



**SAINT LOUIS UNIVERSITY**

Uniform Guidance Single Audit Report

Year ended June 30, 2017

(With Independent Auditors' Reports Thereon)

**SAINT LOUIS UNIVERSITY**  
Uniform Guidance Single Audit Report  
Year ended June 30, 2017

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Saint Louis University's audited consolidated financial statements, as of and for the year ended June 30, 2017, are separately attached hereto.	



KPMG LLP  
Suite 900  
10 South Broadway  
St. Louis, MO 63102-1761

## **Independent Auditors' Report 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***

The Board of Trustees  
Saint Louis University:

We have audited, in accordance with the 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 consolidated financial statements of Saint Louis University, which comprise the consolidated statement of financial position as of June 30, 2017, and the related consolidated statements of activities and cash flows for the year then ended, and the related notes to the consolidated financial statements, and have issued our report thereon dated October 23, 2017.

### **Internal Control over Financial Reporting**

In planning and performing our audit of the (consolidated) financial statements, we considered Saint Louis 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 consolidated financial statements, but not for the purpose of expressing an opinion on the effectiveness of Saint Louis University's internal control. Accordingly, we do not express an opinion on the effectiveness of Saint Louis 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 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. 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.

### **Compliance and Other Matters**

As part of obtaining reasonable assurance about whether Saint Louis University's consolidated 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*.



**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 Saint Louis University'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 Saint Louis University's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

KPMG LLP

St Louis, Missouri  
October 23, 2017



KPMG LLP  
Suite 900  
10 South Broadway  
St. Louis, MO 63102-1761

## **Independent Auditors' Report on Compliance for Each Major Federal Program; Report on Internal Control Over Compliance; and Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance**

The Board of Trustees  
Saint Louis University:

### **Report on Compliance for Each Major Federal Program**

We have audited Saint Louis University's compliance with the types of compliance requirements described in the OMB Compliance Supplement that could have a direct and material effect on Saint Louis University's major federal programs for the year ended June 30, 2017. Saint Louis University's major federal programs are identified in the summary of auditors' results section of the accompanying schedule of findings and questioned costs.

#### *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 Saint Louis 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 Saint Louis 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 Saint Louis University's compliance.

#### *Opinion on Each Major Federal Program*

In our opinion, Saint Louis University 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, 2017.

#### *Other Matters*

The results of our auditing procedures disclosed an instance 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 item 2017-002. Our opinion on each major federal program is not modified with respect to this matter.



The University's response to the noncompliance finding identified in our audit is described in the accompanying schedule of findings and questioned costs. 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 Saint Louis 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 Saint Louis 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 Saint Louis 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 have not been identified. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, we identified certain deficiencies in internal control over compliance, as described in the accompanying schedule of findings and questioned costs as items 2017-001 and 2017-002 that we consider to be significant deficiencies.

Saint Louis University's responses to the internal control over compliance findings identified in our audit are described in the accompanying schedule of findings and questioned costs. Saint Louis University's responses were not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the responses.

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.



**Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance**

We have audited the consolidated financial statements of Saint Louis University as of and for the year ended June 30, 2017, and have issued our report thereon dated October 23, 2017, which contained an unmodified opinion on the consolidated financial statements. Our audit was conducted for the purpose of forming an opinion on the consolidated financial statements as a whole. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the consolidated financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the consolidated financial statements. The information has been subjected to the auditing procedures applied in the audit of the consolidated financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the consolidated financial statements or to the consolidated financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of federal awards is fairly stated in all material respects in relation to the consolidated financial statements as a whole.

*KPMG LLP*

St. Louis, Missouri  
February 19, 2018

**SAINT LOUIS UNIVERSITY**  
 Schedule of Expenditures of Federal Awards  
 Year Ended June 30, 2017

Grant/Program Title Pass-Through Entity	Payment Source	CFDA Number	Award Number	FY2017 Expenditures	Awards Passed Through to Subrecipients	Subtotal By Program	Subtotal By Agency	Subtotal By Cluster/ Other Programs
<b>Student Financial Assistance Cluster</b>								
<b>84 Department of Education</b>								
FSEOG 2016-2017	Direct	84.007	P007A162375	<u>1,039,579</u>				
FWS 2016-2017	Direct	84.033	P033A162375	<u>899,018</u>				
Federal Perkins Loan Program	Direct	84.038	P038A022375	<u>15,935,404</u>				
Pell 2016-2017	Direct	84.063	397017	5,979,768				
PELL Program 2015-2016	Direct	84.063	P063P151755	<u>-2,667</u>				
<b>Total for CFDA Number 84.063</b>				<b>5,977,101</b>				
Direct Loan Program 2015-2016	Direct	84.268	P268K161755	291,483				
Direct Loan Program 2016-2017	Direct	84.268	P268K171755	109,680,543				
Direct Loan Program 2017-2018	Direct	84.268	P268K171755	<u>6,670,621</u>				
<b>Total for CFDA Number 84.268</b>				<b>116,642,647</b>				
<b>Total for Department of Education</b>							<u>140,493,749</u>	
<b>93 Department of Health and Human Services</b>								
Nurse Faculty Loan Program	Direct	93.264	E01HP12987-01-00	<u>283,622</u>				
Loans for Disadvantaged Students	Direct	93.342	7056108-06	333,503				
Primary Care Loans	Direct	93.342	7056101H-00	<u>2,469,325</u>				
<b>Total for CFDA Number 93.342</b>				<b>2,802,828</b>				
ARRA-Nurse ARRA Award	Direct	93.364	E0AHP15402-01-00	28,460				
Nursing Student Loan Program	Direct	93.364	7056831-08	<u>947,481</u>				
<b>Total for CFDA Number 93.364</b>				<b>975,941</b>				
<b>Total for Department of Health and Human Services</b>							<u>4,062,391</u>	
<b>Total for Student Financial Assistance Cluster</b>								<u>144,556,140</u>



**SAINT LOUIS UNIVERSITY**  
Schedule of Expenditures of Federal Awards  
Year Ended June 30, 2017

Grant/Program Title Pass-Through Entity	Payment Source	CDFA Number	Award Number	FY2017 Expenditures	Awards Passed Through to Subrecipients	Subtotal By Program	Subtotal By Agency	Subtotal By Cluster/ Other Programs
<b>Research and Development Cluster</b>								
<b>10 United States Department of Agriculture</b>								
Investigating functions of transcription factor genes in plant seed development	Direct	10.001	58-5070-6-023	3,508				
<b>Subtotal for United States Department of Agriculture -Direct</b>				<b>3,508</b>				
Curators of the University of Missouri	Pass-Through	10.253	00054141-1	13,946				
Board of Trustees University of Illinois	Pass-Through	10.310	2015-06396-01	7,772				
<b>Subtotal for United States Department of Agriculture -Pass-Through</b>				<b>21,718</b>				
<b>Total for United States Department of Agriculture</b>							<b>25,226</b>	
<b>11 United States Department of Commerce</b>								
Using reforecasts and historical observations to assess severe weather threat in the extended forecast period	Direct	11.468	NA16NWS4680008	96,361				
<b>Subtotal for United States Department of Commerce -Direct</b>				<b>96,361</b>				
S C Sea Grant consortium	Pass-Through	11.431	NA15OAR4310111	15,310				
The Texas A&M University System	Pass-Through	11.999	SUBAWARD NO. 16-43	9,759				
<b>Subtotal for United States Department of Commerce -Pass-Through</b>				<b>25,069</b>				
<b>Total for United States Department of Commerce</b>							<b>121,430</b>	
<b>12 United States Department of Defense</b>								
Investigation of Similitude and Distortion in Large-Scale moveable Bed Models View	Direct	12.000	W912P9-14-P-1139	5,157				
Colorectal Cancer Immunotherapy by Pharmacological Suppression of Liver X Receptor Activity	Direct	12.420	W81XWH-16-1-0333	96,469				
Connecting the DNA replication fork instability with novel chemotherapeutic strategies	Direct	12.420	W81XWH-16-1-0377	200,106				
Evidence-Based Multimodal Neurodiagnostic Imaging of Traumatic Brain Injury and Post-Traumatic Stress Disorder at SANIC	Direct	12.420	W81XWH0820191	-2,126				
Peripherally Restricted to REV-ERB Agonists for Treatment of Diabetes and Obesity	Direct	12.420	W81XWH-16-1-0235	192,361				
Thromboelastography (TEG) and Platelet Mapping (PM) Patterns in			W81XWH-16-1-0236	87,413				
<b>Total for CFDA Number 12.420</b>				<b>574,223</b>				

**SAINT LOUIS UNIVERSITY**  
Schedule of Expenditures of Federal Awards  
Year Ended June 30, 2017

Grant/Program Title Pass-Through Entity	Payment Source	CFDA Number	Award Number	FY2017 Expenditures	Awards Passed Through to Subrecipients	Subtotal By Program	Subtotal By Agency	Subtotal By Cluster/ Other Programs
<b>Research and Development Cluster (Continued)</b>								
<b>12 United States Department of Defense (Continued)</b>								
Traumatic Brain Injury	Direct	12.800	FA8650-15-2-6J01	8,658				
<b>Subtotal for United States Department of Defense -Direct</b>				<b>582,881</b>				
Emory University	Pass-Through	12.000	T506377	10,903				
	Pass-Through	12.000	T679658	9,027				
Indiana University	Pass-Through	12.000	BL-4326920-SLU	6,548				
University of Maryland Baltimore Office of Research and Dev	Pass-Through	12.000	1701242 PO#SR00004535	17,519				
University of Portsmouth Higher Education Corporation	Pass-Through	12.000	14775	23,449				
<b>Total for CFDA Number 12.000</b>				<b>67,446</b>				
Johns Hopkins Bloomberg	Pass-Through	12.420	W81WXH1020090	16,541				
<b>Subtotal for United States Department of Defense -Pass-Through</b>				<b>83,987</b>				
<b>Total for United States Department of Defense</b>							<b>672,025</b>	
<b>15 United States Department of The Interior</b>								
Operation of the Mid-America Integrated Seismic Network	Direct	15.807	G15AC00041, SPPL # 0002	214,933				
<b>Subtotal for United States Department of The Interior -Direct</b>				<b>214,933</b>				
Curators of the University of Missouri	Pass-Through	15.805	C00053653-1	14,717				
<b>Subtotal for United States Department of The Interior -Pass-Through</b>				<b>14,717</b>				
<b>Total for United States Department of The Interior</b>							<b>229,650</b>	
<b>16 United States Department of Justice</b>								
Immunological Profiling to Distinguish Virus (Monkeypox) Infection from (Smallpox)	Direct	16.000	DJF-15-1200-P-0001007	552,214				
			DJF-16-1200-D-0001356	31,710				
<b>Subtotal for United States Department of Justice -Direct and Total for CFDA Number 16.000</b>				<b>583,924</b>				
<b>Total for United States Department of Justice</b>							<b>583,924</b>	
<b>20 United States Department of Transportation</b>								
2016 St. Louis Summer Transportation Institute	Direct	20.205	PROJECT NO. OJT FY16001	13,978				
2017 St. Louis Summer Transportation Institute	Direct		PROJECT NO. OJT FY 17001	5,087				
<b>Total for CFDA Number 20.205</b>				<b>19,065</b>				
Erosion Control Blanket Workshop Training	Direct	20.215	TR201715	3,981				
<b>Subtotal for United States Department of Transportation -Direct</b>				<b>23,046</b>				

**SAINT LOUIS UNIVERSITY**  
Schedule of Expenditures of Federal Awards  
Year Ended June 30, 2017

Grant/Program Title Pass-Through Entity	Payment Source	CFDA Number	Award Number	FY2017 Expenditures	Awards Passed Through to Subrecipients	Subtotal By Program	Subtotal By Agency	Subtotal By Cluster/ Other Programs
<b>Research and Development Cluster (Continued)</b>								
<b>20 United States Department of Transportation (Continued)</b>								
Board of Trustees University of Illinois	Pass-Through	20.205	2011-05776-25	233				
			2011-05776-32	-302	-252			
<b>Subtotal for United States Department of Transportation -Pass-Through and Total for CFDA Number 20.205</b>				<b>-69</b>	<b>-252</b>			
<b>Total for United States Department of Transportation</b>					-252		<b>22,977</b>	
<b>43 National Aeronautics and Space Administration</b>								
AQAST-Studies of the Relationship between Satellite-Derived Trace Gas Measurements and Surface Observations: A Proposal for Membership an..	Direct	43.000	NNX11AJ63G	83,742				
Participation in Tropospheric Emissions: Monitoring of Pollution: (TEMPO) Program	Direct	43.000	SV3-83017	15,881				
<b>Subtotal for National Aeronautics and Space Administration -Direct and Total for CFDA Number 43.000</b>				<b>99,623</b>				
Mission Success in Cubesats: Improving the Data Collection	Direct	43.008	NNX15AV50G	33,928				
Remote Sensing from Unmanned Aerial Systems (UAS) to Support Research and Education	Direct	43.008	00050027-08	1,271				
<b>Total for CFDA Number 43.008</b>				<b>35,199</b>				
Mission Success in Cubesats: Testing the Failure Hypothesis	Direct	43.009	NNX17AJ46G	976				
<b>Subtotal for National Aeronautics and Space Administration -Direct</b>				<b>36,175</b>				
Curators of the University of Missouri	Pass-Through	43.008	00050027-04	3,345				
			00050287-02	16,178				
<b>Subtotal for National Aeronautics and Space Administration -Pass-Through and Total for CFDA Number 43.008</b>				<b>19,523</b>				
<b>Total for National Aeronautics and Space Administration</b>							<b>155,321</b>	
<b>45 National Endowment of the Arts</b>								
Missouri Humanities Council - PAEP 2015	Direct	45.129	1884	-1				
<b>Subtotal for National Endowment of the Arts -Direct</b>				<b>-1</b>				
St Mary's University	Pass-Through	45.169	HK-250616-16	3,844				
<b>Subtotal for National Endowment of the Arts -Pass-Through</b>				<b>3,844</b>				
<b>Total for National Endowment of the Arts</b>							<b>3,843</b>	
<b>47 National Science Foundation</b>								
Collaborative Research: Investigation of Material Removal in Impact Machining by Loose Abrasives	Direct	47.041	1562533	21,252				
GOALI/Collaborative Research: Human Maintenance - A Prognostics Framework to Model Changes in Drivers' Safety Performance	Direct	47.041	1634992	7,435				
I-CORPS L: Real-Time Graphical Presentation for Visually Impaired STEM Student	Direct	47.041	1632787	778				
<b>Total for CFDA Number 47.041</b>				<b>29,465</b>				

**SAINT LOUIS UNIVERSITY**  
Schedule of Expenditures of Federal Awards  
Year Ended June 30, 2017

Grant/Program Title Pass-Through Entity	Payment Source	CFDA Number	Award Number	FY2017 Expenditures	Awards Passed Through to Subrecipients	Subtotal By Program	Subtotal By Agency	Subtotal By Cluster/ Other Programs
<b>Research and Development Cluster (Continued)</b>								
<b>47 National Science Foundation (Continued)</b>								
CAREER: Emergent reactive properties of far-from-equilibrium electrochemical systems	Direct	47.049	CHE0955555	-4,540				
CAREER: Photoactive atomic oxygen precursors for the rapid, selective oxidation of biological thiols to sulfenic acids	Direct	47.049	CHE-1255270	76,046				
CGV: Small: Collaborative Research: Theories, algorithms, and applications of medial forms for shape analysis	Direct	47.049	IIS-131944	14,262				
Chemical Connectomics: Nonlinear Dynamics of Electrochemical Reaction Networks	Direct	47.049	1465013	122,864				
Computational Tools for Dynamical Systems	Direct	47.049	1602300	41,482				
MRI: Acquisition of an ICP Optical Emission Spectrometer for a Diverse Range of Scientific Applications in Greater Saint Louis	Direct	47.049	1626501	74,308				
Nonlinear Geometry of Banach Spaces and Metric Spaces	Direct	47.049	DMS-1301591	15,455				
NSF: DMS: Workshops for Women in Shape Analysis in Turkey	Direct	47.049	1619759	6,356				
<b>Total for CFDA Number 47.049</b>				<b>346,233</b>				
Collaborative Research: Northern Embayment Lithosphere Experiment (NELE)	Direct	47.050	EAR1053363	57,800				
Collaborative Research: Wabash Valley Seismic Experiment	Direct	47.050	EAR-1249701	42,350				
Supplemental funds to enhance United States graduate student participation at River Flow 2016	Direct	47.050	1613904	9,185				
<b>Total for CFDA Number 47.050</b>				<b>109,335</b>				
Accelerating Human Microbiome Analysis using Lighting-Fast Cloud Computing	Direct	47.070	156692	53,180				
AF: Small: Extending algorithms for topological notions of similarity	Direct	47.070	1614562	26,001				
CAREER: Generalizing Planar Algorithms	Direct	47.070	CCF-1054779	46,549				
CHS: Small: Collaborative Research: Increasing Social Connectedness in Telerobotic Platforms through Adding Gesture Capabilities	Direct	47.070	1618926	45,216				
Collaborative Research: Resilient Virtual Path Management for Scalable Data-intensive Computing at Network-Edges	Direct	47.070	1647084	18,112				
STEM Literacy through Infographics	Direct	47.070	IIS-1441471	67,427				
<b>Total for CFDA Number 47.070</b>				<b>256,485</b>				
2016 Plant Cell Dynamics Meeting Nanoscale Imaging to Quantitative Phenomics	Direct	47.074	1640932	11,317				
CAREER: Integrative Physiology of Anoxia Tolerance in Turtles	Direct	47.074	IOS-1253939	126,647				
Collaborative Research: ABI Development: HydroClim: Empowering aquatic research in North America	Direct	47.074	1564896	106,267				
NSF IOS #7690676: Genetic change and genetic accommodation allow singing insects	Direct	47.074	1656818	13,416				
RESEARCH-PGR: Adapting perennial crops for climate change: Graft transmissible effects of rootstocks on grapevine shoots	Direct	47.074	1546869	136,815	65,473			
<b>Total for CFDA Number 47.074</b>				<b>394,462</b>	<b>65,473</b>			
DAPPR: Diffusion Analytics for Public Policy Research	Direct	47.075	1636695	16,224				
Perceptual and Implementation Strategies for Knowledge Acquisition of Digital Tactile Graphics for Blind and Visually Impaired Students	Direct	47.076	1644538	28,753				

**SAINT LOUIS UNIVERSITY**  
 Schedule of Expenditures of Federal Awards  
 Year Ended June 30, 2017

Grant/Program Title Pass-Through Entity	Payment Source	CFDA Number	Award Number	FY2017 Expenditures	Awards Passed Through to Subrecipients	Subtotal By Program	Subtotal By Agency	Subtotal By Cluster/ Other Programs
<b>Research and Development Cluster (Continued)</b>								
<b>47 National Science Foundation (Continued)</b>								
Bioinformatics Training with Industry Support and Engagement	Direct	47.076	1564894	6,357				
Bioinformatics Training with Industry Support and Engagement (BITWISE)								
Collaborative Research: A National Consortium for Synergistic Undergraduate Mathematics via Multi-Institutional Interdisciplinary	Direct	47.076	1625222	24,733				
Collaborative Research: Distributing the load: using the Structure-Behavior -Function framework to inform instructional design	Direct	47.076	DUE-1245410	4,802				
Collaborative research: From the learner's perspective: Unpacking the why and how of model-based learning about biological systems.	Direct	47.076	DRL-1420320	60,145				
<b>Total for CFDA Number 47.076</b>				<b>124,790</b>				
<b>Total for National Science Foundation-Direct</b>				<b>1,276,994</b>	<b>65,473</b>			
JLG Innovations d/b/a ViTAL	Pass-Through	47.041	320776	22,725				
Georgia Tech	Pass-Through	47.049	RG173-G8	32,295				
University of California San Diego	Pass-Through	47.049	60585079	18,035				
<b>Total for CFDA Number 47.049</b>				<b>50,330</b>				
University of Notre Dame du Lac	Pass-Through	47.075	202435	-1,627				
Curators of the University of Missouri	Pass-Through	47.079	PROJECT NO. 00052854-2	64,021				
Curators of the University of Missouri	Pass-Through	47.083	C00052854-7	147,425				
<b>Total for National Science Foundation-Pass-Through</b>				<b>282,874</b>				
<b>Total for National Science Foundation</b>					<b>65,473</b>		<b>1,559,868</b>	
<b>64 Department of Veterans Affairs</b>								
A Virtual Pediatric Simulator for Emergency Scenario Training of Military Medica	Direct	64.000	N00014-14-0046	3,497				
Colonoscopy vs Fecal Immunochemical Test in Reducing Mortality from Colorectal Cancer ( CONFIRM)	Direct	64.000	6576D0017	21,106				
IPA Agreement	Direct	64.000	6576D0068	2,164				
			6577D0005	78,676				
			6756D0018	7,554				
			320757	3,919				
			PO# 657-6D0048	-5,519				
			PO# 6576D0012	-362				
			PO# 6577D0046	50,910				
			PO# 6577D0060	16,734				
<b>Subtotal for Department of Veterans Affairs -Direct and Total for CFDA Number 64.000</b>				<b>178,679</b>				
<b>Total for Department of Veterans Affairs</b>							<b>178,679</b>	

**SAINT LOUIS UNIVERSITY**  
 Schedule of Expenditures of Federal Awards  
 Year Ended June 30, 2017

Grant/Program Title Pass-Through Entity	Payment Source	CFDA Number	Award Number	FY2017 Expenditures	Awards Passed Through to Subrecipients	Subtotal By Program	Subtotal By Agency	Subtotal By Cluster/ Other Programs
<b>Research and Development Cluster (Continued)</b>								
<b>66 Environmental Protection</b>								
Evaluation of Bringing as Chloride Best Management Practice (BMP) in St. Louis Region	Direct	66.440	97755501	53,245				
Midwest Clean Air Stewardship: Building upon the St. Louis Ozone Gardens	Direct	66.951	97754101	46,536	30,844			
<b>Subtotal for Environmental Protection -Direct</b>				<b>99,781</b>	<b>30,844</b>			
<b>Total for CFDA Number 66.951</b>								
<b>Total for Environmental Protection</b>					<b>30,844</b>		<b>99,781</b>	
<b>81 United States Department of Energy</b>								
Curators of the University of Missouri	Pass-Through	81.087	00054578-1	30,197				
<b>Subtotal for United States Department of Energy -Pass-Through</b>								
<b>Total for CFDA Number 81.087</b>								
Washington University	Pass-Through	81.089	WU-16-107	4,021				
<b>Subtotal for United States Department of Energy -Pass-Through</b>				<b>34,218</b>				
<b>Total for CFDA Number 81.089</b>								
<b>Total for United States Department of Energy</b>							<b>34,218</b>	
<b>84 Department of Education</b>								
Lafayette Parish School system	Pass-Through	84.334	ERS# 19313	56,586				
<b>Subtotal for Department of Education -Pass-Through and Total for CFDA Number 84.334</b>				<b>56,586</b>				
<b>Total for Department of Education</b>							<b>56,586</b>	
<b>93 Department Of Health And Human Services</b>								
6E-11-0033 Vaccine and Treatment Evaluation Units (VTEUs): Evaluation of Control Measures Against Diseases Other Than AIDS	Direct	93.000	HHSN272200800003C	236,408				
6G-11-0021 Vaccine and Treatment Evaluation Units (VTEUs): Evaluation of Control Measures Against Diseases Other Than AIDS	Direct	93.000	HHSN272200800003C	599				
7C-13-0033-Vaccine and Treatment Evaluation Unit	Direct	93.000	HHSN272200800003C	1,070				
7D-13-0034 Vaccine and Treatment	Direct	93.000	HHSN272200800003C	6,489				
8A-09-0065 - Vaccine and Treatment Evaluation Units (VTEUs): Evaluation of Control Measures Against Diseases Other Than AIDS	Direct	93.000	HHSN272200800003C	17,224				
9A-12-0096- Vaccine and Treatment	Direct	93.000	HHSN272200800003C	10,351				
10D-11-0033 Vaccine and Treatment Evaluation Units (VTEUs): Evaluation of Control Measures Against Diseases Other Than AIDS	Direct	93.000	HHSN272200800003C	87,747				
10E-12-0106 Vaccine and Treatment Evaluation Units (VTEUs): Evaluation of Control Measures Against Diseases Other Thand AIDS	Direct	93.000	HHSN272200800003C	20,436				
11-0033 Lab Assays	Direct	93.000	HHSN27200018	2,238				
11-0033 Trial	Direct	93.000	HHSN27200018	7,697				
11E-11-0033L Vaccine and Treatment Evaluation Units (VTEUs): Evaluation of Control Measures Against Diseases Other Than AIDS	Direct	93.000	HHSN272200800003C	11,631				
12-0096 Substudy	Direct	93.000	HHSN27200018	175				
14-0107 Task Area C Option 1 Protocol Implementation	Direct	93.000	14-0107.B1C1D1.0023	338,077				

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<b>Research and Development Cluster (Continued)</b>								
<b>93 Department Of Health And Human Services (Continued)</b>								
14-0107 Task Area C-2 Protocol Implementation	Direct	93.000	14-0107.B1C1D1.0023	253,476				
14-0107 Task Area C-3 Protocol Implementation	Direct	93.000	14-0107.B1C1D1.0023	202,250				
14-0112 Task Area B - Base Protocol Implementation	Direct	93.000	14-0112.B1C1D1.0029	6,481				
14-0112 Task Area D-7	Direct	93.000	14-0012.B1C1D1.0029	9,250				
15-0064 Task Area C - Base Protocol Implementation	Direct	93.000	15-0064.C1.0039	341,512				
15-0066 B Avian Flu ASO	Direct	93.000	15-0066.B1C1D1.0041	14,743				
15-0066 C-1 Avian Flu ASO	Direct	93.000	15-0066.B1C1D1.0041	469,239				
16-0033 Zika in PR, Task Area B-2	Direct	93.000	16-0033.B1C1.0046	103,058	33,188			
16-0033 Zika in PR, Task Area C-1	Direct	93.000	16-0033.B1C1.0046	582,791				
16-0033 Zika in PR, Task Area C-3	Direct	93.000	16-0033.B1C1.0046	305,490	220,801			
16-00333 Zika in PR, Task Area B Base	Direct	93.000	16-0033.B1C1.0046	11,668				
Description of Supplies/Services: Disaster Health Information Outreach and Collaboration Project 2015	Direct	93.000	HHSN276201500660P	9,233				
FY.2015.D1B1C1.0032 01-351 Substudy	Direct	93.000	2015.D1B1C1.0032	2,937				
FY.2015.D1B1C1.0032 01-643 Substudy	Direct	93.000	FY.2015.D1.B1.C1.0032	84,200				
FY.2015.D1B1C1.0032 04-0101 Substudy	Direct	93.000	FY.2015.D1BC1.0032	20,915				
FY.2015.D1B1C1.0032 08-0066 Substudy	Direct	93.000	FY.2015.D1B1C1.0032	127,402				
FY.2017.AB1C1D1.0048 Task Area A - Base	Direct	93.000	FY.2017.A1B1C1D1.0048	278,666				
Hamster Model for Human Adenovirus - Task Order A84	Direct	93.000	HHSN272201000021I	699,906				
NSABP B-31 A Randomized Trial Comparing the Safety and Efficacy of Adriamycin and Cyclophosphamide Followed by Taxol (AC-t)	Direct	93.000	NSABP B-31	67				
Omics A-Base FY.2015.A3D12.0031	Direct	93.000	FY.2015.A3D12.0031	4,569				
Omics D-2a FY.2015.A3D12.0031	Direct	93.000	FY2015.A3D12.0031	28,031				
Omics D-3a FY.2015.A3D12.0031	Direct	93.000	FY.2015.A3D12.0031	12,677				
Omics D-4a FY.2015.A3D12.0031	Direct	93.000	FY.2015.A3D12.0031	2,665				
Task Area A - Base - FY.2016.A1B1C1D1.0026	Direct	93.000	FY.2016.A1B1C1D1.0026	21,728				
Task Area B Base 16-0004.B1C1D1.0055	Direct	93.000	16-0004.B1C1D1.0055	23,917				
Task Area B-2A FY.2017.A1B1C1D1.0048	Direct	93.000	FY.2017.A1B1CD1.0048	26,599				
Task Area D-6A FY.2017.A1B1C1D1.0048	Direct	93.000	FY.2017.A1B1C1D1.0048	4,261				
Task Area D-6B FY.2017.A1B1C1D1.0048	Direct	93.000	FY.2017.A1B1C1D1.0048	4,413				
Task Area D-7A FY.2017.A1B1C1D1.0048	Direct	93.000	FY.2017.A1B1C1D1.0048	14,098				
Vaccine and Treatment Evaluation Units (VTEUs): Evaluation of Control Measures Against Diseases Other Than AIDS	Direct	93.000	HHSN272200800003C	-30				
Zika 16-0017 B Base	Direct	93.000	16-0017.B1C1D1.0043	1,647				
Zika 16-0017 D-4 Task Area	Direct	93.000	16-0017.B1C1D1.0043	386,016	187,955			
<b>Total for CFDA Number 93.000</b>				<b>4,794,017</b>	<b>441,944</b>			
Mechanistic Insights of BME Mediated Inhibition of Head and Neck Cancer Growth	Direct	93.121	1R01DE025141-01	<b>229,010</b>				
Development of RORalpha and RORgamma Ligands for Treatment of Behavioral Disorders	Direct	93.242	2R01MH092769-06A1	524,140				
Prescription Opioid Analgesics and Risk and Major Depression			1R21MH101389-01A1	1,166				
REV-ERB ligands for treatment of anxiety disorders			7R01MH093429-03	466,263	11,011			
<b>Total for CFDA Number 93.242</b>				<b>991,569</b>	<b>11,011</b>			
Behavioral Health Workforce Education and Training for Professionals and Paraprofessionals	Direct	93.243	G02HP27959	181,102				
<b>Subtotal for Department of Health And Human Services -Direct</b>								

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<b>Research and Development Cluster (Continued)</b>								
<b>93 Department Of Health And Human Services (Continued)</b>								
Using Ecological Momentary Assessment to Define Alcohol's Impact HIV Outcomes	Direct	93.273	R21AA022064	5,150				
<b>Subtotal for Department of Health And Human Services -Direct</b>								
<b>Total for CFDA Number 93.273</b>								
Exercise: Addressing Stress in Relapse Prevention- Substance Use Disorders	Direct	93.279	1R01DA033411-01A1	225				
Exercise: Addressing Stress in Relapse Prevention-Substance Use Disorders	Direct		4R01DA033411-03	271,289	23,890			
Preserving opioid analgesia using a novel adenosinergic approach	Direct	93.279	1R21DA040305-01	203,781				
<b>Total for CFDA Number 93.279</b>								
				<b>475,295</b>	<b>23,890</b>			
Apoptosis Regulation by Adenovirus and Cellular Genes	Direct	93.393	2R01CA033616	2,124				
Breast Cancer Prevention Using Bitter Melon as a Natural Product	Direct		1R21CA198382-01	127,210				
Human HDAC3: Mechanism of activation and proteasomal degradation	Direct		1R21CA178513-01A1	51,261				
Implementation Climate in Public Health Settings for Obesity and Cancer Control	Direct		1R03CA172735-01	2,363				
Racial Disparity of microRNA in Hepatitis C Virus Mediated Hepatocellularcarinoma	Direct		5R21CA188472-02	152,840				
<b>Total for CFDA Number 93.393</b>								
				<b>335,798</b>				
A3AR Agonists to Prevent Chemotherapy-Induced Painful Peripheral Neuropathy	Direct	93.395	1R01CA169519-01A1	9,525	44,519			
			4R01CA169519-04	520,937	71,455			
<b>Total for CFDA Number 93.395</b>								
				<b>530,462</b>	<b>115,974</b>			
Gamma/Delta Treg Cells and Human Breast Cancer	Direct	93.396	1R01CA184379-01A1	373,800				
The Role of Tristetrapolin in Control of Breast Cancer Progression	Direct		4R01CA163808-05	202,304				
The Role of Tristetrapolin in Control of Breast Cancer Progression	Direct		1R01CA163808-01	-9,130				
<b>Total for CFDA Number 93.396</b>								
				<b>566,974</b>				
Missouri's State Targeted Response to the Opioid Crisis	Direct	93.788	1H79TI080271-01	8,457				
Angiotensin receptor regulation by upstream short open reading frames	Direct	93.837	410627_GR410606-SLU	-1,485				
Control of Sterol and Lipoprotein Homeostasis by miRNA	Direct		2R01HL107794-06	371,461				
PTSD Treatment: Effects on Health Behavior, Cardiovascular and Metabolic Disease	Direct		5R01HL125424-02	495,707	109,975			
Structural determination of prothrombin activation (A1 submission)	Direct		2R01HL049413-20A1	391,699				
<b>Total for CFDA Number 93.837</b>								
				<b>1,257,382</b>	<b>109,975</b>			
Aberrant hematopoiesis: E proteins and AML1-ETO in leukemogenesis	Direct	93.839	7R01HL093195-06	-3,648				
Protease Activated Signaling by Coagulation Proteases	Direct		2R01HL101917-05A1	203,440				
Serpin regulation of coagulation proteases	Direct		2R01HL062565	56,039				
Studies on anticoagulant properties of thrombin	Direct		2R01HL073813-11	144,095				
<b>Total for CFDA Number 93.839</b>								
				<b>399,926</b>				



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<b>Research and Development Cluster (Continued)</b>								
<b>93 Department Of Health And Human Services (Continued)</b>								
A negative feedback loop between Osteoclasts and CD8 T-cells	Direct	93.846	1R01AR0642821-01A1	303,948	10,158			
ERRgamma Agonists to Treat Muscular Dystrophy	Direct		1R01AR069280-01A1	406,887				
High Throughput Screening to Identify Small Molecule Rank Agonists	Direct		1R01AR068438-01	307,416				
Therapeutic application of small molecule MIF inhibitors in rheumatoid arthritis	Direct		5K01AR060300-02	14,053				
<b>Total for CFDA Number 93.846</b>				<b>1,032,304</b>	<b>10,158</b>			
Glucose transporters and cellular antioxidant potential	Direct	93.847	1R15DK102122-01A1	153,150				
2017 Biolron Conference	Direct		1R13DK113771-01	19,600				
Hepatitis C Virus Infection and Mechanism of Liver Disease Progression	Direct		1R01DK113645-01	30,250				
Innate Immunity and Hepatitis C Virus Infection	Direct		5R01DK081817	-7,187				
Investigating Synthetic Ligands for the Treatment of NASH	Direct		5F32DK105845-03 REVISED	26,460				
Mechanisms of Liver Disease Progression by Hepatitis C Virus	Direct		5R01DK080812	3,791				
Melanocortin-3 Receptor Regulation of Physical Activity and Metabolism	Direct		7R01DK073189-09	33,941				
Midwest Hepatitis B Consortium	Direct		5U01DK082871-010	400,449	74,537			
Mitochondrial Carbonic Anhydrases and Diabetic Blood-Brain Barrier Disruption	Direct		1R01DK08348501	21				
Regulation of Nephron Progenitor Cell Self-Renewal and Differentiation	Direct		1R01DK098563-01A1	347,587				
Regulatory Role of Transferrin in Erythropoiesis and Iron Metabolism	Direct		1R01DK095112-01A1	168,141	141,068			
Stable isotopic and metabolic studies in a model of lactic acidosis tolerance	Direct		1R15DK097700-01	59,730				
The Role of EBI3 in Regulating Gastritis and Gastric Carcinogenesis	Direct		1R01DK110406-01	355,876	165,763			
The Saint Louis University Component of the NASH Clinical Research Network	Direct		5U01DK061718-16	438,941	128,346			
<b>Total for CFDA Number 93.847</b>				<b>2,030,750</b>	<b>509,714</b>			
Convergent Versus Parallel Striatal Afferents	Direct	93.853	2R01NS023805-24A1	-36,154				
Convergent Versus Parallel Striatal Afferents	Direct		4R01NS023805-27	304,491				
Dissecting the Contribution of Viral Genetic Variation to HSV-1 Neuropathogenesis	Direct		1R21NS098104-01	164,502	69,486			
Peripheral Glial Response to Sensory Nerve Degeneration	Direct		1R21NS087574-01A1	190,873				
Structural studies of PARK14	Direct		1R21NS094854-01A1	189,857				
The role of TDP-43 phosphorylation in protein function and neurodegeneration	Direct		1K01NS082391-01	13,312				
<b>Total for CFDA Number 93.853</b>				<b>826,881</b>	<b>69,486</b>			
A High Throughput Reverse Genetics System for Hepatitis C Virus	Direct	93.855	1R03AI11047-01A1	56,623				
A screen for antiviral compounds targeting the Hepatitis B Virus ribonuclease H	Direct		1R01AI104494-01A1	138,330				
Aspartic Protease Inhibitors as Novel Antimalarials	Direct		1R01AI106498-01	66				
Assembly of HIV intasomes	Direct		1R21AI127196-01	158,880				
Biochemistry of Viral Replication	Direct		4K06AI004739-51	28,393				
	Direct		4K06AI004739-55	5,679				
Defining approaches for improving HID and HPD compounds as BHV RNaseH	Direct		1R21AI124672-01A1	33,630				
Development of a vaccine for prevention of Haemophilus Influenzae otitis media	Direct		1R01AI081887	47,228				
Frequency and pattern of resistance mutations to novel inhibitors of HSV-1	Direct		1R03AI115321-01A1	63,881				
Functions in Hopx in Immune Tolerance in a Model of Multiple Sclerosis	Direct		1R01AI113903-01	420,054				
Hepatitis B Virus Diversity and Ribonuclease H Inhibitor Efficacy	Direct	93.855	1R03AI109460-01A1	7,613				
Immune Control of West Nile Virus Quasispecies Dynamics	Direct		1K22AI04794-01A1	142,998				

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<b>Research and Development Cluster (Continued)</b>								
<b>93 Department Of Health And Human Services (Continued)</b>								
Mechanisms of IL28B Genetic Variation- Mediated Clearance of Hepatitis C Virus	Direct		1R21AI099780-01A1	39,227				
Next Generation Sequencing based on analysis of RNA polymerase functions	Direct		1R21AI112919-01A1	115,456				
Optimization of alpha-hydroxytyrpolones as novel inhibitors of the HBV RNaseH	Direct		1R01AI122669-01	411,700	137,514			
Protective and pathologic effects of Th17 cells specific for an intracellular pathogen	Direct		1R21AI128270-01	60,149				
R21 Resubmission: Viral Categorization and Discovery in Acute Liver Failure and Unknown Etiology	Direct		1R21AI117128-01A1	63,581				
Role of gamma/delta T cells in vaccine induced immunity	Direct		2R01AI048391-09	285,369	132,234			
T cell Activation by Immune Complexes and complement in Autoimmunity	Direct		4R01AI098114-05	302,665				
<b>Total for CFDA Number 93.855</b>				<b>2,381,522</b>	<b>269,748</b>			
Structural studies of the HBV ribonuclease H	Direct	93.856	1R03AI123689-01	56,705				
Task Order 006: DMID13-0069 ECG Lab Work	Direct		HHSN272200800026C, CEL-11-01	10,049				
<b>Total for CFDA Number 93.856</b>				<b>66,754</b>				
Biomimetic Platform for Metabolomic Analysis	Direct	93.859	1R15GM113153-01	97,657				
Chlorinated Lipids in Sepsis	Direct		1R01GM115553-01	513,713	179,355			
Cohesion and Enhancers	Direct		1R01GM108714-01A1	229,526				
Cohesion Polycomb	Direct		1R01GM108872-01	305,139				
Identification of DNA apatazymes for small molecule-sensors	Direct		1R15GM101595-01	-491				
Mechanisms Responsible for Genomic Instability in Premature Aging	Direct		7R01GM094513-03	401				
Laminopathies								
Microchip-based Cell Reactor/Analysis System	Direct		2R15GM084470-04A1	85,170				
New bioanalytical methods based on next generation sequencing	Direct		1R01GM109974-01A1	311,779				
New Mechanisms in Regulating Ras and Protein Kinase A Signaling	Direct		1R15GM1060330-01	50,148				
New Mechanisms of Replication Stress Response	Direct		1R01GM108648-01	297,619				
Pharmacological Sciences Training Grant	Direct		5T32GM008306-227 REVISED	139,832				
Understanding the thermodynamics and structure of RNA secondary structure motifs	Direct		2R15GM085699-03	36,376				
<b>Total for CFDA Number 93.859</b>				<b>2,066,869</b>	<b>179,355</b>			
Newborn Screening and Biomarkers for Mucopolysaccharidoses	Direct	93.865	1R01HD065767-01A1	158,693				158,405
A Big Data Research Study on the Relationship Between Metformin Use and Dementia	Direct	93.866	R21AG055604	13,585				
Colonoscopy in Colorectal Cancer Patients with Multiple Chronic Conditions (R56)	Direct		1R56AG049503-01A1	34,854				-3,096
Investigation of neural mechanisms of late life cognition and emotion regulation	Direct		7K01AG049075-02	96,374				
<b>Total for CFDA Number 93.866</b>				<b>144,813</b>				<b>-3,096</b>
Pediatric Eye Disease Investigator Group Coordinating Center		93.867	2U10EY011751	6,413				

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<b>Research and Development Cluster (Continued)</b>								
<b>93 Department Of Health And Human Services (Continued)</b>								
Academic Administrative Units in Primary Care		93.884	D54HP232860400	54,243				
Residency Training in Primary Care			D58HP23229-04	29,467				
<b>Total for CFDA Number 93.884</b>				<b>83,710</b>				
<b>Subtotal for Department of Health and Human Services-Direct</b>				<b>18,573,851</b>	<b>1,896,564</b>			
Board of Trustees of Southern Illinois University	Pass-Through	93.000	761820-001	2,267				
	Pass-Through		761820-001-02	27,561				
Clinical Research Management Inc	Pass-Through		CEL-11-01	13,433				
Curators of the University of Missouri	Pass-Through		00054922-2	23,793				
Emory University	Pass-Through		T649571	225,488				
National Surgical Adjuvant Breast and Bowel Project	Pass-Through		NSABP B-30	290				
	Pass-Through		NSABP B-36	982				
	Pass-Through		NSABP B-38	829				
National Surgical Adjuvant Breast and Bowel Project	Pass-Through		NSABP B-40	786				
	Pass-Through		NSABP B-42	195				
	Pass-Through		NSABP B-46	3,476				
PaxVax Inc	Pass-Through		PXVX-PA-0001-	-1,339				
Southwest Oncology Group Clinical Trials Initiative LLC	Pass-Through		CALGB 80405	1,241				
	Pass-Through		CTSU/C10404	32				
	Pass-Through		S0702	4,143				
	Pass-Through		S0931	413				
	Pass-Through		S1106	1,658				
	Pass-Through		SWOG S0120	690				
	Pass-Through		SWOG S0424	86				
	Pass-Through		SWOG S1007	306				
Washington University	Pass-Through		WU-17-5	43,526				
<b>Total for CFDA Number 93.000</b>				<b>349,856</b>				
University of Texas Health Science Center - Houston	Pass-Through	93.080	0011472K	6,605				
University of Texas Health Science Center - Houston	Pass-Through		0011472M	16,510				
	Pass-Through		AMEND #1 SUBAWARD 001147	15,663				
<b>Total for CFDA Number 93.080</b>				<b>38,778</b>				
University of Kansas Medical Center	Pass-Through	93.103	QB859730	12,709				
Curators of the University of Missouri	Pass-Through	93.110	00049067-1	2,822				
University of Texas Health Science Center - Houston	Pass-Through		AMEND 5, SUB 0010176E	26,832				
	Pass-Through		SUB #0010176M, H30MC24051-0	23,350				
<b>Total for CFDA Number 93.110</b>				<b>53,004</b>				
Board of Trustees for the University of Alabama	Pass-Through	93.113	000501087-001	162,940				
	Pass-Through		000507395-001	156,728				
	Pass-Through		000510923-001	93,082				
<b>Total for CFDA Number 93.113</b>				<b>412,750</b>				
West Virginia University	Pass-Through	93.136	04-441-SLU	13,316				
<b>Total for CFDA Number 93.136</b>								

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<b>Research and Development Cluster (Continued)</b>								
<b>93 Department Of Health And Human Services (Continued)</b>								
NorthShore University HealthSystem	Pass-Through	93.226	EH14-422	8,409				
Curators of the University of Missouri	Pass-Through	93.213	00050377-1	89,822				
University of Iowa	Pass-Through	93.262	PO#: 1001559504	2,073				
	Pass-Through		W000870562/PO1001763..	17,616				
<b>Total for CFDA Number 93.262</b>				<b>19,689</b>				
Washington University	Pass-Through	93.273	WU-14-149-MOD-3	76,481				
<b>Subtotal for Department of Health And Human Services -Pass-through</b>				<b>76,481</b>				
<b>Total for CFDA Number 93.273</b>								
Johns Hopkins University	Pass-Through	93.286	2002785144	7,693				
Michigan State University	Pass-Through		RCI030565SLU	-52				
<b>Total for CFDA Number 93.286</b>				<b>7,641</b>				
Washington University	Pass-Through	93.350	WU-16-12 PO 2928044A	338				
	Pass-Through		WU-16-16 PO#2928045A	-705				
<b>Total for CFDA Number 93.350</b>				<b>-367</b>				
University of Maryland	Pass-Through	93.393	Z035601	32,836				
<b>Total for CFDA Number 93.393</b>				<b>32,836</b>				
Children's Hospital of Philadelphia	Pass-Through	93.395	9500080215-12C	9,285				
John Wayne Cancer Institute at Saint Johns Health Center	Pass-Through		308801	2,059				
University of Iowa	Pass-Through		W000762480- PO #1001533466	7,664				
	Pass-Through		W000864431/PO1001692..	85,377				
<b>Total for CFDA Number 93.395</b>				<b>104,385</b>				
Brigham & Women's Hospital	Pass-Through	93.837	PS #107223	11,061				
Duke University	Pass-Through		203-8159	69,715				
	Pass-Through		193603	-4,198				
	Pass-Through		200464	-2,817				
	Pass-Through		AMEND #1 SUB 203-8799	106,696				
	Pass-Through		EPM 6718	32				
	Pass-Through		SUB 2038823 AMEND #1	13,237				
	Pass-Through		SUBAWARD 203-8180	10,333				
Emory University	Pass-Through		T594891 AMEND #2	70,386				
Emory University	Pass-Through		T763920 (T594891), AMEND #3	36,636				
Georgetown University	Pass-Through		410627_GR410606, MOD 2	367,123				
	Pass-Through		GR411196_GR411104, MOD 1	62,231				
New York University School of Medicine	Pass-Through		10-01073	4,915				
	Pass-Through		10-01703,PO# M160048763	3,660				
Washington University	Pass-Through		SUB# WU-17-346, PO# 2928738C	7,424				
	Pass-Through		WU-16-279, PO# 2929011A	3,633				

**SAINT LOUIS UNIVERSITY**  
Schedule of Expenditures of Federal Awards  
Year Ended June 30, 2017

Grant/Program Title Pass-Through Entity	Payment Source	CFDA Number	Award Number	FY2017 Expenditures	Awards Passed Through to Subrecipients	Subtotal By Program	Subtotal By Agency	Subtotal By Cluster/ Other Programs
<b>Research and Development Cluster (Continued)</b>								
<b>93 Department Of Health And Human Services (Continued)</b>								
	Pass-Through		WU-16-280, PO# 2929012A	8,609				
	Pass-Through		WU-16-384	214,165				
	Pass-Through		WU-17-341 PO# 2928783C	3,239				
				<u>986,080</u>				
<b>Total for CFDA Number 93.837</b>								
Case Western Reserve University	Pass-Through	93.838	RES508387	61,068				
Seattle Childrens Hospital	Pass-Through		10928SUB	10,204				
				<u>71,272</u>				
<b>Total for CFDA Number 93.838</b>								
Rutgers The State University	Pass-Through	93.839	320908	3,966				
	Pass-Through		SUBAWARD #0027, PO # 548662	33,989				
				<u>37,955</u>				
<b>Total for CFDA Number 93.839</b>								
Board of Trustees University of Illinois	Pass-Through	93.846	16285	12,568				
George Washington University	Pass-Through		SUBAWARD #13-D21	18,208				
	Pass-Through		SUBAWARD #15-D10	20,719				
	Pass-Through		SUBAWARD# 14-D10	152,891				
				<u>204,386</u>				
<b>Total for CFDA Number 93.846</b>								
Johns Hopkins University	Pass-Through	93.847	PO# 2003402850	138,612				
National Institute of Diabetes & Digestive & Kidney Diseases	Pass-Through		1K08DK098623-01A1	143,176				
	Pass-Through		1R01DK106249-01	276,610				
	Pass-Through		5R01DK081817-07	288,175				
	Pass-Through		5U01DK061718-16	-7,566	10,199			
	Pass-Through		5U01DK082871-010	-21,091				
Nuero 10-9 Pharma Inc	Pass-Through		ERS# 19451	28,826				
Research Institute at Nationwide Childrens Hospital	Pass-Through		AMENDMENT 2 SUB 952615	1,061				
University of Cincinnati	Pass-Through		009621-002	37,334				
Washington University	Pass-Through		AM3 WU-15-65-MOD-2, PO#2922	25,463				
	Pass-Through		WU-13-184/PO#2917222W	1,057				
	Pass-Through		WU-15-130-MOD 3, PO #2922554	130,581				
Fred Hutchinson Cancer Research Center	Pass-Through		0000848398	10,471				
	Pass-Through		0000885177	45,897				
Los Angeles Biomedical Research	Pass-Through		20954-SLU PO#16007680	11,089				
Mayo Clinic Jacksonville	Pass-Through		320633	2,000				
Regents of the University of Minnesota	Pass-Through		N004688803	25,455				
Fred Hutchinson Cancer Research Center	Pass-Through		SUB #0000851954, PRJ #214241	2,796				
	Pass-Through		SUBAWARD 0000887524	8,437				
George Washington University	Pass-Through		16-S06	37,130				
Kansas State University	Pass-Through		S15011.01	10,540				
Mediomics LLC	Pass-Through		ERS# 40709	25,250				
MediSynergics LLC	Pass-Through		ERS# 19853	24,573				
				<u>1,245,876</u>	<u>10,199</u>			
<b>Total for CFDA Number 93.847</b>								
Northeastern University	Pass-Through	93.855	500469-78050	85,490				
	Pass-Through		UPDATE WITH FEA	3,683				
Pennsylvania State University	Pass-Through		#5231-SLU-DHHS-5818	21,693				
Regents of the University of California San Francisco	Pass-Through		8465	-2,400				
	Pass-Through		8465C	2,400				

**SAINT LOUIS UNIVERSITY**  
Schedule of Expenditures of Federal Awards  
Year Ended June 30, 2017

Grant/Program Title Pass-Through Entity	Payment Source	CFDA Number	Award Number	FY2017 Expenditures	Awards Passed Through to Subrecipients	Subtotal By Program	Subtotal By Agency	Subtotal By Cluster/ Other Programs
<b>Research and Development Cluster (Continued)</b>								
<b>93 Department Of Health And Human Services (Continued)</b>								
University of Oklahoma Post Award Financial Services	Pass-Through		SUBCONTRACT #2015-10	73,766				
Washington University	Pass-Through		WU-14-358-MOD1	11,659				
	Pass-Through		WU-16-324	<u>143,915</u>				
<b>Total for CFDA Number 93.855</b>				<b>340,206</b>				
Washington University	Pass-Through	93.856	WU-16-341	<b>34,250</b>				
<b>Subtotal for Department of Health And Human Services -Pass-through</b>								
<b>Total for CFDA Number 93.856</b>								
Division of General Medical	Pass-Through	93.859	1R01GM112188-01A1	253,467				
DNA Polymerase Technology Inc	Pass-Through		320502	35,307				
Regents of the University of Minnesota	Pass-Through		H003737501	21,723				
	Pass-Through		H005083801	88,616				
University of Cincinnati	Pass-Through		COEUS #008601-006	<u>36,937</u>				
<b>Total for CFDA Number 93.859</b>				<b>436,050</b>				
Children's Hospital of Philadelphia	Pass-Through	93.865	ACTIVITY #3017X	16,389				
Childrens Hospital Medical Center	Pass-Through		130245 AMENDMENT #3	95,403				
	Pass-Through		130245, PO #3100417358	-6,174				
	Pass-Through		SUBAWARD NO. 136785	9,234				
Rectors and Visitors of the University of Virginia	Pass-Through		GB10318 152738 AMEND #1	758				
University of Houston	Pass-Through		R-12-0058	<u>9,036</u>				
<b>Total for CFDA Number 93.865</b>				<b>124,646</b>				
Board of Trustees of Southern Illinois University	Pass-Through	93.866	SUBAGREEMENT #761815-002	56,612				
Seattle Institute for Biomedical & Clinical Research	Pass-Through		BW29-SLU-3	70,719				
	Pass-Through		BW29-SLU-4	10,969				
University of California	Pass-Through		64946772	24,917				
	Pass-Through		68213713, AMEND1, PO S900126	39,852				
University of Iowa	Pass-Through		W000729883 PO 1001496890	11,387				
Washington University	Pass-Through		WU-15-328	<u>4,853</u>				
<b>Total for CFDA Number 93.866</b>				<b>219,309</b>				
Children's Hospital of Philadelphia	Pass-Through	93.867	3209850815	1,838				
	Pass-Through		AMEND #5, SUB 3209850817	7,251				
Missouri Department of Health & Senior Services	Pass-Through		CS171489002	<u>271</u>				
<b>Total for CFDA Number 93.867</b>				<b>9,360</b>				
<b>Subtotal for Department of Health and Human Services-Pass-Through</b>				<b>4,928,699</b>	<b>10,199</b>			
<b>Total for Department of Health and Human Services</b>					<b>1,906,763</b>		<b>23,502,550</b>	
<b>United States Agency for International Development</b>								
International Aids Vaccine Initiative	Pass-Through	98.001	AGREEMENT #2397	<u>6,854</u>				
<b>Subtotal for United States Agency for International Development -Pass-Through</b>				<b>6,854</b>				
<b>Total for United States Agency for International Development</b>							<b>6,854</b>	
<b>Total Research and Development Cluster</b>						<b>2,002,828</b>		<b>27,252,932</b>

**SAINT LOUIS UNIVERSITY**  
 Schedule of Expenditures of Federal Awards  
 Year Ended June 30, 2017

Grant/Program Title Pass-Through Entity	Payment Source	CFDA Number	Award Number	FY2017 Expenditures	Awards Passed Through to Subrecipients	Subtotal By Program	Subtotal By Agency	Subtotal By Cluster/ Other Programs
<b>TRIO Cluster</b>								
Student Support Services Grants	Direct	84.042	P042A151598	256,311				
TRIO - Talent Search	Direct	84.044	POA44110876	86,325				
TRIO-Talent Search	Direct	84.044	P044A160669	161,088				
<b>Total for CFDA Number 84.044</b>				<b>247,413</b>				
<b>Total for TRIO Cluster</b>								<b>503,724</b>
<b>Other Programs</b>								
<b>14 United States Department of Housing and Urban Development</b>								
St. Louis Housing Authority	Pass-Through	14.897	320787	35,275				
<b>Subtotal for United States Department of Housing and Urban Development -Pass-Through</b>				<b>35,275</b>				
<b>Total for CFDA Number 14.897</b>						<b>35,275</b>		
<b>Total for United States Department of Housing and Urban Development</b>							<b>35,275</b>	
<b>66 Environmental Protection Agency</b>								
St Louis Community College	Pass-Through	66.815	320431 320706	20,396 42,351				
<b>Subtotal for Environmental Protection Agency -Pass-Through</b>				<b>62,747</b>				
<b>Total for CFDA Number 66.815</b>						<b>62,747</b>		
<b>Total for Environmental Protection Agency</b>							<b>62,747</b>	
<b>84 Department Of Education</b>								
St Louis Public Schools Foundation	Pass-Through	84.215	Null Q215F120077	24,532 20,881				
<b>Subtotal for Department of Education -Pass-through</b>				<b>45,413</b>				
<b>Total for CFDA Number 84.215</b>						<b>45,413</b>		
<b>Total for Department of Education</b>							<b>45,413</b>	
<b>93 Department Of Health And Human Services</b>								
Area Health Education Centers Point of Service and Enhancement	Direct	93.107	U77HP23070--06-00	106,745	78,989			
<b>Subtotal for Department of Health And Human Services -Direct</b>				<b>106,745</b>	<b>78,989</b>			
<b>Total for CFDA Number 93.107</b>						<b>106,745</b>		
Behavioral Health Workforce Education and Training for Professionals and Paraprofessionals	Direct	93.243	1G02HP30566-01-00	67,655				
<b>Subtotal for Department of Health And Human Services -Direct</b>				<b>67,655</b>				
<b>Total for CFDA Number 93.243</b>						<b>67,655</b>		
HRSA - The St. Louis University Urban Undeserved MD/MPH Program	Direct	93.884	5T85HP24467-05-00	273,356	58,172			
<b>Subtotal for Department of Health And Human Services -Direct</b>				<b>273,356</b>	<b>58,172</b>			
<b>Total for CFDA Number 93.884</b>						<b>273,356</b>		
Show Me Healthy Women FY 15-18	Direct	93.919	320573	2,374				
<b>Subtotal for Department of Health And Human Services -Direct</b>				<b>2,374</b>				
<b>Total for CFDA Number 93.919</b>						<b>2,374</b>		
Public Health Traineeships for Maternal Child Health	Direct	93.964	1A03HP27852-01	3,321				
<b>Subtotal for Department of Health And Human Services -Direct</b>				<b>3,321</b>				
<b>Total for CFDA Number 93.964</b>						<b>3,321</b>		

**SAINT LOUIS UNIVERSITY**  
 Schedule of Expenditures of Federal Awards  
 Year Ended June 30, 2017

Grant/Program Title Pass-Through Entity	Payment Source	CFDA Number	Award Number	FY2017 Expenditures	Awards Passed Through to Subrecipients	Subtotal By Program	Subtotal By Agency	Subtotal By Cluster/ Other Programs
<b>Other Programs (Continued)</b>								
<b>93 Department Of Health And Human Services (Continued)</b>								
Gateway Geriatric Education Center Geriatrics Work Force Enhancement Program Geriatric Education Centers	Direct Direct	93.969	5 U1HP28716-03-00 5UB4HP19060	965,739 <u>-3,897</u>	292,910			
<b>Subtotal for Department of Health And Human Services -Direct</b>						<u>961,842</u>		
<b>Total for CFDA Number 93.969</b>							<u>961,842</u>	
Genetic Disease Program Services	Direct	93.994	C313163001 AMENDMENT 002	<u>48</u>				
<b>Subtotal for Department of Health And Human Services -Direct</b>						<u>48</u>	<u>430,071</u>	
<b>Total for CFDA Number 93.994</b>								<u>48</u>
Minneapolis Medical Research Foundation	Pass-Through	93.000	HRSA-SRTR	<u>4,007</u>				
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>						<u>4,007</u>		
<b>Total for CFDA Number 93.000</b>								<u>4,007</u>
St Louis County Department of Health	Pass-Through	93.069	320230	<u>-63</u>				
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>						<u>-63</u>		
<b>Total for CFDA Number 93.069</b>								<u>-63</u>
Washington University	Pass-Through Pass-Through Pass-Through Pass-Through Pass-Through	93.153	WU-16-79 WU-16-81 WU-16-277 WU-17-185 WU-17-XXX	1,000 5,557 29,543 68,424 <u>24,406</u>				
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>						<u>128,930</u>		
<b>Total for CFDA Number 93.153</b>								<u>128,930</u>
Curators of the University of Missouri	Pass-Through Pass-Through	93.243	C00050312-1 C00056255-1	3,407 <u>7,100</u>				
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>						<u>10,507</u>		
<b>Total for CFDA Number 93.243</b>								<u>10,507</u>
Nurses for Newborns Foundation	Pass-Through	93.505	HRSA-10-275 HRSA-13-215	20,155 <u>18,014</u>				
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>						<u>38,169</u>		
<b>Total for CFDA Number 93.505</b>								<u>38,169</u>
Kentucky Population Health Institute	Pass-Through	93.516	KPHI302	<u>166</u>				
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>						<u>166</u>		
<b>Total for CFDA Number 93.516</b>								<u>166</u>
Missouri Department of Health & Senior Services	Pass-Through	93.752	ERS16116083/41482	<u>1,198</u>				
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>						<u>1,198</u>		
<b>Total for CFDA Number 93.752</b>								<u>1,198</u>
Missouri Department of Health & Senior Services	Pass-Through Pass-Through	93.758	320667 DH160017001 - AMEND001 DH160077001	6,000 5,169 <u>2,348</u>				
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>						<u>13,517</u>		
<b>Total for CFDA Number 93.758</b>								<u>13,517</u>
Health Resources and Services Administration	Pass-Through	93.884	1 T0BHP30018-01-00	<u>272,991</u>	<u>67,111</u>			
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>						<u>272,991</u>	<u>67,111</u>	
<b>Total for CFDA Number 93.884</b>								<u>272,991</u>



**SAINT LOUIS UNIVERSITY**  
 Schedule of Expenditures of Federal Awards  
 Year Ended June 30, 2017

Grant/Program Title Pass-Through Entity	Payment Source	CFDA Number	Award Number	FY2017 Expenditures	Awards Passed Through to Subrecipients	Subtotal By Program	Subtotal By Agency	Subtotal By Cluster/ Other Programs
<b>Other Programs (Continued)</b>								
<b>93 Department Of Health And Human Services (Continued)</b>								
City of St Louis	Pass-Through	93.914	HD CONTRACT #16-46 HD CONTRACT #17-XX	183,707 <u>69,541</u>				
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>				<b>253,248</b>				
<b>Total for CFDA Number 93.914</b>						<b>253,248</b>		
Washington University	Pass-Through	93.918	WU-16-277 WU-17-358	10,151 <u>9,104</u>				
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>				<b>19,255</b>				
<b>Total for CFDA Number 93.918</b>						<b>19,255</b>		
Missouri Department of Health & Senior Services	Pass-Through	93.919	ERS16117073	<u>1,066</u>				
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>				<b>1,066</b>				
<b>Total for CFDA Number 93.919</b>						<b>1,066</b>		
Health Resources and Services Administration	Pass-Through	93.925	T08HP30219-02-00	<u>600,000</u>				
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>				<b>600,000</b>				
<b>Total for CFDA Number 93.925</b>						<b>600,000</b>		
Minneapolis Medical Research Foundation	Pass-Through	93.994	HRSA-SRTR NRSA-SRTR	59,478 82,229				
Missouri Department of Health & Senior Services	Pass-Through		C313163001, AMENDMENT 003	<u>3,291</u>				
<b>Subtotal for Department of Health And Human Services -Pass-Through</b>				<b>144,998</b>				
<b>Total for CFDA Number 93.994</b>						<b>144,998</b>		
<b>Total for Department of Health And Human Services</b>								
						<b>67,111</b>		
<b>Total for Cluster</b>						<b>497,182</b>	<b>2,903,330</b>	
<b>Total Other Programs</b>								<b>3,046,765</b>
<b>Grand Total</b>						<b>\$ 2,500,010</b>		<b>\$ 175,359,561</b>

See accompanying independent auditors' report and notes to schedule of expenditures of federal awards.

**SAINT LOUIS UNIVERSITY**

Notes to Schedule of Expenditures of Federal Awards

Year ended June 30, 2017

**(1) Summary of Significant Accounting Policies and Basis of Presentation**

The accompanying Schedule of Expenditures of Federal Awards (the Schedule) summarizes the expenditures of Saint Louis University (the University) under programs funded by the federal government for the year ended June 30, 2017. The information in this schedule is presented in accordance with the requirements of Title 2 U.S. Code of Federal Regulations Part 200 Uniform Guidance Administration Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance). The Schedule has been prepared on the accrual basis of accounting. Because the Schedule presents only a selected portion of the operations of the University, it is not intended to and does not present the financial position or changes in net assets of the University.

For purposes of the Schedule, federal awards include all grants and contracts entered into directly between the University and agencies and departments of the federal government, as well as federal funds passed through to the University by other recipients.

**(2) Indirect Cost Rates**

Expenditures for federal programs are recognized using the cost accounting principles contained in the Uniform Guidance, Subpart E-Cost Principles. Under those cost principles, certain types of expenditures are not allowable or are limited as to reimbursement. Expenditures include a portion of costs associated with general University activities (facilities and administrative costs or indirect costs), which are allocated to federal awards under negotiated formulas commonly referred to as facilities and administrative cost rates. Facilities and administrative costs allocated to such awards for the year ended June 30, 2017, were based on predetermined fixed rates up to 51.5% negotiated with the University's cognizant federal agency, the U.S. Department of Health and Human Services, and are included as a component of the expenditures in the Schedule. The University has not elected to use a 10% de minimis cost rate provided for in the Uniform Guidance.

**(3) Loan Programs**

The University participates in various loan programs. Certain loan programs are considered to be a component of the student financial assistance cluster. The following schedule represents loans outstanding of the University as of June 30, 2017:

	<b>CFDA number</b>	<b>Outstanding balance</b>
Federal Perkins Loan Program	84.038	\$ 13,855,393
Loans for Disadvantaged Students	93.342	301,183
Primary Care Loans	93.342	2,055,181
Nursing Student Loan Program	93.364	846,282
Nurse Faculty Loan Program – ARRA	93.264	20,741
Nurse Faculty Loan Program	93.264	212,740
Total – Student Financial Assistance Cluster Loans Outstanding		\$ 17,291,520

**SAINT LOUIS UNIVERSITY**  
Notes to Schedule of Expenditures of Federal Awards  
Year ended June 30, 2017

The following schedule represents loans advanced by the University for the year ended June 30, 2017:

	<b>CFDA number</b>	<b>Loans advanced</b>
Federal Perkins Loan Program	84.038	\$ 2,323,085
Loans for Disadvantaged Students	93.342	36,000
Nursing Student Loan Program	93.364	238,680
Nurse Faculty Loan Program	93.264	63,982
Total – Student Financial Assistance Cluster		
Loans Outstanding		\$ 2,661,747

The University claimed an administrative cost allowance of \$177,512 to the Federal Perkins Loan Program for 2017. The University also claimed an administrative cost allowance of \$59,622 on its Federal Work Study Program during 2017, which is included in the amounts on the Schedule.

**SAINT LOUIS UNIVERSITY**  
Schedule of Findings and Questioned Costs  
Year ended June 30, 2017

**(1) Summary of Auditors' Results**

- (a) Type of report issued on whether the consolidated financial statements were prepared in accordance with generally accepted accounting principles: **Unmodified**
- (b) Internal control deficiencies over financial reporting disclosed by the audit of the consolidated financial statements:
  - Material weaknesses: **No**
  - Significant deficiencies: **None Reported**
- (c) Noncompliance material to the consolidated financial statements: **No**
- (d) Internal control deficiencies over major programs disclosed by the audit:
  - Material weaknesses: **No**
  - Significant deficiencies: **Yes**
- (e) Type of report issued on compliance for major programs: **Unmodified**
- (f) Audit findings that are required to be reported in accordance with 2 CFR 200.516(a): **Yes**
- (g) Major programs:
  - Research and Development Cluster: Various CFDA numbers
  - Student Financial Assistance Cluster: Various CFDA numbers
  - Geriatric Education Centers: CFDA 93.969 and Gateway Geriatric Education Centers Workforce Enhancement Program: CFDA 93.969
- (h) Dollar threshold used to distinguish between Type A and Type B programs: **\$906,103**
- (i) Auditee qualified as a low-risk auditee: **Yes**

**(2) Findings Relating to the Financial Statements Reported in Accordance with *Government Auditing Standards***

None

**SAINT LOUIS UNIVERSITY**  
 Schedule of Findings and Questioned Costs  
 Year ended June 30, 2017

**(3) Findings and Questioned Costs Relating to Federal Awards**

**Finding 2017-001 – Inaccurate Reporting of Federal Expenditures on the Schedule of Expenditures of Federal Awards (SEFA)**

<b>Federal agency</b>	US Department of Health and Human Services and National Science Foundation
<b>Program name</b>	Research and Development Cluster
<b>CFDA No. and program expenditures</b>	84.215, 93.964, 93.113, 93.994, 47.074, 93.242, 93.393, 93.846, 93.847, 93.855, 93.859, 93.103, 93.243, 93.273, 93.350
<b>Award numbers</b>	Q215F120077, 1A03HP27852-01, 000507395-001, C313163001, AMENDMENT 003, 1640932, 7R01MH093429-03, 1R21CA178513-01A1, 1R01AR0642821-01A1, 7R01DK073189-09, 1R01AI106498-01, 1R01AI113903-01, 1R03AI109460-01A1, 5T32GM008306-227 REVISED, QB859730, 000507395-001, 000510923-001, 00050377-1, WU-14-149-MOD-3, WU-16-16 PO#2928045A, WU-14-358-MOD1, 1R01GM112188-01A1, 320502
<b>Federal award years</b>	7/1/16 – 6/30/17

**Condition Found**

Saint Louis University (the University) did not have effective internal controls in place to accurately report Federal expenditures on the Schedule of Federal Awards (SEFA) under the Research and Development Cluster (R&D), specifically the Allergy and Infection Diseases Research, Mental Health Research Grants, Musculoskeletal and Skin Diseases Research, Cancer Cause and Prevention Research, Diabetes, Digestive, and Kidney Diseases Extramural Research, and Biological Sciences programs. Specifically, the supervisory review was not at an appropriate level of precision to identify misclassifications.

**SAINT LOUIS UNIVERSITY**  
Schedule of Findings and Questioned Costs  
Year ended June 30, 2017

Federal expenditures reported on the initial draft of the SEFA did not agree to the University's financial records. Certain grants related to the R&D cluster were misclassified. Specifically, we noted the following differences for the year ended June 30, 2017, which were corrected by management on the final SEFA:

<u>Program</u>	<u>CFDA No.</u>	<u>R&amp;D Amounts previously reported</u>	<u>R&amp;D Actual amount</u>	<u>Overstatement/ (understatement)</u>
St. Louis Public Schools Foundation	84.215	\$ 45,413	\$ —	\$ 45,413
Public Health Traineeships for Maternal Child Health	93.964	3,321	—	3,321
Missouri Department of Health & Senior Services	93.994	3,291	—	3,291
2016 Plant Cell Dynamics Meeting Nanoscale Imaging to Quantitative Phenomics	47.074	—	11,317	(11,317)
REV-ERB ligands for treatment of anxiety disorders	93.242	—	466,263	(466,263)
Human HDAC3: Mechanism of activation and proteasomal degradation	93.393	—	51,261	(51,261)
A negative feedback loop between Osteoclasts and CD8 T-cells	93.846	—	303,948	(303,948)
Melanocortin-3 Receptor Regulation of Physical Activity and Metabolism	93.847	—	33,941	(33,941)
Aspartic Protease Inhibitors as Novel Antimalarials	93.855	—	66	(66)
Functions in Hopx in Immune Tolerance in a Model of Multiple Sclerosis	93.855	—	420,054	(420,054)
Hepatitis B Virus Diversity and Ribonuclease H Inhibitor E cacy	93.855	—	7,613	(7,613)
Pharmacological Sciences Training Grant	93.859	—	139,832	(139,832)
University of Kansas Medical Center	93.103	—	12,709	(12,709)
Board of Trustees for the University of Alabama	93.113	—	156,728	(156,728)
Board of Trustees for the University of Alabama	93.113	—	93,082	(93,082)
Curators of the University of Missouri	93.243	—	89,822	(89,822)

**SAINT LOUIS UNIVERSITY**  
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<u>Program</u>	<u>CFDA No.</u>	<u>Amounts reported</u>	<u>Actual amount</u>	<u>Overstatement/ (understatement)</u>
Washington University	93.273	\$ —	\$ 76,481	\$ (76,481)
Washington University	93.350	—	(705)	705
Washington University	93.855	—	11,659	(11,659)
Division of General Medical DNA Polymerase Technology Inc	93.859	—	253,467	(253,467)
	93.859	—	35,307	(35,307)
Total		\$ <u>52,025</u>	\$ <u>2,162,845</u>	\$ <u>(2,110,820)</u>

**Criteria or Requirement**

According to 2 CFR 200.510(b), a recipient of federal awards is required to prepare a SEFA for the period covered by the entity's financial statements which must include the total Federal awards expended. At a minimum, the schedule must include (1) a list of individual Federal programs by Federal agency. For Federal programs included in a cluster of programs, list individual Federal programs within a cluster of programs; (2) for Federal awards received as a subrecipient, the name of the pass-through entity and identifying number assigned by the pass-through entity shall be included; (3) provide total Federal awards expended for each individual Federal program and the CFDA number or other identifying number when the CFDA information is not available; (4) include total amount provided to subrecipients for each Federal Program; and (5) includes notes that describe the significant accounting policies used in preparing the SEFA.

In addition, 2 CFR 200.303 requires nonfederal entities to, among other things, establish and maintain effective internal control over the Federal awards that provides reasonable assurance that the non-Federal entity is managing the Federal awards in compliance with Federal statutes, regulations, and the terms and conditions of the Federal awards. Effective internal controls should include procedures to ensure expenditures and amounts passed through to subrecipients are properly reported on the SEFA.

**Cause**

In discussing the condition with University management, they stated that the initial errors in the Federal expenditures reported on the SEFA were due to oversight and misunderstanding of what was required to be reported.

**Possible Asserted Effect**

Failure to accurately report federal expenditures prohibits the completion of an audit in accordance with the Uniform Guidance, which may result in the suspension of Federal funding. Additionally, the completeness and accuracy of the SEFA is critical in reporting the proper amount of Federal expenditures during a fiscal year.

**Questioned Costs**

None

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**Repeat Finding**

Yes

**Statistical Sampling**

The sample was not intended to be, and was not, a statistically valid sample.

**Recommendation**

We recommend the University review its current internal control procedures to ensure the SEFA is accurately prepared and reflects the Federal expenditures relating to the correct accounting/fiscal period.

**Views of University Management**

The University concurs with the recommendation and will develop procedures to accurately report Federal expenditures on the SEFA in the current accounting period and ensure amounts are supported by financial activity in the general ledger. Accounting personnel have been trained and instructed in modified procedures to properly record Federal expenditures.

**Views of University Management**

The University concurs with the recommendation and will develop procedures to accurately review Title IV Aid calculations.



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**Finding 2017-002 – Equipment & Real Property Management**

<b>Federal agency</b>	U.S. Department of Health and Human Services and National Science Foundation
<b>Program name</b>	Research and Development Cluster
<b>CFDA No</b>	93.855, 93.242, 93.846, 93.393, 93.847, and 47.074
<b>Award numbers</b>	1R01AI106498-09, 1R01AI113903-01, 1R03AI109460-01A1, 7R01MH093429-03, 1R01AR0642821-01A1, 1R21CA178513-01A1, 7R01DK073189-09, and 1640932
<b>Federal award years</b>	2016-2017

**Condition Found**

One equipment asset (valued at \$65,560) out of the 25 assets selected for physical observation was no longer in the possession of the University at the date of our testing (February 19, 2018). Total equipment assets held by the University-sponsored programs was approximately \$6 million at June 30, 2017.

**Criteria or Requirement**

2 CFR section 200.313 requires that property records must be maintained which include a description of the property, a serial number or other identification number, the source of funding for the property, who holds title, the acquisition date, and cost of the property, percentage of Federal participation in the project costs for the Federal award under which the property was acquired the location, use and condition of the property, and any ultimate disposition data including the date of disposal and sale price of the property. A physical inventory of the property must be taken and the results reconcile with the property records at least once every two years.

In addition, 2 CFR 200.303 requires non-federal entities to among other things establish and maintain effective internal control over the federal award that provides reasonable assurance that the non-federal entity is managing the federal award in compliance with federal statutes, regulations, and the terms and conditions of the federal awards. Effective internal controls should include establishing and maintaining adequate controls over equipment inventory.

**Cause**

The University performs annual physical inventory procedures. However, the inventory internal control procedures failed to detect a missing asset. This selected item was not noted during the University's verification process that it was no longer part of the University's equipment. The item selected for testwork was removed from University's property by a principal investigator that left the University during 2014.

**SAINT LOUIS UNIVERSITY**  
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**Possible Asserted Effect**

Failure to report dispositions of equipment to the U.S. Department of Health and Human Services and National Science Foundation could result in inaccurate property and equipment records.

**Questioned Costs**

None

**Repeat Finding**

No

**Statistical Sampling**

The sample was not intended to be, and was not, a statistically valid sample.

**Recommendation**

We recommend the University establish procedures to timely report dispositions of assets to the Federal Government.

**Views of University Management**

The University concurs with the recommendation and will develop procedures to report dispositions of assets to the Federal Government.