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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$2,061,333	DEPARTMENT OF ENERGY		401-25-01
93016	Operating and Management Support for the Ames Laboratory		
	11/1/08 to 9/30/10	RESEARCH	
	KING, ALEXANDER	AMES LABORATORY	
\$741,457	SMALL BUSINESS ADMINISTRATION		435-08-18
104083	Iowa Small Business Development Center FY2010 Small Business Administration Cooperative Agreement		
	10/1/09 to 9/30/10	EXTENSION/PUBLIC	
	HECKMANN, JAMES	SMALL BUSINESS DEVELOPMENT CENTER-BUS	
\$617,012	NATIONAL SCIENCE FOUNDATION		420-40-80
97619	The Functional Interactome of Cereals with the Fungal Biotroph, blumeria graminis		
	3/15/10 to 2/28/11	RESEARCH	
	WISE, ROGER	PLANT PATHOLOGY-CALS	
CO-PI	BOGDANOVE, ADAM	PLANT PATHOLOGY-CALS	
CO-PI	NETTLETON, DANIEL	STATISTICS-LAS	
CO-PI	DICKERSON, JULIE	ELECTRICAL & COMPUTER ENGINEERING-ENGR	
CO-PI	LESHEM-ACKERMAN, ADAH	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
\$500,000	IOWA DEPARTMENT OF TRANSPORTATION		474-17-73
106452	Development of a Structural Health Monitoring System to Evaluate Structural Capacity and Estimate Remaining Service Life for Bridges		
	3/1/10 to 2/28/15	RESEARCH	
	PHARES, BRENT	INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	WIPF, TERRY	CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$492,875	NATIONAL INSTITUTES OF HEALTH		430-28-10
81332	Exercise-induced Immunomodulation in the Aged: Mechanisms		
	3/1/10 to 2/28/11	RESEARCH	
	KOHUT, MARIAN	KINESIOLOGY	
CO-PI	WANNEMUEHLER, MICHAEL	VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE	
CO-PI	BUSS, JANICE	BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY	
CO-PI	YOON, KYOUNG-JIN	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE	
CO-PI	CUNNICK, JOAN	ANIMAL SCIENCE	

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\$492,875 NATIONAL INSTITUTES OF HEALTH 430-28-10

81332 Exercise-induced Immunomodulation in the Aged: Mechanisms

3/1/10 to 2/28/11 RESEARCH
CO-PI NETTLETON, DANIEL STATISTICS

\$458,616 DEPARTMENT OF DEFENSE, DLA 421-35-15

104774 Iowa Procurement Technical Assistance Center

4/1/10 to 3/31/11 EXTENSION/PUBLIC
BOGACZYK, DAVID CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT
CO-PI COX, RONALD CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT

\$443,945 NATIONAL INSTITUTES OF HEALTH 440-23-02

105094 Development of Pulmonary Immunocompetency: Focus on the Neonate

4/1/10 to 3/31/13 RESEARCH
SPONSELLER, BRETT VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
CO-PI ACKERMANN, MARK VETERINARY PATHOLOGY-VET

\$385,632 DEPARTMENT OF AGRICULTURE, NIFA 416-44-23

106448 Agricultural Trade Analysis, Center for Agricultural and Rural Development

7/1/10 to 6/30/12 RESEARCH
HAYES, DERMOT ECONOMICS-AES/CALS
CO-PI FABIOSA, JACINTO ECONOMICS-AES/CALS

\$376,160 IOWA DEPARTMENT OF TRANSPORTATION 474-77-26

106602 Implementation of a Pilot Continuous Monitoring System: Iowa Falls Arch Bridge

2/19/10 to 2/28/15 RESEARCH
PHARES, BRENT INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI WIPF, TERRY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

\$349,421 DEPARTMENT OF AGRICULTURE, NIFA 416-40-41

104178 The Physiological Basis of Differences in Efficiency, Metabolics, and Energy Partitioning Between Lines of Pigs Selected for Residual Feed Intake

4/1/10 to 3/31/13 RESEARCH
GABLER, NICHOLAS ANIMAL SCIENCE-AES/CALS

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$349,421 DEPARTMENT OF AGRICULTURE, NIFA

416-40-41

104178 The Physiological Basis of Differences in Efficiency, Metabolics, and Energy Partitioning Between Lines of Pigs Selected for Residual Feed Intake

4/1/10 to 3/31/13 RESEARCH

CO-PI DEKKERS, JACK ANIMAL SCIENCE-AES/CALS

CO-PI LONERGAN, STEVEN ANIMAL SCIENCE-AES/CALS

CO-PI PATIENCE, JOHN ANIMAL SCIENCE-AES/CALS

\$339,647 DEPARTMENT OF AGRICULTURE, NIFA

416-40-42

106416 Food and Agricultural Policy Research Institute (FAPRI)

7/1/10 to 6/30/12 RESEARCH

CO-PI HAYES, DERMOT ECONOMICS-AES/CALS

FABIOSA, JACINTO ECONOMICS-AES/CALS

\$266,500 UNIVERSITY OF NORTHERN IOWA

443-21-01

105836 Mathematics and Science Teachers for Iowa

6/1/09 to 5/15/14 RESEARCH

GREENBOWE, THOMAS CHEMISTRY-LAS

\$266,386 NATIONAL INSTITUTES OF HEALTH

430-46-26

98874 Strategies of Lentivirus Persistence

2/1/10 to 1/31/11 RESEARCH

CO-PI CARPENTER, SUSAN ANIMAL SCIENCE-AES/CALS

DORMAN, KARIN STATISTICS-LAS

\$250,000 NATIONAL SCIENCE FOUNDATION

420-61-33

104330 CAREER: A Computational Framework for Mapping Ligand Migration Channel Networks and Predicting Molecular Control Mechanisms

3/1/10 to 2/29/12 RESEARCH

SONG, GUANG COMPUTER SCIENCE-LAS

\$247,677 NATIONAL INSTITUTES OF HEALTH

430-23-29

85345 Modulation and Resistance of Levamisole Receptor Channels

1/1/10 to 12/31/10 RESEARCH

MARTIN, RICHARD BIOMEDICAL SCIENCES

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$230,000 NATIONAL SCIENCE FOUNDATION

420-61-57

104276 Uncovering Novel Signaling Interactions in Plant Metabolic Networks

4/1/10 to 3/31/11 RESEARCH

CO-PI WURTELE, EVE

GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS

CO-PI LI, LING

PLANT SCIENCES INSTITUTE-VPR/ED

CO-PI SEN, TANER

GENETICS, DEVELOPMENT & CELL BIOLOGY-AES/CALS

\$200,000 AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

421-20-39

92859 Design and Development of Novel Hierarchically Ordered Block Copolymer/Magnetoelectric Particle Nanocomposites

12/1/09 to 11/30/10 RESEARCH

CO-PI LIN, ZHIQUN

MATERIALS SCIENCE & ENGINEERING-ENGR

CO-PI AKINC, MUFIT

MATERIALS SCIENCE & ENGINEERING-ENGR

CO-PI TAN, XIAOLI

MATERIALS SCIENCE & ENGINEERING-ENGR

CO-PI BOWLER, NICOLA

MATERIALS SCIENCE & ENGINEERING-ENGR

\$196,839 NATIONAL INSTITUTES OF HEALTH

430-23-12

105761 Targeting GP41 to Elicit Neutralizing Antibodies Against HIV-1

9/16/09 to 4/30/10 RESEARCH

CHO, MICHAEL

BIOMEDICAL SCIENCES-VET

\$185,000 NATIONAL INSTITUTES OF HEALTH

430-46-08

99816 Development of a Novel Porcine Model of Duchenne Muscular Dystrophy

3/15/10 to 1/31/11 RESEARCH

CO-PI ROSS, JASON

ANIMAL SCIENCE-AES/CALS

CO-PI SELSBY, JOSHUA

ANIMAL SCIENCE-AES/CALS

\$184,818 DEPARTMENT OF THE AIR FORCE, AFOSR

421-21-05

86496 Theoretical Studies of Group IVA and Group IVB Chemistry

12/1/09 to 11/30/10 RESEARCH

GORDON, MARK

CHEMISTRY

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$181,703 DEPARTMENT OF AGRICULTURE, APHIS

412-05-35

106410 A Federal and State Transport Plan for Movement of Turkeys from Turkey Farms in a High Pathogenicity Avian Influenza Control Area to Processing Plants: A FAST Turkeys Plan
2/26/10 to 2/25/11 EXTENSION/PUBLIC
TRAMPEL, DARRELL VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
CO-PI ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

\$180,000 SPECTRAL ENERGIES, LLC

404-20-58

104904 Ultrafast Diagnostics for Novel Energetic Materials
1/1/10 to 12/31/11 RESEARCH
MEYER, TERRENCE MECHANICAL ENGINEERING-ENGR

\$162,383 DEPARTMENT OF EDUCATION

432-57-70

105118 Pell Grant, FY10
7/1/09 to 6/30/10 STUDENT FINANCIAL AID
JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA

\$162,264 ARMY CORPS OF ENGINEERS

421-20-42

106825 Water Quality Study, Saylorville Reservoir (Option Year 1)
3/1/10 to 12/31/10 RESEARCH
LUTZ, DONNA CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI ONG, SAY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

\$150,843 IOWA DEPARTMENT OF TRANSPORTATION

474-79-45

106194 Timber Abutment Piling and Back Wall Rehab and Repair
3/1/10 to 2/28/12 RESEARCH
PHARES, BRENT INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI WHITE, DAVID CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

\$150,000 DEFENSE THREAT REDUCTION AGENCY

421-20-37

96622 Search for New Highly Energetic Phases Under High Pressure and Shear
5/4/09 to 5/3/12 RESEARCH
LEVITAS, VALERY MECHANICAL ENGINEERING-ENGR

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$149,980	UNIVERSITY OF MISSOURI			410-40-91
106165	Effectiveness of Riparian Forest Buffers in Headwater Watersheds of the Western Corn Belt Ecoregion in Regulating Non-point Source Pollution			
	9/1/09 to 8/31/10	RESEARCH		
	SCHULTZ, RICHARD		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
CO-PI	ISENHART, THOMAS		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
\$148,000	NATIONAL INSTITUTES OF HEALTH			430-23-15
104088	Amygdalar Modulation of Processing in Auditory Cortex			
	3/1/10 to 2/28/11	RESEARCH		
	PETERSON, DIANA		BIOMEDICAL SCIENCES-VET	
\$142,258	UNIVERSITY OF CHICAGO			400-21-46
105224	The Virtue of Mercy: Religion, Philosophy, and Politics			
	3/1/10 to 2/29/12	RESEARCH		
	TUCKNESS, ALEX		POLITICAL SCIENCE-LAS	
\$135,000	NATIONAL SCIENCE FOUNDATION			420-25-26
96309	Novel Intermetallic Chemistry: Approximants, Quasicrystals, and Rare-earth Metal-rich Systems			
	5/15/09 to 4/30/11	RESEARCH		
	CORBETT, JOHN		CHEMISTRY-LAS	
\$121,122	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH			421-20-21
92727	On the Simulation of Free Flight Vortices in Ground Test Facilities			
	12/1/09 to 12/30/10	RESEARCH		
	HU, HUI		AEROSPACE ENGINEERING-ENGR	
CO-PI	DURBIN, PAUL		AEROSPACE ENGINEERING-ENGR	
\$118,554	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH			421-20-33
94450	A Unifying High-order Method for the Navier-Stokes Equations on Hybrid Unstructured Meshes			
	12/1/09 to 11/30/10	RESEARCH		
	WANG, ZHI		AEROSPACE ENGINEERING-ENGR	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$104,936	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH			421-20-15
95706	Bio-inspired Integrated Sensing and Control of Flapping Flight for Micro Aerial Vehicles			
	2/15/09 to 11/30/10	RESEARCH		
	LU, PING		AEROSPACE ENGINEERING-ENGR	
\$100,000	DEPARTMENT OF ENERGY			401-20-03
80641	Industrial Assessment Center			
	9/1/06 to 8/31/11	RESEARCH		
	MAXWELL, GREGORY		MECHANICAL ENGINEERING	
CO-PI	PETERS, FRANK		INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING	
CO-PI	NELSON, RON		MECHANICAL ENGINEERING	
\$98,928	NATIONAL SCIENCE FOUNDATION			420-71-05
104385	CAREER: Advanced Decision Procedures for Words, Trees and Lists			
	3/15/10 to 2/28/11	RESEARCH		
	ZHANG, TING		COMPUTER SCIENCE-LAS	
\$98,354	ARMY CORPS OF ENGINEERS			421-20-41
106830	Water Quality Study, Red Rock Reservoir (Option Year 1)			
	3/1/10 to 12/31/10	RESEARCH		
	LUTZ, DONNA		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	ONG, SAY		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
\$94,104	AMERICAN EGG BOARD			400-40-66
105547	Effects of Long-term Supplementation of Laying-hen Diets with High Concentrations of Cholecalciferol on Egg Yolk Vitamin D Concentration, Egg Quality, Hen Performance and Hen Health			
	12/31/09 to 12/30/11	RESEARCH		
	PERSIA, MICHAEL		ANIMAL SCIENCE-AES/CALS	
CO-PI	WANG, TONG		FOOD SCIENCE & HUMAN NUTRITION-AES/CALS	
CO-PI	LAMONT, SUSAN		ANIMAL SCIENCE-AES/CALS	
CO-PI	BEITZ, DONALD		ANIMAL SCIENCE-AES/CALS	
CO-PI	XIN, HONGWEI		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	

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\$93,411	UNIVERSITY OF MARYLAND			404-20-12
91303	Fuselage Configuration Effects on Rotorwash and Brownout			
	8/1/08 to 12/31/10	RESEARCH		
	RAJAGOPALAN, R.		AEROSPACE ENGINEERING	
\$92,335	DEPARTMENT OF INTERIOR, GEOLOGICAL SURVEY			424-17-06
106318	Iowa Water Center Annual Base Program 104(b)			
	3/1/10 to 2/28/11	RESEARCH		
	CRUSE, RICHARD		AGRONOMY-AES/CALS	
\$90,000	ARIZONA STATE UNIVERSITY			404-20-56
98201	Power System Operation and Planning for Enhanced Wind Generation Penetration—Work Force Development			
	12/1/09 to 11/30/11	RESEARCH		
	MCCALLEY, JAMES		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
CO-PI	AJJARAPU, VENKATARAMANA		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
CO-PI	ALIPRANTIS, DIONYSIOS		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$84,000	PURDUE UNIVERSITY			404-20-23
91353	Spray and Combustion of Gelled Hypergolic Propellants			
	6/1/08 to 5/31/11	RESEARCH		
	MEYER, TERRENCE		MECHANICAL ENGINEERING	
\$82,750	AMERICAN SEED TRADE ASSOCIATION			410-40-51
106054	Review of the National Seed Health System Standard Method for Detection of <i>pantoea stewartii</i> and Investigation of New <i>pantoea</i> Strains from Tropical Regions			
	9/1/09 to 9/30/11	RESEARCH		
	MUNKVOLD, GARY		PLANT PATHOLOGY-AES/CALS	
\$81,249	NATIONAL SCIENCE FOUNDATION			420-61-03
90177	Collaborative Research: Oxidative Stress, Telomere Dynamics and Aging in a Free-living Organism			
	4/1/08 to 3/31/11	RESEARCH		
	VLECK, CAROL		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY	
CO-PI	VLECK, DAVID		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$76,427	SOUTHERN ILLINOIS UNIVERSITY				400-42-44
106703	Application of Biotechnology to Control of the Soybean Cyst Nematode Subgroup: Soybean Resistance Genes				
	3/16/10 to 9/30/10	RESEARCH			
	CIANZIO, SILVIA		AGRONOMY-AES/CALS		
\$75,000	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH				421-21-16
92699	Potential Energy Surfaces and Dynamics for Energetic Ionic Liquids				
	12/1/09 to 11/30/10	RESEARCH			
	GORDON, MARK		CHEMISTRY-LAS		
\$73,585	DEPARTMENT OF INTERIOR, GEOLOGICAL SURVEY				424-40-25
98603	Missouri River Mitigation: Iowa Wetland Restoration Functional Assessment				
	6/4/09 to 4/30/11	RESEARCH			
	OTIS, DAVID		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS		
	CO-PI KOFORD, ROLF		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS		
\$73,153	AMANA FARMS				400-30-71
104044	Optimization of the Amana Farm Digester and Development of Educational Programming				
	8/1/09 to 7/31/11	EXTENSION/PUBLIC			
	BURNS, ROBERT		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS		
	CO-PI MOODY, LARA		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS		
\$71,263	RUSH UNIVERSITY MEDICAL CENTER				404-17-20
91295	Reducing Risk for Children of Mexican Immigrant Mothers: Adapting a Mother-child Communication Program				
	8/6/08 to 7/31/10	RESEARCH			
	MELBY, JANET		HUMAN DEVELOPMENT & FAMILY STUDIES		
\$64,908	DEPARTMENT OF EDUCATION				432-57-67
105116	National Science and Mathematics Access to Retain Talent (SMART) Grant, FY10				
	7/1/09 to 6/30/10	STUDENT FINANCIAL AID			
	JOHNSON, ROBERTA		STUDENT FINANCIAL AID-VPSA		

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$61,954	NAVAL POSTGRADUATE SCHOOL			421-21-02
99564	Application of Prediction Markets to Cost Estimation of Weapon Systems			
	2/24/10 to 2/23/11	RESEARCH		
	POTOSKI, MATTHEW		POLITICAL SCIENCE-LAS	
\$57,000	VIETNAM EDUCATION FOUNDATION			428-18-39
104843	Vietnam Education Foundation Fellowship Program			
	8/1/09 to 7/31/14	FELLOWSHIP		
	HOLGER, DAVID		GRADUATE COLLEGE-PROV	
\$50,000	UNIVERSITY OF TEXAS, DALLAS			400-20-22
91504	Robust Design of Low Power Small Area Data Converters in Low Voltage Digital Processes			
	8/1/09 to 7/31/10	RESEARCH		
	GEIGER, RANDALL		ELECTRICAL & COMPUTER ENGINEERING	
\$50,000	COLUMBIA UNIVERSITY			404-20-65
99793	Collaborative Research: Ultrafast Laser Characterization and Nanostructuring of Microphotonic Sensors			
	10/1/05 to 9/30/12	RESEARCH		
	MOLIAN, PALANIAPPA		MECHANICAL ENGINEERING-ENGR	
\$50,000	CORESLAB STRUCTURES, INC			404-17-25
105503	Structural Characterization of a UHPC Waffle Bridge Deck and Its Connection			
	10/15/09 to 4/15/11	RESEARCH		
	SRITHARAN, SIVALINGAM		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	ROUSE, JON		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	WIPF, TERRY		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
\$50,000	IOWA DEPARTMENT OF TRANSPORTATION			474-77-49
106099	Traffic Safety Liaison Program for 2010-2011			
	3/1/08 to 2/28/11	RESEARCH		
	SPERRY, ROBERT		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	

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\$48,380	NATIONAL INSTITUTES OF HEALTH	430-46-26
98874	Strategies of Lentivirus Persistence	
	2/1/10 to 1/31/11 RESEARCH	
	CO-PI CARPENTER, SUSAN ANIMAL SCIENCE-AES/CALS	
	DORMAN, KARIN STATISTICS-LAS	
\$47,180	IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT	478-08-01
106281	Disaster Loan Assistance	
	7/29/09 to 7/28/10 EXTENSION/PUBLIC	
	HECKMANN, JAMES BUSINESS ADMINISTRATION-BUS	
\$47,108	FLORIDA STATE UNIVERSITY	404-17-15
90599	Taking the Lead in Community Wellness: Improving Dietary Behaviors of Mid-life and Older African Americans	
	6/3/08 to 1/31/11 RESEARCH	
	WICKRAMA, K. HUMAN DEVELOPMENT & FAMILY STUDIES	
\$46,930	DEPARTMENT OF AGRICULTURE, FS	412-45-41
105181	Distribution and Intensification of Bur Oak Blight in Iowa and the Midwest	
	1/1/10 to 12/31/10 RESEARCH	
	HARRINGTON, THOMAS PLANT PATHOLOGY-AES/CALS	
\$46,485	AMERICAN EGG BOARD	400-40-69
106035	Characterizing the Carbon Footprint of U.S. Egg Production Using Life Cycle Assessment	
	1/1/10 to 12/31/10 RESEARCH	
	CO-PI XIN, HONGWEI AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
	IBARBURU-BLANC, MARO ANIMAL SCIENCE-AES/CALS	
\$45,000	PACIFIC NORTHWEST NATIONAL LABORATORY	404-40-74
105593	Perform Numerical Simulations	
	2/18/10 to 9/30/10 RESEARCH	
	EWING, ROBERT AGRONOMY-AES/CALS	

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\$42,500	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION			422-21-06
99338	Intermediate Mass Star Formation—Bridging High and Low-mass Regimes			
	1/1/10 to 12/31/12	RESEARCH		
	KERTON, CHARLES		PHYSICS & ASTRONOMY-LAS	
\$41,492	NORTH DAKOTA STATE UNIVERSITY			410-40-64
96893	Cover Crop Selection and Use in No-till Organic Farming			
	9/1/09 to 8/31/12	RESEARCH		
	DELATE, KATHLEEN		AGRONOMY-CALS	
\$40,366	NATIONAL SCIENCE FOUNDATION			420-71-02
105440	CAREER: On Mutualism of Modularity and Concurrency Goals			
	7/1/09 to 6/30/10	RESEARCH		
	RAJAN, HRIDESH		COMPUTER SCIENCE-LAS	
\$40,000	ROBYT, JOHN			400-21-01
104669	Chemical and Enzymatic Modification and Carbohydrates			
	7/1/09 to 6/30/99	RESEARCH		
	HONZATKO, RICHARD		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS	
\$39,991	MINNESOTA DEPARTMENT OF TRANSPORTATION			400-17-54
105582	Pavement Marking Performance Under Challenging Pavement Surface Conditions—Chip Seals, Seal Coat, and Micro-surfacing			
	3/1/10 to 10/31/11	RESEARCH		
	HAWKINS, NEAL		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	SMADI, OMAR		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$37,897	DYNAPULSE, LLC			400-20-48
105296	Characterization of Effects of Pulse Magnetic Treatment for Treating Conductive Material for Power Transmission and Related Application			
	12/1/09 to 12/1/11	RESEARCH		
	MINA, MANI		ELECTRICAL & COMPUTER ENGINEERING-ENGR	

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\$35,000	ARIZONA STATE UNIVERSITY			400-20-57
105710	Power Systems Engineering Research Center (PSERC) Administrative Fund, IUCRC			
	2/16/07 to 12/31/99	RESEARCH		
	MCCALLEY, JAMES		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$35,000	IOWA DEPARTMENT OF TRANSPORTATION			474-77-08
106238	Safety and Mobility Impacts of Winter Weather			
	2/15/10 to 2/28/11	RESEARCH		
	HANS, ZACHARY		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	HAWKINS, NEAL		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$30,073	DUCKS UNLIMITED INSTITUTE FOR WETLAND AND WATERFOWL RESEARCH			400-42-33
93486	Muskrat Population Dynamics in the Summerberry Marshes, Manitoba			
	4/1/08 to 5/31/11	RESEARCH		
	CLARK, WILLIAM		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-CALS	
\$30,000	COMMUNITY FOUNDATION OF GREATER DUBUQUE			400-44-19
104749	Northeast Iowa Food and Fitness Initiative: Evaluation Strategies Proposal, Iowa State University Community Change Planning and Facilitation Team			
	11/1/09 to 10/31/10	RESEARCH		
	EMERY, MARY		SOCIOLOGY-AES/CALS	
CO-PI	FLORA, CORNELIA		SOCIOLOGY-AES/CALS	
\$30,000	IOWA DEPARTMENT OF TRANSPORTATION			474-21-08
106886	Redevelopment of the Safety Analysis, Visualization, and Exploration Resource (SAVER)			
	10/1/07 to 5/31/11	RESEARCH		
	MITRA, SIMANTA		COMPUTER SCIENCE-LAS	
\$30,000	CITY OF SOUTH SIOUX CITY			400-07-06
106943	South Sioux City Sleeping Cabins 2010			
	2/1/10 to 6/30/10	INSTRUCTION/TRAINING		
	BASSLER, BRUCE		ARCHITECTURE-DSN	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$28,403 MINNESOTA DEPARTMENT OF TRANSPORTATION

400-17-55

106242 Traffic Safety Analysis Software State of the Art

3/12/10 to 2/28/11 RESEARCH

CO-PI SOULEYRETTE, REGINALD CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI HANS, ZACHARY INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

\$28,398 IOWA DEPARTMENT OF TRANSPORTATION

474-17-54

105245 Traffic Monitoring with Video Detection Equipment

5/20/98 to 12/31/11 RESEARCH

CO-PI HAWKINS, NEAL INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI SMADI, OMAR INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

\$28,327 OAK RIDGE NATIONAL LABORATORY

401-25-08

106184 Formation Mechanisms and Optical Properties of Low-dimensional Materials

4/20/09 to 1/31/11 RESEARCH

CO-PI HO, KAI-MING PHYSICS & ASTRONOMY-LAS
CO-PI WANG, CAI-ZHUANG AMES LABORATORY DOE-VPR/ED

\$28,000 PRATT & WHITNEY

400-65-06

107027 Phased Array Inspection of Billet

2/26/10 to 4/30/10 RESEARCH

CO-PI BRASCHE, LISA CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
CO-PI MEEKER, WILLIAM STATISTICS-LAS
CO-PI GRAY, TIMOTHY CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED

\$26,015 NATIONAL INSTITUTES OF HEALTH

430-21-36

81059 Regulation of Chromatin Structure and Gene Expression

1/1/10 to 12/31/10 RESEARCH

CO-PI JOHANSEN, KRISTEN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY
CO-PI JOHANSEN, JORGEN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY
CO-PI GIRTON, JACK BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$25,473	ILLINOIS INSTITUTE OF TECHNOLOGY				404-20-50
98429	Multivariable Closed-loop Technologies for Physically Active Young Adults with Type 1 Diabetes				
	9/30/09 to 8/31/10	RESEARCH			
	ROLLINS, DERRICK		CHEMICAL & BIOLOGICAL ENGINEERING-ENGR		
\$25,000	IOWA DEPARTMENT OF TRANSPORTATION				474-77-02
106231	Horizontal Curve Identification and Evaluation				
	2/1/10 to 1/31/11	RESEARCH			
	HANS, ZACHARY		INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	SOULEYRETTE, REGINALD		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR		
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED		
\$25,000	IOWA DEPARTMENT OF TRANSPORTATION				474-77-17
106686	Sign Management System for the Iowa Department of Transportation				
	4/1/05 to 12/31/10	RESEARCH			
	HAWKINS, NEAL		INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	SMADI, OMAR		INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED		
\$25,000	IOWA DEPARTMENT OF TRANSPORTATION				474-77-99
106761	Planning, Developing, and Implementation of the Iowa Pavement Marking Management Program Phase IV				
	4/1/05 to 12/31/11	RESEARCH			
	HAWKINS, NEAL		INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	SMADI, OMAR		INSTITUTE FOR TRANSPORTATION-VPR/ED		
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED		
\$25,000	ALLIANT ENERGY				400-20-70
106811	Alliant Energy EPRC Support				
	1/1/10 to 12/31/10	RESEARCH			
	BAIRD, TOM		ELECTRICAL & COMPUTER ENGINEERING-ENGR		

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$23,713	NATIONAL INSTITUTES OF HEALTH	430-21-05
87415	Regulations of SNARE-dependent Membrane Fusion	
	12/1/09 to 11/30/10 RESEARCH	
	SHIN, YEON-KYUN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY	
\$23,000	DEPARTMENT OF EDUCATION	432-57-68
105117	Teacher Education Assistance for College and Higher Education (TEACH) Grant, FY10	
	7/1/09 to 6/30/10 STUDENT FINANCIAL AID	
	JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA	
\$22,468	INSTITUTE FOR CHARACTER DEVELOPMENT	400-28-35
105392	Program Evaluation of Iowa Character Counts! Research Initiative	
	11/1/09 to 11/30/10 RESEARCH	
	GALLOWAY, ROBIN RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS	
CO-PI	KEMIS, MARI RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS	
\$20,000	DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER	428-23-13
84162	Growth Factor Treatment of Visual Loss in Compressive Optic Nerve Injury	
	3/16/10 to 3/26/10 RESEARCH	
	GROZDANIC, SINISA VETERINARY CLINICAL SCIENCES	
	GROZDANIC, SINISA VETERINARY CLINICAL SCIENCES	
CO-PI	SAKAGUCHI, DONALD GENETICS, DEVELOPMENT & CELL BIOLOGY	
CO-PI	SAKAGUCHI, DONALD GENETICS, DEVELOPMENT & CELL BIOLOGY	
\$20,000	INVOCON, INC	404-25-03
92666	Detection of Pressure Vessel Breach in Manned Spacecraft Using Leak-generated, Structure-borne Noise, Phase II	
	8/15/08 to 8/13/10 RESEARCH	
	CHIMENTI, DALE AEROSPACE ENGINEERING-ENGR	
CO-PI	ROBERTS, RONALD AEROSPACE ENGINEERING-ENGR	
CO-PI	HOLLAND, STEPHEN AEROSPACE ENGINEERING-ENGR	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$17,923	IOWA NATIONAL GUARD			478-30-70
106946	Agribusiness Development Team Training and Sustainment			
	3/3/10 to 7/1/11	EXTENSION/PUBLIC		
	LAWRENCE, JOHN		EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT	
CO-PI	MILLER, GERALD		AGRONOMY-EXT	
\$16,000	WEST CENTRAL COOPERATIVE			404-20-46
106682	Plastics Dissolution in Biofuels			
	11/1/09 to 2/26/10	RESEARCH		
	MALLAPRAGADA, S.		CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
CO-PI	NARASIMHAN, BALAJI		CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
\$15,270	IOWA DEPARTMENT OF EDUCATION			472-30-05
98740	2009 Team Nutrition Training Grant			
	10/1/09 to 9/30/10	EXTENSION/PUBLIC		
	STROHBEHN, CATHERINE		APPAREL, EDUCATIONAL STUDIES & HOSPITALITY MANAGEMENT-HS	
\$15,000	NATIONAL SCIENCE FOUNDATION			420-60-02
105076	Collaborative Research: PSERC Collaborative Proposal for Phase III Industry University Cooperative Research Center Program			
	3/1/10 to 2/28/11	RESEARCH		
	MCCALLEY, JAMES		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$15,000	DEERE & COMPANY			400-17-29
106315	NSF I/UCRC Center for Information Protection—Deere			
	1/1/10 to 12/31/10	RESEARCH		
	JACOBSON, DOUG		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$15,000	IOWA DEPARTMENT OF NATURAL RESOURCES			473-30-43
106979	Forest Stewardship Programs 2010			
	2/15/10 to 1/15/11	EXTENSION/PUBLIC		
	RANDALL, JESSE		NATURAL RESOURCE ECOLOGY & MANAGEMENT-EXT	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$13,088	UNIVERSITY OF ILLINOIS			404-20-52
96988	Biochemical, Biomechanical and Morphological Properties of Quantitative Ultrasound			
	9/20/09 to 8/31/10	RESEARCH		
	BIGELOW, TIMOTHY		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$13,046	UNIVERSITY OF MINNESOTA			410-40-65
99530	Mitigation Monitoring and Microbial Assessment of Gas-phase Biofilters and Extension Outreach			
	2/15/10 to 2/14/13	RESEARCH		
	HARMON, JAY		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	HOFF, STEVEN		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
\$13,011	PORTLAND STATE UNIVERSITY			404-21-92
106178	A Corpus Linguistics Approach for Assessing Student and Workplace Writing in Civil Engineering			
	2/1/10 to 1/31/11	RESEARCH		
	HEGELHEIMER, VOLKER		ENGLISH-LAS	
\$13,000	CORNELL UNIVERSITY			410-40-46
97826	Cultural Practices to Improve Fruit Quality and Vine Performance of Commercially Viable Wine Grape Cultivars in the Midwest			
	9/1/09 to 8/31/10	RESEARCH		
	NONNECKE, GAIL		HORTICULTURE-CALS	
CO-PI	VOS, RANDALL		HORTICULTURE-CALS	
\$10,675	IOWA DEPARTMENT OF TRANSPORTATION			474-21-03
99393	Do Fire and Seed Additions Alter Strong Effects of Cover Crops, Seed Timing, and Priority Effects on Prairie Establishment?			
	7/22/09 to 12/31/10	RESEARCH		
	WILSEY, BRIAN		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
CO-PI	MARTIN, LEANNE		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
\$10,399	APC, INC			400-75-46
106972	Modifying Current Laboratory Methods for Rapid Determination of Colostral IgG Concentration and Colostral IgG Absorption in the Neonate			
	3/1/10 to 2/28/11	RESEARCH		
	TYLER, HOWARD		ANIMAL SCIENCE-AES/CALS	
CO-PI	MUFF, BRIAN		INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VP	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$10,000	MICHAEL GARTNER			400-14-04
106523	Emergency Aid Fund			
	1/5/09 to 1/5/20	STUDENT FINANCIAL AID		
	JOHNSON, ROBERTA	STUDENT FINANCIAL AID-VP		
\$9,997	UNIVERSITY OF MINNESOTA			410-40-12
97758	Farming for Ecosystem Services: Visualization of Alternative Working Landscapes			
	9/1/09 to 8/31/11	RESEARCH		
	SCHULTE, LISA	NATURAL RESOURCE ECOLOGY & MANAGEMENT-CALS		
CO-PI	LARSEN, DRAKE	NATURAL RESOURCE ECOLOGY & MANAGEMENT-CALS		
\$7,776	IOWA AGRICULTURAL DEVELOPMENT AUTHORITY			478-30-69
107132	2010 Iowa Agricultural Youth Institute			
	1/1/10 to 8/1/10	EXTENSION/PUBLIC		
	LEVINGS, JUDITH	EXTENSION 4-H YOUTH DEVELOPMENT-EXT		
\$7,689	DEPARTMENT OF INTERIOR, GEOLOGICAL SURVEY			424-40-01
104807	Occurrence and Abundance of Topeka Shiners in Restored Off-channel Habitats in Central Iowa Streams			
	3/9/10 to 12/31/10	RESEARCH		
	PIERCE, CLAY	NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS		
CO-PI	QUIST, MICHAEL	NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS		
\$6,050	GRINNELL CHAMBER OF COMMERCE			400-28-38
106940	Main Street Makeover and Consulting Projects, Spring 2010			
	1/11/10 to 7/1/10	INSTRUCTION/TRAINING		
	NIEHM, LINDA	APPAREL, EDUCATIONAL STUDIES & HOSPITALITY MANAGEMENT-HS		
CO-PI	FIORE, ANN	APPAREL, EDUCATIONAL STUDIES & HOSPITALITY MANAGEMENT-HS		
\$5,597	MENDEL BIOTECHNOLOGY, INC			400-17-43
93033	Miscanthus Field Trial with additional funds			
	2/28/08 to 2/1/12	RESEARCH		
	FALES, STEVEN	AGRONOMY-CALS		

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$5,063	COMMUNITY FOUNDATION OF GREATER DUBUQUE	400-30-12
105467	Local Support for Iowa AmeriCorps State of Promise Program	
	9/1/09 to 8/31/10 EXTENSION/PUBLIC	
	BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$5,062	LUTHERAN SERVICES IN IOWA	400-30-12
105292	Local Support for Iowa AmeriCorps State of Promise Program	
	9/1/09 to 8/31/10 EXTENSION/PUBLIC	
	BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$4,499	IOWA DEPARTMENT OF NATURAL RESOURCES	473-21-03
104495	Phase 1 Archaeological Survey	
	7/1/09 to 6/30/10 EXTENSION/PUBLIC	
	HILL, MATTHEW ANTHROPOLOGY-LAS	
\$3,880	IOWA DEPARTMENT OF PUBLIC HEALTH	478-30-71
106932	MCH 1-800 Healthy Families/Teenline, Amendment #1–School Ready Materials	
	10/1/09 to 5/31/10 EXTENSION/PUBLIC	
	WARNING, JEANNE EXTENSION TO FAMILIES-EXT	
	CO-PI VANGINKEL, MARGARET EXTENSION TO FAMILIES-EXT	
\$3,375	ADAIR COUNTY EXTENSION	400-30-12
105429	Local Support for Iowa AmeriCorps State of Promise Program	
	9/1/09 to 8/31/10 EXTENSION/PUBLIC	
	BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$1,813	DAVENPORT COMMUNITY SCHOOL DISTRICT	400-30-12
105740	Local Support for Iowa Americorps State of Promise Program	
	9/1/09 to 8/31/10 EXTENSION/PUBLIC	
	BROSHAR, DONNIE EXTENSION 4-H YOUTH DEVELOPMENT-EXT	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$844 CERRO GORDO COUNTY EXTENSION

400-30-12

105419 Local Support for Iowa AmeriCorps State of Promise Program

9/1/09 to 8/31/10 EXTENSION/PUBLIC

BROSHAR, DON

EXTENSION 4-H YOUTH DEVELOPMENT-EXT

\$566 BLACK HAWK COUNTY ENGINEER

400-61-61

106865 Phase 1a Archaeological Survey

2/5/10 to 6/30/10 EXTENSION/PUBLIC

HILL, MATTHEW

ANTHROPOLOGY-LAS