

**II. Gifts, Grants, Contracts, and Memoranda of Agreement**

Calendar Year: 2014  
Month: Apr

Award Count: 105  
Award Total: \$15,142,176

Award Amount	Sponsor	Award Title	PI	Lead Org Unit	Lead Org Dept	Award Number	Activity Type	Start Date	End Date	Award Register Date	Account
\$1,406,027	NSF-NATIONAL SCIENCE FOUNDATION	SURFACE LIPID METABOLOME ON MAIZE SILKS- GENETIC REGULATION AND PROTECTIVE CAPACITY AGAINST ABIOTIC AND BIOTIC STRESSES	NELSON, MARNA DARLENE	AG EXPERIMENT STATION	BIOCHEMISTRY & BIOPHYSICS	011977-00001	Research	4/15/2014	3/31/2018	APR. 2014	4204003
\$822,500	NORTH CAROLINA STATE UNIVERSITY	DAIRY RECORDS MANAGEMENT SYSTEM	HOGBERG, MAYNARD GORDON	UNIVERSITY & COOPERATIVE EXTENSION	ANIMAL SCIENCE	011964-00001	Public Service	5/1/2014	4/30/2015	APR. 2014	4003916
\$790,502	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	INTEGRATING HUMAN BEHAVIORAL & AGRONOMIC PRACTICES TO IMPROVE FOOD SECURITY BY REDUCING THE RISK AND CONSEQUENCES OF HERBICIDE-RESISTANT WEEDS	OWEN, MICHEAL D	AG EXPERIMENT STATION	AGRONOMY	011972-00001	Research	4/15/2014	4/14/2017	APR. 2014	4164107
\$753,475	SBA-US SMALL BUSINESS ADMINISTRATION	IOWA SMALL BUSINESS DEVELOPMENT CENTER FY2014 SBA COOPERATIVE AGREEMENT	BAIR, HOWARD IRWIN	COLLEGE OF BUSINESS	SMALL BUSINESS DEVELOPMENT CENTER	010955-00001	Public Service	10/1/2013	9/30/2014	APR. 2014	4350802
\$500,000	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	THE PHYSIOLOGICAL IMPACT OF HEAT STRESS ON PIG METABOLISM AND PERFORMANCE	BAUMGARD, LANCE HALL	AG EXPERIMENT STATION	ANIMAL SCIENCE	005462-00001	Research	1/15/2011	1/14/2015	APR. 2014	4164065
\$493,458	NSF-NATIONAL SCIENCE FOUNDATION	JOINT NSF/ERA-CAPS: HOST TARGETS OF FUNGAL EFFECTORS AS KEYS TO DURABLE	BAUM, THOMAS J	AG EXPERIMENT STATION	PLANT PATHOLOGY	011921-00001	Research	4/1/2014	3/31/2018	APR. 2014	4204002

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		DISEASE RESISTANCE									
\$484,465	NIH-NATIONAL INSTITUTE OF ALLERGY & INFECTIOUS DISEASES (NIAID)	DISSECTING THE STRUCTURE AND FUNCTION OF THE PDU MICROCOMPARTMENT IN SALMONELLA	BOBIK, THOMAS A	AG EXPERIMENT STATION	BIOCHEMISTRY & BIOPHYSICS	008171-00001	Research	5/1/2012	4/30/2015	APR. 2014	4304001
\$480,000	DOE-US DEPARTMENT OF ENERGY	INVESTIGATIONS IN EXPERIMENTAL AND THEORETICAL HIGH ENERGY PHYSICS	COCHRAN, JAMES	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	010591-00001	Research	5/1/2013	3/31/2015	APR. 2014	4012128
\$345,802	DOE-US DEPARTMENT OF ENERGY	OPERATING AND MANAGEMENT SUPPORT FOR THE AMES LABORATORY	LOGRASSO, THOMAS A	AMES LABORATORY	AMES LABORATORY	004881-00001	Research	1/1/1981	12/31/2016	APR. 2014	4012501
\$335,640	UNIVERSITY OF DELAWARE	ADAPTING CHICKEN PRODUCTION TO CLIMATE CHANGE THROUGH BREEDING	LAMONT, SUSAN J	AG EXPERIMENT STATION	ANIMAL SCIENCE	007011-00001	Research	4/1/2011	3/31/2015	APR. 2014	4104079
\$325,920	NIH-NATIONAL INSTITUTE OF ALLERGY & INFECTIOUS DISEASES (NIAID)	CHOLINERGIC RECEPTORS AS TARGETS FOR ACCELERATED ANTHELMINTIC DRUG DISCOVERY	KIMBER, MICHAEL JOHN	COLLEGE OF VETERINARY MEDICINE	BIOMEDICAL SCIENCES	004431-00001	Research	5/15/2011	4/30/2015	APR. 2014	4302318
\$319,098	NIH-NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES (NIEHS)	MECHANISMS OF MANGANESE NEUROTOXICITY	KANTHASAMY, ANUMANTHA G	VP FOR RESEARCH	ICAN (IA CTR FOR ADV NEUROTOX)	005497-00001	Research	8/11/2011	3/31/2015	APR. 2014	4301708
\$316,052	NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS & STROKE (NINDS)	OXIDATIVE STRESS INDUCED COMPENSATORY PROTECTIVE MECHANISMS IN PARKINSON'S DISEASE	KANTHASAMY, ANUMANTHA G	VP FOR RESEARCH	ICAN (IA CTR FOR ADV NEUROTOX)	005964-00001	Research	6/1/2011	3/31/2015	APR. 2014	4301721

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\$304,636	SABIC PETROCHEMICALS BV	DEVELOPMENT OF A COMPUTATIONAL FLUID DYNAMIC MODEL FOR LARGE-SCALE THREE-PHASE STIRRED TANK REACTORS	PASSALACQUA, ALBERTO	COLLEGE OF ENGINEERING	MECHANICAL ENGINEERING	011947-00001	Research	3/31/2014	3/31/2016	APR. 2014	4006094
\$291,000	DOE-US DEPARTMENT OF ENERGY	RELATIVISTIC HEAVY ION PHYSICS	HILL, JOHN C	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	006971-00001	Research	11/15/1991	11/14/2014	APR. 2014	4012109
\$280,985	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS)	REGULATION OF SNARE-DEPENDENT VESICLE FUSION	SHIN, YEON-KYUN	COLLEGE OF LIBERAL ARTS & SCIENCES	BIOCHEMISTRY & BIOPHYSICS	005508-00001	Research	5/1/2012	4/30/2015	APR. 2014	4302117
\$250,000	NSF-NATIONAL SCIENCE FOUNDATION	COLLABORATIVE RESEARCH: CHARACTERIZATION, MODELING AND UNCERTAINTY ANALYSIS OF TORNADO WIND AND ITS EFFECTS ON BUILDINGS	SARKAR, PARTHA PRATIM	COLLEGE OF ENGINEERING	AEROSPACE ENGINEERING	011943-00001	Research	6/1/2014	5/31/2017	APR. 2014	4206262
\$247,255	DOD-AIR FORCE OFFICE OF SCIENTIFIC RESEARCH (AFOSR)	HYBRID FS/PS CARS AND QUASI-CONTINUOUS BURST-MODE IMAGING FOR INVESTIGATING TURBULENT COMBUSTION DYNAMICS	MEYER, TERRENCE	COLLEGE OF ENGINEERING	MECHANICAL ENGINEERING	005096-00001	Research	4/15/2012	4/14/2015	APR. 2014	4212029
\$240,770	UNIVERSITY OF MISSOURI COLUMBIA	NATIONAL PROGRAM FOR GENETIC IMPROVEMENT OF FEED EFFICIENCY IN BEEF CATTLE	HANSEN, STEPHANIE L	AG EXPERIMENT STATION	ANIMAL SCIENCE	008071-00001	Research	4/1/2011	3/31/2015	APR. 2014	4104013

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\$238,997	NSF-NATIONAL SCIENCE FOUNDATION	ROLE OF RNS2 IN RIBOSOME RECYCLING VIA RIBOPHAGY	MACINTOSH, GUSTAVO	COLLEGE OF LIBERAL ARTS & SCIENCES	BIOCHEMISTRY & BIOPHYSICS	007017-00001	Research	4/1/2011	3/31/2015	APR. 2014	4206116
\$224,991	IOWA DEPARTMENT OF NATURAL RESOURCES	ADAPTIVE MANAGEMENT IN WORKING LANDSCAPES TO PROVIDE HABITAT FOR SPECIES OF GREATEST CONSERVATION NEED	DEBINSKI, DIANE M	AG EXPERIMENT STATION	ECOLOGY, EVOLUTION & ORG BIOLOGY	011916-00001	Research	11/15/2013	3/30/2017	APR. 2014	4734057
\$210,086	IOWA DEPARTMENT OF NATURAL RESOURCES	SILVER LAKE (PALO ALTO COUNTY) RESTORATION DIAGNOSTIC AND FEASIBILITY STUDY	DOWNING, JOHN ASHLEY	AG EXPERIMENT STATION	ECOLOGY, EVOLUTION & ORG BIOLOGY	011978-00001	Research	4/1/2014	4/30/2016	APR. 2014	4734403
\$195,899	RTI INTERNATIONAL	PROMOTING SCHOOL COMMUNITY UNIVERSITY PARTNERSHIPS TO ENHANCE RESILIENCE (PROSPER) PARTNERSHIPS FOR MILITARY FAMILIES	SPOTH, RICHARD LEE	VP FOR RESEARCH	VP FOR RESEARCH	011982-00001	Research	9/15/2013	5/31/2014	APR. 2014	4041737
\$184,956	IOWA DEPARTMENT OF TRANSPORTATION	DESIGN AND PERFORMANCE VERIFICATION OF A BRIDGE COLUMN/FOOTING/ PILE SYSTEM FOR ACCELERATED BRIDGE CONSTRUCTION	SRITHARAN, SIVALINGAM	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	011938-00001	Research	6/1/2014	5/31/2016	APR. 2014	4747922
\$180,179	NSF-NATIONAL SCIENCE FOUNDATION	CAREER: JOINT TOPOGRAPHIC IMAGING AND MATERIALS	RAMAMOORTHY, ADITYA	COLLEGE OF ENGINEERING	ELECTRICAL ENGINEERING & COMPUTER ENGR	007097-00001	Research	3/1/2012	2/28/2017	APR. 2014	4206052

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		CHARACTERIZATION USING ATOMIC FORCE MICROSCOPY- A SYSTEMS APPROACH									
\$180,000	DOE-US DEPARTMENT OF ENERGY	INVESTIGATIONS IN GAMMA RAY ASTROPHYSICS AND ASTROPARTICLE PHYSICS	KRENNRICH, FRANK	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	007725-00001	Research	5/1/2013	3/31/2015	APR. 2014	4012126
\$176,663	NORTH CENTRAL SOYBEAN RESEARCH	BREEDING TO IMPROVE RESISTANCE TO SDS IN SOYBEAN AS A MEANS TO PROTECT YIELD-DELIVERING RESISTANT VARIETIES AND LINES	CIANZIO, SILVIA R	AG EXPERIMENT STATION	AGRONOMY	011959-00001	Research	3/1/2014	9/30/2015	APR. 2014	4594013
\$175,947	NORTH CENTRAL SOYBEAN RESEARCH	EVALUATION AND DEVELOPMENT OF A BIOLOGICAL CONTROL PRODUCT TO CONTROL SOYBEAN SUDDEN DEATH SYNDROME AND WHITE MOLD	YANG, XIAO-BING	AG EXPERIMENT STATION	PLANT PATHOLOGY	011960-00001	Research	3/1/2014	9/30/2015	APR. 2014	4594015
\$175,000	IOWA DEPARTMENT OF TRANSPORTATION	IMPROVE FOUNDATION LAYERS FOR CONCRETE PAVEMENTS	WHITE, DAVID J	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	005763-00001	Research	3/16/2009	3/15/2016	APR. 2014	4741791
\$164,811	NORTH CENTRAL SOYBEAN RESEARCH	DEVELOPING AN INTEGRATED MANAGEMENT AND COMMUNICATION PLAN FOR SOYBEAN SUDDEN DEATH SYNDROME	MUELLER, DAREN SHANE	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	011961-00001	Research	3/1/2014	9/30/2015	APR. 2014	4593006
\$149,995	IOWA	EVALUATION OF	CEYLAN, HALIL	VP FOR	INST FOR	011911-00001	Research	5/1/2014	6/30/2016	APR.	4747907

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	DEPARTMENT OF TRANSPORTATION	OTTA SEAL SURFACING FOR LOW-VOLUME ROADS IN IOWA TR-674		RESEARCH	TRANSPORTATION (INTRANS)					2014	
\$149,642	DOD-ARMY RESEARCH OFFICE (ARO)	TEAM TUTORING WITH GIFT	GILBERT, STEPHEN	INSTITUTE FOR PHYSICAL RESEARCH & TECH	VIRTUAL REALITY APPLICATIONS CENTER	011935-00001	Research	3/31/2014	3/30/2015	APR. 2014	4212502
\$146,296	DOD-AIR FORCE OFFICE OF SCIENTIFIC RESEARCH (AFOSR)	NANO-ZIRCONIUM TUNGSTATE REINFORCED LIQUID CRYSTALLINE THERMOSETTING WITH NEAR ZERO THERMAL EXPANSION	CONSTANT, KRISTEN P	COLLEGE OF ENGINEERING	MATERIALS SCIENCE & ENGINEERING	007634-00001	Research	3/15/2012	3/14/2015	APR. 2014	4212048
\$145,000	NSF-NATIONAL SCIENCE FOUNDATION	BONDING ANALYSIS OF AB INITIO ELECTRONIC WAVE FUNCTIONS IN MOLECULES	RUEDENBERG, KLAUS	COLLEGE OF LIBERAL ARTS & SCIENCES	CHEMISTRY	005041-00001	Research	5/1/2012	4/30/2015	APR. 2014	4207117
\$140,000	PENNSYLVANIA STATE UNIVERSITY	TIGHTLY COUPLED MECHANISTIC STUDY OF MATERIALS IN THE EXTREME SPACE ENVIRONMENT	RAJAN, KRISHNA	COLLEGE OF ENGINEERING	MATERIALS SCIENCE & ENGINEERING	005501-00001	Research	7/1/2011	12/31/2015	APR. 2014	4046009
\$134,094	PURDUE UNIVERSITY	USEFUL TO USABLE (U2U): TRANSFORMING CLIMATE VARIABILITY AND CHANGE INFORMATION FOR CEREAL CROP PRODUCERS	HART, CHAD E	UNIVERSITY & COOPERATIVE EXTENSION	ECONOMICS	007551-00001	Research	4/15/2011	4/14/2015	APR. 2014	4103910
\$127,881	IOWA DEPARTMENT OF NATURAL RESOURCES	MISSOURI RIVER MULTIPLE SPECIES INVENTORY MANAGEMENT	DINSMORE, STEPHEN J	AG EXPERIMENT STATION	NATURAL RESOURCE ECOLOGY & MGMT	011946-00001	Research	3/31/2014	6/30/2015	APR. 2014	4734058

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		PROJECT									
\$126,000	GEORGIAN TECHNICAL UNIVERSITY	GEORGIAN TECHNICAL UNIVERSITY (REPUBLIC OF GEORGIA)- SUPPORTING THE ESTABLISHMENT OF AN AGRICULTURAL FACULTY	MICKELSON, STEVEN K	COLLEGE OF ENGINEERING	AG & BIOSYSTEMS ENGINEERING	011969-00001	Instruction	4/10/2014	12/31/2014	APR. 2014	4006095
\$123,447	UNITED SOYBEAN BOARD	COMBINING INTEGRATED PEST MANAGEMENT WITH CLIMATE CHANGE, MITIGATION, AND ADAPTATION IN SOYBEAN-CORN CROPPING SYSTEMS	MUELLER, DAREN SHANE	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	011498-00001	Research	10/1/2013	9/30/2014	APR. 2014	4593005
\$122,449	BROOKHAVEN SCIENCE ASSOCIATES- BROOKHAVEN NATIONAL LABORATORY	THE US ATLAS ANALYSIS SUPPORT	COCHRAN, JAMES	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	005913-00001	Research	5/18/2009	9/30/2014	APR. 2014	4042101
\$120,000	IOWA DEPARTMENT OF TRANSPORTATION	IMPACTS OF INTERNALLY CURED CONCRETE PAVING ON CONTRACTION JOINT SPACING TR-676	TAYLOR, PETER C	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	011929-00001	Research	4/15/2014	4/30/2016	APR. 2014	4747910
\$110,767	IOWA DEPARTMENT OF TRANSPORTATION	IMPLEMENTATION OF THE IOWA DOT PAVEMENT MANAGEMENT OPTIMIZATION MODEL	SMADI, OMAR G	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	008115-00001	Research	11/1/2007	12/31/2015	APR. 2014	4741748
\$107,499	GEORGIA INSTITUTE OF	NSF BIGDATA BUDGET TRANSFER	SCHNABLE, PATRICK S	AG EXPERIMENT	AGRONOMY	011958-00001	Research	8/31/2013	12/31/2015	APR. 2014	4044049

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	TECHNOLOGY	(IIS-1247716)		STATION							
\$100,185	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	SWINE INFLUENZA A VIRUS SURVEILLANCE SYSTEM PROJECT	ROTH, JAMES ALLEN	COLLEGE OF VETERINARY MEDICINE	CTR FOR FOOD SECURITY & PUBLIC HEALTH	012016-00001	Research	3/1/2014	2/28/2016	APR. 2014	4192306
\$95,545	DOC-NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION (NOAA)	THE USE OF RADAR DATA ASSIMILATION IN HIGH RESOLUTION WRF RUNS FOR IMPROVED SHORT- TERM QPF FOR FLOOD FORECASTING, CONVECTIVE MORPHOLOGY PREDICTION, AND PROBABILITY OF PRECIPITATION GUIDANCE	GALLUS, WILLIAM ANDREW JR	COLLEGE OF LIBERAL ARTS & SCIENCES	GEOLOGICAL & ATMOSPHERIC SCIENCES	011976-00001	Research	5/1/2014	4/30/2015	APR. 2014	4262102
\$91,537	NSF-NATIONAL SCIENCE FOUNDATION	UNDERSTANDING THE PREDICTABILITY OF INITIATION AND MORPHOLOGICAL EVOLUTION OF PECAN (PLAINS ELEVATED CONVECTION AT NIGHT) NOCTURNAL MESOSCALE CONVECTIVE SYSTEMS	GALLUS, WILLIAM ANDREW JR	COLLEGE OF LIBERAL ARTS & SCIENCES	GEOLOGICAL & ATMOSPHERIC SCIENCES	011992-00001	Research	9/1/2014	8/31/2015	APR. 2014	4202127
\$85,000	DOD-AIR FORCE OFFICE OF SCIENTIFIC RESEARCH (AFOSR)	THEORETICAL STUDIES OF GROUP IVA AND GROUP IVB CHEMISTRY	GORDON, MARK STEPHEN	COLLEGE OF LIBERAL ARTS & SCIENCES	CHEMISTRY	004931-00001	Research	6/15/2011	6/14/2014	APR. 2014	4212101
\$80,000	TECHNOLOGY ASSOCIATION OF	IT-ADVENTURES/IT- OLYMPICS 2013-2014	JACOBSON, DOUG W	INSTITUTE FOR	INFORMATION ASSURANCE CENTER	010909-00001	Public Service	9/1/2013	6/15/2014	APR. 2014	4002504



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	IOWA			PHYSICAL RESEARCH & TECH							
\$75,000	NATIONAL ACADEMIES	LRFD MINIMUM FLEXURAL REINFORCEMENT REQUIREMENTS	SRITHARAN, SIVALINGAM	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	011244-00001	Research	9/30/2013	12/29/2016	APR. 2014	4281705
\$75,000	DEERE & COMPANY	COTTON HARVEST INNOVATIONS, PHASE 1	DARR, MATTHEW JOHN	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	011944-00001	Research	4/1/2014	10/31/2014	APR. 2014	4004101
\$74,938	IOWA DEPARTMENT OF TRANSPORTATION	ASSESSMENT OF PCC CONCRETE SETTING TIME AND JOINT SAWING TR-675	TAYLOR, PETER C	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	011913-00001	Research	5/1/2014	10/31/2015	APR. 2014	4747906
\$69,072	NIH-NATIONAL CANCER INSTITUTE (NCI)	PROBING CONTACT GUIDANCE ON EXQUISITELY TUNABLE ECM SURFACES	SCHNEIDER, IAN C	COLLEGE OF ENGINEERING	CHEMICAL & BIOLOGICAL ENGR	011922-00001	Research	4/1/2014	3/31/2015	APR. 2014	4302005
\$66,529	NORTH CENTRAL SOYBEAN RESEARCH	MICRONUTRIENTS FOR SOYBEAN PRODUCTION: A POSITION PAPER FOR THE NORTH-CENTRAL REGION	MALLARINO, ANTONIO P	AG EXPERIMENT STATION	AGRONOMY	011962-00001	Research	5/1/2014	9/30/2015	APR. 2014	4594016
\$62,488	NATIONAL PORK BOARD	OCCURRENCE AND MOVEMENT OF ANTIBIOTICS, ANTIBIOTIC RESISTANT BACTERIA AND RESISTANCE GENES IN TILE-DRAINED AGRICULTURAL FIELDS RECEIVING SWINE MANURE APPLICATION	SOUPIR, MICHELLE LYNN	COLLEGE OF ENGINEERING	AG & BIOSYSTEMS ENGINEERING	011968-00001	Research	5/1/2014	4/30/2015	APR. 2014	4532005

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\$62,414	MONSANTO COMPANY	MONSANTO SERVICE ORDER 11, PROTOCOLS 2014-01-53-07, 2014-01-53-12, AND 2014-01-53-13	ROBERTSON, ALISON E	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	011985-00001	Research	4/1/2014	3/31/2015	APR. 2014	4003389
\$59,998	IOWA DEPARTMENT OF TRANSPORTATION	LABORATORY INVESTIGATION OF BRIDGE STRIP SEAL JOINT TERMINATION DETAILS	PHARES, BRENT M	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	011990-00001	Research	5/1/2014	12/31/2015	APR. 2014	4741739
\$59,986	IOWA DEPARTMENT OF TRANSPORTATION	INVESTIGATION OF THE CAUSES OF TRANSVERSE BRIDGE DECK CRACKING	PHARES, BRENT M	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	011989-00001	Research	5/1/2014	6/30/2015	APR. 2014	4741738
\$55,500	NORTH CENTRAL SOYBEAN RESEARCH	QUANTIFICATION OF VIRAL SUPPRESSION IN SCN POPULATIONS: NEMATODE VIRUS IMPACT ON SCN REPRODUCTION AND EGG VIABILITY	TYLKA, GREGORY L	AG EXPERIMENT STATION	PLANT PATHOLOGY	011963-00001	Research	5/1/2014	9/30/2015	APR. 2014	4594019
\$54,000	SYNGENTA CROP PROTECTION LLC	SYNGENTA CORN ROOTWORM STUDIES	GASSMANN, AARON JOHN	AG EXPERIMENT STATION	ENTOMOLOGY	006219-00001	Research	3/11/2013	4/30/2015	APR. 2014	4004293
\$53,737	SOLAZYME INC	DETERMINING THE FEED VALUE OF ALGAE BY-PRODUCT FOR CATTLE	HANSEN, STEPHANIE L	AG EXPERIMENT STATION	ANIMAL SCIENCE	010991-00001	Research	9/1/2013	8/31/2016	APR. 2014	4004004
\$50,000	GENERAL ELECTRIC	MODELING OF WIND TURBINE AERODYNAMIC LOADS	SHARMA, ANUPAM	COLLEGE OF ENGINEERING	AEROSPACE ENGINEERING	010752-00001	Research	7/1/2013	12/31/2014	APR. 2014	4006043
\$49,963	IOWA DEPARTMENT OF TRANSPORTATION	INVESTIGATION OF TECHNIQUES FOR ACCELERATING THE	PHARES, BRENT M	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	011991-00001	Research	5/1/2014	10/31/2015	APR. 2014	4741745

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		CONSTRUCTION OF BRIDGE DECK OVERLAYS									
\$47,606	UCHICAGO ARGONNE LLC- ARGONNE NATIONAL LABORATORY	MUON NEUTRINO DISAPPEARANCE AND COMMISSIONING IN NOVA	SANCHEZ, MAYLY	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	012000-00001	Research	1/14/2014	1/13/2015	APR. 2014	4042128
\$47,129	J R SIMPLOT CORPORATION	CONSUMERS' WILLINGNESS-TO-PAY EXPERIMENTS FOR LOW ACRYLAMIDE AND LOW BRUISING POTATOES AND POTATO PRODUCTS	HUFFMAN, WALLACE E	AG EXPERIMENT STATION	ECONOMICS	011937-00001	Research	4/1/2014	5/31/2015	APR. 2014	4104020
\$45,000	LOS ALAMOS NATIONAL SECURITY LLC- LOS ALAMOS NATIONAL LABORATORY	INFORMATION-DRIVEN MATERIALS DISCOVERY AND DESIGN	RAJAN, KRISHNA	COLLEGE OF ENGINEERING	MATERIALS SCIENCE & ENGINEERING	011987-00001	Research	4/17/2014	9/30/2014	APR. 2014	4046038
\$44,720	LEIDOS INC	SPEED MANAGEMENT STRATEGIES FOR THE THREE SAFETY FOCUS PROGRAMS	HALLMARK, SHAUNA L	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	011956-00001	Research	4/3/2014	10/28/2015	APR. 2014	4041736
\$43,221	ED-US DEPARTMENT OF EDUCATION	PELL GRANT, FY14	JOHNSON, ROBERTA L	VICE PRESIDENT FOR STUDENT AFFAIRS	STUDENT FINANCIAL AID	010617-00001	Student Financial Aid	7/1/2013	6/30/2014	APR. 2014	4325743
\$42,272	ROCHESTER INSTITUTE OF TECHNOLOGY	APRA-GENI: APPLYING A PROJECT-BASED APPROACH TO UNDERSTANDING MULTIPLE GENI RESOURCES NETWORKING RESEARCH	GUAN, YONG	COLLEGE OF ENGINEERING	ELECTRICAL ENGINEERING & COMPUTER ENGR	004982-00001	Instruction	10/1/2011	9/30/2014	APR. 2014	4042047

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\$40,000	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	DEVELOPMENT AND IMPLEMENTATION OF NATURAL RESOURCE DATABASES	KANE, KEVIN L	COLLEGE OF DESIGN	INSTITUTE FOR DESIGN RESEARCH & OUTREACH	006154-00001	Research	9/20/2012	8/31/2014	APR. 2014	4192903
\$38,272	MONSANTO COMPANY	MONSANTO SERVICE ORDER 12, PROTOCOLS 2014-01-53-05, 2014-01-53-06, 2014-01-53-30, 2014-01-53-31	MUNKVOLD, GARY PHILLIP	AG EXPERIMENT STATION	PLANT PATHOLOGY	011986-00001	Research	4/1/2014	3/31/2015	APR. 2014	4004106
\$37,950	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	IDENTIFICATION OF BREEDER MOLECULAR SIGNATURES-IOWA STATE	COOK, DIANNE H	COLLEGE OF LIBERAL ARTS & SCIENCES	STATISTICS	007722-00001	Research	9/5/2012	5/14/2015	APR. 2014	4192101
\$35,000	NSF-NATIONAL SCIENCE FOUNDATION	INDUSTRY/ UNIVERSITY COOPERATIVE RESEARCH CENTER FOR NONDESTRUCTIVE EVALUATION	BOND, LEONARD J	INSTITUTE FOR PHYSICAL RESEARCH & TECH	CENTER FOR NON-DESTRUCT EVALUATION	007392-00001	Research	1/15/2010	12/31/2014	APR. 2014	4202560
\$33,765	UNIVERSITY OF CONNECTICUT	FACTORS INFLUENCING THE HEALTH BEHAVIORS OF YOUNG AFRICAN AMERICAN ADULTS	CUTRONA-RUSSELL, CAROLYN	VP FOR RESEARCH	SURVEY & BEHAVIORAL RESEARCH SVCS	005169-00001	Research	8/23/2012	6/30/2014	APR. 2014	4041723
\$33,699	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS)	REGULATION OF CHROMATIN STRUCTURE AND GENE EXPRESSION BY H3S10 PHOSPHORYLATION	JOHANSEN, KRISTEN MARIE	COLLEGE OF LIBERAL ARTS & SCIENCES	BIOCHEMISTRY & BIOPHYSICS	004410-00001	Research	1/1/2011	12/31/2014	APR. 2014	4302110
\$31,500	NSF-NATIONAL SCIENCE FOUNDATION	I/UCRC: CENTER FOR E-DESIGN	TERPENNY, JANIS PINCHEFSK	COLLEGE OF ENGINEERING	INDUSTRIAL & MANUFACTURING SYSTEMS ENGR	007183-00001	Research	9/1/2012	8/31/2017	APR. 2014	4206225
\$30,628	HONEYWELL	INVESTIGATING	BOWLER,	COLLEGE OF	MATERIALS SCIENCE	012005-00001	Research	4/10/2014	9/4/2014	APR.	4046039

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	FEDERAL MANUFACTURING & TECHNOLOGIES LLC	POLYCYCLIC AROMATIC HYDROCARBONS IN EPOXIES VIA DIELECTRIC SPECTROSCOPY	NICOLA	ENGINEERING	& ENGINEERING					2014	
\$30,000	UNIVERSITY OF IOWA	SIMPLE AND FAST DETECTION OF BACTERIA IN RECREATIONAL WATERS	CADEMARTIRI, REBECCA	COLLEGE OF ENGINEERING	CHEMICAL & BIOLOGICAL ENGR	011932-00001	Research	2/1/2014	1/31/2015	APR. 2014	4752047
\$30,000	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	EVALUATION OF SOYBEAN GREEN STEM DISORDER OF MULTIPLE LOCATIONS	MUELLER, DAREN SHANE	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	012017-00001	Research	3/20/2014	11/30/2014	APR. 2014	4193003
\$27,000	NORTHWESTERN UNIVERSITY	MOLECULAR CHARACTERIZATION OF CELL TYPES IN AN ALS MOUSE MODEL	TRIMARCHI, JEFFREY	COLLEGE OF LIBERAL ARTS & SCIENCES	GENETICS DEVELOPMENT & CELL BIOLOGY	011919-00001	Research	1/20/2014	12/31/2014	APR. 2014	4002108
\$25,085	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS)	HIGHLY SIMPLIFIED MODEL OF A MAMMALIAN INTESTINAL COMMUNITY	PHILLIPS, GREGORY J	COLLEGE OF VETERINARY MEDICINE	VETERINARY MICROBIOLOGY & PREV MEDICINE	005093-00001	Research	12/17/2012	11/30/2014	APR. 2014	4302308
\$25,000	TEXAS TECH UNIVERSITY	METAL-HYDRIDE BASED REACTIVE MATERIAL COMPOSITES	LEVITAS, VALERY	COLLEGE OF ENGINEERING	AEROSPACE ENGINEERING	005587-00001	Research	6/1/2012	5/31/2017	APR. 2014	4046014
\$25,000	BOEHRINGER INGELHEIM VETMEDICA INC	"CLEANING UP" ORAL FLUID SAMPLES FOR IMPROVED DIAGNOSTICS	ZIMMERMAN, JEFFREY J	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	012011-00001	Research	3/1/2014	2/28/2015	APR. 2014	4002351
\$23,673	AMERICAVIEW	STATEVIEW PROGRAM DEVELOPMENT AND	KANE, KEVIN L	COLLEGE OF DESIGN	INSTITUTE FOR DESIGN RESEARCH & OUTREACH	011936-00001	Research	12/13/2013	9/15/2014	APR. 2014	4042901

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		OPERATIONS FOR THE STATE OF IOWA									
\$23,460	MONSANTO COMPANY	SERVICE ORDER 14 PROTOCOLS 2014-01-53-14 AND 2014-01-53-29	LEANDRO, LEONOR F S	AG EXPERIMENT STATION	PLANT PATHOLOGY	011924-00001	Research	4/1/2014	3/31/2015	APR. 2014	
\$23,000	MONSANTO COMPANY	CORN PESTS RESEARCH PROJECT	GASSMANN, AARON JOHN	AG EXPERIMENT STATION	ENTOMOLOGY	011997-00001	Research	4/1/2014	3/31/2015	APR. 2014	4004107
\$22,900	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS)	DIRECTED EVOLUTION OF METAL SUBSTITUTE CARBONIC ANHYDRASES FOR CATALYSIS	STANLEY, LEVI MICHAEL	COLLEGE OF LIBERAL ARTS & SCIENCES	CHEMISTRY	005557-00001	Research	2/15/2012	12/31/2014	APR. 2014	4302113
\$20,000	UNIVERSITY OF CALIFORNIA DAVIS	WHO IS NOT AT THE TABLE? LAND DEAL NEGOTIATIONS IN SOUTHWESTERN CAMEROON	MAZUR, ROBERT EDWARD	COLLEGE OF LIBERAL ARTS & SCIENCES	SOCIOLOGY	011975-00001	Scholarships & Fellowships	4/1/2014	3/31/2015	APR. 2014	4042126
\$19,992	DOD-NATIONAL SECURITY AGENCY (NSA)	PROPERTIES OF THE SPECTRA OF THE NORMALIZED LAPLACIAN	BUTLER, STEVE	COLLEGE OF LIBERAL ARTS & SCIENCES	MATHEMATICS	011952-00001	Research	3/31/2014	3/30/2015	APR. 2014	4282105
\$18,630	MONSANTO COMPANY	EVALUATION OF NEMATODE MANAGEMENT SEED TREATMENTS IN SOYBEAN	TYLKA, GREGORY L	AG EXPERIMENT STATION	PLANT PATHOLOGY	011966-00001	Research	4/1/2014	3/31/2015	APR. 2014	4004102
\$18,320	NSF-NATIONAL SCIENCE FOUNDATION	LTREB RENEWAL: LONG-TERM RESEARCH ON ENVIRONMENTAL GENDER DETERMINATION IN A MODEL SYSTEM (CHRYSEMYS)	JANZEN, FREDRIC J II	AG EXPERIMENT STATION	ECOLOGY, EVOLUTION & ORG BIOLOGY	006627-00001	Research	9/1/2012	8/31/2017	APR. 2014	4204074

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\$16,000	NSF-NATIONAL SCIENCE FOUNDATION	TOPOLOGICAL ELECTROMAGNETIC SENSORS	JILES, DAVID C	INSTITUTE FOR PHYSICAL RESEARCH & TECH	MICROELECTRONICS RESEARCH CENTER	007087-00001	Research	7/1/2012	6/30/2015	APR. 2014	4206515
\$15,000	DEERE & COMPANY	NSF I/U/CRC CENTER FOR INFORMATION PROTECTION-JOHN DEERE	DANIELS, THOMAS EARL	INSTITUTE FOR PHYSICAL RESEARCH & TECH	INFORMATION ASSURANCE CENTER	011912-00001	Research	1/1/2014	12/31/2014	APR. 2014	
\$15,000	ARIZONA STATE UNIVERSITY	PLANNING GRANT- ESTABLISHMENT OF THE UNIVERSITY ALLIANCE	FREEMAN, STEVEN A	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	011951-00001	Public Service	8/1/2013	3/31/2014	APR. 2014	4004103
\$15,000	WOMEN FOOD & AGRICULTURE NETWORK	WOMEN CARING FOR THE LAND: ENGAGING MIDWEST WOMEN FARMLAND OWNERS IN IMPROVING CONSERVATION AND SOIL HEALTH	DAHLSTROM, MICHAEL F	COLLEGE OF LIBERAL ARTS & SCIENCES	JOURNALISM & MASS COMMUNICATION	011973-00001	Research	9/1/2013	8/31/2016	APR. 2014	4102101
\$15,000	UNIVERSITY OF NORTHERN IOWA	THE ROLE OF NON-TECHNICAL VARIABLES IN NASA RESEARCH AND DEVELOPMENT PROJECT SUCCESS	COMPONATION, PAUL	COLLEGE OF ENGINEERING	INDUSTRIAL & MANUFACTURING SYSTEMS ENGR	011979-00001	Research	3/1/2014	2/28/2015	APR. 2014	4752048
\$13,997	BAYER CROPSCIENCE	2014 BAYER CROPSCIENCE FIELD TRIALS	O'NEAL, MATTHEW ELLIOTT	AG EXPERIMENT STATION	ENTOMOLOGY	011998-00001	Research	4/16/2014	12/31/2014	APR. 2014	4004873
\$11,500	BAYER CROPSCIENCE	CORN PESTS RESEARCH PROJECT	GASSMANN, AARON JOHN	AG EXPERIMENT STATION	ENTOMOLOGY	011945-00001	Research	4/1/2014	3/31/2015	APR. 2014	4004906
\$7,896	AARHUS UNIVERSITY	SCIENTIFIC SERVICES TO SUPPORT EFSA SYSTEMATIC	O'CONNOR, ANNETTE M	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	011930-00001	Research	4/9/2013	4/8/2016	APR. 2014	4002348

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		REVIEWS- LOT 1 AND LOT 2									
\$7,896	AARHUS UNIVERSITY	SCIENTIFIC SERVICES TO SUPPORT EFSA SYSTEMATIC REVIEWS- LOT 1 AND LOT 2	O'CONNOR, ANNETTE M	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	011931-00001	Research	4/9/2013	4/8/2016	APR. 2014	4002350
\$5,000	CALIFORNIA INSTITUTE OF TECHNOLOGY-JET PROPULSION LABORATORY (JPL)	CONFIRMATION OF T DWARF CANDIDATE COMPANIONS OF RADIAL VELOCITY PLANET SYSTEMS	MARENGO, MASSIMO	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	011918-00001	Research	3/27/2014	9/30/2015	APR. 2014	4042125
\$4,708	IOWA DEPARTMENT OF NATURAL RESOURCES	PROPOSAL TO MONITOR WHITE-FRINGED PRAIRIE ORCHID PHENOLOGY	BIEDERMAN, LORI ANN	COLLEGE OF LIBERAL ARTS & SCIENCES	ECOLOGY, EVOLUTION & ORG BIOLOGY	007791-00001	Research	4/15/2013	12/31/2014	APR. 2014	4732105
\$4,500	BAYER CROPSCIENCE	PREEMERGENCE HERBICIDE EVALUATION	CHRISTIANS, NICK E	AG EXPERIMENT STATION	HORTICULTURE	011983-00001	Research	4/4/2014	12/31/2014	APR. 2014	
\$4,500	BAYER CROPSCIENCE	PREEMERGENCE HERBICIDE EVALUATION	CHRISTIANS, NICK E	AG EXPERIMENT STATION	HORTICULTURE	011994-00001	Research	4/4/2014	12/31/2014	APR. 2014	
\$2,300	BAYER CROPSCIENCE	PONCHO/VOTIVO/ SIVANTO SOYBEAN INSECT EFFICACY STUDY	LANG, BRIAN J	UNIVERSITY & COOPERATIVE EXTENSION	EXTENSION TO AG- EXTENSION	011984-00001	Research	4/1/2014	3/31/2015	APR. 2014	4003097
\$1,982	ED-US DEPARTMENT OF EDUCATION	TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND HIGHER EDUCATION (TEACH) GRANT, FY14	JOHNSON, ROBERTA L	VICE PRESIDENT FOR STUDENT AFFAIRS	STUDENT FINANCIAL AID	010614-00001	Scholarships & Fellowships	7/1/2013	6/30/2014	APR. 2014	4325742