Various	81 UNKNOWN	(61)	
Subtotal Direct Awards			4,277,581	-
Pass-Through and Partial Pass-Through				
ARGONNE NATIONAL LABORATORY	ARGONNE NATIONAL LABORATORY-3681712	81 UNKNOWN	15,000	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B599115	81 UNKNOWN	29,743	
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B611823	81 UNKNOWN	60,473	
LOS ALAMOS NATIONAL SECURITY, LLC	325537	81 UNKNOWN	17,389	
LOS ALAMOS NATIONAL SECURITY, LLC	LOS ALA-301588-ANTON T-09/14	81 UNKNOWN	25,883	
SANDIA NATIONAL LABORATORIES	1384040	81 UNKNOWN	40,000	
SANDIA NATIONAL LABORATORIES	1486765	81 UNKNOWN	35,000	
Subtotal Pass-Through and Partial Pass-Through Awards			223,488	-
Total Department of Energy			4,501,069	-
DEPARTMENT OF EDUCATION				
Direct Awards				
DEPARTMENT OF EDUCATION	Various	84 007	189,582	
DEPARTMENT OF EDUCATION	Various	84 015	2,765,962	55,171
DEPARTMENT OF EDUCATION	Various	84 021	94,965	46,485
DEPARTMENT OF EDUCATION	Various	84 022	753,052	
DEPARTMENT OF EDUCATION	Various	84 031	1,497,924	
DEPARTMENT OF EDUCATION	Various	84 170	(10,978)	
DEPARTMENT OF EDUCATION	Various	84 200	36,749	

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal		FY 2016	
		CFDA Number	Federal Expenditures	Total Federal Expenditures	Pass-Through to Subrecipients
DEPARTMENT OF EDUCATION	Various	84	200	2,333,254	
Subtotal Program - Direct Awards				2,370,003	-
DEPARTMENT OF EDUCATION	Various	84	220	(1,455)	
DEPARTMENT OF EDUCATION	Various	84	229	133,300	
DEPARTMENT OF EDUCATION	Various	84	305	402,934	
DEPARTMENT OF EDUCATION	Various	84	324	91,724	
DEPARTMENT OF EDUCATION	Various	84	326	67,000	
DEPARTMENT OF EDUCATION	Various	84	334	3,289,990	
DEPARTMENT OF EDUCATION	Various	84	334	5,518,197	345,825
Subtotal Program - Direct Awards				8,808,187	345,825
DEPARTMENT OF EDUCATION	Various	84	335	739,227	
DEPARTMENT OF EDUCATION	Various	84	336	1,881,253	258,964
DEPARTMENT OF EDUCATION	Various	84	365	125,419	
DEPARTMENT OF EDUCATION	Various	84	367	39,256	
DEPARTMENT OF EDUCATION	Various	84	407	143,130	29,813
DEPARTMENT OF EDUCATION	Various	84	411	688,356	311,861
DEPARTMENT OF EDUCATION	Various	84	UNKNOWN	615,468	
Subtotal Direct Awards				21,394,309	1,048,119
Pass-Through and Partial Pass-Through					
UNIVERSITY OF SOUTHERN CALIFORNIA	55655151	84	015	183,372	
UNIVERSITY OF SOUTHERN CALIFORNIA	55655350	84	015	91,574	
Subtotal Program - Pass-Through and Partial Pass-Through				274,946	-
SANTA MONICA COLLEGE	A121646NC:3	84	031	301,186	
SAN JOSE CITY COLLEGE	A16-0099-001	84	031	14,287	
Subtotal Program - Pass-Through and Partial Pass-Through				315,473	-
UNIVERSITY OF MINNESOTA	A004497001	84	116	81,030	
SAN MATEO COUNTY	A16-0055	84	120	8,017	
CALIFORNIA DEPARTMENT OF REHABILITATION	28632	84	126	(1,240)	
CALIFORNIA DEPARTMENT OF REHABILITATION	29716	84	126	303,813	
CALIFORNIA DEPARTMENT OF REHABILITATION	UCSF#A121902	84	126	613,587	
Subtotal Program - Pass-Through and Partial Pass-Through				916,160	-
NEWTOWN PUBLIC SCHOOL DISTRICT	S184S140014	84	184	17,294	
MISSION ECONOMIC DEVELOPMENT AGENCY	A121767	84	215	30,401	
MISSION ECONOMIC DEVELOPMENT AGENCY	UCSF #A121828	84	215	71,864	
Subtotal Program - Pass-Through and Partial Pass-Through				102,265	-
WESTED	S12-173:3	84	283	481,601	
LOS ANGELES UNIFIED SCHOOL DISTRICT	1200264/4400002260:3	84	334	48,343	
RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT	DO-14-1517-02-cyc1	84	334	142,842	
Subtotal Program - Pass-Through and Partial Pass-Through				191,185	-
CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS FOUNDATION	F15-449	84	336	1,044	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB11CWPUCD	84	363	496	
STANFORD UNIVERSITY	STANFORD UNIVERSITY-201400635	84	365	133,261	
YOLO COUNTY OFFICE OF EDUCATION	201402994	84	366	247,128	
CALIFORNIA DEPARTMENT OF EDUCATION	NCLB11-CMP-UCLA	84	367	(993)	
CALIFORNIA DEPARTMENT OF EDUCATION	NCLB11-CRLP-UCLA	84	367	(628)	

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal		FY 2016	
		CFDA Number	Federal Expenditures	Total Federal Expenditures	Pass-Through to Subrecipients
CALIFORNIA DEPARTMENT OF EDUCATION	NCLB11-CSP-UCLA	84 367		(574)	
CALIFORNIA DEPARTMENT OF EDUCATION	NCLB11-CWP-UCLA	84 367		1,083	
CALIFORNIA DEPARTMENT OF EDUCATION	15-15196-3004-00	84 367		72,174	
CALIFORNIA DEPARTMENT OF EDUCATION	CA DOE/US DOE CN140132 MOORE 12/15	84 367		841,288	816,081
CALIFORNIA DEPARTMENT OF EDUCATION	CN150131	84 367		74,705	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	007865	84 367		20,468	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	007866	84 367		37,805	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB11A-CHSSP-SO	84 367		(3,780)	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB11-CHSSP-SO	84 367		(1,515)	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB12-CHSSP-SO	84 367		138,916	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB12-CHSSP-UCB	84 367		45,703	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB12-CHSSP-UCD	84 367		45,000	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB12-CMP-UCD	84 367		21,770	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB12-CWLP-UCB	84 367		27,648	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB12-CWP-UCD	84 367		37,808	
NATIONAL WRITING PROJECT	005709	84 367		9,536	
NATIONAL WRITING PROJECT	01-CA18-SEED#1TLP	84 367		3,390	
NATIONAL WRITING PROJECT	NATIONAL WRITING PROJEC-92-CA05-SEE	84 367		16,544	
NATIONAL WRITING PROJECT	92CA05SEED2012	84 367		20,000	
NATIONAL WRITING PROJECT	92-CA05-SEED2016	84 367		1,630	
NATIONAL WRITING PROJECT	92-CA09-SEED2012	84 367		8,257	
NATIONAL WRITING PROJECT	92-CA09-SEED2012:3	84 367		5,687	
NATIONAL WRITING PROJECT	92-CA09-SEED2016	84 367		420	
NATIONAL WRITING PROJECT	92-CA14-SEED2012	84 367		3,833	
NATIONAL WRITING PROJECT	92-CA15-SEED2012-02A	84 367		9,999	
NATIONAL WRITING PROJECT	A15-0020	84 367		133	
CALIFORNIA DEPARTMENT OF EDUCATION	NCLB11-CRLP-UCB	84 367		14,186	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	A16-0409-001	84 367		45,710	
CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB11-CWP-UCSC	84 367		(8,861)	
NATIONAL WRITING PROJECT	A16-0524-001	84 367		2,681	
STATE OF CALIFORNIA DEPARTMENT OF JUSTICE	NCLB12-CHSSP-UCI-cyc1	84 367		43,975	
STATE OF CALIFORNIA DEPARTMENT OF JUSTICE	NCLB12-CMP-UCI-cyc1	84 367		23,000	
Subtotal Program - Pass-Through and Partial Pass-Through				1,556,998	816,081
CALIFORNIA STUDENT AID COMMISSION	DE-CSAC/CALSOAP/BROWN 8/12	84 378		61,666	
SAN JOSE CAL-SOAP CONSORTIUM(STUDENT OPPORTUNITY & ACCESS)(UCSC ADMIN)	CALSOAP SC1415 ROCH-RUI 9/14	84 378		56	
Subtotal Program - Pass-Through and Partial Pass-Through				61,722	-
CALIFORNIA CHILD DEVELOPMENT DIVISION	CN130102	84 UNKNOWN		(15,484)	
CALIFORNIA STUDENT AID COMMISSION	SUB C-14-005 (NONE)	84 UNKNOWN		22,000	
CALIFORNIA STUDENT AID COMMISSION	Sub G-14-006 (none)	84 UNKNOWN		185,018	
SAN DIEGO COUNTY	F EDUC/SDUSD BARTON 0% 6/2999	84 UNKNOWN		964,600	
CALIFORNIA STUDENT AID COMMISSION	AA CALSOAP THOMPSON	84 UNKNOWN		51,224	
CALIFORNIA STUDENT AID COMMISSION	CALSOAP THOMPSON G-09-006	84 UNKNOWN		(64,916)	
KOOTENAI TRIBE OF IDAHO	KOOTENAI TRIBE OF IDAHO-201402102	84 UNKNOWN		(312)	
Subtotal Pass-Through and Partial Pass-Through Awards				5,530,750	816,081
Total Department of Education				26,925,059	1,864,200

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
VIETNAM EDUCATION FOUNDATION				
Direct Awards				
VIETNAM EDUCATION FOUNDATION	Various	85 802	10,226	
VIETNAM EDUCATION FOUNDATION	Various	85 UNKNOWN	6,750	
Total Vietnam Education Foundation			16,976	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES				
Direct Awards				
ADMH PHS (SAMHSA) MENTAL HEALTH - CENTER FOR MENTAL HEALTH SERVICES	Various	93 243	520,512	48,000
ADMH PHS (SAMHSA) PREVENTION - CENTER FOR SUBSTANCE ABUSE PREVENTION	Various	93 243	2,124,076	697,787
ADMH PHS (SAMHSA) TREATMENT - CENTER FOR SUBSTANCE ABUSE TREATMENT	Various	93 243	358,562	
Subtotal Program - Direct Awards			3,003,150	745,787
Subtotal ADMH PHS (SAMHSA)			3,003,150	745,787
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93 067	3,442,659	473,087
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93 116	1,621,013	
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93 136	3	
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93 262	3,122,914	2,751
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93 270	283,602	
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93 283	16,879	
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93 304	1,325,074	187,401
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93 542	209,136	
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93 735	808,565	
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93 939	1,023,766	10,947
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93 947	(614,182)	
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93 977	1,091,636	258,456
CDC CENTERS FOR DISEASE CONTROL AND PREVENTION	Various	93 UNKNOWN	517,619	
Subtotal Center for Disease Control and Prevention			12,848,684	932,642
FDA PHS FOOD AND DRUG ADMINISTRATION	Various	93 103	11,047	
FDA PHS FOOD AND DRUG ADMINISTRATION	Various	93 448	397,951	
Subtotal PHS Food and Drug Administration			408,998	-
HCFA CENTERS FOR MEDICARE AND MEDICAID SERVICES	Various	93 610	186,526	
HCFA CENTERS FOR MEDICARE AND MEDICAID SERVICES	Various	93 UNKNOWN	68,844	
Subtotal Centers for Medicare and Medicaid Services			255,370	-
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 059	2,688	1,987
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 107	1,355,966	1,121,157
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 110	3,700,627	1,031,484
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 117	453,930	
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 127	7,190	
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 145	6,432,925	1,504,811
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 153	468,639	99,010
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 156	512,369	
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 157	255	
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 186	708,598	
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 191	210,475	

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UNIVERSITY OF CALIFORNIA
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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 243	308,388	
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 247	657,604	63,827
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 250	38,514	
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 253	1,758,999	
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 265	164	
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 358	350,000	
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 359	573,139	99,999
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 510	2,772,718	350,701
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 884	1,194,873	33,580
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 918	(52,031)	
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 928	789,443	601
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 969	1,164,442	205,305
HRSA PHS HEALTH RESOURCES AND SERVICES ADMINISTRATION	Various	93 UNKNOWN	142,755	
Subtotal PHS Health Resources and Services Administration			23,552,670	4,512,462
OHDS ADMINISTRATION FOR CHILDREN AND FAMILIES	Various	93 551	973,051	
OHDS ADMINISTRATION FOR CHILDREN AND FAMILIES	Various	93 600	1,589,348	
OHDS ADMINISTRATION FOR CHILDREN AND FAMILIES	Various	93 604	267,762	
OHDS ADMINISTRATION FOR CHILDREN AND FAMILIES	Various	93 632	21	
Subtotal Administration for Children and Families			2,830,182	-
PHS AGENCY FOR HEALTHCARE RESEARCH AND QUALITY	Various	93 225	1,130,090	
PHS AGENCY FOR HEALTHCARE RESEARCH AND QUALITY	Various	93 226	506,196	
Subtotal Agency for Healthcare Research and Quality			1,636,286	-
SEC ADMINISTRATION FOR COMMUNITY LIVING	Various	93 631	467,091	
SEC ADMINISTRATION FOR COMMUNITY LIVING	Various	93 632	495,941	
Subtotal Administration for Community Living			963,032	-
SEC HHS OFFICE OF THE SECRETARY	Various	93 UNKNOWN	2,699	
Subtotal Direct Awards			45,501,071	6,190,891
Pass-Through and Partial Pass-Through				
POPULATION COUNCIL - NEW YORK	SH1112C-17	93 061	69,214	11,892
COLUMBIA UNIVERSITY	A126704	93 067	287,220	
ELIZABETH GLASER PEDIATRIC AIDS FOUNDATION	CP-05-9-170-04073-5-00	93 067	3,259	
MAKERERE UNIVERSITY	METS-A-01	93 067	382,239	9,871
MAKERERE UNIVERSITY	METS-B-01	93 067	72,146	
MAKERERE UNIVERSITY	METS-C-01	93 067	226,798	
MAKERERE UNIVERSITY	METS-D-01	93 067	134,511	
Subtotal Program - Pass-Through and Partial Pass-Through			1,106,173	9,871
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1321081	93 070	191,854	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	15-10250	93 074	1,161,155	
SAN DIEGO WORKFORCE PARTNERSHIP	SAN DIEGO WORKFORCE PARTNERSHIP BEC (87634)	93 093	(1,951)	
NATIONAL COUNCIL FOR BEHAVIORAL HEALTH	2390.0002	93 098	104,969	
CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIX2012HRSA-UCD-4	93 110	47,885	
CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIX2012HRSA-UCSF-1	93 110	1,356,991	
CHILDREN'S HOSPITAL OF ORANGE COUNTY	CHILDREN'S HOSPITAL OF ORANGE COUNT (87454)	93 110	(344)	
Subtotal Program - Pass-Through and Partial Pass-Through			1,404,532	-
NORTHWESTERN UNIVERSITY	NORTHWESTERN UNIVERSITY-60030225UCD	93 134	6,222	

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
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For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	Federal		FY 2016	
		CFDA Number	Federal	Total Federal Expenditures	Pass-Through to Subrecipients
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	8196	93	145	183,062	
UNIVERSITY OF WASHINGTON	755641	93	155	23,766	
CITY AND COUNTY OF SAN FRANCISCO	DPHC16000677	93	157	504,196	
CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CCCDIBD/DHHS CIBDIX2011CDC BAKER 9/	93	184	(24)	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	10-95221	93	217	10,462	
CALIFORNIA FAMILY HEALTH COUNCIL, INC.	1324-5320-71209-15	93	217	86,836	
CALIFORNIA FAMILY HEALTH COUNCIL, INC.	2495-5320-71209-14	93	217	139,094	
UNIVERSITY OF MASSACHUSETTS AMHERST	UMASS/DHHS 20160127 OSBORNE 9/30 8%	93	217	154,048	
Subtotal Program - Pass-Through and Partial Pass-Through				390,440	-
AZUSA PACIFIC UNIVERSITY	S-1H79T1026021-1	93	243	25,846	
RAND CORP	9920130076:03	93	243	166,450	
Subtotal Program - Pass-Through and Partial Pass-Through				192,296	-
CSU SAN MARCOS/UNIVERSITY AUXILIARY & RESEARCH SERVICES CORPORATION	SUB 14-35DB (HP26952-01-00)	93	247	197,957	
UNIVERSITY OF BERN	032503	93	262	(2,913)	
UNIVERSITY OF WASHINGTON	759280 PRIOR 751195	93	266	387,492	
ASIAN PACIFIC PARTNERS FOR EMPOWERMENT, ADVOCACY AND LEADERSHIP	1U58DP004976	93	283	7,927	
BOSTON COLLEGE	5101962-9	93	310	15,423	
CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	TL4MD009638	93	310	52,090	
Subtotal Program - Pass-Through and Partial Pass-Through				67,513	-
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	201600514	93	323	59,462	
DARTMOUTH COLLEGE	1590	93	350	15,032	
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5101832	93	351	16,210	
ALTAMED HEALTH SERVICES CORPORATION	20143247	93	359	138,346	
WOMENS COMMUNITY CLINIC	UCSF#A124307	93	359	86,031	
TEXAS HEALTH AND HUMAN SERVICES COMMISSION	529-12-0138-00001:5	93	505	433,293	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1320985	93	507	11,034	
CALIFORNIA DEPARTMENT OF INSURANCE	8209SC	93	511	98,861	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1110674	93	521	2,417,693	
IMPERIAL VALLEY REGIONAL OCCUPATIONAL PROGRAM	CW-2015-44	93	556	1,975	
SISKIYOU, COUNTY OF	SISKIYOU, COUNTY OF-EW-2013-31	93	556	(4,375)	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1210097	93	566	56,533	
Subtotal Program - Pass-Through and Partial Pass-Through				54,133	-
AMERICAN ACADEMY OF PEDIATRICS	719104-UCLA	93	600	57,548	41,429
AMERICAN ACADEMY OF PEDIATRICS	719150 UCLA	93	600	546,165	81,305
CALIFORNIA MEDICAL CENTER	20111273	93	600	165,078	
Subtotal Program - Pass-Through and Partial Pass-Through				768,791	122,734
SISKIYOU, COUNTY OF	CW201431	93	645	660	
SISKIYOU, COUNTY OF	CW-2015-31	93	645	4,835	
Subtotal Program - Pass-Through and Partial Pass-Through				5,495	-
HUMBOLDT COUNTY	CW-2015-10	93	652	11,850	
TEHAMA, COUNTY OF	TEHAMA, COUNTY OF-GENT-2015-36	93	659	16,590	
KERN COUNTY	Kern County; 258-2012	93	667	7,047	
LASSEN, COUNTY OF	LASSEN, COUNTY OF-C000113234	93	667	14,443	
LASSEN, COUNTY OF	EW201415	93	667	(703)	
LASSEN, COUNTY OF	EW-2015-15	93	667	18,218	

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
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For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
PLUMAS, COUNTY OF	EW-2015-26	93 667	8,295	
SISKIYOU, COUNTY OF	SISKIYOU, COUNTY OF-XX-2013-31	93 667	(460)	
SISKIYOU, COUNTY OF	XX201431	93 667	660	
SISKIYOU, COUNTY OF	XX-2015-31	93 667	2,370	
TEHAMA, COUNTY OF	WK201436	93 667	(182)	
TEHAMA, COUNTY OF	WK-2015-36	93 667	2,475	
CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	15-IA-00965	93 667	32,157	
Subtotal Program - Pass-Through and Partial Pass-Through			84,320	-
CITY AND COUNTY OF SAN FRANCISCO	2002-08/09	93 670	87,617	
SAN DIEGO COUNTY (ARRA)	SD COUNTY 532636 ZIVE ARRA	93 724	103	
TOIYABE INDIAN HEALTH PROJECT INC.	TOIYABE INDIAN HEALTH PROJECT-Y15-2	93 738	17,472	
ALZHEIMER'S ASSOCIATION CALIFORNIA SOUTHLAND CHAPTER	90AL0002-01-00	93 763	41,768	
COUNTY OF LOS ANGELES	A-COUTNYLA/DHHS H300159 DUNNE 06/13	93 889	12,261	
COUNTY OF LOS ANGELES	A-CONTYLA/DHHS H-701039 DUNNE 06/13	93 889	1,077	
COUNTY OF LOS ANGELES	H705761	93 889	7,956	
COUNTY OF LOS ANGELES	H705762	93 889	291,909	
Subtotal Program - Pass-Through and Partial Pass-Through			313,203	-
CITY AND COUNTY OF SAN FRANCISCO	BPHC10000121-UCSF#A117134	93 914	62,192	
CITY AND COUNTY OF SAN FRANCISCO	BPHC10000131	93 914	1,661,255	
CITY AND COUNTY OF SAN FRANCISCO	BPHC11000128	93 914	155,774	
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	PHFE INC/DHHS 0101 DEVILLE 7/12	93 914	(433)	
Subtotal Program - Pass-Through and Partial Pass-Through			1,878,788	-
DEMOCRACY COUNCIL OF CALIFORNIA	S-LMAQM-15-GR-1051	93 928	88,337	
UNIVERSITY OF PITTSBURGH	0026510(119618-2)	93 928	(507)	
Subtotal Program - Pass-Through and Partial Pass-Through			87,830	-
INDIAN HEALTH COUNCIL, INC.	NARCH 5	93 933	124,494	
FHI 360	953/0080.0142:4	93 936	32,272	
AIDS PROJECT LOS ANGELES	20164271	93 939	28,270	
AIDS PROJECT LOS ANGELES	AIDS PROJECT/DHH C114174 DONOHOE 3/	93 939	(61,258)	
AIDS PROJECT LOS ANGELES	C-115181	93 939	167,239	
CITY AND COUNTY OF SAN FRANCISCO	DPHC15000749- COHAN, D	93 939	113	
Subtotal Program - Pass-Through and Partial Pass-Through			134,364	-
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	15-10840	93 940	333,450	
CITY AND COUNTY OF SAN FRANCISCO	BPHC12000084	93 940	472,480	
Subtotal Program - Pass-Through and Partial Pass-Through			805,930	-
CITY AND COUNTY OF SAN FRANCISCO	BPHC110000999 / DPHC	93 943	221,012	
NATIONAL FAMILY PLANNING & REPRODUCTIVE HEALTH ASSOCIATION INC.	FPRPA006059	93 974	54,148	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1410332	93 991	159,265	
ASSOCIATION OF OCCUPATIONAL AND ENVIRONMENTAL CLINICS	AOEC BALMES	93 UNKNOWN	(570)	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1010403	93 UNKNOWN	1,201,499	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1312010	93 UNKNOWN	265,055	
EMMES CORPORATION, THE	201301565	93 UNKNOWN	(3,737)	
LEIDOS BIOMEDICAL RESEARCH, INC.	13XS113 PRADOS	93 UNKNOWN	990	
LEIDOS, INC.	201400268	93 UNKNOWN	259	
LEMON GROVE SCHOOL DISTRICT	SUB 20121358 (HRSA)	93 UNKNOWN	73,216	

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UNIVERSITY OF CALIFORNIA
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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
MINNEAPOLIS MEDICAL RESEARCH FOUNDATION	A126633	93 UNKNOWN	22,558	
MONO, COUNTY OF	CW-2015-21	93 UNKNOWN	12,838	
NATIONAL ALLIANCE OF STATE AND TERRITORIAL AIDS DIRECTORS	NASTAD - RUTHERFORD	93 UNKNOWN	(6,169)	
NATIONAL ASSOCIATION OF HEALTH DATA ORGANIZATIONS	MISCELLANEOUS SPONSORS-UCDMCBCNN-27	93 UNKNOWN	113,804	
RADIOLOGICAL SOCIETY OF NORTH AMERICA INC	RADIOLOGICAL SOCIETY OF NORTH-S13-0	93 UNKNOWN	11,083	
SAN DIEGO WORKFORCE PARTNERSHIP	SAN DIEGO WORKFORCE PARTNERSHIP BEC (88059)	93 UNKNOWN	970	
STANFORD UNIVERSITY	60687621104939	93 UNKNOWN	558,087	
SUPERIOR COURT OF CALIFORNIA, COUNTY OF SAN FRANCISCO	15-029	93 UNKNOWN	2,603	
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	11-10828	93 UNKNOWN	5,355,629	
CALIFORNIA HEALTH BENEFIT EXCHANGE	MISCELLANEOUS SPONSO-201302286	93 UNKNOWN	(2,024)	
Subtotal Pass-Through and Partial Pass-Through Awards			21,775,378	144,497
Total Department of Health and Human Services			67,276,449	6,335,388
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE				
Direct Awards		94 013	397,621	
Pass-Through and Partial Pass-Through				
CALIFORNAVOLUNTEERS	007793	94 006	248,095	
JUMPSTART FOR YOUNG CHILDREN, INC.	900200	94 006	141,777	
Subtotal Program - Pass-Through and Partial Pass-Through			389,872	-
NEW PROFIT, INC.	ONAL AND COMMUNITY SERVICE 201	94 019	396,609	
Subtotal Pass-Through and Partial Pass-Through Awards			786,481	-
Total Corporation for National and Community Service			1,184,102	-
SOCIAL SECURITY ADMINISTRATION				
Pass-Through and Partial Pass-Through				
DEL NORTE COUNTY	CW-2015-06	96 UNKNOWN	11,850	
Total Social Security Administration			11,850	
AGENCY FOR INTERNATIONAL DEVELOPMENT				
Pass-Through and Partial Pass-Through				
FHI 360	100210	98 001	13,666	
INTERNATIONAL AIDS VACCINE INITIATIVE INC.	2092	98 001	146,282	
KANSAS STATE UNIVERSITY	S15115	98 001	482,891	87,791
MANAGEMENT SCIENCES FOR HEALTH, INC	A295-2013-001	98 001	167,278	
UCP WHEELS FOR HUMANITY	WFH-2015-010-UKRTEAM	98 001	22,248	
UNIVERSITY OF WISCONSIN-MADISON	UNIV OF WISCONSIN; 188K565	98 001	(188)	
Subtotal Program - Pass-Through and Partial Pass-Through			832,177	87,791
JOHNS HOPKINS UNIVERSITY	15-SBA-013	98 011	155,662	
GLOBAL AIDS INTERFAITH ALLIANCE	GAIA RANKIN	98 012	26,071	
HIGHER EDUCATION FOR DEVELOPMENT	HED135-9722-RWA-12-01	98 012	84,301	14,068
NATHAN ASSOCIATES INC.	3001910UCD1001	98 012	19,876	
Subtotal Program - Pass-Through and Partial Pass-Through			130,248	14,068
ARCADIA BIOSCIENCE, INC.	201300322	98 UNKNOWN	62,235	
DEVELOPMENT ALTERNATIVES, INC.	AVCDhaka004	98 UNKNOWN	128,690	
INTERNATIONAL MAIZE AND WHEAT IMPROVEMENT CENTER	201400223	98 UNKNOWN	1,263,400	540,471

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Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier			FY 2016	
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients	
KNCV TUBERCULOSIS FOUNDATION	1.00.708.1	98 UNKNOWN	497,692		
MICHIGAN STATE UNIVERSITY	RC102095	98 UNKNOWN	34,417		
NATIONAL ACADEMY OF SCIENCES	2000006396	98 UNKNOWN	9,341		
UNIVERSITY OF ILLINOIS	20140623001	98 UNKNOWN	313,495		20,504
PURDUE UNIVERSITY	PURDUE UNIVERSITY-14098851-207495	98 UNKNOWN	15,668		
Total Agency for International Development			3,443,025		662,834
OTHER FEDERAL AGENCIES					
Direct Awards					
LEGISLATIVE BRANCH		99 UNKNOWN	163		
Subtotal Direct Awards			163		-
Pass-Through and Partial Pass-Through					
ACTION	PC158043/PC-16-8-006	99 UNKNOWN	21,060		
ADVANCED BIOSCIENCE LABORATORIES, INC.	ABL/NIH DGSOM140050165 ANTON 11/14	99 UNKNOWN	31		
AMERICAN EDUCATION SOLUTIONS, INC.	20145175	99 UNKNOWN	115,054		
AMERICAN INSTITUTES FOR RESEARCH IN THE BEHAVIORAL SCIENCES	0352400204:01	99 UNKNOWN	100,656		
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	HST-HF-51307.01-A	99 UNKNOWN	17,892		
CALIFORNIA DEPARTMENT OF EDUCATION	NCLB12-CHSSP-UCLA	99 UNKNOWN	45,003		
CALIFORNIA DEPARTMENT OF EDUCATION	NCLB12-CRLP-UCLA	99 UNKNOWN	44,604		
CALIFORNIA DEPARTMENT OF EDUCATION	NCLB12-CSP-UCLA	99 UNKNOWN	45,932		
CALIFORNIA DEPARTMENT OF EDUCATION	NCLB12-CWP-UCLA	99 UNKNOWN	28,366		
CALIFORNIA DEPARTMENT OF EDUCATION	CA/DEP ED CN150131 MOORE 12/16	99 UNKNOWN	1,119,237		1,059,625
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	14-90487	99 UNKNOWN	697,992		
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	15-10047	99 UNKNOWN	1,375,301		523,287
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	15-92030	99 UNKNOWN	1,965,252		
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	10-95452 BRINDIS	99 UNKNOWN	46,526		21,276
CALIFORNIA EMERGENCY MANAGEMENT AGENCY	RC14 30 1141	99 UNKNOWN	37,663		
CALIFORNIA POSTSECONDARY EDUCATION COMMISSION	CA/PEC/ITQSG ITQ03360 HAKANSSON 5/	99 UNKNOWN	(30)		
CALIFORNIA POSTSECONDARY EDUCATION COMMISSION	CA/DOED ITQ03360 HAKANSSON 10/12 8%	99 UNKNOWN	(894)		
CALIFORNIA POSTSECONDARY EDUCATION COMMISSION	CA/PEC/ITQSG ITQ10708 PRISELAC 12/1	99 UNKNOWN	36		
CALIFORNIA POSTSECONDARY EDUCATION COMMISSION	ITQ-09-T600	99 UNKNOWN	169,940		
CARNEGIE FOUNDATION FOR THE ADVANCEMENT OF TEACHING (THE)	REPLACE TO 77561 GOMEZ 6/14 10%	99 UNKNOWN	1		
COUNCIL OF CHIEF STATE SCHOOL OFFICERS	ELPA21:1	99 UNKNOWN	123,271		
DELOITTE CONSULTING OVERSEAS PROJECTS LLC	101478	99 UNKNOWN	9,878		
GOLDBELT GLACIER-HEALTH SERVICES, LLC	GBG-UCLA-2013-0001	99 UNKNOWN	57,523		
LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES	PH-002389:2	99 UNKNOWN	626,391		
LOS ANGELES UNIFIED SCHOOL DISTRICT	LAUSD/USDOE 1000068 LOEHER 6/10 5%	99 UNKNOWN	94		
LOS ANGELES UNIFIED SCHOOL DISTRICT	LAUSD/USDOE 1000068 LOEHER 6/14	99 UNKNOWN	57		
NEAR EAST SOUTH ASIA CENTER FOR STRATEGIC STUDIES	20151131	99 UNKNOWN	205,996		
NEAR EAST SOUTH ASIA CENTER FOR STRATEGIC STUDIES	NESACSS 20162078 SPIEGEL 9/16 16%	99 UNKNOWN	145,713		
PUBLIC HEALTH FOUNDATION ENTERPRISES, INC.	PHFEI/DHHS 0123018001 DEVILLE 03/11	99 UNKNOWN	(1,116)		
SANDIA NATIONAL LABORATORIES	SANDIA/DOE PO1495661 DIMOCK 3/19	99 UNKNOWN	1,096,986		
VA BOSTON HEALTHCARE SYSTEM	IPA FOR FRANK MENG	99 UNKNOWN	49,379		
WESTAT	6049.03-S02	99 UNKNOWN	24,266		
CALIFORNIA DEPARTMENT OF EDUCATION	A16-0070-001	99 UNKNOWN	65,468		

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2016

Federal Direct / Pass-Through and Partial Pass-Through	Agency / Pass-Through Number or Other Identifier	FY 2016		
		Federal CFDA Number	Total Federal Expenditures	Pass-Through to Subrecipients
CALIFORNIA DEPARTMENT OF EDUCATION	A16-0071-001	99 UNKNOWN	192,449	
NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, INC	84232 - 01 - 404958	99 UNKNOWN	114,217	
SAN JOSE CAL-SOAP CONSORTIUM(STUDENT OPPORTUNITY & ACCESS)(UCSC ADMIN)	A00-1729-001	99 UNKNOWN	155,425	
Subtotal Pass-Through and Partial Pass-Through Awards			8,695,619	1,604,188
Total Other Federal Agencies			8,695,782	1,604,188
Total Other Programs			153,943,763	18,420,290
Total Federal Award Expenditures			<u>\$ 5,497,385,751</u>	<u>469,108,695</u>

The accompanying notes are an integral part of this schedule.

UNIVERSITY OF CALIFORNIA
Notes to Schedule of Expenditures of Federal Awards
Year Ended June 30, 2016

1. General

The accompanying Schedule of Expenditures of Federal Awards (SEFA) presents the activity of all federal financial assistance programs of the University of California (the University), a component unit of the State of California, except for the University's Children's Hospital & Research Center Oakland, which is separately reported.

Consistent with the provisions of *Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements for Federal Awards* (Uniform Guidance), the accompanying Schedule of Expenditures of Federal Awards does not include the expenditures of the Lawrence Berkeley National Laboratory – a major Department of Energy (DOE) national laboratory operated and managed by the University under contracts with DOE, as it represents a government-owned, contractor operated facility.

2. Basis of Accounting

The accompanying Schedule of Expenditures of Federal Awards (SEFA) is presented on a cash basis as year-end accruals for financial statement purposes are performed in aggregate and not allocated to individual awards. The information in this schedule is presented in accordance with the requirements of the Uniform Guidance. Negative amounts represent adjustments in the normal course of business to amounts reported in a prior year.

3. CFDA Numbers

Research and Development direct awards are presented on the SEFA by federal agency and major subdivision within the federal agency, when applicable. Since Catalog of Federal Domestic Assistance (CFDA) numbers for federal programs are numerous, expenditures have been grouped by federal agency followed by the "RD" designation.

Pass-through and partial pass-through awards have been presented by pass-through entity, CFDA number, sponsors' award number, when available, or by the University assigned identifier. When the CFDA number is not available, the federal award is presented by agency number and the suffix "unknown." When the federal agency and the federal identification number are not available, "99 unknown" is used.

4. Commingled Assistance

The University has included, within the SEFA, amounts received from pass-through entities, which include funds from federal and non-federal sources because the pass through entity is unable to determine the federal portion. Those funds are referred to as partial pass-through funds on the SEFA.

The California Student Aid Commission (CSAC) administers the State Cal Grant A and B Programs, selects the student recipients of these grant awards, and provides funds to participating institutions for disbursement. Federal Temporary Assistance for Needy Families (TANF) funds, CFDA Number 93.558, from the United States Department of Health and Human Services may comprise up to approximately 25% of the total funding for these Cal Grant awards. In fiscal year 2016, the University paid Cal Grant A and B funds in the amount of \$842,324,583; however, CSAC is unable to determine the exact amount of TANF funds, if any, represented in those awards. Therefore, the Schedule of Expenditures of Federal Awards does not include State Cal Grant A and B awards.

UNIVERSITY OF CALIFORNIA

Notes to Schedule of Expenditures of Federal Awards (Continued)
Year Ended June 30, 2016

5. Outstanding Balances on Loan Programs

Outstanding balances on federal loans programs as of June 30, 2016 are as follows:

	CFDA	Principal Outstanding
Federal Perkins Loan Program	84.038	\$219,880,308
Health Professions Student Loans, Loans for Disadvantaged Students, Primary Care Loans	93.342	\$54,583,779
Nursing Student Loans	93.364	\$1,448,792
Nurse Faculty Loans	93.264	\$1,158,348
ARRA - Nursing Faculty Loans	93.408	\$201,618

6. Facilities and Administrative Costs

The University uses its negotiated indirect costs rates instead of the 10% de minimis rate allowed by Uniform Guidance.

The University of California
Reports Required pursuant to OMB Uniform Guidance
for the year ended June 30, 2016

The University of California

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Report of Independent Auditors on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with *Government Auditing Standards*

To the Regents of the University of California

We have audited the financial statements of University of California (the “University”), a component unit of the State of California, its aggregate discretely presented component units, the University of California Retirement System (the “Plans”) and the University of California Retiree Health Benefit Trust (the “Trust”), which comprise the University’s Statements of Net Position and the Statements of Plans’ and Trust’s Fiduciary Net Position at June 30, 2016, the University’s Statements of Revenues, Expenses and Changes in Net Position, the Statements of Changes in Plans’ and Trust’s Fiduciary Net Position and the University’s Statement of Cash Flows for the year ended June 30, 2016 and the related notes to the financial statements and have issued our report thereon dated October 12, 2016. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. The financial statements of the University’s discretely presented component units were not audited in accordance with *Government Auditing Standards*, and accordingly, this report does not include reporting on internal control over financial reporting or instances of reportable noncompliance associated with the University’s discretely presented component units.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the University’s internal control over financial reporting (“internal control”) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the University’s internal control. Accordingly, we do not express an opinion on the effectiveness of the University’s internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. *A material weakness* is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity’s financial statements will not be prevented, or detected and corrected on a timely basis. *A significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified. We did identify a significant deficiency in internal control as described in 2016-001, in the accompanying Schedule of Findings and Questioned Costs concerning IT access, based upon the existence of control deficiencies at each of the individual campuses.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the University's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

The University's Response to Findings

The University's response to the finding identified in our audit is described accompanying management's response and corrective action plan. The University's response was not subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on it.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.



San Francisco, California

October 12, 2016



**Report of Independent Auditors on Compliance with Requirements
That Could Have a Direct and Material Effect on Each Major Program and on Internal
Control Over Compliance in Accordance with the Uniform Guidance**

To the Regents of the University of California

Report on Compliance for Each Major Federal Program

We have audited University of California's (the "University's"), a component unit of the State of California, compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the University's major federal programs for the year ended June 30, 2016. The University's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

The University's basic financial statements include the operations of the University's Children's Hospital & Research Center Oakland, which expended \$45,240,433 in federal awards which is not included in the schedule of expenditures of federal awards during the year ended June 30, 2016. Our audit, described below, did not include the operations of University's Children's Hospital & Research Center Oakland because a discrete report in *accordance with Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards is issued for this entity.*

Management's Responsibility

Management is responsible for compliance with federal statutes, regulations and the terms and conditions of its federal awards applicable to its federal programs.

Auditors' Responsibility

Our responsibility is to express an opinion on compliance for each of the University's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Those standards and the Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the University's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal program. However, our audit does not provide a legal determination of the University's compliance.

Opinion on Each Major Federal Program

In our opinion, University of California complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2016.

Other Matters

The results of our auditing procedures disclosed instances of noncompliance, which are required to be reported in accordance with the Uniform Guidance and which are described in the accompanying schedule of findings and questioned costs as items 2016-002, 2016-003, 2016-004, 2016-005, 2016-006, 2016-007 and 2016-008. Our opinion on each major federal program is not modified with respect to these matters.

The University's response to the noncompliance findings identified in our audit is described in the accompanying management's response and corrective action plan. The University's response was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

Report on Internal Control Over Compliance

Management of the University is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the University's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the University's internal control over compliance.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. *A material weakness in internal control over compliance* is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. *A significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. We did not identify any

deficiencies in internal control over compliance that we consider to be material weaknesses. However, we identified deficiencies in internal control over compliance, as described in the accompanying schedule of findings and questioned costs as items 2016-006 and 2016-008 that we consider to be significant deficiencies.

The University's response to the internal control over compliance findings identified in our audit is described in the accompanying management's response and corrective action plan. The University's response was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

PricewaterhouseCoopers LLP

San Francisco, California

February 27, 2017

University of California

Schedule of Findings and Questioned Costs

Year Ended June 30, 2016

SECTION I – SUMMARY OF AUDITOR’S RESULTS

Financial Statements

Type of auditor’s report issued:	Unmodified
Internal control over financial reporting:	
<ul style="list-style-type: none"> Material weakness(es) identified? 	No
<ul style="list-style-type: none"> Significant deficiency(ies) identified that are not considered to be material weaknesses 	Yes
Noncompliance material to the financial statements noted?	No

Federal Awards

Internal control over major programs:	
<ul style="list-style-type: none"> Material weakness(es) identified? 	No
<ul style="list-style-type: none"> Significant deficiency(ies) identified that are not considered to be material weaknesses 	Yes
Type of auditor’s report issued on compliance for major programs	Unmodified
Any audit findings that are required to be reported in accordance with 2 CFR 200.516(a)?	Yes

Identification of major programs:

Program Name	CFDA Number
Research and Development Cluster	Various
Student Financial Assistance Cluster	84.Variou s & 93.Variou s
Cooperative Extension Cluster	10.500

Dollar threshold used to distinguish between type A and type B programs:	\$16,492,157
Auditee qualified as a low-risk auditee?	Yes

University of California Schedule of Findings and Questioned Costs Year Ended June 30, 2016

SECTION II – FINANCIAL REPORTING FINDINGS

Finding 2016-001: IT Privileged Access

Observation:

As part of our testing over Information Technology General Controls (ITGC) across ten in scope IT locations including the Office of the President, three campuses and six academic medical centers, we evaluated the design and operating effectiveness of a variety of access to programs and data controls. Our evaluation of the design and operating effectiveness was limited to systems that we deemed to be "in-scope" for purposes of our audit and do not represent all financial or information technology systems and is not intended to comment on the potential for system intrusion in general. However, for the financial systems we included in scope, we evaluated whether:

- 1) IT professional and application users are assessed on a periodic basis to ensure that access rights are commensurate with existing roles and responsibilities;
- 2) Management performs monitoring of database administrator's access and/or their related activity to ensure that changes are consistent with their job responsibilities and appropriate;
- 3) Developer access to migrate changes to production environment.

We observed that the access to programs and data controls procedures noted above varied in their level of performance and are not performed consistently or not formally documented. There were 28 access to programs and data control related findings noted across in-scope locations: Office of the President, medical centers, and campuses. Findings are related to the absence of formal documentation of the access review, inconsistent performance of the controls, lack of formalized evidence of direct access to data monitoring, and the completeness and accuracy of the user listings reviewed. While IT control exceptions were deemed to be "Control Deficiencies" at each of the individual locations, given the pervasiveness and heightened risk around IT Privileged Access, determined that these exceptions in the aggregate, required the attention of those charged with governance. The absence of formally performed and documented periodic user access reviews, direct data access monitoring, and developer access to migrate changes to production may increase the risk of unauthorized access or unauthorized changes to data and systems.

Criteria:

IT controls should ensure that privileged users are assessed on a periodic basis to ensure access rights are appropriate, that regular monitoring of such access is accomplished and developers are restricted from migrating changes into the production environment.

Recommendation:

We recommend IT Management formally perform, document, and demonstrate evidence that a periodic review of user accounts (IT Professional or Application) has been performed to certify that user access is commensurate with existing roles and responsibilities. Inappropriate users identified through the review process should be evaluated and removed, and an assessment should be performed to identify whether the user had performed inappropriate functions that may need to be reversed. Management should retain documentation evidencing the periodic review of users (IT Professional or Application), including user access reports and supporting evidence that the reports have been reviewed.

University of California Schedule of Findings and Questioned Costs Year Ended June 30, 2016

We recommend that Management perform a direct access to data risk assessment to determine whether the risks necessitate logging and periodic review of the database administrator activity. As part of the assessment, IT and business management should collaborate to assess the risks at each business process (and respective application supporting each process); as well as assess the individuals with direct access to financial data. Documentation evidencing the assessment and/or periodic review of direct data access should be retained and the assessment should be updated on a periodic basis.

We recommend that users with the ability to migrate changes to production should not have access to develop changes. If developers retain access to promote changes into production, we recommend that IT Management logs activities performed by developers (with the ability to migrate changes into the production environment). This activity should be periodically reviewed and documented by an independent individual to ensure that unauthorized changes to the datasets or data are not made.

Management's Views and Corrective Action Plan:

Management's response is reported in "Management's Response and Corrective Action Plan" included at the end of this report.

University of California Schedule of Findings and Questioned Costs Year Ended June 30, 2016

SECTION III – FEDERAL AWARD FINDINGS AND QUESTIONED COSTS

2016-002 – Disbursements to and on Behalf of Students - Notifications

Program: Student Financial Aid Cluster

Sponsor Award Number: Federal Perkins Loan Program; Federal Direct Loans

Sponsoring Agency: Department of Education

CFDA Number: 84.038- Federal Perkins Loan Program; 84.268- Federal Direct Loans

Institute Award Number: None

Award Period: 2015 – 2016

Condition:

In testing the University's conformity with the compliance requirements for Federal Loans disbursements, we selected 50 students who received Federal Loans disbursements during the year. For each student we tested that the student received the notification of the loan and the borrower's right to cancel all or part of the disbursement for each disbursement made during the year. For 33 of the students sampled, the notification of the right to cancel for the winter quarter was not sent. All students received the notification in a timely manner for other quarters. The school must send this notification to the borrower no earlier than 30 days before, and no later than 30 days after, crediting the borrower's account.

Citation:

34 CFR 674.16(a)

Criteria:

School must notify the borrower of each disbursement of a Perkins Loan made under the MPN. This notification should inform the borrower of the amount disbursed and provide the borrower with an opportunity to cancel the disbursement or cancel the Perkins Loan. The school may send notice either 30 days before or 30 days after the date of disbursement.

Questioned Cost:

None

Cause:

In the prior year, this same campus received a finding due to loan notifications not being sent within 30 days of disbursement. Refer to prior year finding 2015-002. As a result, management implemented steps to ensure that the Information Technology ("IT") department runs a report simultaneously to when loans are disbursed and sends e-mail loan notifications to the applicable students. Although the report did automate the loan notifications as planned, in one quarter the disbursement run for loans was run on an ad-hoc basis due to a government holiday and, as such, the IT department did not run the aforementioned report. Thus, the loan notifications were not sent to any of the students at this campus who received loan disbursements for the winter quarter, although they were sent in other quarters.

Effect:

Students were not notified of the borrower's right to cancel all or part of the disbursement in the time required.

University of California Schedule of Findings and Questioned Costs Year Ended June 30, 2016

Recommendation:

For any ad hoc disbursement requests that get processed on a day the University is closed, the Student Financial Aid office should ensure that the IT department is aware and will still run the report in a timely manner such that the University is in compliance with requirements mentioned above

Management's Views and Corrective Action Plan:

Management's response is reported in "Management's Response and Corrective Action Plan" included at the end of this report.

2016-003 – Disbursements to and on Behalf of Students – Credit Balances

Program: Student Financial Aid Cluster

Sponsor Award Number: Federal Supplemental Educational Opportunities Grant; Federal Work Study; Federal Perkins Loan Program; Federal Pell Grants; Federal Direct Loans

Sponsoring Agency: Department of Education

CFDA Number: 84.007- Federal Supplemental Educational Opportunities Grant; 84.033- Federal Work Study; 84.038- Federal Perkins Loan Program; 84.063- Federal Pell Grants; 84.268- Federal Direct Loans,

Institute Award Number: None

Award Period: 2015 – 2016

Condition:

In testing one campus' conformity with the compliance requirements for disbursement testing, we selected 40 students from the disbursement detailed listing. We tested that all credit balances within our population were paid within the required timeframe. Within our sample there were 40 credit balances tested. We noted two students whose credit balances, totaling \$10,060, extended longer than the 14-day regulatory time frame. One student credit balance existed for 20 days, 6 days past the permitted timeline, and the other student credit balance existed for 26 days, 12 days past the permitted timeline.

Citation:

34 CFR 668.164(e)(1)&(2)

Criteria:

If FSA disbursements to the student's account at the school create an FSA credit balance, you must pay the credit balance directly to the student or parent as soon as possible but no later than 14 days after:

- the date the balance occurred on the student's account, if the balance occurred after the first day of class of a payment period,
- or the first day of classes of the payment period if the credit balance occurred on or before the first day of class of that payment period.

Questioned Cost:

None

University of California

Schedule of Findings and Questioned Costs

Year Ended June 30, 2016

Cause:

The credit balances noted above relate to off cycle disbursements due to requests for additional funding. A review of credit balances was not performed by the Financial Aid Office and the Student Business Services Office for students who received disbursements outside of the normal disbursement window.

Effect:

FSA credit balances were inappropriately held by the Institution outside of the required time frame from the respective student.

Recommendation:

Management should implement a policy to run credit balance reports on a regular basis, to capture credit balances created by disbursements outside of the normal period.

Management's Views and Corrective Action Plan:

Management's response is reported in "Management's Response and Corrective Action Plan" included at the end of this report.

2016-004 – Equipment Additions and Inventory

Program: Research & Development Cluster

Sponsor Award Number: 5P51RR000169-50

Sponsoring Agency: National Institutes of Health (NIH) – NIH National Center for Research Resources

CFDA Number: 93.389

Institute Award Number: 790404 Fund Number: 82449

Award Period: 2015 – 2016

Condition:

In testing the University's conformity with the compliance requirements for equipment management, we selected 25 assets from the detailed listing provided. In order to test existence of these assets, we physically observed each item within our selection. We noted one asset, valued at \$8,576, which could not be observed. This selection could not be observed as it was consumable supplies rather than an inventoriable and capitalizable asset. The supplies had been inappropriately capitalized and tracked within the campus equipment management system. The same purchase order used for a piece of equipment was used to order the consumable supplies. As the value of the supplies was greater than \$5,000, both the equipment and the supplies were assigned asset numbers and capitalized into the system. As the supplies are not tangible personal property with a useful life of more than one year, the supplies should not have been capitalized.

Noted no indication that the supplies were unallowable.

Citation:

2 CFR 200 Subpart A Paragraph 33, Circular A-21 Subpart J Paragraph 18

University of California

Schedule of Findings and Questioned Costs

Year Ended June 30, 2016

Criteria:

“Equipment” is defined as an article of nonexpendable, tangible personal property having a useful life of more than one year and an acquisition cost which equals or exceeds the lesser of the capitalization level established by the institution for financial statement purposes, or \$5,000.

Questioned Cost:

None.

Cause:

Although the Equipment Management team performed a review of the equipment purchase prior to capitalization, that review did not detect the fact that the items being capitalized were supplies. Additionally, even though inventory equipment counts were performed subsequent to the date of acquisition, the department did not report these assets as missing, primarily because they were supplies that the department continuously had on hand.

Effect:

Supplies were inappropriately capitalized and included in the equipment management system.

Recommendation:

The campus should implement an annual audit process whereby the Equipment Management team performs a sample of independent verifications of department inventory certifications to ensure count accuracy and diligence.

Management’s Views and Corrective Action Plan:

Management’s response is reported in “Management’s Response and Corrective Action Plan” included at the end of this report.

2016-005 –Cash Management timing of reimbursement requests

Program: Research & Development Cluster

Sponsor Award Number: Various

Sponsoring Agency: Department of Agriculture; Department of Housing and Urban Development; Department of the Interior; Department of Justice; Department of State; National Aeronautics and Space Administration; National Science Foundation; Environmental Protection Agency; Department of Energy; Department of Education; Department of Health and Human Services

CFDA Number: 10.Variou; 11.Variou; 14.Variou; 15.Variou; 16.Variou; 19.Variou; 43.Variou; 47.Variou; 66.Variou; 81.Variou; 84.Variou; 93.Variou

Institute Award Number: Various

Award Period: 2015 – 2016

Condition:

In testing the University’s conformity with the compliance requirements for cash management at one campus, we selected 25 drawdowns for which reimbursement was requested and cash was received during the fiscal year. We agreed the detailed listing of expenditures within the drawdown requests to the amounts which were requested. We then selected 25 individual transactions which are included in the draw request in order to determine that the cash was paid prior requesting reimbursement. We identified

University of California Schedule of Findings and Questioned Costs Year Ended June 30, 2016

that management does not have a process in place to ensure that all expenditures are paid prior to requesting reimbursement.

Citation:

2 CFR 200.305 (b)(3) & (b)(4)

Criteria:

Reimbursement is the preferred method when the requirements in paragraph (b) cannot be met, when the Federal awarding agency sets a specific condition per §200.207 Specific conditions, or when the non-Federal entity requests payment by reimbursement.

If a recipient cannot meet the criteria for advance payments and the Federal awarding agency has determined that reimbursement is not feasible because the recipient lacks sufficient working capital, the Federal awarding agency may provide cash on a working capital advance basis. Under this procedure, the Federal awarding agency shall advance cash to the recipient to cover its estimated disbursement needs for an initial period generally geared to the awardee's disbursing cycle. Thereafter, the Federal awarding agency shall reimburse the recipient for its actual cash disbursements.

Questioned Cost:

None.

Cause:

Management requests funds on the reimbursement method which requires that any reimbursement request be only for costs that have been incurred and paid. Management's process for determining reimbursement requests is to utilize the expense detail included in the general ledger. Expenses included in the ledger detail occur when the invoices are entered into the system; however payments of those invoices do not occur until the invoices come due per their payment terms. Therefore, management's current process does not ensure that expenses have in fact been paid at the time the relevant reports are submitted to the applicable federal agency.

Effect:

Drawdown reimbursements may include expenses which have not been paid as of the date of the request.

Recommendation:

The campus should implement a control whereby drawdown requests are reviewed to ensure payments have been made prior to the request for drawdown of federal funds. The University should also takes steps to ensure that the appropriate methodology is consistently applied and used when completing drawdown requests.

Management's Views and Corrective Action Plan:

Management's response is reported in "Management's Response and Corrective Action Plan" included at the end of this report.

2016-006 –Key Personnel Monitoring

Program: Research & Development Cluster

Sponsor Award Number: 5R01MH084794-05; 5P30MH062512-13; 5R01DA027797-05; 5R01DA028692-05; 5UL1TR000100-05; 5R01HL073355-09; 5U01AI082229-05; 5R18HS018474-05; HHSO100201000029C

University of California

Schedule of Findings and Questioned Costs

Year Ended June 30, 2016

Sponsoring Agency: National Institutes of Health (NIH): NIH Mental Health, National Institute of (NIMH); NIH Mental Health, National Institute of (NIMH); NIH Drug Abuse, National Institute of; NIH Drug Abuse, National Institute of; NIH National Center for Advancing Translational Sciences; NIH National Heart, Lung & Blood Institute; NIH National Institute of Allergy and Infectious Diseases; Department of Health and Human Services; Office of the Secretary (SEC HHS Office of the Secretary)

CFDA Number: 93.RD (93.242); 93.RD (93.242); 93.RD (93.279); 93.RD (93.279); 93.RD (93.350); 93.RD (93.837); 93.RD (93.855); 93.RD (93.Unknown)

Institute Award Number: 25701A; 31547A; 25357A; 27922B; 27630A; 28717A; 25447A; 25861A

Award Period: 2013-2015; 2015-2016; 2014-2015; 2015-2016; 2014-2015; 2014-2015; 2014-2015; 2013-2015

Condition:

In testing the University's conformity with the compliance requirements for monitoring key personnel, it was noted that at select campuses there was not a centralized process in place to monitor changes in key personnel. Instead of a centralized process, reliance was placed upon the individual principal investigator's (PI) monitoring of the award and key provisions thereof. While a centralized process is not required, such a process would allow for standardization in order to ensure that a consistent approach is applied by campus departments and PIs to ensure that the monitoring of key personnel is performed regularly and that the necessary approvals are obtained timely and appropriately evidenced. For 17 of 60 selections tested, there was no evidence of having obtained the appropriate approvals beyond the PI's explanation that verbal approval had been obtained.

Citation:

2 CFR 200.308

Criteria:

The approved budget for the Federal award summarizes the financial aspects of the project or program as approved during the Federal award process. It may include either the Federal and non-Federal share (see §200.43 Federal share) or only the Federal share, depending upon Federal awarding agency requirements. It must be related to performance for program evaluation purposes whenever appropriate.

Recipients are required to report deviations from budget or project scope or objective, and request prior approvals from Federal awarding agencies for budget and program plan revisions, in accordance with this section.

For non-construction Federal awards, recipients must request prior approvals from Federal awarding agencies for one or more of the following program or budget-related reasons: (1) Change in the scope or the objective of the project or program (even if there is no associated budget revision requiring prior written approval). (2) Change in a key person specified in the application or the Federal award. (3) The disengagement from the project for more than three months, or a 25 percent reduction in time devoted to the project, by the approved project director or principal investigator. (4) The inclusion, unless waived by the Federal awarding agency, of costs that require prior approval in accordance with Subpart E—Cost Principles of this part or 45 CFR Part 74 Appendix E, "Principles for Determining Costs Applicable to Research and Development under Awards and Contracts with Hospitals," or 48 CFR Part 31, "Contract Cost Principles and Procedures," as applicable. (5) The transfer of funds budgeted for participant support costs as defined in §200.75 Participant support costs to other categories of expense. (6) Unless described in the application and funded in the approved Federal awards, the subawarding, transferring or contracting out of any work under a Federal award. This provision does not apply to the acquisition of supplies, material, equipment or general support services. (7) Changes in the amount of approved cost-sharing or matching provided by the non-Federal entity. No other prior approval requirements for specific

University of California Schedule of Findings and Questioned Costs Year Ended June 30, 2016

items may be imposed unless a deviation has been approved by OMB. See also §§200.102 Exceptions and 200.407 Prior written approval (prior approval).

Questioned Cost:

None.

Cause:

Select campuses operate in a decentralized environment with no standardized process to ensure a consistent control for the monitoring of key personnel.

Effect:

Changes in key personnel may not be identified timely and appropriate approvals might not be obtained as required.

Recommendation:

The campus should implement a standardized process for monitoring key personnel and obtaining necessary approvals, which includes regular oversight by Campus management and requirements of documents to obtain in order to evidence approval.

Management's Views and Corrective Action Plan:

Management's response is reported in "Management's Response and Corrective Action Plan" included at the end of this report.

2016-007 –IT Privileged Access over Federal Awards

Program: All programs

Sponsor Award Number: All sponsors

Sponsoring Agency: All agencies

CFDA Number: All CFDA Numbers

Institute Award Number: All awards

Award Period: 2015 – 2016

Condition:

As discussed in Financial Statement Finding 2016-001, certain deficiencies exist related to privileged access which we assessed related to our financial audit reporting scope. The majority (approximately 75%) of these findings related to in-scope medical centers which do not administer federal awards. However, a lesser number of control deficiencies were also noted for four campuses related to access, and some of which affected systems that impact federal awards, including procurement, payroll and the general ledger. Please refer to Finding 2016-001 for additional detail.

Management's Views and Corrective Action Plan:

Management's response is reported in "Management's Response and Corrective Action Plan" included at the end of this report.

University of California Schedule of Findings and Questioned Costs Year Ended June 30, 2016

2016-008 – Enrollment Reporting

Program: Student Financial Aid Cluster

Sponsor Award Number: Federal Perkins Loan Program; Federal Direct Loans;

Sponsoring Agency: Department of Education

CFDA Number: 84.038- Federal Perkins Loan Program; 84.063- Federal Pell Grants, 84.268- Federal Direct Loans

Institute Award Number: None

Award Period: 2015 – 2016

Condition:

In testing the University's conformity with compliance requirements for enrollment reporting, we sampled 160 students across four campuses. Approximately 50% of the students sampled the date reported as received by the NSLDS was beyond 60 days from the effective date transmitted by the institution.

In addition we noted that one campus from the prior year, which was not subject to testing in the current year, had partially implemented a corrective action to address late reporting issues identified. This campus was not able to fully implement the corrective action in order to ensure timely and accurate reporting. Please refer to finding 2015-001 for details of the issues identified by the prior year auditor.

Citation:

34 CFR section 690.83(b)(2); 34 CFR section 674.19; 34 CFR 685.309

Criteria:

An institution shall submit, in accordance with deadline dates established by the Secretary, through publication in the FEDERAL REGISTER, other reports and information the Secretary requires and shall comply with the procedures the Secretary finds necessary to ensure that the reports are correct

Enrollment reporting process. (1) Upon receipt of an enrollment report from the Secretary, an institution must update all information included in the report and return the report to the Secretary— (i) In the manner and format prescribed by the Secretary; and (ii) Within the timeframe specified by the Secretary. (2) Unless it expects to submit its next updated enrollment report to the Secretary within the next 60 days, an institution must notify the Secretary within 30 days after the date the school discovers that— (i) A loan under title IV of the HEA or the Act was made to a student who was enrolled or accepted for enrollment at the institution, and the student has ceased to be enrolled on at least a half-time basis or failed to enroll on at least a half-time basis for the period for which the loan was intended; or (ii) A student who is enrolled at the institution and who received a loan under title IV of the HEA or the Act has changed his or her permanent address.

Questioned Cost:

None.

Cause:

All campuses utilize the services of National Student Clearinghouse (NSC) to assist in the reporting of enrollment status changes to National Student Loan Date System (NSLDS). NSC generally requires approximately 45 days to submit information provided to them by institutions to NSLDS. In certain instances the reporting of enrollment status changes is untimely, in certain other instances the reporting was timely but appears to be untimely due to the convention used in selecting the effective date.

University of California Schedule of Findings and Questioned Costs Year Ended June 30, 2016

Effect:

Changes in student statuses may not be updated timely and as such the student loan limits as well as conversion to repayment status may not be updated accurately.

Recommendation:

We recommend that each of the affected campuses update their policies and procedures to ensure timely and accurate reporting to the NSLDS to ensure that information reported by NSC is not delayed. We recommend that the campuses review the data included on the NSLDS site to confirm that the information is both accurate and timely.

University of California

Summary of Status of Prior Year Schedule of Findings and Questioned Costs

Year Ended June 30, 2016

Finding 2015-001: Enrollment Reporting

Late reporting of student's change in status to National Student Loan Data System (NSLDS)

Status:

The following corrective actions were implemented by the affected campuses.

The first affected campus has modified their process to submit an enrollment report as of the first day of instruction instead of waiting for the campus census date (Friday of 3rd week). However, the supplemental feed is not necessary because the National Student Loan Clearinghouse (NSC) is now reporting all students, including previously withdrawn students, to the National Student Loan Data System (NSLDS), and this campus verifies via a monthly review. While the on-going monthly review fell behind due to the implementation challenges of a new student information system in October 2016, the campus is working to bring this monthly review up to date by March 31, 2017.

The second affected campus Registrar Office is adhering to sending files to NSC in accordance with the prescribed schedule. Also, NSC has developed and deployed the SSCR Error Correction Tool, which enable instant online correction of SSCR errors. Since the deployment of this tool in late December, there have been no SSCR errors to test this functionality, but this campus plan to fix all errors within a 24-hour timeframe. In addition, the Registrar's office is sending data on a weekly basis instead of every 30 days.

The third affected campus is sending weekly enrollment files to NSC through the last day of each semester and submitting an additional file on the last day of the month in which the semester ends. Furthermore, NSC has changed their process to report any new changes received from UC more frequently to NSLDS. Additional monitoring procedures have been added to ensure timely and accurate enrollment reporting. These procedures include confirming each file was sent and received timely and verifying the accuracy of the data sent to NSLDS by sampling.

Finding 2015-002: Disbursement to and on behalf of Students

Loan notification for each disbursement was late.

Status:

The following corrective actions were implemented at the affected campus.

During the 2015-16 academic year, the affected campus has instituted electronic right-to-cancel notifications to borrowers when the student receives a disbursement instead of relying on the monthly billing statements as notification of loan disbursements. In addition, this campus provided instructions to borrowers to access NSLDS website for specific information regarding loan amounts, dates and servicer information. However, due to a scheduling issue one quarter's notification was not sent in error. Please refer to Finding 2016-002 for further details.

Finding 2015-003: Matching - GEAR UP program

This finding pertains to the GEAR Up program only. Costs contribution certifications reported by the project partner organizations lack proper documentation supporting cost contribution requirement, and the review of the contribution certifications did not include verifying the accuracy of costs reported on the contribution statements.

University of California Summary of Status of Prior Year Schedule of Findings and Questioned Costs Year Ended June 30, 2016

Status:

The following corrective actions were completed by the affected campus.

The program responsible official (i.e. Principal Investigator) with the assistance of the Contracts and Grants Officer have revised the contribution certifications to provide additional details of the type of expenditures and to require proper signatures of a program officer of the partner organization. Detailed instructions were provided to and reviewed with all contributing partners by the program responsible official. Additional steps have been added in which these certifications and substantiating documentations from contributing partners are reviewed and signed by the program responsible official. The Annual Performance Report submitted to the Department of Education on April 15, 2016 has been adjusted for the amounts of questioned costs reported in the 2015 audit report.

Finding 2015-004: Procurement, Suspension and Debarment

Lack of documentation of suspension and debarment verification was done prior to paying the vendor.

Status:

The following corrective actions were completed by the affected campus.

The University's purchasing agreements general terms has been modified to include the appropriate suspension and debarment clauses. This ensures self-certification by the vendor is done when agreements are executed.

In addition, the University has communicated this change via its awareness and training process: (1) with an email communication on July 11, 2016 to all Single Points of Contact (SPOCs) who are responsible for distributing to the appropriate users at each location, and (2) followed up by a webinar presentation on July 22, 2016.



OFFICE OF THE EXECUTIVE VICE PRESIDENT—
CHIEF FINANCIAL OFFICER

OFFICE OF THE PRESIDENT
1111 Franklin Street, 6th Floor
Oakland, California 94607-5200

February 24, 2017

MANAGEMENT'S RESPONSE AND CORRECTIVE ACTION PLAN

REPORT ON AUDIT OF FINANCIAL STATEMENTS AND ON FEDERAL AWARD PROGRAMS IN ACCORDANCE WITH 2 CFR 200, UNIFORM GUIDANCE, FOR THE YEAR ENDED JUNE 30, 2016

2016-001 – IT Privileged Access

Management agrees that the findings related to timely and consistent user access reviews, monitoring of direct access to data, and managing developer access to production are important aspects of Information Technology General Controls (ITGCs). While there are numerous information systems across both our campuses and health systems and recent years has seen a significant expansion of systems, especially in our health systems, management recognizes this challenge and is committed to taking the necessary steps to address these deficiencies in order to achieve consistent and coordinated compliance across the University.

Management at locations will implement periodic user access reviews for the relevant applications to ensure that the access for all information technology professionals is appropriate and commensurate with employee job roles and responsibilities. Management will also strengthen change control processes for relevant applications through programmatic and process improvements to ensure the integrity of the changes.

While in some cases technical architecture and implementation complexity necessitates developer access to production, there is commitment from management to monitor access to ensure inappropriate changes do not occur. Multiple compensating controls, including monitoring of access logs, restricting developer access to read-only in production environments, and restricting migration of changes to production environments, will be implemented. These control enhancements, in addition to existing activity monitoring in development and production environment for elevated privileged personnel, will address the noted deficiencies.

Management believes that, while there are opportunities to improve, the ongoing efforts and compensating controls across the University mitigate the risk that weaknesses in the ITGCs could result in inaccurate financial data. Due to the decentralized nature of the University operations, we

believe it unlikely the inaccurate financial data from multiple locations would simultaneously occur, and the University's ability to prepare accurate financial statements would not be affected.

2016-002 – Disbursements Notification

The affected campus recognizes that the Loan Disclosure notices to students for the January 1, 2016 disbursement did not occur due to ad hoc processing during the school winter break. This was a special run completed on the break to assure students would receive their funds in a timely manner for the start of the new winter quarter to cover both their tuition/fees and living expenses. Unfortunately, the right-to-cancel program within the mainframe program schedule did not run with the disbursement program. Students received notices for every other disbursement processed throughout the year.

This campus will create program dependencies that will ensure that the disbursement program cannot be scheduled without the right-to-cancel program and that a notification be generated if the right-to-cancel process fails, in which case, the necessary file will be recreated and the necessary notifications will be sent within the 30-day timeframe. This will be completed prior to our next special disbursement run which will occur the beginning of January 2018. This year the disclosures were run on January 1, 2017 and students received those notifications.

2016-003 – Disbursement – Credit Balance

The affected campus management concurs with the auditors' observation that the two students' credit balance extended longer than the 14-day regulatory time frame. These instances were off cycle disbursements due to requests for additional funding.

The identified extended credit balances were due to special circumstances and limited specifically to the break between the Fall and Winter quarters. During this time period the campus automated batch refund process did not include these off cycle disbursements.

The campus is working to enhance the current process of identifying students eligible for late aid disbursements. The immediate solution includes an exception list that will identify the students who will be off cycle so the students will be refunded manually during the 14-day regulatory time frame while this campus works on a permanent automated solution with the university Information Technology Services.

Campus expects to implement a permanent solution by the beginning of next Academic - Fall Quarter (September 2017).

2016-004 – Equipment Additions

The affected campus management concurs with the finding and has implemented additional actions to improve the process. Since the initial capitalization of these particular supplies in 2011, the

review performed by the Equipment Management accounting team has already been enhanced through system changes and additional manual checks; therefore, the campus does not need to change or enhance this particular control. However, since the physical equipment inventory count performed by the department did not identify the issue post capitalization, the campus Equipment Management team will be enhancing its oversight of this process which is the focus of this finding. As such, on an annual basis, after the equipment inventory counts have been completed and the department certifications have been submitted, campus Equipment Management team will select a sample of equipment items from selected departments to ensure existence of the equipment.

2016-005 – Cash Management – Timing of reimbursement requests

The affected campus agrees with the auditor's finding and will design and implement appropriate controls to ensure cash draws under the reimbursement method are reviewed and completed after all payments have been made. This campus will modify current procedures to include paid invoices instead of prior days' operating ledger postings except salaries which are generally one week in arrears. In addition, campus will work with university Information Technology Services to determine an automated solution to enhance controls over the drawdown from federal funds. Campus expects completion by September 30, 2017.

2016-006 – Key Personnel Monitoring

The two affected campuses agree with the auditor's finding and will design and implement appropriate controls to ensure consistent control for the monitoring of key personnel.

At the first affected campus, each department is responsible for tracking, monitoring the key personnel and obtaining the written approval as needed. To strengthen the controls in key personnel monitoring, this campus will develop and implement a standardized process at the central offices to capture all the key personnel named in the Notices of Awards for all active awards. Additional procedures will be developed to monitor and identify key personnel's changes so timely written approval from the agencies can be obtained when required. While this campus works on a permanent automated system solution to aid this standardized process, a manual process will be put in place by September 30, 2017.

To strengthen the campus' decentralized process for monitoring the key personnel compliance requirement, the second affected campus will develop a process to identify and monitor all key personnel changes within active awards to ensure timely, written approval is received from the relevant agencies. This manual monitoring process will be developed and implemented by September 30, 2017; however, a systematic monitoring option will be evaluated as a long-term solution.

2016-007 –IT Privilege Access over Federal Awards

For Management Response and Corrective Action Plan, refer to Financial Statement Finding 2016-001.

2016-008 – Enrollment Reporting

In the fiscal year ended June 30, 2016, the University of California continued its effort to enhance its controls to ensure timely submission of the Enrollment Reporting. While progress has been made, one campus has partially implemented the corrective action to address the late reporting issue identified in the last audit. Management at the affected campuses in the current year will review and make necessary modifications to their processes to ensure timely and accurate reporting of enrollment files to the National Student Loan Data System (NSLDS). In addition, post-reporting monitoring procedures will be added to confirm that enrollment reporting to NSLDS is both on-time and accurate.

A handwritten signature in black ink, appearing to read 'Joao Pires', with a large, stylized initial 'J'.

Joao Pires
Director
Costing Policy and Analysis