

Report on Compliance with Requirements Applicable to Each Major Program and
on Internal Control Over Compliance in Accordance with OMB Circular A-133

To the Board of Trustees
University of Toledo

Compliance

We have audited the compliance of the University of Toledo with the types of compliance requirements described in the U.S. Office of Management and Budget (OMB) Circular A-133 Compliance Supplement that are applicable to each of its major federal programs for the year ended June 30, 2010. The major federal programs of the University of Toledo are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs. Compliance with the requirements of laws, regulations, contracts, and grants applicable to each of its major federal programs is the responsibility of the University of Toledo's management. Our responsibility is to express an opinion on the University of Toledo's compliance based on our audit.

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 OMB Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*. Those standards and OMB Circular A-133 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 of Toledo'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. Our audit does not provide a legal determination on the University of Toledo's compliance with those requirements.

In our opinion, the University of Toledo complied, in all material respects, with the requirements referred to above that are applicable to each of its major federal programs for the year ended June 30, 2010.

To the Board of Trustees
University of Toledo

Internal Control Over Compliance

The management of the University of Toledo is responsible for establishing and maintaining effective internal control over compliance with requirements of laws, regulations, contracts, and grants applicable to federal programs. In planning and performing our audit, we considered the University of Toledo's internal control over compliance with requirements that could have a direct and material effect on a major federal program in order to determine our auditing procedures for the purpose of expressing our opinion on compliance and to test and report on internal control over compliance in accordance with OMB Circular A-133, 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 entity'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.

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 deficiencies, significant deficiencies or material weaknesses. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above.

This report is intended solely for the information and use of management, the board of trustees, others within the entity, federal awarding agencies, and pass-through entities and is not intended to be and should not be used by anyone other than these specified parties.

Plante & Moran, PLLC

October 15, 2010

University of Toledo

Schedule of Expenditures of Federal Awards Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
STUDENT FINANCIAL AID CLUSTER			
Federal Teach Grant	84.379	P375A090350	\$ 305,646
USDOED JLD 2007	84.003	P033A083381	(39)
Federal Workstudy	84.003	P033A093381	986,715
JLD	84.003	P033A093381	42,570
JLD FY 2009	84.003	P033A093381	38
Smart Grant	84.376	P376S080350	315,848
Scholarships for Disadvantaged Students	93.925	TO8HP09428	22,000
Smart Grant Federal	84.376	P376S090350	368,688
Academic Competiveness	84.375	P375A090350	294,661
Academic Competiveness	84.375	P375A080350	925,214
FSEOG	84.007	P007A093381	793,366
PELL Grant	84.063	P063P090350	25,768,990
ARRA: Federal Work Study	84.003	P033A093381	407,085
TOTAL STUDENT FINANCIAL AID CLUSTER			30,230,782

RESEARCH AND DEVELOPMENT CLUSTER

Department of Agriculture

Biomonitoring of Nutritional and Environmental Stress in Plants	10.001	58-3607-9-741	84,610
Support of Agricultural Research of Mutual Interest	10.001	58-3067-7-111	1,479
Support of Agricultural Research of Mutual Interest	10.001		2,605
Support of Agricultural Research of Mutual Interest	10.001	58-3607-0-111	8,934
USDA SCA environmental Effects of Virus Infection on Bedding Plants	10.001	58-3607-7-611	170,094
Fate of Agrochemicals in the Greenhouse	10.001	58-3607-5-147	13,690
Biomonitoring of Nutritional and Environmental Stress in Plants	10.001	58-3607-4-119	(43,880)
Building a Water-Holding Gel for Horticultural Applications	10.001	58-3607-8-716	79,813
Determine Natural Product Induction in Legumes and the Pharmacologic Consequences in Human Model Systems	10.001	58-6435-3-073 02	(21,289)
Determine Natural Product Induction in Legumes and the Pharmacologic Consequences in Human Model Systems	10.001	58-6435-8-323	334,106
Monitoring Agricultural Sewage Sludge	10.200	2006-38898-03485	263,952
Monitoring Agricultural Sewage Sludge Application, OH	10.200	2004-38898-02140	(100,845)
Phytoremediation Plant Research	10.200	2003-38894-02032	20
Dietary and Genetic Risk Factors in Obesity and Diabetes	10.200	2005-38903-02315	14,581
Genetic Detection and Geographic Analysis of Great Lakes Fish Infection by Viral Hemorrhagic Septicemia - Part 2	10.200	2009-38927-20043	54,478
Lake Erie Wetlands and Shoreline Restoration: MBSP Phytoremediation	10.200	2009-3889-20171	109,053
Monitoring Agricultural Sewage Sludge, 2009	10.200	2009-38898-20002	167,279
Phytoremediation Plant Research	10.200	2005-38894-02307	(39,015)

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Department of Agriculture - continued:			
Monitoring Agricultural Sewage Sludge	10.200	2005-38898-03269	145,810
Investigating Potential Human Health Impacts of Sewage Sludge Applied to Agricultural Fields	10.200	2008-38898-19239	375,607
Plant Phytoremediation Research	10.200	2006-38894-03732	360,489
Phytoremediation Plant Research, OH	10.200	2008-38894-19277	168,670
Dietary and Genetic Risk Factors in Obesity and Diabetes	10.200	2010-38903-20740	7,497
Dietary and Genetic Risk Factors in Obesity and Diabetes	10.200		44,055
Dietary and Genetic Risk Factors in Obesity and Diabetes	10.200	2009-38903-19826	314,737
Genetic Detection and Geographic Analysis of Great Lakes Fish Infection by Viral Hemorrhagic Septicemia	10.200	2008-38927-19156	108,755
Interacting Microbial x Chemical x Nitrogen Controls on Litter-to-Human Transformation	10.206	2005-35107-16281	2,581
Evaluating the Economic Costs and Benefits of Slowing the Spread of the Emerald Ash Borer in Ohio and Michigan	10.250	58-7000-6-0080	8,984
Maumee River Watershed GIS and Remote Sensing	10.921		45,647
Using Radar Interferometry to Investigate the Rates of Subsidence in the Nile Delta	10.961	58-314-8-106	3,828
Pass Through Center for Innovative Food Technology: Biodiesel from Algae: A Pilot Study on the Feasibility of Lake Erie Algae	10.500		1,036
Pass Through Maumee Valley Resource Conservation & Development: Lake Erie Algae Study	10.903		10,432
Pass Through Ohio State University: Dietary Intervention	10.200		(5,505)
Pass Through Ohio State University: Enhancing the Economic Competitiveness of Ohio's Greenhouse Industry	10.200	RF01037938	992
Pass Through Ohio State University Research Foundation: Monitoring Agricultural Sewer Sludge	10.200		43,666
Pass Through Ohio State University Research Foundation: Phytoremediation	10.200		54
Pass Through Ohio State University Research Foundation: Greenhouse Nurseries	10.200	Project No. 60009794	56,593
Pass Through Ohio State University Research Foundation: Greenhouse Nurseries	10.200	2008-03852	243,247
Pass Through Ohio State University Research Foundation: Greenhouse Nurseries	10.200	60024441	159,130
Pass Through Ohio State University Research Foundation: Greenhouse Nurseries	10.203		7,840
Pass Through Suginit Systems, Inc.: Development of Co-immobilized Enzyme Pellets to Replace GMOs for Cellulosic Ethanol	10.212		16,481
Pass Through University of Toledo, Main Campus: Monitoring Agricultural Sewage Sludge	10.200		74,461
Pass Through University of Wisconsin-Milwaukee: USDA/ARS VHS Research	10.001	58-3655-9-748 A01	59,296
U.S. Forest Service: Coupling the Effects of Management and Climate on Carbon and Water Fluxes in the Forests of Eastern U.S. and P.R.C.	10.652	SRS 04-CA-11330147-0	(1,054)
Total Department of Agriculture			3,352,994

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Department of Commerce			
Pass Through Xunlight Corporation: Ultrahigh Rate Fabrication of Thin-Film Silicon Solar Cells Using Roll-to-roll Hybrid CVD Technologies with RTSE Monitoring and Control	11.612	7QNANB7H7017	97,786
National Oceanic and Atmospheric Administration; Pass Through Ohio State University Research Foundation; Assessing the Role of Turbid River Plumes in the Development of Microcystis Blooms in Lake Erie with Molecular Techniques	11.417	60013420	13,505
National Oceanic and Atmospheric Administration: Effects of Bayshore Powerplant on Ecosystem Function in Maumee Bay, western Lake Erie	11.417	NA09OAR4170182	145,065
National Oceanic and Atmospheric Administration; Pass Through Ohio State University Research Foundation; Temporal and Spatial Analyses of Walleye and Yellow Perch Genetic Stock Structure: A High-Resolution Data Base for Fishery Management (Part II)	11.417	NA06OAR4170020	29,239
National Oceanic and Atmospheric Administration; Pass Through University of Michigan; What are the Causes, Consequences and Correctives of Fish Contamination in the Detroit River AOC that Cause Health Consumption Advisories?	11.417		27,264
Total Department of Commerce			312,859
Department of Defense			
Novel Sensors for Chemical and Bio-Defense	12.910	HR0011-07-I-0003	487
Defense Advanced Research Projects Agency; Pass Through Innovative Technology Applications Company, LLC; Novel Methods for Sensor Quieting in Turbulent Flows	12.910	N10PC20088	17,430
Pass Through Advanced Technology Institute: Forging Advanced Systems & Technologies Program	12.910	SP4701-08-C-0003	168,441
Pass Through Prohydro, Inc.: An Assessment of Aquifer/Well Flow Dynamics: Identification of Parameters Key to Passive Sampling and Application of Downhole Sensor Technologies	12.000		44,648
Air Force Research Lab-Kirkland: Rapidly Deployable Solar Electricity and Fuel Sources	12.000		1,477,356
U.S. Army Corps of Engineers; Pass Through Marshall University Research Corporation; Develop New Process for Collecting Information on Piers, Wharves, Docks and Facilities	12.100		63,698
U.S. Army/Battelle ARO; Pass Through University of Cincinnati; Remote Sensing of Submerged Algae Beds	12.100		49,971
U.S. Army Corps of Engineers: 2008 Great Lake Navigation System: Transportation Rate Update for Great Lakes Waterway Movement	12.107	2009-081/209102	47,623
Passthrough Teledyne Continental Motors: Small Turbine Institute	12.118	P06-01599	14,361
U.S. Army Medical Research and Material Command; Pass Through Van Andel Research Institute; Diaphanous-Related Formins in Ovarian Cancer Metastasis	12.420	AA-18-40144-1	50,216
U.S. Army Medical Research and Material Command: Functional Analysis of the Beclin-1 Tumor Suppressor Interaction with hVps34 (Type-III PI 3'-Kinase) in Breast Cancer Cells	12.420	W81XWH-04-I-0493	(4,779)
U.S. Army Medical Research and Material Command; Pass Through University Hospitals of Cleveland; Risk and Resilience Factors for Combat-Related Posttraumatic Psychopathology and Post Combat Adjustment	12.420	W81XWH-07-I-0409	396,748
Army Research Office; Pass Through Southwest Research Institute; Hybrid Hydraulic Comp Test and Ctrl Meth. Dvlp.	12.910	B99028X	36,339
Army Research Office; Pass Through Southwest Research Institute; Support of Military Hydraulic Hybrid Vehicle Analysis and Design Activities	12.910	DAAE7-99-L053	515,697

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Department of Defense - continued:			
U.S. Department of the Navy; Pass Through Orbital Research Inc.; Aerodynamic Maneuvering and Control Actuation System for a Guided Destructive Expendable	12.300		10,933
U.S. Naval Oceanographic Office: A Lithium Ion Battery Management System for Autonomous Undersea Vehicles	12.300	N62306-06-P-7035	11,988
Office of Naval Research; Pass Through Orbital Research Inc.; Actuator Integrated Missile Steering System (AIMSS) For Supersonic Missiles	12.300		42,540
U.S. Department of the Navy: Enhancement for an AUV Battery Management System	12.300	N65236-08-P-2970	30,977
U.S. Department of the Navy: Enhancement for an AUV Battery Management System	12.300	N65236-08-P-3309	4,963
Office of Naval Research; Pass Through AHL-Tech Inc.; Hydraulic Locomotive	12.300		8,867
Office of Naval Research: Intermolecular Interactions in Energetic Materials	12.300	N00014-08-M-0357	11,331
U.S. Department of the Navy; Pass Through Orbital Research Inc.; Plasma On-Demand (POD) Flow Control for Rotocraft Drag Reduction	12.300	N00014-09-M-0467	15,278
U.S. Naval Oceanographic Office: A Lithium Ion Battery Management System for Autonomous Undersea Vehicles (Supplement #1)	12.300	N62306-07-P-9005	0
U.S. Department of the Army; Pass Through Orbital Research Inc.; Low-Cost Miniature Control Actuation System (MCAS) for Gun-Fired Munitions	12.431	W15QKN-08-C-0012	106,228
U.S. Department of the Army: Development of Clean Sources of Hydrogen for Fuel Cells	12.431	W909MY-06-C-0048	(7,068)
U.S. Department of the Army; Pass Through SkySentry LLC; Stratospheric Power System Development	12.431		74,180
Air Force Research Lab-Kirkland; Pass Through Ascent Solar; CdSe Top Cells Enabling CdSe/CIGS Tandem Junction Photovoltaics	12.800		87,183
Air Force Research Lab-Kirkland: Fast Fourier Transform FPGA/ASIC Architecture Simulator/Generator	12.800	RY1-UT-09-1	56,688
Air Force Research Lab-Kirkland; Pass Through Center for Innovative Food Technology; Processing of Algal Feedstocks for Fuels	12.800		76,818
Air Force Research Lab-Kirkland: Rapidly Deployable Solar Electricity and Fuel Sources	12.800	FA9453-08-C-0172	1,091,029
Department of Airforce and Material Command; Pass Through Advanced Virtual Engine Test Cell, Inc.; Zooming Methodologies for Gas Turbine Engine Simulations	12.800	AV07-U-001	(110,238)

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Department of Defense - continued:			
Department of Airforce and Material Command; Pass Through Advanced Virtual Engine Test Cell, Inc.; Advanced Design Techniques for MDAO of Turbomachinery with Emphasis on Component Optimization for the Engine System	12.800	FA9550-07-1-0259	70,741
Department of Airforce and Material Command; Pass Through Bell Helicopter; Physics-Based Analytical Tools for Anhedral Tip Design	12.800		23,376
Department of Airforce and Material Command; Pass Through Teledyne;	12.800	TSI 2276-08077991	(75)
U.S. Department of Airforce Material Command; Pass Through Teledyne; VTOL UAV NPSS Model Updates for Lift to Cruise Transition Power Split Study	12.800		8,778
Wright-Patterson Air Force Base; Pass Through Center for Innovative Food Technology; Renewable Hydrocarbon Fuels from Algae	12.800		70,024
Wright-Patterson Air Force Base; Pass Through Center for Innovative Food Technology; Biofuels from Algae	12.800		119,497
Total Department of Defense			4,682,274
Department of the Interior			
Desalination Pretreatment Using Controlled-Chain PEGMA-Enhanced Cellulose Acetate Ultrafiltration Membranes	15.506		(14,809)
Bureau of Land Management; PZP Immunocontraception in Free-Roaming Feral Horses	15.229	FAA040011	362,828
National Park Service; Geomorphic and Hydrogeomorphic Maps for Assateague Island National Seashore	15.915	PZP Immunocontraception in Free-R	11,601
U.S. Geological Survey; Pass Through Ohio State University; Quantitative Analysis to Monitor the Role of Biofilm Biopolymers Against Disinfectants in Water Distribution Systems	15.805	60021020	25,720
U.S. Geological Survey; Pass Through Ohio State University Research Foundation; Sustainability Analysis of the Water Infrastructure in Ohio	15.805	60012688	21,996
U.S. Geological Survey; Pass Through Ohio State University Research Foundation; State-of-the-Art Membrane Characterization Toward Bio-Fouling Prediction and Improved Membrane Performance	15.805		5,226
Total Department of Interior			412,562

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Department of Justice			
Increase Effective Services for Child Victims of Commercial Sexual Exploitation	16.556	2008-DD-BX-0266	209,168
Pass Through Ohio Criminal Justice System: Batterer Intervention Research	16.738	2006-JG-EOV-6465	9,112
Total Department of Justice			218,280
Department of Transportation			
Developing a Global Supply Chain Management/Transportation System Efficiency Graduate Degree Program	20.704		2
Transportation for Economic Security and Development	20.760	UTUTC-IU-18	437,061
Pass Through Michigan-Ohio University Transportation Center: Advanced Road Scene Image Segmentation and Pavement Evaluation Using Neural Networks	20.701		12,992
Pass Through Michigan-Ohio University Transportation Center: Characterization and Speciation of Fine Particulate Matter inside the Public Transport Buses Running on Bio-Diesel	20.701	AF 21	13,399
Pass Through Michigan-Ohio University Transportation Center: Improving the Energy Density of Hydraulic Hybrid Vehicles (HHVs) and Evaluating Plug-in HHVs	20.701		10,747
Pass Through Michigan-Ohio University Transportation Center: Improving the Energy Density of Hydraulic Hybrid Vehicles (HHVs) and Evaluating Plug-in HHVs	20.701		21,213
Pass Through Michigan-Ohio University Transportation Center: Transportation Informatics: Advanced Image Processing Techniques for Automated Pavement Distress Evaluation	20.701	TS18p2	6,583
Pass Through Ohio Department of Transportation: Cost Benefit Models to Support PMS Decisions	20.205	21729	83,442
Pass Through Ohio Department of Transportation: Veteran's Glass City Skyway Solar Array Performance Evaluation	20.205	23339	44,837
Pass Through Ohio Department of Transportation: Veteran's Glass City Skyway Solar Array Performance Evaluation	20.205	23339	335,069
Pass Through Toledo Area Regional Transportation Authority: Biodiesel Study	20.505		163,313
Pass Through University of Cincinnati: Instrumentation of the Maumee River Crossing	20.205	20359 B	18,631
Pass Through University of Toledo-University Transportation Center: Magnetic Sensor for Nondestructive Evaluation of Deteriorated Prestressing Strand	20.000	UTUTC-IU-12	51,346

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Department of Transportation - continued:			
Pass Through University of Toledo-University Transportation Center: Reducing Noise and Vibration of Hydraulic Hybrid and Plug-In Hybrid Electric Vehicles	20.701	UTUTC-AE-2	44,456
Pass Through University of Wisconsin: Analyzing Regional Freight Information Resources	20.000	995B772	53,907
Pass Through University of Wisconsin: Supply Chain Case Study Automotive Supply Chain	20.701	160K086	20,519
Pass Through University of Wisconsin: Expanding Regional Freight Information Resources For The Upper Midwest: The Great Lakes Maritime Information Delivery System Phase III	20.801	DTMAIG06005	(46,420)
Pass Through University of Wisconsin: Expanding Regional Freight Information Resources For The Upper Midwest Phase IV	20.931	DTMAIG06005	79,791
Pass Through University of Wisconsin-Superior: Develop New Process for Collecting Information on Piers, Wharves, Docks and Facilities	20.806	DTMAIH08007	66,257
Total Department of Transportation			1,417,145
National Aeronautical Space Administration			
Pass Through Ohio Space Institute: Ohio Space Grant Consortium (OSGC) Scholarships and Fellowships for Fellowships for 2006-2007 to University of Toledo	43.002		26,454
Jet Propulsion Laboratory; Pass Through Jet Propulsion Laboratory; PAHs, Interacting Galaxies, Nearby AGN, and Massive Stars	43.002	1332056	88,516
Jet Propulsion Laboratory; Pass Through Jet Propulsion Laboratory; Herschel Orion Protostar Survey (HOPS)	43.002		83,274
Jet Propulsion Laboratory; Pass Through Jet Propulsion Laboratory; Key Insights on Nearby Galaxies: A Far-Infrared Survey with Herschel	43.002	1372803	42,562
Jet Propulsion Laboratory; Pass Through Jet Propulsion Laboratory; Evolution of Infall and Envelope-disk Accretion in Proostars	43.002		30,116
Jet Propulsion Laboratory; Pass Through Jet Propulsion Laboratory; Dust Formation of Near Hot Non-Supergiant Stars	43.002		3,001
Jet Propulsion Laboratory; Pass Through Jet Propulsion Laboratory; An IRS Survey Of Spitzer Identified Protostars In The Orion A Cloud	43.002	1289605	41,125
NASA Goddard Space Flight Center: Effects of Land Use Change on the Energy and Water Balance of the Semi-Arid Region of Inner Mongolia	43.002	NNG06GA70G	5,836
NASA Goddard Space Flight Center: Massive Stars with Dusty Disks: A FUSE Survey of the Most Metal-Poor B[e] Supergiants	43.002	NNX07AU47G	3,559
NASA Goddard Space Flight Center: Oscillator Strengths for Ultraviolet Atomic and Molecular Transitions	43.002	NNG06GC70G	4,635
NASA Goddard Space Flight Center: The Transition from Diffuse Molecular Clouds to Dark Clouds Through Ultraviolet CO Measurements	43.002	NNX10AD80G	8,807
NASA Goddard Space Flight Center: Effects of Land Use Change on the Energy and Water Balance of the Semi-Arid Region of Inner Mongolia	43.002	NNG06GA70G	23,648

University of Toledo

Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Department of National Aeronautical Space Administration - continued:			
NASA John H. Glenn Research Center at Lewis Field: Development and Investigation of Multiple Phenomena in Turbomachinery and Propeller Aeroelasticity	43.002	NNC05AA18A	1,242
NASA John H. Glenn Research Center at Lewis Field: Evaluation of Several Space Lubricants Using the Spiral Orbit Tribometer	43.002	NNC05AA45A	1,329
NASA John H. Glenn Research Center at Lewis Field: Technology Validation and Risk Reduction Research for Flywheel Technology	43.002	NCC05AA57A	1,363
NASA John H. Glenn Research Center at Lewis Field: Damping Concepts for Rotating Blades and Rotordynamic Analysis	43.002	NNC06AA04A	1,464
NASA John H. Glenn Research Center at Lewis Field: Validation, Enhancement, and Application of Computational Models for Comprehensive Combustion Simulations	43.002	NNC06AA06A	1,540
NASA John H. Glenn Research Center at Lewis Field: Investigation of a Heavy Loaded Bearing for Aero Application	43.002	NCC3-924	1,540
NASA John H. Glenn Research Center at Lewis Field: Research in Controls for Flywheel Technology Applications	43.002	NNC05AA12A	1,702
NASA John H. Glenn Research Center at Lewis Field: Extended Durability of Materials in Advanced Power Systems for Space Explorations	43.002	NNC05AA42A	1,914
NASA John H. Glenn Research Center at Lewis Field: Particulates Measurements and Measurement-System Development for Aircraft Engines	43.002	NNC05AA09A	1,928
NASA John H. Glenn Research Center at Lewis Field: Development of Fuel Cell/Reformers Technology	43.002	NNC04AA67A	1,972
NASA John H. Glenn Research Center at Lewis Field: Computed Tomography and Digital Radiography Based Research for Aerospace Materials	43.002	NNC04AA53A	2,167
NASA John H. Glenn Research Center at Lewis Field: CFD Simulations of Turbomachinery	43.002	NNC05GA69G	2,264
NASA John H. Glenn Research Center at Lewis Field: Component Development for Structural Seals	43.002	NNC05AA21A	2,300
NASA John H. Glenn Research Center at Lewis Field: Life Prediction Modeling and Structural Analysis of Ceramic Matrix Composite Materials	43.002	NNC05AA08A	2,431
NASA John H. Glenn Research Center at Lewis Field: Improved Modeling for Turbine Cooling Analysis	43.002	NNC05AA48A	2,549
NASA John H. Glenn Research Center at Lewis Field: Extreme Temperature Magnetic Bearings	43.002	NNC04AA24A	2,766
NASA John H. Glenn Research Center at Lewis Field: Experimental Studies of Traction Drives, Magnetic Bearings, and Mechanical backup Bearings for Space Applications	43.002	NNC05AA51A	263
NASA John H. Glenn Research Center at Lewis Field: Development and Investigation of Multiple Phenomena in Turbomachinery and Propeller Aeroelasticity	43.002	NNC05GA52G	902
NASA John H. Glenn Research Center at Lewis Field: NASA-GRC Solid Oxide Fuel Cell Technology for Aeronautic Applications	43.002	NNC05AA10A	4,791
NASA John H. Glenn Research Center at Lewis Field: Keith NASA Wage Account	43.002		63,332

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Department of National Aeronautical Space Administration - continued:			
NASA John H. Glenn Research Center at Lewis Field: Smart Damping for Turbomachinery Blades	43.002	NNC07TA60T	86,436
NASA John H. Glenn Research Center at Lewis Field: Development of Computed Tomography and Digital Radiography for Aerospace Materials and Facilities Operations	43.002	NNC07TA68T	128,306
NASA John H. Glenn Research Center at Lewis Field: Development of Life Prediction and Probabilistic Analysis Tools for High Temperature Composites	43.002	NNC07TA69T	179,525
NASA John H. Glenn Research Center at Lewis Field: Advanced Wave Fluid Film Bearing Technology for Geared Transmission Systems	43.002	NNC07TA70T	184,217
NASA John H. Glenn Research Center at Lewis Field: Extended Durability of Materials in Advanced Propulsion and Power Systems for Aeronautic and Space Exploration	43.002	NNC007TA62T	202,882
NASA John H. Glenn Research Center at Lewis Field: Development of Advanced Computational Tools for the Simulation of Multistage Turbomachinery in Support of Aero propulsion	43.002	NNC07T61T	204,029
NASA John H. Glenn Research Center at Lewis Field: Turbomachinery Aeroelastic Analysis Tools for Aerospace Propulsion Application	43.002	NNC07TA64T	205,373
NASA John H. Glenn Research Center at Lewis Field: Unsteady CFD Simulations	43.002	NNC07TA66T	221,753
NASA John H. Glenn Research Center at Lewis Field: Microstructural Analysis and Structure-Property Correlation in Advanced High-Temperature Materials Developed for Improved Material Performance	43.002	NNC07TA63T	236,170
NASA John H. Glenn Research Center at Lewis Field: A Workplan for Testing Aerospace Components and Advanced Materials	43.002	NNC07TA67T	237,599
NASA John H. Glenn Research Center at Lewis Field: NASA-GRC Solid Oxide Fuel Cell Technology for High Power Density Aeronautic and Applications	43.002	NNC07TA65T	411,663
NASA John H. Glenn Research Center at Lewis Field: Ohio Photovoltaic Materials and Module Test Facility	43.002	NNX08AP18G	575,921
NASA John H. Glenn Research Center at Lewis Field; Pass Through Analex Corporation; EHL Film Thickness Measurements and Fixture Design	43.002	AS 2781	408
NASA John H. Glenn Research Center at Lewis Field; Pass Through Analex Corporation; Orion Electrical Power System Development Testing	43.002		2,965

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Department of National Aeronautical Space Administration - continued:			
NASA John H. Glenn Research Center at Lewis Field; Pass Through Analex Corporation; Tribological Investigations Involving Mechanical and Thermomechanical Systems	43.002		5,735
NASA John H. Glenn Research Center at Lewis Field; Pass Through Analex Corporation; Tribological Investigations Involving Mechanical and Thermomechanical Systems	43.002		6,782
NASA John H. Glenn Research Center at Lewis Field; Pass Through Analex Corporation; Tribological Investigations Involving Mechanical and Thermomechanical Systems	43.002		8,571
NASA John H. Glenn Research Center at Lewis Field; Pass Through Analex Corporation; Tribological Investigations Involving Mechanical and Thermomechanical Systems	43.002	TS-2014	27,343
NASA John H. Glenn Research Center at Lewis Field; Pass Through ASRC Aerospace Corporation; Turbomachinery Computational AeroAcoustics (CAA)	43.002	AS3458	131,937
NASA John H. Glenn Research Center at Lewis Field; Pass Through Ohio Space Institute; Study of Reaction Chemistry and Thermophysics on Hypersonic Reacting Flows	43.002	NNC08-TA48T	85,924
NASA John H. Glenn Research Center at Lewis Field; Pass Through QinetiQ North America Operation, LLC; Tribological Investigations Involving Mechanical and Thermomechanical Systems	43.002		119
NASA John H. Glenn Research Center at Lewis Field; Pass Through University of Akron; Advanced Aerospace Seals Research	43.002	NNC08CA35C	291,027
NASA Marshall Space Flight Center; Pass Through Smithsonian Astrophysical Observatory; The Nature of Optical Counterparts to X-ray Binaries in M101	43.002	AR0-I1012X	5,700
Ohio Space Grant Consortium; Pass Through Ohio Space Grant Consortium; Enhancing Physics Education with Open-Ended Engineering Design Projects	43.002		2,095
Space Telescope Science Institute; Pass Through Space Telescope Science Institute; Anatomy of the Nuclear Starburst in M83 from Integral Field Spectroscopy	43.002	HSF-AR-10960.04A	3,591
Space Telescope Science Institute; Pass Through Space Telescope Science Institute; The Effect of Multiplicity on the Evolution of Young Stellar Objects	43.002	HST-GO-I1205.03-A	3,746
Space Telescope Science Institute; Pass Through Space Telescope Science Institute; Structural Properties of Star Clusters in M33	43.002	HST-AR-I1748.01-A	4,096
Space Telescope Science Institute; Pass Through Space Telescope Science Institute; A Database of Young Star Clusters for Five hundred Galaxies	43.001	HST-AR-I1781.02-A	4,279
Space Telescope Science Institute; Pass Through Space Telescope Science Institute; Be Stars and Circumstellar Disks in NGC 346	43.002	HST-AR-10936.01A	71
Space Telescope Science Institute; Pass Through Space Telescope Science Institute; NICMOS Imaging of Protostars in the Orion A Cloud: The Role of Environment in Star Formation	43.002	HST GO I1548.01-A	18,980
Space Telescope Science Institute; Pass Through Space Telescope Science Institute; Light Element Nucleosynthesis through Measurements of Interstellar Boron	43.002	HST-AR-I1247.01-A	22,820

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Agency	CFDA #	Agency Number	Fiscal Year 2010
Department of National Aeronautical Space Administration - continued:			
Pass Through Analex Corporation: Electrical and Mechanical Modeling of Constellation Power Systems	43.002		60,332
Pass Through California Institute of Technology Spitzer Science Center: Spitzer/IRS Spectral Mapping Support: CUBISM	43.002	NAS7-03001	25,338
Pass Through Jet Propulsion Laboratory: After the Fall: Dust and PAHs in Post-Starburst Galaxies	43.002	1315270	6,203
Pass Through Jet Propulsion Laboratory: Probing Dust Grain Emission in High Latitude Molecular Clouds	43.002		32,079
Pass Through Smithsonian Astrophysical Observatory: Evolution of Young Stars in the Large Massive Cluster Cep OB3b	43.002		20,687
Pass Through Teledyne Continental Motors: Small Turbine Institute	43.002	P06-01682 05	271,699
Pass Through University of Kentucky Research Foundation: Basic Studies for the Production and Upgrading of Fischer-Tropsch Synthesis Products to Fuels	43.002	NNX07AB93A	201,166
Jet Propulsion Laboratory; Pass Through Jet Propulsion Laboratory; SAGE Spectroscopy: The Life Cycle of Dust and Gas in the Large Magellanic Cloud	43.002	NM0710076	510
Jet Propulsion Laboratory; Pass Through Jet Propulsion Laboratory; A Spitzer Legacy Survey of the Cygnus X Complex	43.002	1315240	24,953
NASA Goddard Space Flight Center: Interactive Changes of Ecosystems and Societies on the Mongolian Plateau: From Coupled Regulations of Land Use and Changing Climate to Adaptation	43.001	NNX09AM55G	109,487
Space Telescope Science Institute; Pass Through Space Telescope Science Institute; Extending the Heritage: Clusters, Dust, and Star Formation in M51	43.002	HST-GO-10501.07-A	42,251
MRI: Acquisition of Instrumentation for Digital Imaging and Fluorescent Detection	43.002		4,555
Developing a Catalytic Aldehyde Olefination Reaction	43.002	0829263	56,175
Pass Through Jarvis Christian College: Cytosolic SULTs and Environmental Xenoestrogen Metabolism: A Zebrafish Model	43.002	0542235	11,509
Total Department of National Aeronautics and Space Administration			4,828,299

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Agency	CFDA #	Agency Number	Fiscal Year 2010
ARRA - II-New: High-Performance Scalable Computing Infrastructure	47.070	CNS-0855134	135,197
ARRA - Collaborative Research: Single Walled Nanotubes and Graphene Based Multiplexed Sensors for Hypergolic Fuel Detection	47.082	0925783	11,410
ARRA - CAREER: The Life Cycle of Star Clusters: New Windows into Star Formation and Galaxy Evolution	47.082	AST-0847467	53,315
ARRA - Theoretical and Numerical Investigation of a Unified Astrophysical Rotating Black Hole Model for Active Galactic Nuclei, Microquasars, and Gamma-Ray Bursters	47.082	AST-0909098	90,773
ARRA - Collaborative Research: The Changing Seasonality of Tundra Nutrient Cycling: Implications for Ecosystem and Arctic System Functioning	47.082	ARC-0902096	101,871
ARRA - Acquisition of a Cyber-enabled Scanning Electron Microscope	47.082	CHE-0840474	459,783
CAREER: Investigation of Intron Cellular Roles	47.000	MCB-0643542	140,717
SGER: Nanoparticles in Personal Care Products and Their Impact on Digester Energy Production	47.041	0833213	3,414
Engineering Senior Design Projects to Aid Persons with Disabilities	47.041	CBET-0931643	11,561
Shape Memory Alloy Actuated Active Ankle Foot Orthosis	47.041	CBET-0731087	11,982
Fundamental Investigation of Pulsed Laser Irradiation Metal Oxide Gas Sensor Performance	47.041	CMMI-0933069	13,719
Processing and Evaluation of HA Nanocomposites	47.041	0753479	14,496
The Role of Extracellular Polymeric Substances of Biofilm on Pathogen Disinfection in Water Distribution Systems	47.041	CBET-0933288	14,554
A Study on the Microstructure and the Properties of Zinc Nitride and Zinc-Oxy-Nitride Films and Heterostructures for Photovoltaic and Other Applications	47.041	CMMI-0928440	20,868
A Facile Pretreatment Strategy for Recovering Sugars and Lignin Effectively from a Variety of Lignocellulosic Feedstocks	47.041	CBET-0933250	21,082
Undergraduate Senior Design Projects to Aid Individuals with Disabilities	47.041	BES 0625023	24,720
A New Approach to Regenerate Bone Using Microparticles Seeded with Mesenchymal Stem Cells and Macrophages	47.041	0652024	70,665
Toward Negative Poisson's Ratio Composites - Numerical and Experimental Study	47.041	CMMI - 0728109	80,414
The Fundamental Study of UV Bonding Abrasive Tools with Application to the Semiconductor Industry	47.041	CMMI 0855769	101,159
Development of Anti-Biofouling Nanocomposite Polypropylene Fibers for Membrane Feed Spacers	47.041	CBET 0754387-03	102,581
CAREER: Micromachined Surface Conduction Tuning Gas Sensors Year 4	47.041	ECCS 0401690-010	114,802
Evaluation of Novel Bisphosphonate Containing Coated Ti Foams for Osteoporosis Treatment	47.041		181,100
Development of Silver/Copper Coated Membrane Feed Spacers for Biofouling Control	47.041	CBET 0714539	(7,444)
A Novel Approach to Antibiotic and Anti-biofouling Activities of Natural Phenols	47.041	CBET-0626022	(1,082)
Development of Bacterial-Sensing Ultrafiltration Membranes with improved Permeability, Selectivity and Fouling Control	47.041	CTS-0610624	(384)

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Agency	CFDA #	Agency Number	Fiscal Year 2010
National Science Foundation - continued:			
CAREER: Syntheses of Hyaluronan Oligosaccharides as Biological Probes	47.049	CHE-0547504	(5,914)
Semiparametric Statistical Inferences for ROC Curves and Surfaces Under Density Ratio Models	47.049	DMS-0603873	2,857
Simulating Extended Time and Length Scales Using Parallel Accelerated Dynamics	47.049	DMR-0606307	5,994
REU Site: Research Experiences for Undergraduates in Physics and Astronomy	47.049	PHY0648963	27,310
REU Site: Research Experiences for Undergraduates in Physics and Astronomy at The University of Toledo	47.049	PHY-1004649	44,304
Collaborative Research: Using Nanoscale Patterning to Reveal the Atomic-scale Effects which Drive Unstable Growth on GaAs (001)	47.049	DMR-0705464	59,471
A Research and Training Center for Astronomical Spectroscopy	47.049	AST-0440784	61,674
Quantum Theory of Two-atom, Few-atom, and Many-atom Systems	47.049	PHY-0758042	68,165
CAREER: Exploration of Negative Thermal Expansion Materials: From Basis Properties to Formation of Composites	47.049	DMR-0545517	87,913
Simulating Non-equilibrium Processes Over Extended Time and Length-scales Using Parallel Accelerated Dynamics			
Simulating Extended Time and Length Scales Using Parallel Accelerated Dynamics	47.049	DMR-0907399	88,155
CAREER: Task-specific Microextractions Using Ionic Liquids	47.049		96,655
The Smallest Interstellar Grains: Optical/Near-IR Emission from Nanoparticles	47.049	AST-0606756	107,221
Creation of Tools for the Study of Reactive Intermediates in DNA and RNA	47.049		118,722
CAREER: 3-Iminophosphine Palladium Catalysts for Atom-efficient	47.049	CHE-0841611	131,233
Planning Proposal for the Lake Erie Center	47.074	DBI-0627254	(373)
Genetic Switch Controlled by an Unusual Family of Transcription Activators	47.074	MCB-0516692	2,346
Planning Proposal for the Lake Erie Center	47.074	DBI-0627254	3,378
EAGER: MSB: Collaborative Research: Chemical and Microbial Mechanisms Linking Litter Quality and Decomposition Rate	47.074	DEB-0946257	9,225
Regulation of Type II Restriction-Modification Systems	47.074	MCB-0964728	15,674
Mechanisms Controlling the Function and Development of Neuronal Nicotinic Synapses	47.074	IOS-0951549	24,609
Collaborative Research: MSB: Microbial Control of Litter Decay at the Cellulose-Lignin Interface	47.074	DEB-0918718	30,754
CAREER: Structural Analysis of Branched DNA Recognition	47.074	MCB-0346960	43,995
Solvent Structure and Function in Macromolecular Biological Systems	47.074	MCB-0446218	103,959
International US-Turkey Cooperative Research: Seismic Retrofitting of Reinforced Concrete Structural Members by Composite Materials	47.075	OISE-0352947	(2,293)
Individual Differences in Risk Perception and Risk Taking: The Role of Handedness and Interhemispheric Interaction	47.075		46,653
CAREER: Teaching Practices That Support Fraction-Based Algorithmic Thinking	47.076	DRL-0952661	6,050
LEADERS: Leadership for Educators: Academy for Driving Economic Revitalization in Science	47.076	DUE-0927996	392,125
US. -Singapore Planning Visit	47.079	OISE - 0832894	327
Pass Through Catacel, Inc.: A Simple Desulfurizing Component Enables Fuel Processing of Sulfur-Laden Logistic Fuels for Fuel Cells	47.041		(1,313)
Pass Through Catacel, Inc.: Compact, Lightweight Flexible Fuel Reformer for Solid Oxide Fuel Cells	47.041	0548677	2,030
Pass Through Kansas State University: Parallel Data Mining for Nanoscale Kinetic Monte Carlo Simulation Model	47.070	S05041	(59,001)

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
National Science Foundation - continued:			
Pass Through National Council for Science and the Environment: Creating Learning Community for Solutions to Climate Change	47.076		26,044
Pass Through Ohio State University Research Foundation: Subcontract to "TRPGR - The Grass Regulome Initiative: Integrating Control of Gene Expression and Agronomic Traits Across the Grasses"	47.074	DBI-0701405 - 60010915	148,069
Pass Through Regents of the University of California: Microbial Winter Survival Physiology: A Driver on Microbial Community Composition and Carbon Cycling	47.078	ARC-0733074	9,707
Pass Through University of Central Florida: Parallel Data Mining for Nanoscale Kinetic Monte Carlo Simulation Model	47.070	24086072	61,645
Pass Through University of Cincinnati: A Novel Integrated Scheme for Treatment of Hydrophobic Air Contaminants	47.041	COEUS 006190	25,791
Pass Through University of Delaware: Quantifying Geologic and Temporal Controls on Water and Chemical Exchange between Groundwater and Surface Water in Coastal Estuarine Systems	47.050	0910756	5,635
ARRA - MRI: Acquisition of a Matrix-Assisted Laser Desorption/Ionization Tandem Time-of-Flight (MALDI ToF-ToF) Mass Spectrometer (MS)	47.082	DBI-0923184	265,500
Total National Science Foundation			3,825,569
U.S. Environmental Protection Agency			
Design Optimization and Control of the Hydraulic Hybrid Vehicles	66.034	XA 83276001	39,456
Lake Erie Algal Source Tracking	66.469	GL 00E75701-0	87,407
Genetics of Lake Erie Fish Stocks	66.511	CR 83281401	3,069
The University of Toledo Pollution Prevention Grant Proposal	66.708	NP-00E90201-0	4,863
University of Toledo Pollution Prevention Incentives for States Grant Proposal	66.708	NP00E00701-2	50,306
Pass Through Heidelberg College: The Honey Creek Targeted Watershed Program Proposal	66.480		18,479
Pass Through Ohio Department of Health: Radon Web Site	66.032	048400221R0108	11,092
Pass Through Ohio Department of Health: Radon Web Site	66.032	048400221R0108	18,327
Pass Through Toledo Metropolitan Area Council of Governments: Dam Removal on the Ottawa River, Lucas County, Ohio	66.456		3,049
Total U.S. Environmental Protection Agency			236,048

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Agency	CFDA #	Agency Number	Fiscal Year 2010
U.S. Department of Energy			
A Novel Simultaneous-Saccharification-Fermentation Strategy for Efficient Co-fermentation of C5 and C6 Sugars Using Native, Non-GMO Yeasts	81.087	DE-FG36-08GO18163	119,239
National Renewable Energy Laboratory; Pass Through National Renewable Energy Laboratory; Electronic and Optical Studies of Hydrogenase Single-walled Carbon Nanotube Biohybrids	81.117	ZGB-9-99318-01	92,685
High-Rate Fabrication of a-Si-Based Thin-Film Solar Cells Using Large-Area VHF PECVD Technologies	81.087		527,950
Improved CdTe PV Modules by APVD	81.122	DE-FG36-08GO18067-00	460,876
Pass Through Battelle: Chemical Separations and Process Research to Enable Biorefinery Systems	81.121	DE-AC07-051D14517	4,673
Pass Through Bowling Green State University: A Comparative Study of Advanced Concept Offshore Floating Wind Turbines	81.089	DE-FG36-06G086096	256,127
Pass Through Consortium for Plant Biotechnology Research, Inc.: An Efficient Approach for Saccharification of Cellulose from Biomass for Fuel/Chemical Production	81.087		16,295
Pass Through Midwest Optoelectronics LLC: Novel Interconnection Process for Lightweight Flexible PV Modules	81.036		39,208
Pass Through Montana State University: Extremophilic Microalgae: Advanced Lipid and Biomass Production for Biofuels and Bioproducts	81.087	G243-10-W2498	19,513
Pass Through National Renewable Energy Laboratory: Novel Nanocrystal-Based Solar Cell to Exploit Multiple Exciton Generations	81.000	DE-AC36-08GO28308	105,745
Pass Through National Renewable Energy Laboratory: Nanocrystals and Nanocrystal Films	81.087	DE AC36-08G028308	35,231
Pass Through North Dakota State University: Recrystallization of Liquid Silane Derived Films	81.000	DE-FG36-08GO88160	155,410
Pass Through Suginit Systems, Inc.: Scale-up of IL Recovery Methods	81.000		24,413
Pass Through Suginit Systems, Inc.: Commercialization of a Pre-Pretreatment Process for Enhanced Biomass Saccharification	81.036		(7,664)
Pass Through Xunlight Corporation: Critical Research for Cost-Effective Photoelectrochemical Production of Hydrogen	81.105	DE-FG36-05GO15028	59,167
National Renewable Energy Laboratory; Pass Through National Renewable Energy Laboratory; Fabrication and Physics of CdTe Devices by Sputtering	81.087	ZXL-5-44205-01	850
National Renewable Energy Laboratory; Pass Through National Renewable Energy Laboratory; Fabrication and Characterization of Advanced Triple-Junction Amorphous Silicon Partnership Program	81.087	ZXL-5-44205-06	22,608
ARRA - Direct Assessment using Cluster Eddy-Covariance Towers	81.000	109044	23,262
Total Department of Energy			1,955,588

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
U.S. Department of Education			
Maximizing the National Resource: Chinese as a Model for Heritage Language Development with Community Involvement	84.017	PO17A090314	121,982
Short-Cycle Higher Education (SCHE) in Europe and the United States: Addressing Social and Economic Needs	84.116	PI16J080023	46,228
Pass Through Bowling Green State University: Midwest Educational Research Consortium/East Toledo Gearup Initiative (Gearup II)	84.334		15,508
Pass Through MetroHealth System: Effects of Liners on the Dispersion of Backboard Interface Skin Pressures	84.133	H133N060017-08A	9,579
Pass Through Ohio Board of Regents: Using Technology to Enhance Teaching and Learning of Mathematics: Let's Be Smart	84.367	09-42	3,596
Pass Through Ohio Department of Education: The Woodward MSP Partnership	84.366	EDU01-0000005207	118,356
Pass Through Ohio State University: Print Referencing Efficiency	84.305	60014652	6,146
Pass Through Ohio State University: STAR: ECSE	84.324A	60014328	286,907
Pass Through University of Virginia: Print Referencing Efficacy	84.305	R305G050057	(6,579)
Total Department of Education			601,723
U.S. Department of Health of Human Services			
Pass Through Hospital Council of Northwest Ohio: Tabletop Exercise to Pilot-Test Transitional Medical Care	93.889		5,415
Administration for Children and Families; Pass Through Ohio Developmental Disabilities Council - Federal Pass-through; Enhancing the Job Performance of SCOUT Employees	93.630	06-2/09	1,711
National Institutes of Health: Neuroprotein Effect of Ginkgo Biloba and its Bioactive Components in Ischemia	92.213	R00 - 4R00 - AT004197-03	21,981
National Institutes of Health: Long Term Toxicity of Di- and Tri-Chloracetate	93.113	I - R15 - ES - 013706	53,657
National Institutes of Health: Hearing in Bats	93.173	R15 - DC009321-01A1	(4,617)
National Institutes of Health: Regulation of NF-kappaB Transactivation Function	93.390	GM071405-02	31,273
National Institutes of Health: Zebrafish TPSTs and Tyrosine-sulfated Proteins	93.390	R15 - GM085756	85,472
National Institutes of Health: Role of hGBP-I in the Inhibition of Cell Growth by IFNs	93.395	R15CA106380-01A1	(89)
National Institutes of Health: Role of hGBP-I in the Inhibition of Cell Growth by IFNs	93.395	R15CA106380-01A1	165
National Institutes of Health: Role of JAK2-PAK1 Interaction in Human Breast Cancer	93.395	R15 - CA - 135378-01	92,924
National Institutes of Health: Evaluation of hGBP-I as a Marker for Paclitaxel Resistance in Ovarian Cancer	93.395	R21 - CA132016-	138,865
National Institutes of Health: Dissecting the Mechanisms of Tamoxifen Action	93.395	5 - R01 - CA - 140690	199,523
National Institutes of Health: Mechanosensory Role of Endothelial Cilia in Polycystic Kidney Disease	93.837	5 - R21 - HL - 084451	(41,615)
National Institutes of Health: Inhibition of CCRI/CCR5 mediated angiogenesis and joint destruction by EGCG	93.846	5 - R03 - AR - 055741	2,349
National Institutes of Health: Role of the serine-threonine kinase PAK1 in prolactin-dependent signaling	93.847	7 R21 DK074689-03	1,241
National Institutes of Health: c-Jun and Androgen Signaling in Prostate Cancer Cells	93.847	2R15DK067059-02	60,698
National Institutes of Health: The Roles of Primary Cilia in Cardiovascular System	93.847	I - R01 - DK - 080640	221,074
National Institutes of Health: Probing the Enzymatic Basis of Canavan Disease	93.853	R01 - NS - 5 R01 NS045664-05	105,562

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
U.S. Department of Health of Human Services - Continued:			
National Institutes of Health: Goal Activation, Expectations, and Placebo Analgesia	93.853	5 - R03 - NS - 051687	(1,720)
National Institutes of Health: Nanotechnology for Amyotrophic Lateral Sclerosis	93.853	5 - R2I - NS - 066279	66,749
National Institutes of Health: Muscarinic Agonists for Neurological Disorders	93.853	5 - R0I - NS - 031173	(11,147)
National Institutes of Health: Homeostatic Regulation of GABA Synapses	93.853	IR15NS067474-01	63,938
National Institutes of Health: Development of Aspartate Pathway Inhibitors as Novel Antibiotics	93.855	IR01Ai077720-01A2	34,658
National Institutes of Health: Structure and Dynamics of MHC Bound Peptides	93.855	R15 - AI - I R15 AI068758	59,656
National Institutes of Health: Impact of the Interferon Regulated Proteins XAF1 and ZNF313 on Innate Immunity	93.855	5 - R0I - AI - 068133	230,292
National Institutes of Health: Improvement in Paired Donation Program	93.855	I - R0I - AI - 090244	1,647
National Institutes of Health: Regulation of Pharyngeal Pumping in Parasitic Nematodes	93.856	R0I - AI - 045147	253,094
National Institutes of Health: Transcriptional Repression in Response to p53	93.859	IR15GM073758-01	363
National Institutes of Health: Novel Role of Base Excision Repair and Mismatch Repair in Cisplatin Sensitivity	93.859	I - R0I - GM - 088249	14,582
National Institutes of Health: Regulation of Borealin by Mitotic Phosphorylation	93.859	R15 - GM084410-01	74,063
National Institutes of Health: Hypothalamic Leptin and Insulin Signals Aligning Metabolic State and Fertility	93.865	5 - R00 - HD - 056491	254,861
National Institutes of Health; Pass Through Cognitive Pharmaceuticals Ltd.; Development of a Selective Muscarinic Agonist for the Treatment of Schizophrenia	93.242	6 - R44 - MH - 067430	195,803
National Institutes of Health; Pass Through Palmer Chiropractic University Foundation; Vertebral Displacements and Ligament Strains During Simulated Spinal Manipulation	93.213	I - U19 - AT - 004137	20,495
National Institutes of Health; Pass Through Rush-Presbyterian-St. Luke's Medical Center; Epidemiologic Study of Brain VitaminE, Diet & Age-Related Neurologic Diseases	93.866	I - R0I - AG - 031553	98,475
National Institutes of Health; Pass Through University of Cincinnati; Determinants and Consequences of MDMA Neurotoxicity	93.279	5 - R0I - DA - 007427	41,581
National Institutes of Health; Pass Through University of Cincinnati Children's Hospital Research Foundation; Multi-faceted Approach to Modeling ACL Injury Mechanisms	93.000	PO #3100177540	416,995
Administration for Children and Families; Pass Through Administration for Children and Families; Center for Excellence in Autism	93.647	90XP0327	96,969

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Agency	CFDA #	Agency Number	Fiscal Year 2010
U.S. Department of Health of Human Services - Continued:			
National Cancer Institute: The Chemoprevention of Colon Cancer in the Rat AOM Colon Model. Tissues for Surrogate Biomarker Studies and Testing of a Proliferative Index - Work	93.000	N01 - CN - HHSN261200433000C	522
National Cancer Institute: Testing Various Chemopreventive Agents in a Rat Model of Ovarian Cancer Employing DMBA Sutures (WS #87)	93.000	N01 - CN - 25103	18,341
National Cancer Institute: Preclinical in vitro and in vivo Screening Assays - Work Assignment #1 - Contract Administration and Management	93.000	N01 - CN - HHSN261200433000C	41,003
National Cancer Institute: Preclinical In Vitro and In Vivo Screening Assays for Cancer Preventative Agent Development Work Assignment #7	93.000		45,823
National Cancer Institute: Human Melanoma: Early Biomarkers/Targets of Progression and Prevention - Work Assignment #10	93.000	N01 - CN - HHSN261200433000C	60,366
National Cancer Institute: Effect of Chemopreventive Agents on the Development of BCC and SCC in the Ptch +/- Hairless Mouse-Work Assignment #5	93.000		106,674
National Cancer Institute: Mechanism-Based In Vitro Screening of Chemopreventive Agents for the Inhibition/Reversal of the Tumorigenic Phenotype in ERa-Negative Human Mammary	93.000		112,099
National Cancer Institute: Evaluation of the Modulation on Gene Expression by Chemopreventive Agents in Human Colon Polyp Adenoma Cells Using Gene Arrays	93.000	N01 - CN - HHSN261200433000C	276,450
National Cancer Institute: Regulation of a Tumor Target through Steroid Receptors	93.393	5 - R01 - CA - 103964	95,169
National Cancer Institute: Regulation of Mismatch Repair	93.393	5 - R01 - CA - 106575	173,842
National Cancer Institute: Standardized Gene Expression Core Facility Development	93.394	5 - R24 - CA - 095806	38
National Cancer Institute: Standardized NanoArray PCR for Gene Expression Profiling of Lung Cancer	93.394		7,247
National Cancer Institute: Implementation of Innovative RNA Sample Quality Control Methods	93.394	1 - R21 - CA - 138397	15,867
National Cancer Institute: Regulation of MLK3 by Merlin	93.395	1 - R15 - CA - 132006	72,611
National Cancer Institute: The Tumor Suppression Potential of NF-kB2 p100	93.396	5 - R01 - CA - 106550	6,309
National Cancer Institute: bHLH Transcription Factors in Prostate Cancer Malignancy	93.396	5 - R01 - CA - 098141	32,272
National Cancer Institute: RI-alpha/RIAZ on Cell Growth in Breast Cancer	93.396	5 - R01 - CA - 102204	149,771
National Cancer Institute: Gene Regulation for Drug Targeting in AML	93.396	5 - R01 - CA - 080183	265,433
National Cancer Institute: Androgen and Soluble Guanylyl Cyclase Signaling in Prostate Cancer Cells	93.396	R01 - CA - 127873	271,578
National Cancer Institute: Molecular Mechanisms of Ras-Induced Autophagy in Glioblastoma	93.396	5 - R01 - CA - 115495	277,838

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Agency	CFDA #	Agency Number	Fiscal Year 2010
U.S. Department of Health of Human Services - Continued:			
National Cancer Institute; Pass Through BioTrove, Inc.; Standardized NanoArray PCR for Gene Expression Profiling of Lung Cancer	93.394	1 - R21 - CA - 132806	(3,881)
National Cancer Institute; Pass Through Medical College of Georgia; The Oncogenic Basis of Bmi-1 in Neuroblastoma Development	93.396	7 - R01 - CA - 124982	472
National Cancer Institute; Pass Through Medical College of Georgia; The Oncogenic Basis of Bmi-1 in Neuroblastoma Development	93.396	7 - R01 - CA - 106550	2,330
National Cancer Institute; Pass Through Toledo Community Hospital Oncology Program; Toledo Community Clinical Oncology Program (TCCOP)	93.399		376
National Cancer Institute; Pass Through University of Cincinnati; Genetic Epidemiology of Lung Cancer: Gene Identification in High Risk Families	93.393	3 - U01 - CA - 076293	(4,117)
National Cancer Institute; Pass Through University of Cincinnati; Genetic Epidemiology of Lung Cancer: Gene Identification in High Risk Families	93.393	U01 - CA - 076293	20,560
National Cancer Institute; Pass Through University of Cincinnati; Genetic Epidemiology of Lung Cancer: Gene Identification in High Risk Families	93.393	U01 - CA - 076293	50,520
National Center for Research Resources; Pass Through Texas Tech University; Physiological Significance of Na, K-pump Diversity	93.849	5 - R01 - RR - 010799	11,276
National Heart, Lung and Blood Institute: Polyunsaturated Fatty Acid Metabolism via Lipoxygenase Catalysis	93.390	1R15HL091482-01	60,729
National Heart, Lung and Blood Institute: Gfi-1 in the Regulation of p21 Cip	93.390	1 - R15 - HL091511-01	97,455
National Heart, Lung and Blood Institute: Control Mechanisms of Cardiac Proteins & Enzymes	93.837		(192,124)
National Heart, Lung and Blood Institute: Functional Genomic Dissection of Rat Blood Pressure QTL	93.837		(114)
National Heart, Lung and Blood Institute: CORAL: Clinical Coordinating Center	93.837	5 - U01 - HL - 071556	234
National Heart, Lung and Blood Institute: Biochemistry and Genetics of Hypertension	93.837	5 - R01 - HL - 020176	1,803
National Heart, Lung and Blood Institute: The Role of ROS and Na/K-ATPase in Uremic Cardiomyopathy	93.837	5 - R01 - HL - 067963	32,666
National Heart, Lung and Blood Institute: Cardiovascular Outcomes in Renal Atherosclerotic Lesions (CORAL)	93.837	5 - U01 - HL - 071556	209,008
National Heart, Lung and Blood Institute: Genetics of Hypertension	93.837	5 - R01 - HL - 076709	487,087
National Heart, Lung and Blood Institute: Genetic Elements Controlling Blood Pressure	93.837	5 - R01 - HL - 020176	702,168
National Heart, Lung and Blood Institute: Digitalis-Induced Signaling by Cardiac Na ⁺ /K ⁺ -ATPase	93.837	5 - P01 - HL - 036573	1,239,374
National Heart, Lung and Blood Institute: Cardiovascular Outcomes in Renal Atherosclerotic Lesions (CORAL)	93.837	3 - U01 - HL - 071556	2,204,493
National Heart, Lung and Blood Institute: LPS Signaling and Lung Innate Immunity	93.838		215

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
U.S. Department of Health of Human Services - Continued:			
National Heart, Lung and Blood Institute; Pass Through Boston Medical Center Corporation; Statistical analysis for the study of the relationship between thrombin production and vein graft failure	93.837	7 - R01 - HL - 084080	9,805
National Heart, Lung and Blood Institute; Pass Through Case Western Reserve University/Case Medical Center; Prevention of Cardiovascular Disease in Diabetes Mellitus	93.830	N01 - HC - 95181	6,621
National Heart, Lung and Blood Institute; Pass Through Case Western Reserve University/Case Medical Center; Prevention of Cardiovascular Disease in Diabetes Mellitus	93.838	N01 - HC - 95181	(2,162)
National Heart, Lung and Blood Institute; Pass Through Case Western Reserve University/Case Medical Center; Prevention of Cardiovascular Disease in Diabetes Mellitus	93.838	N01 - HC - 95181	(52)
National Heart, Lung and Blood Institute; Pass Through Case Western Reserve University/Case Medical Center; Prevention of Cardiovascular Disease in Diabetes Mellitus	93.838	N01 - HC - 95181	33
National Heart, Lung and Blood Institute; Pass Through Case Western Reserve University/Case Medical Center; Prevention of Cardiovascular Disease in Diabetes Mellitus	93.838	N01 - HC - 95181	88,886
National Heart, Lung and Blood Institute; Pass Through Duke University; Effect of Exercise Training on Ventricular Function, Dyssynchrony, Resting Myocardial Perfusion and Clinical Outcomes in HF Patients: A Nuclear Ancillary Study	93.837		13,322
National Heart, Lung and Blood Institute; Pass Through Duke University; A CHF Trial Investigating Outcomes of Exercise Training (ACTION)	93.838		21,725
National Heart, Lung and Blood Institute; Pass Through Medical University of Ohio at Toledo; Cardiovascular Outcomes in Renal Atherosclerotic Lesions (CORAL)	93.837	I - U01 - HL - 071556	6,340
National Heart, Lung and Blood Institute; Pass Through Mount Sinai School of Medicine - New York City;	93.837	I - R01 - HL - 071988	4,626
National Heart, Lung and Blood Institute; Pass Through New York Medical College; Hormonal Regulation of Blood Pressure	93.837	5 - P01 - HL - 034300	16,846
National Heart, Lung and Blood Institute; Pass Through Rhode Island Hospital; Claudication: Exercise vs. Endoluminal Revascularization	93.837	I - U01 - HL - 077221-01A1	(2,957)
National Heart, Lung and Blood Institute; Pass Through Rhode Island Hospital; Claudication: Exercise vs. Endoluminal Revascularization	93.837	5 - U01 - HL - 077221	3,410
National Institute for Occupational Safety and Health: Mechanical Lifting Assist	93.262	I9277404	122
National Institute for Occupational Safety and Health: Crystalline Silica and RSP Control Methods Effectiveness During Concrete Grinding	93.262	I - R01 - OH - 009271	10,382
National Institute of Allergy & Infectious Diseases: Regulation of AAV Rep Protein Function	93.855	5 - R01 - AI - 051471	(16,047)
National Institute of Allergy & Infectious Diseases: The Role of T Cell Repertoire Selection in the NOD mouse model of MOG-Induced EAE	93.855	I R15 AI072755-01A1	(3,171)
National Institute of Allergy & Infectious Diseases: Dendritic Cell-based Biosensor System	93.855	7 - R01 - AI - 055885	(869)

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
U.S. Department of Health of Human Services - Continued:			
National Institute of Allergy & Infectious Diseases: Alphavirus Minus Strand RNA Synthesis and Rnase L	93.855		212,440
National Institute of Allergy & Infectious Diseases: Determinants of RNA Virus Evolution	93.855		276,757
National Institute of Allergy & Infectious Diseases: Deletion of T and B Cells to Induce Tolerance	93.855	5 - R01 - AI - 061052	290,551
National Institute of Allergy & Infectious Diseases: Dysregulation of Innate Immune Responses by Borrelia burgdorferi: A Role for IL-10	93.855	5 - R01 - AI - 073452	302,897
National Institute of Allergy & Infectious Diseases: Bacterial, Signaling, & Leukocyte Transcription Activation	93.855	5 - R01 - AI - 043524	377,468
National Institute of Allergy & Infectious Diseases: Locomotion in Parasitic Nematodes	93.855	R01 - AI - 072644	391,826
National Institute of Allergy & Infectious Diseases: Pass Through Duke University; Randomized Open-label Phase II/III Multicenter Study of High-dose Immunosuppressive Therapy of Irradiation, Cyclophosphamide, ATGAM & Autologous Transplantation c/Auto-CD34+HPC vs IV Pulse Cyclophosphamide for Treatment of Severe Systemic Sclerosis(SCOT)	93.855	N01 - AI - 05419	531
National Institute of Allergy & Infectious Diseases: Pass Through University of Calgary; Glanders Vaccine Development	93.855	I - U01 - AI - 077764	7,383
National Institute of Allergy & Infectious Diseases: Pass Through University of Calgary; Glanders Vaccine Development	93.855	I - U01 - AI - 077764	174,742
National Institute of Allergy & Infectious Diseases: Pass Through University of Georgia at Athens; Identification of B. Pseudomallei & B. Mallei Adhesins	93.855	RAI062775B	(1)
National Institute of Arthritis & Musculoskeletal & Skin Diseases; Role of Calpains in Plasma Membrane Repair	93.846		184,767
National Institute of Arthritis & Musculoskeletal & Skin Diseases; Behavioral Dynamics of Langerhans Cells in Skin	93.846	3 - R01 - AR - 053355	324,984
National Institute of Arthritis & Musculoskeletal & Skin Diseases; Pass Through Pacific Research Laboratories; Development and Validation of Instrumented Synthetic Mechanical Analogue Lumbar Spine Model	93.846	2R44AR054289-02	10,065
National Institute of Deafness & Other Communication Disorders; Pass Through Bowling Green State University; Aerodynamic and Acoustic Models of Phonation	97.173	2 - R56 - DC - 3577	1,530
National Institute of Deafness & Other Communication Disorders; Pass Through Cleveland Clinic Foundation; Central Auditory Plasticity as a Basis of Tinnitus	93.173	I - R01 - DC - 009097	147,424
National Institute of Dental and Craniofacial Research; Pass Through University of Rochester; [Ca2+]i and Secretory Dynamics in Parotid Acinar Cells	93.121	2 - R01 - DE - 014756	53,471
National Institute of Diabetes, Digestive & Kidney Diseases: Ceacam and Insulin Action	93.847	3 - R01 - DK - 054254	(28,152)
National Institute of Diabetes, Digestive & Kidney Diseases: Fatty Acids Control Obesity and the Metabolic Syndrome via TPR Proteins	93.847	I - F31 - DK - 084958	35,328

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
U.S. Department of Health of Human Services - Continued:			
National Institute of Diabetes, Digestive & Kidney Diseases:TPR Proteins in Steroid Receptor Signaling and Physiology	93.847	3 - R01 - DK - 070127	138,457
National Institute of Diabetes, Digestive & Kidney Diseases: Innate Cellular Lectin-Mediated Binding of Xenoantigens	93.847	5 - R01 - DK - 066160	139,952
National Institute of Diabetes, Digestive & Kidney Diseases: Mechanisms of Enteric Nervous System Development	93.847	5 - R01 - DK - 067064	371,751
National Institute of Diabetes, Digestive & Kidney Diseases: Pass Through Indiana University; Role of FKBP52 in Androgen Signaling and Hypospadias	93.849	5 - R01 - DK - 073402	133
National Institute of Environmental Health Sciences: Chromatin Remodeling in UVR Induced Melanogenesis	93.113	5 - K22 - ES - 012981	165
National Institute of General Medical Sciences: Agonists & Antagonists of Vasopressin & Oxytocin	93.859		26
National Institute of General Medical Sciences: Na,K-ATPase as an Integrator of the Calcium Signaling Machinery	93.859	GM078565	260,209
National Institute of Neurological Disorders and Stroke: Targeted Treatments for Invasive CNS Tumors	93.853	1 - R21 - NS - 065809	20,634
National Institute of Neurological Disorders and Stroke: UNC-73/Trio Signaling in Axon Guidance and Neurotransmission	93.853	1 - R15 - NS - 062406	74,932
National Institute of Neurological Disorders and Stroke: Post-Hypoxic Regulation of GABA-A Receptor Function	93.853	5 - R01 - NS - 049389	165,138
National Institute of Neurological Disorders and Stroke: Mechanisms of Sympathetic Neuron Development	93.853	5 - R01 - NS - 040644	172,505
National Institute of Neurological Disorders and Stroke; Pass Through Cornell University; Effects of Coenzyme Q10 in Early Parkinson's Disease - Phase III QE3 Study	93.853	U01 - NS - 050324	193
National Institute of Neurological Disorders and Stroke; Pass Through Mount Sinai School of Medicine - New York City; A Multi-Center, Double-Blind, Randomized Study Comparing the Combined Use of Interferon Beta-1a and Glatiramer Acetate to Either Agent Alone in Patients with Relapsing Remitting Multiple Sclerosis (CombiRx-Phase III)	93.853	1 - U01 - NS - 045719	18,814
National Institute of Neurological Disorders and Stroke; Pass Through University of Rochester; A Longitudinal Observational Follow-up of the PRECEPT Study Cohort (PostCEPT)	93.853		232
National Institute of Neurological Disorders and Stroke; Pass Through University of Rochester; Parkinson's Disease Collaborative Study of Genetic Linkage, 'PROGENI'	93.853	5 - R01 - NS - 037167	36,765
National Institute of Neurological Disorders and Stroke; Pass Through Washington University in St. Louis; Thalamocortical Boundary Markers and the Influence of Serotonin	93.853	PNS049048A	99,260
National Institute of Neurological Disorders and Stroke; Pass Through Washington University in St. Louis; Thalamocortical Boundary Markers and the Influence of Serotonin	93.853	5 - P01 - NS - 049048	(953)
National Institute of Neurological Disorders and Stroke; Pass Through Yale University; Insulin Resistance Intervention after Stroke (IRIS) Trial	93.853	2 - U01 - NS - 44876	2,135

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
U.S. Department of Health of Human Services - Continued:			
National Institute on Aging: Marinobufagenin as a Target for DIGIBIND in Hypertensive Patients with End-Stage Renal Disease	93.000	263-MA-707136	6,654
National Institute on Aging: Bone Loss with Aging Occurs Due to Increased PPAR-g Activity in Marrow Stem Cells	93.866		121,913
National Institute on Aging: Elderly Immune Response to Pneumococcal Polysaccharide	93.866	AG015978	291,705
National Institute on Drug Abuse: Altering Gene Expression and Function at Single Neuronal Nicotinic Synapses	93.279	I - R21 - DA - 022280	245
National Institute on Drug Abuse: Regulation of Voltage-gated Calcium Channels During Chronic BZ Treatment in Rats	93.279	5 - F30 - DA - 026675	31,204
National Institute on Drug Abuse: The Role of Ubiquitination in Methamphetamine Neurotoxicity (CDA)	93.279	5 - K99 - DA - 023085	85,144
National Institute on Drug Abuse: Benzodiazepine-induced Glutamate Receptor Plasticity	93.279		184,792
National Institute on Drug Abuse: Role of Tyrosine in MDMA Toxicity	93.279	5 - R01 - DA - 019486	265,909
National Institute on Drug Abuse: Methamphetamine Toxicity and Corticostriatal Glutamate	93.279	5 - R01 - DA - 007606	318,934
ARRA National Institutes of Health: Dual Release of Osteogenic Factors to Enhance Bone Regeneration	93.701	I - R03 - DE - 019508	8,870
ARRA National Institutes of Health: A Genetic Analysis of Intermediate Filament Domain Functions in C. elegans	93.701	R15 - IR15GM086807	15,225
ARRA National Institutes of Health - Role of small RNAs in innate immunity and inflammation	93.701	I - R15 - AI - 089518	28,291
ARRA National Institutes of Health: Understanding the Impact of Antigen 85 Complex Substrate Specificity on Mycobacterial Cell Wall	93.701	IR15AI089653-01	58,412
ARRA National Institutes of Health: Validation Study of a Multi-gene Test for Lung Cancer Risk	93.701		100,809
ARRA National Institutes of Health: Role of ISG12 in Cellular Innate Immune Responses	93.701	R21 - AI - 063014	121,406
ARRA National Institutes of Health: 3D Skin Model to Test Toxic and Sensitizing Potentials of Environmental Chemicals	93.701	I - RCI - ES - 018026	173,109
ARRA National Institutes of Health: RKIP Regulation as a Potential for Tumor Metastasis Suppression	93.701	I - R01 - CA - 133479	260,399
ARRA National Institutes of Health: Immune Response to Pneumococcal Vaccine in HIV Infected Adults	93.701	I - R56 - AI - 081558	286,350
ARRA National Institutes of Health: The Role of Complement Proteins in Cardiovascular Disease	93.701	I - P30 - HL - 101317	451,997
ARRA National Institutes of Health: Regulation of Borealin by Mitotic Phosphorylation	93.701	R15 - GM084410-01	34,585

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
U.S. Department of Health of Human Services - Continued:			
ARRA National Institutes of Health: Regulation of NF-kappaB Transactivation Function	93.701	GM071405-02	80,407
ARRA National Institutes of Health: The Roles of Primary Cilia in Cardiovascular System	93.701	1 - R01 - DK - 080640	104,176
ARRA National Institutes of Health; Pass Through Palmer Chiropractic University Foundation; Developmental Center to Study Mechanisms & Effects of Chiropractic Manipulation	93.701	3U19AT004137-03-S1	22,569
ARRA National Cancer Institute: Molecular Mechanisms of Ras-Induced Autophagy in Glioblastoma	93.701	5 - R01 - CA - 115495	51,294
ARRA National Cancer Institute; Pass Through University of Cincinnati; Genetic Epidemiology of Lung Cancer: Gene Identification in High Risk Families	93.701		28,714
ARRA National Institute of Arthritis & Musculoskeletal & Skin Diseases	93.701	3 - R01 - AR - 053355	46,992
ARRA National Institute of Dental and Craniofacial Research; Pass Through University of Rochester; [Ca2+]i and Secretory Dynamics in Parotid Acinar Cells	93.701	3 - R01 - DE - 014756	19,783
ARRA National Institute of Diabetes, Digestive & Kidney Diseases: Oxidative Stress and Vascular HO in Diabetes	93.701	3 - R01 - DK - 068134	52,645
ARRA National Institute of Diabetes, Digestive & Kidney Diseases: Ceacam and Insulin Action	93.701	3 - R01 - DK - 054254	58,313
ARRA National Institute of Diabetes, Digestive & Kidney Diseases: TPR Proteins in Steroid Receptor Signaling and Physiology	93.701	3 - R01 - DK - 070127	58,425
ARRA National Institute of Diabetes, Digestive & Kidney Diseases: Insulin Resistance in the Pathogenesis of NASH	93.701	1 - R01 - DK - 083850	375,985
Total Health and Human Services			18,003,201
TOTAL RESEARCH AND DEVELOPMENT			39,846,542
State Fiscal Stabilization Fund Cluster			
ARRA State Fiscal Stabilization Fund (SFSF) - Education State Grants, Recovery Act	84.394		17,616,598
TOTAL State Fiscal Stabilization Fund Cluster			17,616,598
Public Works ED Cluster			
Tech Park Roadway	11.300		553,057
TOTAL Public Works Cluster			553,057

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
WIA Cluster			
Pass Through Ohio Department of Jobs and Family Services: Ohio Skills Bank	17.258	po jfs01-000006125	3,280
Pass Through NetWork: Career Ladder in Green Jobs	17.259		0
Pass Through Lucas County Educational Service Center: Lucas County Educational Service Ce	17.259		8,150
Employment and Training Administration; Pass Through Monroe County; Monroe Cty WIA - 12121	17.260		4,616
Employment and Training Administration: NOW WIA - 12145	17.260		33,740
Employment and Training Administration; Pass Through Lucas County; WIA - 12144	17.260		125,652
Employment and Training Administration: Workforce Dev - 12104	17.260		434
TOTAL WIA Cluster			175,872
Trio Cluster			
UT Student Support Services	84.042	P042A051096-09	247,078
Regular Upward Bound	84.047	P047A070851-09	382,765
Upward Bound Program	84.047	P047A030119-06	(1,334)
TOTAL Trio Cluster			628,509
Voc Rehab Cluster			
Office of Special Education and Rehabilitation Services; Pass Through State of Ohio; BVR - 12140	84.126		133,101
Pass Through Ohio Rehabilitation Services Commission: Replacement of outdated equipment and software and the purchase of additional equipment to improve services provided to students with disabilities	84.126		8,742
TOTAL Voc Rehab Cluster			141,843
IDEA Cluster			
Pass Through Ohio Department of Health - Federal Pass-Through Funds: Hosp Based Svcs Coordination	84.181	04840011HB0209	1,621
Pass Through Ohio Department of Health - Federal Pass-Through Funds: Hosp Based Svcs Coordination	84.181	04840011HB0110	20,889
ARRA; Pass Through Board of County (Lucas) Commissioners; Regional Child Find	84-393A		19,565
TOTAL IDEA Cluster			42,075

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Teacher Quality Cluster			
UT3	84.336	P336B040031-06	1,251,190
TOTAL Teacher Quality Cluster			1,251,190
TANF Cluster			
Pass Through Ohio Jobs and Family Services: Reach Out and Read/ODJFS	93.558		(503)
Pass Through Ohio Jobs and Family Services: Reach Out and Read/ODJFS	93.558	48-08-OWF-08	625
Pass Through Ohio Jobs and Family Services: Reach Out and Read/ODJFS	93.558		(40,344)
TOTAL TANF Cluster			(40,222)
CSBG Cluster			
Pass Through Ohio Department of Jobs and Family Services: Provider Training	93.575	48-09-QD-08	4,953
Pass Through Ohio Department of Jobs and Family Services: Reach Out and Read/ODJFS	93.575	48-10-QCC-06	21,448
TOTAL CSBG Cluster			26,401
Other Federal Grants			
National Oceanic and Atmospheric Administration; Pass Through Ohio State University; Knauss Fellowship - Joshua Brown	11.417		20,226
Total Department of Commerce			20,226
Defense Logistics Agency; Pass Through Ohio Department of Development; Procurement Technical Assistance Center	12.002	MBED-09-016	21,778
Defense Logistics Agency; Pass Through Ohio Department of Development; Procurement Technical Assistance Center	12.002	MBDD 10-014	13,913
Defense Logistics Agency; Pass Through Ohio Department of Development; Procurement Technical Assistance Training (PTAC)	12.002	MBDD 10-014	4,695
Office of Naval Research; North American Membrane Society (NAMS) 2007 Conference	12.300	N00014-06-1-1151	4,759
Total Department of Defense			45,145

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Other Federal Grants - Continued:			
Pass Through Lucas Metropolitan Housing Association: HUD Neighborhood Networks	14.854		2,196
Total Department of Housing and Urban Development			2,196
State of Ohio Funding for Capacity Building for DBE Program	17.267	G-04-15-0313	885
Worker's Comp - 12121	17.000		(29)
Total Department of Labor Employment Training Administration			856
NASA Goddard Space Flight Center; Pass Through Ohio Aerospace Institute; Students and Teachers Exploring Local Landscapes to Interpret the Earth from Space Application to the International Polar Year (IPY)	43.001	R-300-100201-40108	4,548
Pass Through Ohio State Grant Consortium; SATELLITES: Using Geospatial Technology to Teach Science in Cleveland Municipal Schools	43.001		65
Pass Through Institute for Global Environment Strategies: Implementation of Earth System Science Education Alliance in the Great Lakes Region	43.001	GEO-0631389	(790)
Govt Training - 12121	43.001		79,638
Total Department of National Aeronautics and Space Administration			83,461
An Innovative Model for a New Advanced Energy Workforce	47.041	IIP-0917981	35,637
REU SITE: Engagement of Undergraduates in Theory, Algorithm & Applications of Science and Engineering in Information Technology	47.070		(243)
Undergraduate Research and Mentoring (URM)	47.074	DBI 0829252	125,312
Graduate Teaching Fellows in STEM High School Education: An Environmental Science Learning Community at the Land-Lake Ecosystem Interface	47.076	DGE-0742395	529,620
The UT3 Noyce Scholarship Program	47.076	DUE-0733767	153,639
Pass Through Ohio State University: Ohio Consortium for Undergraduate Research	47.049	RF01042476	24,552
Pass Through Wright State University: A National Model for Engineering Mathematics Education	47.076	DUE-0618571	35,656
Total National Science Foundation			904,173

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Other Federal Grants - Continued:			
Pass Through Ohio Business Connection/Ohio Business Development Organization, Inc.: MTSBDC	59.037		69,722
Pass Through Ohio Business Connection/Ohio Business Development Organization, Inc.: MTSBDC	59.037		28,459
Pass Through Ohio Business Connection/Ohio Business Development Organization, Inc.: MTSBDC - FY 08 Federal Funds	59.037		6,810
Pass Through Ohio Business Connection/Ohio Business Development Organization, Inc.: MTSBDC - FY09 Federal	59.037		78
Total Small Business Administration			105,069
A.C.E.S. 12121	64.120		20,240
Air Force-AFIT-12121	64.120		205,705
Air Force-Shaw - 12121	64.120		750
Army Medical-12121	64.120		177,613
Army-Ft. Bragg-12121	64.120		3,250
BG ROTC - 12121	64.120		63,109
Coast Guard Group-12121	64.120		10,500
Go Army - 12162	64.120		32,800
MyCAA - 12169	64.120		36,125
Naval Ed/Tmg - 12121	64.120		11,412
Navy Medical-12121	64.120		181,645
Post 911 GI Bill-12168	64.120		1,539,570
ROTC - 12126	64.120		610,845
Vet Voc - 12137	64.120		162,411
Total Department of Veterans Affairs Veterans Benefits Administration			3,055,975
Enhanced Competitiveness of U.S. Small and Medium Size Firms Through the Development and Utilization of Secure and Efficient Global Supply Chains	84.153		51,018
Accelerating Achievement in Math & Science in Urban Schools	84.206	S206A040096-05	87,392
Project ASSURE	84.325	H325A020104-6	2,600
Project DIRECT Connections	84.325	H325K070101-10	230,611
Project EC-NET	84.325	H325T070038-09	107,918
UT-CCAMPIS Student Parents	84.335	P335A060328	117,435
UT3 Inquiry Masters Program Advancing Content for Teachers (IMPACT)	84.381	P381B080006	150,065
Pass Through Ohio Board of Regents: K-5 Algebraic Thinking Initiative	84.367	I - 06-39	(44)
Pass Through Ohio Board of Regents: SATELLITES	84.367		6,759

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Other Federal Grants - Continued:			
Pass Through Ohio Department of Education: Special Funding for Engineering for Migrant Students: Focus on Sustainability	84.011		5,251
Pass Through Ohio Department of Education: Special Funding for Engineering for Migrant Students: Focus on Sustainability	84.011		28,045
Pass Through Ohio Department of Education: Capacity-Building Faculty Support Grant	84.048	VEPD-CB-09-IRN-06309	6
Pass Through Ohio Department of Education: CTE Teacher Preparation and Retention	84.048	VEPD-CB-10-063099	82,959
Pass Through Ohio Department of Education: Inquiry-Based Instruction for Tech Prep	84.048	VECI-IB-08-063099	132
Pass Through Ohio Department of Education: FY 08 Federal Tech Prep Grant	84.243		22
Pass Through Ohio Department of Education: FY09 Federal Tech Prep Grant	84.243		8,765
Pass Through Ohio Department of Education: Tech Prep Federal Base	84.243		377,690
Pass Through Ohio Department of Education: NWO TEAMS	84.330	C1667-OMAP-07-14	191,138
Pass Through Ohio Department of Education: Carl D. Perkins Grant	84.051		88,488
Pass Through Ohio Department of Human Services: Special Funding for Engineering for Migrant Students	84.011		11
Pass Through Penta Career Center: UT's Assistance to Penta Career Center in Geospatial Technology Program	84.048	PO 293396	15,497
DCTAG Award	84.000		8,812
Total Department of Education			1,560,570
Block Grants for Community Mental Health Services: Community Mental Health Services Federal	93.958		1,055,480
Block Grants for Community Mental Health Services; Pass Through Board of County (Lucas) Commissioners; Regional Child Find	93.000		4,540
Block Grants for Community Mental Health Services; Pass Through Ohio Department of Health - Federal Pass-Through Funds; Regional Comprehensive Genetic Services	93.994		200,077
Block Grants for Community Mental Health Services; Pass Through Ohio Department of Health - Federal Pass-Through Funds; Women's Health Week IV	93.994	PREV-30609	6,934
Block Grants for Community Mental Health Services; Pass Through Ohio Department of Jobs and Family Services; Workforce Development	93.187	G-67-06-0343	10,097
Block Grants for Community Mental Health Services; Pass Through Ohio Department of Jobs and Family Services; Reach Out and Read	93.667	48-09-TXX-03	3,722
Block Grants for Community Mental Health Services; Pass Through Ohio State University Research Fund; Regional Child Find	93.283	DOH039H	9,726

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Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Other Federal Grants - Continued:			
Health Resources and Services Administration; Pass Through Ohio Department of Health; Regional Comprehensive Genetic Services	93.994		41
Health Resources and Services Administration; Pass Through Ohio Department of Health - Federal Pass-Through Funds; Regional Comprehensive Genetic Services	93.994		393
Health Resources and Services Administration; Pass Through Ohio Department of Health - Federal Pass-Through Funds; Women's Health Week 2009 Conferences/Workshops	93.994	ADTS#33338	1,435
National Institutes of Health: Shared Instrumentation: Xenogen IVIS Spectrum Imaging System	93.389	1 - S10 - RR - 025491	1,521
Bureau of Health Professions: Advanced Education Nursing Traineeship Program	93.358	2 - A10 - HP - 00004	111
Bureau of Health Professions: University of Toledo Advanced Education Traineeships: An Answer to the Nursing Shortage	93.358	2 - A10 - HP - 00004	67,408
Centers for Disease Control and Prevention; Pass Through Lucas County Regional Health District; Healthy Relationships through Existing Support Groups	93.940		(4,958)
Centers for Disease Control and Prevention; Pass Through Lucas County Regional Health District; Healthy Relationships through Existing Support Groups	93.940		13,716
Centers for Disease Control and Prevention; Pass Through Lucas County Regional Health District; Healthy Relationships through Existing Support Groups	93.940		208
Centers for Disease Control and Prevention; Pass Through Lucas County Regional Health District; HIV Prevention in a Medical Care Setting Project	93.940	2 - 4810012HP0207	12,138
Centers for Disease Control and Prevention; Pass Through Lucas County Regional Health District; HIV Prevention in a Medical Care Setting Project	93.940	4810012HP0207	227
Centers for Disease Control and Prevention; Pass Through Lucas County Regional Health District; HIV Prevention in Medical Care Settings	93.940		(3,015)

University of Toledo

Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Other Federal Grants - Continued:			
Centers for Disease Control and Prevention; Pass Through Lucas County Regional Health District; University of Toledo Medical Center HIV Testing Program	93.940		(11,138)
Centers for Disease Control and Prevention; Pass Through Lucas County Regional Health District; University of Toledo Medical Center HIV Testing Program	93.940		30,608
Centers for Disease Control and Prevention; Pass Through Lucas County Regional Health District; University of Toledo Medical Center HIV Testing Program	93.940		586
Division of Medicine: Model State-Supported AHEC	93.107	6 - U77 - HP - 03029	438,058
Health Resources & Services Administration: Model State-Supported AHEC	93.107		268,670
Health Resources & Services Administration; Pass Through Hospital Council of Northwest Ohio; First Spending Plan Hospital Funding	93.889		42,958
HIV/AIDS Bureau: Coordinated Services and Access to Research for Women, Infants, Children, and Youth	93.153	5 - H12 - HA - 23012	(663)
HIV/AIDS Bureau: Multidisciplinary Comprehensive Care Center for Families Impacted by HIV	93.153	2 - H12 - HA - 23012	193
HIV/AIDS Bureau: Multidisciplinary Comprehensive Care Center for Families Impacted by HIV	93.153		88,207
HIV/AIDS Bureau: Part D Title IV Multidisciplinary Comprehensive Care Center for Families Impacted by HIV	93.153	5 - H12 - HA - 23012	399,051
HIV/AIDS Bureau: Ryan White Part C (Title III) HIV Early Intervention Services (EIS) Program	93.918	2 - H76 - HA - 00732	30,433
HIV/AIDS Bureau: Ryan White Part C (Title III): Categorical Grant Program for Outpatient Early Intervention Services (EIS)	93.918	5 - H76 - HA - 00732	(3,823)
HIV/AIDS Bureau: Ryan White Title III	93.918	5 - H76 - HA - 00732	1,478
HIV/AIDS Bureau; Pass Through National Institutes of Health; Ryan White Part C (Title III)	93.918	5 - H76 - HA - 00732	386,850
HIV/AIDS Bureau; Pass Through University of Toledo Physicians; Program Income Account for Ryan White Part C	93.918		(1,597)
HIV/AIDS Bureau; Pass Through University of Toledo Physicians; Program Income Account for Ryan White Part D	93.153		2,419
National Institute for Occupational Safety and Health: Occupational Health Training Grant	93.262	2 - T01 - OH - 008605	55,491
National Institute for Occupational Safety and Health: Occupational Health Training Grant	93.283	5 - T01 - OH - 008605	2,911
National Institute of Allergy and Infectious Diseases: American Society for Virology Junior Scientist Travel Request	93.855	5 - R13 - AI - 069676	10,000
Substance Abuse and Mental Health Services Administration; Pass Through Ohio Department of Alcohol and Drug Addiction Services; Reducing High Risk Drinking	93.959	99-8203-HEDUC-P-09-9	20,780
Substance Abuse and Mental Health Services Administration; Pass Through Ohio Department of Alcohol and Drug Addiction Services; Reducing High Risk Drinking	93.959	99-8203-HEDUC-P-09-9	6,536

University of Toledo

Schedule of Expenditures of Federal Awards (Continued) Year Ended June 30, 2010

Agency	CFDA #	Agency Number	Fiscal Year 2010
Other Federal Grants - Continued:			
Administration for Children and Families; Pass Through Lucas County; Reach Out and Read	93.593		1,221
Administration for Children and Families; Pass Through Ohio Department of Jobs and Family Services; Workforce Development	93.654	G-1011-06-0069	62,276
Nurse Faculty Loan Program	93.264		17,497
ARRA - Nurse Faculty Loan Program	93.408		26,740
Total Health and Human Services			3,255,543
Pass Through Otterbein College: University of Toledo Service Learning Initiative for Youth Empowerment	94.004		(1,453)
Total Corporation for fNational and Community Service			(1,453)
Total Other Federal Grants			9,031,761
Total Expenditures of Federal Awards			99,504,408

University of Toledo

Notes to Schedule of Expenditures of Federal Awards Year Ended June 30, 2010

Note 1 – Significant Accounting Policies

The accompanying schedule of expenditures of federal awards includes the federal grant activity of the University of Toledo (the “University”) and is presented on the same basis of accounting as the basic financial statements. The information in this schedule is presented in accordance with the requirements of OMB Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*. In addition, expenditures reported on the Schedule are recognized following the cost principles contained in OMB Circular A-21, *Cost Principles for Educational Institutions*, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Therefore, some amounts presented in this schedule may differ from amounts presented in, or used in the preparation of, the basic financial statements.

Note 2 – Federal Direct Student Loan Program (CFDA No. 84.268)

The University acts as the intermediary for students obtaining direct loans from the U.S. Department of Education. The U.S. Department of Education is responsible for billings and collections of the loans. The University assists the U.S. Department of Education by processing the applications and disbursing the funds from the U.S. Department of Education to the students. Loans advanced to students during the fiscal year ended June 30, 2010, totaled approximately \$173,718,000.

Note 3 – Family Health Professions Student Loan Program (CFDA No. 93.342)

Revolving loan funds are established to maintain health professions student loans. Repayment of principal and interest is deposited back into the program for new loans. University of Toledo is responsible for administering the program, including the approving, disbursing, and collecting of the loans. Since July 1, 1993, health professions student loan funds have been awarded in the form of primary care loans and loans for disadvantaged students. As of June 30, 2010, outstanding loans under the program totaled approximately \$564,000.

Note 4 – Federal Perkins Loan Program (CFDA No. 84.038)

Revolving loan funds are also established to maintain Perkins loans. Repayments of principal and interest are deposited back into the program for new loans. University of Toledo is responsible for administering the program, including the approving, disbursing, and collecting of the loans. As of June 30, 2010, outstanding Perkins loans totaled approximately \$19,405,000.

University of Toledo

Notes to Schedule of Expenditures of Federal Awards Year Ended June 30, 2010

Note 5 - Subrecipient Awards

Of the federal expenditures presented in the schedule, federal awards were provided to subrecipients as follows:

CFDA	Agency	Description	Current Year Transferred to Subrecipient
10.2	BOWLING GREEN STATE UNIVERSITY	Monitoring Agricultural Sewage Sludge	\$ 177,003
10.2	OHIO AEROSPACE INSTITUTE	Monitoring Agricultural Sewage Sludge	35,728
10.200	BOWLING GREEN STATE UNIVERSITY	Monitoring Agricultural Sewage Sludge	98,931
10.200	OHIO AEROSPACE INSTITUTE	Monitoring Agricultural Sewage Sludge	1,146
10.200	BOWLING GREEN STATE UNIVERSITY	Investigating Potential Human Health Impacts of Sewage Sludge Applied to Agricultural Fields	77,211
10.200	DOI-USGS	Lake Erie Wetlands and Shoreline Restoration: MBSP Phytoremediation	12,420
10.200	HULL & ASSOCIATES INC	Lake Erie Wetlands and Shoreline Restoration: MBSP Phytoremediation	11,600
12.000	OHIO STATE UNIVERSITY	Rapidly Deployable Solar Electricity and Fuel Sources	18,335
12.000	ROCHESTER INSTITUTE OF TECHNOLOGY	Rapidly Deployable Solar Electricity and Fuel Sources	5,582
12.000	UNIVERSITY OF HAWAII	Rapidly Deployable Solar Electricity and Fuel Sources	60,392
12.800	BOWLING GREEN STATE UNIVERSITY	Rapidly Deployable Solar Electricity and Fuel Sources	96,797
12.800	NASA-NSSC-FMD	Rapidly Deployable Solar Electricity and Fuel Sources	262,046
12.800	OHIO STATE UNIVERSITY	Rapidly Deployable Solar Electricity and Fuel Sources	37,880
12.800	ROCHESTER INSTITUTE OF TECHNOLOGY	Rapidly Deployable Solar Electricity and Fuel Sources	38,000
12.800	UNIVERSITY OF HAWAII	Rapidly Deployable Solar Electricity and Fuel Sources	102,636
16.556	TOLEDO AREA MINISTRIES	Increase Effective Services for Child Victims of Commercial Sexual Exploitation	90,098
20.760	BOWLING GREEN STATE UNIVERSITY	Transportation for Economic Security and Development	7,447
20.760	UNIVERSITY OF TENNESSEE	Transportation for Economic Security and Development	17,345
20.760	WAYNE STATE UNIVERSITY	Transportation for Economic Security and Development	82,820
66.469	OHIO STATE UNIVERSITY	Lake Erie Algal Source Tracking	5,801
66.708	EISC, INC	University of Toledo Pollution Prevention Incentives for States Grant Proposal	14,200
66.708	TECHSOLVE INC	University of Toledo Pollution Prevention Incentives for States Grant Proposal	21,037
66.708	EISC, INC	The University of Toledo Pollution Prevention Grant Proposal	60
81.087	BOWLING GREEN STATE UNIVERSITY	High-Rate Fabrication of a-Si-Based Thin-Film Solar Cells Using Large-Area VHF PECVD Technologies	18,431
81.122	CALYXO USA	Improved CdTe PV Modules by APVD	23,461
81.122	REGENTS OF THE UNIVERSITY OF MICHIGAN	Improved CdTe PV Modules by APVD	11,568
81.122	THE REGENTS OF THE UNIVERSITY	Improved CdTe PV Modules by APVD	4,800
81.122	UNIVERSITY OF NEVADA LAS VEGAS	Improved CdTe PV Modules by APVD	39,197
84.116	LEIDO	Short-Cycle Higher Education (SCHE) in Europe and the United States: Addressing Social and Economic Needs	2,496
84.116	OWENS COMMUNITY COLLEGE	Short-Cycle Higher Education (SCHE) in Europe and the United States: Addressing Social and Economic Needs	15,371
84.206	MIAMI UNIVERSITY	Accelerating Achievement in Math & Science in Urban Schools	141,396
84.243	NORTHWEST STATE COMMUNITY	Tech Prep Federal Base	85,000
84.330	BOWLING GREEN STATE UNIVERSITY	NWO TEAMS	191,138
84.335	APPLE TREE NURSERY SCHOOL INC	UT-CCAMPIS Student Parents	115,435

University of Toledo

Notes to Schedule of Expenditures of Federal Awards Year Ended June 30, 2010

Note 5 - Subrecipient Awards (Continued)

CFDA	Agency	Description	Current Year Transferred to Subrecipient
93.000	COLUMBIA UNIVERSITY	Effect of Chemopreventive Agents on the Development of BCC and SCC in the Ptch +/- Hairless Mouse-Work Assignment #5	118,424
93.000	THE REGENTS OF UNIVERSITY OF CALIFORNIA	Preclinical In Vitro and In Vivo Screening Assays for Cancer Preventative Agent Development Work Assignment #7	45,823
93.000	INDIANA UNIVERSITY	Mechanism-Based In Vitro Screening of Chemopreventive Agents for the Inhibition/Reversal of the Tumorigenic Phenotype in ERα-Negative Human Mammary Epithelial Cells - Work Assignment #8	112,099
93.000	REGENTS OF UNIVERSITY OF CALIFORNIA	Evaluation of the Modulation on Gene Expression by Chemopreventive Agents in Human Colon Polyp Adenoma Cells Using Gene Arrays	264,000
93.107	BAHEC	Model State-Supported AHEC	23,059
93.107	LIMA AREA/MCO HEALTH	Model State-Supported AHEC	38,209
93.107	NEOUCOM	Model State-Supported AHEC	77,740
93.107	OHIO STATE UNIVERSITY	Model State-Supported AHEC	20,067
93.107	SAHEC	Model State-Supported AHEC	16,794
93.107	SANDUSKY AREA HEALTH EDUCATION	Model State-Supported AHEC	23,752
93.107	UNIVERSITY OF CINCINNATI	Model State-Supported AHEC	39,145
93.107	BAHEC	Model State-Supported AHEC	19,048
93.107	LIMA AREA/MCO HEALTH	Model State-Supported AHEC	42,671
93.107	NEOUCOM	Model State-Supported AHEC	108,306
93.107	OHIO STATE UNIVERSITY	Model State-Supported AHEC	55,277
93.107	SAHEC	Model State-Supported AHEC	38,678
93.107	SANDUSKY AREA HEALTH EDUCATION	Model State-Supported AHEC	9,692
93.107	UNIVERSITY OF CINCINNATI	Model State-Supported AHEC	42,933
93.279	WRIGHT STATE UNIVERSITY	Benzodiazepine-induced Glutamate Receptor Plasticity	18,907
93.279	BOSTON UNIVERSITY	Role of Tyrosine in MDMA Toxicity	6,152
93.394	GENE EXPRESS INC	Implementation of Innovative RNA Sample Quality Control Methods	5,500
93.396	UNIVERSITY OF NEBRASKA	Androgen and Soluble Guanylyl Cyclase Signaling in Prostate Cancer Cells	13,925
93.396	UNIVERSITY OF NEBRASKA MEDICAL	Androgen and Soluble Guanylyl Cyclase Signaling in Prostate Cancer Cells	15,708
93.701	REGENTS OF THE UNIVERSITY OF MICHIGAN	RKIP Regulation as a Potential for Tumor Metastasis Suppression	25,212
93.701	RESEARCHDX LLC	Validation Study of a Multi-gene Test for Lung Cancer Risk	57,000
93.837	HOLY NAME HOSPITAL	Cardiovascular Outcomes in Renal Atherosclerotic Lesions (CORAL)	13,065
93.837	MASSACHUSETTS GENERAL HOSPITAL	Cardiovascular Outcomes in Renal Atherosclerotic Lesions (CORAL)	36,623
93.837	REGENTS OF THE UNIVERSITY OF MICHIGAN	Cardiovascular Outcomes in Renal Atherosclerotic Lesions (CORAL)	42,041
93.837	RHODE ISLAND HOSPITAL	Cardiovascular Outcomes in Renal Atherosclerotic Lesions (CORAL)	246,591
93.837	THE REGENTS OF THE UNIVERSITY	Cardiovascular Outcomes in Renal Atherosclerotic Lesions (CORAL)	3,766
93.837	UNIVERSITY OF TEXAS HEALTH SCIENCE	Cardiovascular Outcomes in Renal Atherosclerotic Lesions (CORAL)	4,624
93.837	PORTLAND STATE UNIVERSITY	Digitalis-Induced Signaling by Cardiac Na ⁺ /K ⁺ -ATPase	244,690
93.846	MEDICAL COLLEGE OF GEORGIA	Role of Calpains in Plasma Membrane Repair	36,029
93.847	UNIVERSITY OF GEORGIA	Innate Cellular Lectin-Mediated Binding of Xenoantigens	8,839
93.855	UNIVERSITY OF TEXAS AT AUSTIN	Determinants of RNA Virus Evolution	87,098
93.866	VANDERBILT UNIVERSITY	Elderly Immune Response to Pneumococcal Polysaccharide	2,000
93.866	ARKANSAS CHILDREN'S HOSPITAL	Bone Loss with Aging Occurs Due to Increased PPAR-γ Activity in Marrow Stem Cells	1,996
93.994	TOLEDO HOSPITAL	Regional Comprehensive Genetic Services	22,391
93.994	ERIE COUNTY HEALTH DEPT	Women's Health Week IV	1,000
93.994	WILLIAMS COUNTY HEALTH DEPT	Women's Health Week IV	1,500
			\$ 3,913,180

University of Toledo

Schedule of Findings and Questioned Costs Year Ended June 30, 2010

Section I - Summary of Auditor's Results

Financial Statements

Type of auditor's report issued: Unqualified

Internal control over financial reporting:

- Material weakness(es) identified? Yes No
- Significant deficiency(ies) identified that are not considered to be material weaknesses? Yes None reported

Noncompliance material to financial statements noted? Yes No

Federal Awards

Internal control over major program(s):

- Material weakness(es) identified? Yes No
- Significant deficiency(ies) identified that are not considered to be material weaknesses? Yes None reported

Type of auditor's report issued on compliance for major program(s): Unqualified

Any audit findings disclosed that are required to be reported in accordance with Section 510(a) of Circular A-133? Yes No

Identification of major program(s):

CFDA Number(s)	Name of Federal Program or Cluster
84.003, 84.007, 84.030, 84.033, 84.375, 84.376, 84.379, 93.925, 84.268, 84.038, 93.342	Student Financial Aid Cluster
Various	Research and Development Cluster
84.394	State Fiscal Stabilization Fund Cluster
64.120	ROTC

Dollar threshold used to distinguish between type A and type B programs: \$2,078,209

Auditee qualified as low-risk auditee? Yes No

University of Toledo

Schedule of Findings and Questioned Costs (Continued) Year Ended June 30, 2010

Section II - Financial Statement Audit Findings

Reference Number	Findings
2010-01	<p>Finding Type - Significant deficiency</p> <p>Criteria - Only those individuals authorized by the University should enter into and sign contracts and notes.</p> <p>Condition - An individual in the athletic department signed a note on behalf of the University although the individual was not authorized to do so.</p> <p>Context - Incident occurred in the athletic department. Note was identified by controls in place within the University.</p> <p>Cause - Individual entered in to a note with a third party implying that the individual had the authorization to do so.</p> <p>Effect - The University was entered in to contract with the third party and debt was incurred.</p> <p>Recommendation - We recommend the University monitor current controls around note signing authorization.</p> <p>Views of Responsible Officials and Planned Corrective Actions - The University is in the process of updating its Signing Authority Policy to bring attention to the limits that exist on each member of the institution. In addition, the Office of General Counsel has agreed to not review contracts, agreements, notes, or other types of documents constituting obligations to pay submitted to them by any area other than Finance.</p> <p>Although the University hopes these preventive methods will significantly reduce the probably of a repeat occurrence, it will continue to require sufficient documentary evidence of the University's obligation to pay prior to processing a payment (this is how the executed note was discovered).</p>

University of Toledo

Schedule of Findings and Questioned Costs (Continued) Year Ended June 30, 2010

Section II - Financial Statement Audit Findings (Continued)

Reference Number	Findings
2010-02	<p>Finding Type - Significant deficiency</p> <p>Criteria - Accrued payroll, fringes and vacation should be calculated at year end and recorded as such to recognize expenses in the period in which they were incurred.</p> <p>Condition - Accrued payroll, fringes and vacation were over accrued at year end.</p> <p>Context - Accruals for payroll, fringes and vacation were overstated by approximately \$2,000,000.</p> <p>Cause - The calculation for accrued payroll, fringes and vacation was not reviewed for reasonableness by management.</p> <p>Effect - Accrued payroll, fringes and vacation were over accrued at year end on the statement of net assets and the statement of revenue and expenses.</p> <p>Recommendation - We would recommend management perform an independent review of the calculation of accrued payroll, fringes and vacation to ensure amounts reported on the financial statements are accurate.</p> <p>Views of Responsible Officials and Planned Corrective Actions - Management has established a process for review of the calculation each period.</p>

University of Toledo

Schedule of Findings and Questioned Costs (Continued) Year Ended June 30, 2010

Section III - Federal Program Audit Findings

Reference Number	Findings
	None