

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

Calendar Year: 2014
Month: Dec

Award Count: 113
Award Total: \$11,391,610

Award Amount	Sponsor	Award Title	PI	Lead Org Unit	Lead Org Dept	Award Number	Activity Type	Start Date	End Date	Award Register Date	Account
\$1,956,855	DOE-US DEPARTMENT OF ENERGY	OPERATING AND MANAGEMENT SUPPORT FOR THE AMES LABORATORY	SCHWARTZ, ADAM	AMES LABORATORY	AMES LABORATORY	004881-00001	Research	1/1/1981	12/31/2016	DEC. 2014	4012501
\$1,145,524	CHEMONICS INTERNATIONAL INC	GHANA FEED THE FUTURE AGRICULTURE POLICY PROJECT	BEGHIN, JOHN CHRISTOPHER	AG EXPERIMENT STATION	GLOBAL AG PROGRAMS	011719-00001	Public Service	1/31/2014	6/30/2018	DEC. 2014	4044059
\$607,883	IOWA DEPARTMENT OF NATURAL RESOURCES	WATER ROCKS! YOUTH WATER EDUCATION CAMPAIGN-PHASE III	COMITO, JACQUELINE M	UNIVERSITY & COOPERATIVE EXTENSION	AG & BIOSYSTEMS ENGINEERING	013151-00001	Public Service	1/1/2015	3/31/2018	DEC. 2014	4733009
\$500,284	USDA-RURAL DEVELOPMENT (RD)	AGRICULTURAL MARKETING RESOURCE CENTER 2014-2015	HANSEN, RAYMOND SCOTT	UNIVERSITY & COOPERATIVE EXTENSION	VALUE ADD AG-EXTENSION	011876-00001	Public Service	7/1/2014	8/31/2015	DEC. 2014	4123015
\$496,178	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	LOW-COST RADIOFREQUENCY SENSOR FOR REAL-TIME MONITORING OF NITRATE CONCENTRATION IN WATER	KALEITA-FORBES, AMY LEIGH	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	013025-00001	Research	1/1/2015	12/31/2017	DEC. 2014	4164143
\$496,176	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	AN INNOVATIVE SYSTEM TO IMPROVE ENVIRONMENT AND PRODUCTIVITY OF AVIARY HEN HOUSING	XIN, HONGWEI	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	013096-00001	Research	12/15/2014	12/14/2017	DEC. 2014	4164146
\$445,368	MICHIGAN STATE UNIVERSITY	ENHANCING NUTRITIONAL VALUE AND MARKETABILITY OF BEANS THROUGH RESEARCH AND STRENGTHENING KEY VALUE CHAIN STAKEHOLDERS IN	MAZUR, ROBERT EDWARD	COLLEGE OF LIBERAL ARTS & SCIENCES	SOCIOLOGY	004414-00001	Research	4/1/2008	9/30/2015	DEC. 2014	4042132

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		UGANDA AND RWANDA									
\$306,554	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS)	METAL-DEPENDENT PHOSPHOHYDROLASE ACTIVITY OF CVFA FROM STREPTOCOCCUS PYOGENES	LEE, BRIAN MICHAEL	VP FOR RESEARCH	CTR ADV HOST DEFENSES IMMUN TRANSLAT COM	013070-00001	Research	5/21/2014	7/31/2015	DEC. 2014	4301704
\$300,000	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	11/14/2015	DEC. 2014	4012109
\$300,000	UCHICAGO ARGONNE LLC- ARGONNE NATIONAL LABORATORY	A RESILIENT SELF-HEALING CYBER SECURITY FRAMEWORK FOR POWER GRID	GOVINDARASU, MANIMARAN	COLLEGE OF ENGINEERING	ELECTRICAL ENGINEERING & COMPUTER ENGR	013129-00001	Research	12/18/2014	11/2/2016	DEC. 2014	4042004
\$265,119	UNIVERSITY OF EDINBURGH	DEVELOPMENT OF AN EXPERIMENTAL PIG MODEL FOR PORCINE ASTOVIRUS (PASTV) ASSOCIATED DISEASE AND EVALUATION OF AN EXPERIMENTAL PASTV VACCINE	HALBUR, PATRICK GERSRD	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	012909-00001	Research	6/9/2014	6/8/2016	DEC. 2014	4002385
\$226,297	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	11/30/2015	DEC. 2014	4302308
\$200,984	SBA-US SMALL BUSINESS ADMINISTRATION	IOWA SMALL BUSINESS DEVELOPMENT CENTER FY 15 SBA COOPERATIVE AGREEMENT	SHIMKAT, LISA MARIE	COLLEGE OF BUSINESS	SMALL BUSINESS DEVELOPMENT CENTER	012401-00001	Public Service	10/1/2014	9/30/2015	DEC. 2014	4350806
\$178,883	NSF-NATIONAL	DEFINING THE PLANT	ZABOTINA,	AG	BIOCHEMISTRY &	006001-00001	Research	12/1/2011	11/30/2015	DEC.	4204017

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	SCIENCE FOUNDATION	CELL WALL XYLOGLUCAN BIOSYNTHETIC COMPLEX LOCALIZED IN GOLGI	OLGA	EXPERIMENT STATION	BIOPHYSICS					2014	
\$173,244	NASA-NATIONAL AERONAUTICS & SPACE ADMINISTRATION	HYBRID AND PURE TURBULENCE MODELING FOR SEPARATION AND DETACHED FLOW	DURBIN, PAUL	COLLEGE OF ENGINEERING	AEROSPACE ENGINEERING	006617-00001	Research	8/3/2012	8/2/2015	DEC. 2014	4222004
\$167,666	UNIVERSITY OF CALIFORNIA DAVIS	IMPROVING FOOD SECURITY OF AFRICA BY ENHANCING RESISTANCE TO DISEASE AND HEAT IN CHICKENS	LAMONT, SUSAN J	AG EXPERIMENT STATION	ANIMAL SCIENCE	011585-00001	Research	9/27/2013	9/26/2015	DEC. 2014	4044026
\$151,902	CARNEGIE INSTITUTION FOR SCIENCE	GENETIC AND EPIGENETIC REGULATION OF GAMETOPHYTE DEVELOPMENT AND TRANSPOSON EXPRESSION IN MAIZE	VOLLBRECHT, ERIK WARREN	AG EXPERIMENT STATION	GENETICS DEVELOPMENT & CELL BIOLOGY	012360-00001	Research	8/1/2014	7/31/2015	DEC. 2014	4044051
\$150,000	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	013066-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194517
\$149,998	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	CHARACTERIZING THE ZINC TRANSPORT SYSTEM WITHIN THE RUMEN EPITHELIUM AND THE CONTRIBUTION OF SYSTEMIC ZINC TO THE RUMEN ENVIRONMENT	HANSEN, STEPHANIE L	AG EXPERIMENT STATION	ANIMAL SCIENCE	013029-00001	Scholarships & Fellowships	12/1/2014	11/30/2016	DEC. 2014	4164144

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\$135,463	MONTANA DEPARTMENT OF TRANSPORTATION	TOP-DOWN CONSTRUCTION COST ESTIMATING MODEL/GUIDE USING A NEURAL NETWORK	GRANSBERG, DOUGLAS DRAKE	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	013148-00001	Research	12/22/2014	6/30/2017	DEC. 2014	4041762
\$134,327	COLORADO STATE UNIVERSITY	FEED THE FUTURE INNOVATION LAB FOR COLLABORATIVE RESEARCH ON ADAPTING LIVESTOCK SYSTEMS TO CLIMATE CHANGE	PLUMMER, PAUL J	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	011657-00001	Research	1/1/2014	4/15/2015	DEC. 2014	4042305
\$130,000	SEMICONDUCTOR RESEARCH CORPORATION (SRC)	5 NM PATTERNING OF INORGANIC SOLIDS	CADEMARTIRI, LUDOVICO	COLLEGE OF ENGINEERING	MATERIALS SCIENCE & ENGINEERING	013077-00001	Research	1/1/2015	12/31/2015	DEC. 2014	4006025
\$129,485	SAMUEL ROBERTS NOBLE FOUNDATION	METABOLOMICS: ADVANCING THE SCIENTIFIC PROMISE TO BETTER UNDERSTAND PLANT SPECIALIZED METABOLISM FOR LOW-CARBON SOCIETY	NIKOLAU, BASIL J	AG EXPERIMENT STATION	BIOCHEMISTRY & BIOPHYSICS	006542-00001	Research	2/1/2012	11/30/2015	DEC. 2014	4044056
\$125,965	IOWA DEPARTMENT OF NATURAL RESOURCES	GRASSLAND BIRD AND INVERTEBRATE RESPONSE TO GRASSLAND DIVERSITY IN RESTORED PLANTINGS IN NORTHWESTERN IOWA	KLAVER, ROBERT W	AG EXPERIMENT STATION	NATURAL RESOURCE ECOLOGY & MGMT	013052-00001	Research	1/1/2015	8/31/2017	DEC. 2014	4734070
\$110,000	AMERICAN CHEMICAL SOCIETY PETROLEUM	INORGANIC CAPPING SYNTHESIS OF PURE PHASE INTERMETALLIC	HUANG, WENYU	COLLEGE OF LIBERAL ARTS & SCIENCES	CENTER FOR CATALYSIS	013098-00001	Research	5/1/2015	8/31/2017	DEC. 2014	4002127

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	RESEARCH FUND	NANOPARTICLES FOR NON-OXIDATIVE PROPANE DEHYDROGENATION									
\$105,627	UNIVERSITY OF NEBRASKA LINCOLN	DEVELOPING HIGH EFFICIENCY PEROVSKITE/SILICON TANDEM SOLAR CELLS	DALAL, VIKRAM L	COLLEGE OF ENGINEERING	MICROELECTRONICS RESEARCH CENTER	013086-00001	Research	9/30/2014	9/29/2015	DEC. 2014	4042521
\$100,000	MINNESOTA DEPARTMENT OF TRANSPORTATION	EVALUATION OF WORKZONE SAFETY USING THE SHRP 2 NATURALISTIC DRIVING STUDY DATA-PHASE I	HALLMARK, SHAUNA L	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	013185-00001	Research	12/23/2014	11/30/2015	DEC. 2014	4041763
\$97,999	NATIONAL ACADEMIES	COLLABORATIVE RESEARCH FOR GENETIC CONSERVATION AND IMPROVEMENT OF PAKISTANI GOATS	REECY, JAMES M	AG EXPERIMENT STATION	ANIMAL SCIENCE	011375-00001	Research	10/1/2013	9/30/2015	DEC. 2014	4044019
\$92,540	ZOETIS	MULTI-BREED GENOMIC PREDICTION USING LINKAGE DISEQUILIBRIUM AND CO-SEGREGATION	GARRICK, DORIAN J	AG EXPERIMENT STATION	ANIMAL SCIENCE	013109-00001	Research	12/1/2014	11/30/2015	DEC. 2014	4004314
\$91,200	NATIONAL ACADEMIES	REVIEW OF WIC FOOD PACKAGES	JENSEN, HELEN HANNAY	AG EXPERIMENT STATION	CENTER FOR AG & RURAL DEVELOPMENT	013053-00001	Research	10/1/2014	8/31/2016	DEC. 2014	4284007
\$83,074	UNIVERSITY OF GEORGIA	DISCOVERY OF NOVEL NEMATODE RESISTANCE GENES AND DEVELOPMENT OF PRODUCTIVE SOYBEANS WITH	CIANZIO, SILVIA R	AG EXPERIMENT STATION	AGRONOMY	011627-00001	Research	10/1/2013	9/30/2015	DEC. 2014	4004046

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		MULTIPLE-NEMATODE RESISTANCE									
\$77,022	ED-US DEPARTMENT OF EDUCATION	PELL GRANT, FY15	JOHNSON, ROBERTA L	VICE PRESIDENT FOR STUDENT AFFAIRS	STUDENT FINANCIAL AID	012179-00001	Student Financial Aid	7/1/2014	6/30/2015	DEC. 2014	4325753
\$75,000	IOWA DEPARTMENT OF TRANSPORTATION	GUIDANCE ON TRAFFIC SIGN EFFECTIVENESS, INSTALLATION, AND REMOVAL	KNAPP, KEITH K	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	013037-00001	Research	2/1/2015	1/31/2016	DEC. 2014	4747938
\$70,465	WEST LIBERTY CHAMBER OF COMMERCE	LEADERSHIP FOR LATINO INITIATIVE, WEST LIBERTY CHAMBER OF COMMERCE	BORICH, TIMOTHY O	UNIVERSITY & COOPERATIVE EXTENSION	COMMUNITIES-EXTENSION	013040-00001	Public Service	10/1/2014	6/30/2017	DEC. 2014	4003060
\$62,613	NIH-NATIONAL CANCER INSTITUTE (NCI)	SLEEPING BEAUTY TRANSPOSON SYSTEM FOR MUTAGENESIS IN ZEBRAFISH	MCGRAIL, MAURA	AG EXPERIMENT STATION	GENETICS DEVELOPMENT & CELL BIOLOGY	011519-00001	Research	12/1/2013	11/30/2015	DEC. 2014	4304004
\$60,000	GENEREACH USA	EVALUATION OF POINT OF NEED DIAGNOSTIC TESTING FOR INFECTIOUS AGENTS BASED ON POKKIT EXPRESS, A FIELD PCR PLATFORM	TRUJILLO, JESSIE	COLLEGE OF VETERINARY MEDICINE	VETERINARY MICROBIOLOGY & PREV MEDICINE	010626-00001	Research	7/1/2013	6/30/2015	DEC. 2014	4006322
\$59,787	NSF-NATIONAL SCIENCE FOUNDATION	CONTINUED ANALYSIS OF CONVECTIVE SYSTEM EVOLUTION USING CONVECTION-PERMITTING GRID SPACING WEATHER	GALLUS, WILLIAM ANDREW JR	COLLEGE OF LIBERAL ARTS & SCIENCES	GEOLOGICAL & ATMOSPHERIC SCIENCES	008174-00001	Research	11/1/2012	10/31/2015	DEC. 2014	4202166

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		RESEARCH AND FORECASTING WRF SIMULATIONS									
\$55,395	APC INC	EVALUATION OF NATURAL PROTEINS FOR THE PREVENTION OF GASTRIC ULCERS IN HORSES	MCCLURE, SCOTT R	COLLEGE OF VETERINARY MEDICINE	VET CLINICAL SCIENCES	013107-00001	Research	12/1/2014	4/30/2015	DEC. 2014	4002398
\$50,504	NATIONAL PORK BOARD	DEVELOPMENT AND EVALUATION OF A STANDARDIZED PROTOCOL FOR UTILIZATION OF SWINE ORAL FLUIDS FOR PCR DETECTION OF HIGH CONSEQUENCE PATHOGENS: FMD, CSF, AND ASF	TRUJILLO, JESSIE	COLLEGE OF VETERINARY MEDICINE	VETERINARY MICROBIOLOGY & PREV MEDICINE	013116-00001	Research	12/15/2014	12/15/2015	DEC. 2014	4532356
\$50,000	WINROCK INTERNATIONAL	EVALUATION PROPOSAL FOR STRENGTHENING SMALL SCALE SUSTAINABLE FARMING AND LOCAL FOOD SYSTEMS BY ACCELERATING FOOD HUB DEVELOPMENT	BREGENDAHL, CORENE M	AG EXPERIMENT STATION	LEOPOLD CENTER	013152-00001	Public Service	12/8/2014	1/29/2016	DEC. 2014	4004245
\$50,000	BASF CORPORATION	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013163-00001	Research	9/6/2014	9/5/2015	DEC. 2014	
\$50,000	CHEVRON PHILLIPS CHEMICAL COMPANY LLC	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013167-00001	Research	12/1/2014	11/30/2015	DEC. 2014	
\$50,000	DUPONT DANISCO CELLULOSIC	CENTER FOR BIORENEWABLE	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE	013171-00001	Research	9/29/2014	9/28/2015	DEC. 2014	

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	ETHANOL LLC	CHEMICALS (CBIRC)			CHEMICALS						
\$49,200	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	OPTIMAL DIETARY ENERGY AND PROTEIN FOR THE DEVELOPMENT OF GILTS	STALDER, KENNETH J	AG EXPERIMENT STATION	ANIMAL SCIENCE	011035-00001	Research	8/1/2013	9/30/2015	DEC. 2014	4194022
\$46,800	USDA-FARM SERVICE AGENCY (FSA)	ESTIMATING THE EFFECT OF THE CONSERVATION RESERVE PROGRAM (CRP) CONTOUR STRIPS ON GRASSLAND BIRDS	SCHULTE- MOORE, LISA ANN	AG EXPERIMENT STATION	NATURAL RESOURCE ECOLOGY & MGMT	012384-00001	Research	8/15/2014	5/1/2016	DEC. 2014	4124009
\$46,708	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	DEC. 2014	4002108
\$44,280	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	POWELL- COFFMAN, JO A	AG EXPERIMENT STATION	GENETICS DEVELOPMENT & CELL BIOLOGY	013069-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194507
\$43,100	UNIVERSITY OF WISCONSIN MADISON	INCREASING CENTER FOR THE INTEGRATION OF RESEARCH, TEACHING AND LEARNING (CIRTL) PRACTITIONERS AT IOWA STATE UNIVERSITY (ISU)	OGILVIE, CRAIG A	SR VP AND PROVOST	GRADUATE COLLEGE	013138-00001	Instruction	9/1/2014	8/31/2015	DEC. 2014	4001801
\$41,946	NATIONAL PORK BOARD	EVALUATION OF AN ACCELERATED HYDROGEN PEROXIDE DISINFECTANT TO INACTIVATE PORCINE EPIDEMIC	HOLTKAMP, DERALD J	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	013036-00001	Research	12/15/2014	6/14/2015	DEC. 2014	4532355

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		DIARRHEA VIRUS IN SWINE FECES ON METAL SURFACES UNDER FREEZING CONDITIONS									
\$40,000	IOWA SOYBEAN ASSOCIATION	DETERMINATION OF THE ECONOMIC OPPORTUNITY FOR SOYBEAN OILS FOR USE AS A MONOMER-PHASE II	COCHRAN, ERIC W	COLLEGE OF ENGINEERING	CHEMICAL & BIOLOGICAL ENGR	012447-00001	Research	10/1/2014	9/30/2015	DEC. 2014	4502003
\$38,633	IOWA DEPARTMENT OF TRANSPORTATION	CAN MISSOURI GRAVEL BEDS FUNCTION AS A YEAR-ROUND PRODUCTION SYSTEM TO IMPROVE TREE ROOT STRUCTURE AND FINE ROOT BIOMASS VS. TRADITIONAL POT IN POT PRODUCTION METHODS	RANDALL, JESSE ALLEN	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	013108-00001	Research	11/15/2014	7/31/2017	DEC. 2014	4747714
\$37,260	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	013065-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194518
\$34,600	NATIONAL PORK BOARD	A SYSTEMATIC REVIEW OF COMPARATIVE EFFICACY OF THE CARCASS WASH INTERVENTIONS DESIGNED TO REDUCE PATHOGENS ON SWINE CARCASSES	O'CONNOR, ANNETTE M	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	013131-00001	Research	12/15/2014	9/15/2015	DEC. 2014	4532374

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\$30,000	IOWA DEPARTMENT OF TRANSPORTATION	USING OPERATIONAL DATA TO ASSESS MOBILITY AND CRASH EXPERIENCE DURING WINTER CONDITIONS	HANS, ZACHARY N	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	013055-00001	Research	11/1/2014	12/31/2015	DEC. 2014	4747712
\$30,000	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	REECY, JAMES M	VP FOR RESEARCH	VP FOR RESEARCH	013068-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4191706
\$30,000	NORTHWESTERN UNIVERSITY	MOLECULAR MECHANISMS THAT UNDERLIE CORTICOSPINAL MOTOR NEURON VULNERABILITY AND DEGENERATION IN ALS	TRIMARCHI, JEFFREY	COLLEGE OF LIBERAL ARTS & SCIENCES	GENETICS DEVELOPMENT & CELL BIOLOGY	013113-00001	Research	11/1/2014	3/31/2015	DEC. 2014	4002134
\$30,000	UNIVERSITY OF IOWA	DO CLIMATE PROJECTIONS OF PEAK STREAMFLOW GET THE RIGHT ANSWER FOR THE RIGHT REASON?	ANDERSON, CHRISTOPHER	AG EXPERIMENT STATION	AGRONOMY	013139-00001	Research	7/1/2014	6/30/2015	DEC. 2014	4004251
\$29,596	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	DEC. 2014	4747922
\$25,000	ASHLAND PERFORMANCE MATERIALS	CENTER FOR BIORENEWABLE CHEMICALS	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013156-00001	Research	9/20/2014	9/19/2015	DEC. 2014	
\$25,000	CARGILL PROCESS	CENTER FOR	SHANKS,	COLLEGE OF	CTR FOR	013160-00001	Research	9/4/2014	9/3/2015	DEC.	

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	SOLUTIONS TDC	BIORENEWABLE CHEMICALS (CBIRC)	BRENT H	ENGINEERING	BIORENEWABLE CHEMICALS					2014	
\$25,000	RENEWABLE ENERGY GROUP	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013164-00001	Research	9/25/2014	9/24/2015	DEC. 2014	
\$25,000	EVONIK INDUSTRIES	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013166-00001	Research	9/1/2014	8/31/2015	DEC. 2014	
\$25,000	GRAIN PROCESSING CORPORATION	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013168-00001	Research	12/1/2014	11/30/2015	DEC. 2014	
\$25,000	POET RESEARCH	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013170-00001	Research	11/25/2014	11/24/2015	DEC. 2014	
\$24,786	PRAIRIE LAKES AREA EDUCATION AGENCY (AEA 8)	EXPANDING STEM OUTREACH FOR PRAIRIE LAKES AREA EDUCATION AGENCY	KRESS, CATHANN A	UNIVERSITY & COOPERATIVE EXTENSION	VP EXTENSION & OUTREACH	013043-00001	Public Service	9/1/2014	6/30/2015	DEC. 2014	4003067
\$23,858	COLUMBIA UNIVERSITY	US ATLAS DOPM TRAVEL AND TRAVEL SUPPORT	COCHRAN, JAMES	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	012347-00001	Research	2/1/2014	1/31/2015	DEC. 2014	4042155
\$20,217	UNIVERSITY OF PITTSBURGH	PUBERTAL MATURATION AND MOTIVATING INFLUENCES ON FRONTOLIMBIC SYSTEMS	SHIRTCLIFF, ELIZABETH	COLLEGE OF HUMAN SCIENCES	HUMAN DEVELOPMENT & FAMILY STUDIES	013154-00001	Research	7/15/2014	6/30/2015	DEC. 2014	4042821
\$20,000	UNIVERSITY OF ALABAMA HUNTSVILLE	SYSTEMS ENGINEERING EFFECTIVENESS	COMPONATION, PAUL	COLLEGE OF ENGINEERING	INDUSTRIAL & MANUFACTURING SYSTEMS ENGR	010695-00001	Research	7/1/2013	5/31/2015	DEC. 2014	4042036
\$20,000	OSTEO CERAMICS INC	OSTER CERAMIC APPLICATION AS THERAPY AGAINST STAPHYLOCOCCUS AUREUS	BELLAIRE, BRYAN HOWARD	COLLEGE OF VETERINARY MEDICINE	VETERINARY MICROBIOLOGY & PREV MEDICINE	013106-00001	Research	1/5/2015	6/30/2015	DEC. 2014	4002395

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\$19,170	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	013056-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194503
\$16,469	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	VERITAS-PARTICLE ASTROPHYSICS	KRENNRICH, FRANK	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	005914-00001	Research	7/1/2000	4/30/2015	DEC. 2014	4042119
\$15,950	BASF CORPORATION	NON-CONFIDENTIAL FIELD TRIAL	MUELLER, DAREN SHANE	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	013038-00001	Research	6/1/2014	5/31/2015	DEC. 2014	
\$15,000	AGRI-FIBERBOARD INC	CB2 AGRI-FIBERBOARD MEMBERSHIP	GREWELL, DAVID	AG EXPERIMENT STATION	CENTER FOR CROPS UTILIZATION	013042-00001	Research	12/1/2014	11/30/2015	DEC. 2014	
\$15,000	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	013063-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194510
\$13,770	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	BAUM, THOMAS J	AG EXPERIMENT STATION	PLANT PATHOLOGY	013062-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194505
\$12,578	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	BEATTIE, GWYN A	AG EXPERIMENT STATION	PLANT PATHOLOGY	013067-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194527
\$11,448	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	013058-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194511
\$11,313	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	013064-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194516
\$10,023	SOUTHERN ILLINOIS	IDENTIFICATION AND BIOLOGY OF	LEANDRO, LEONOR F S	AG EXPERIMENT	PLANT PATHOLOGY	011483-00001	Research	10/1/2013	12/31/2014	DEC. 2014	4004205

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	UNIVERSITY	SEEDLING PATHOGENS OF SOYBEAN		STATION							
\$10,000	IOWA PUREBRED SWINE COUNCIL	GRADUATE STUDENT SUPPORT	BAAS, THOMAS JOHN	AG EXPERIMENT STATION	ANIMAL SCIENCE	007044-00001	Public Service	1/1/2011	12/31/2014	DEC. 2014	4004331
\$10,000	NORTHERN ARIZONA UNIVERSITY	IMPROVING ADAPTIVE/ RESPONSIVE SIGNAL CONTROL PERFORMANCE: IMPLICATIONS OF NON-INVASIVE DETECTION AND LEGACY TIMING PRACTICES	SHARMA, ANUJ	COLLEGE OF ENGINEERING	INST FOR TRANSPORTATION (INTRANS)	013103-00001	Research	10/1/2014	6/30/2016	DEC. 2014	4041761
\$9,999	KORONIS BIOMEDICAL TECHNOLOGIES	INHALER TRAINING DEVICE FOR ASTHMA AND COPD PATIENT EDUCATION	DORNEICH, MICHAEL	COLLEGE OF ENGINEERING	INDUSTRIAL & MANUFACTURING SYSTEMS ENGR	013112-00001	Research	10/1/2014	7/31/2015	DEC. 2014	4046050
\$9,855	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	013060-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194515
\$9,450	DOD-ARMY RESEARCH LABORATORY (ARL)	NON-EQUILIBRIUM QUANTUM MATTER AND PHASE TRANSITIONS CREATED BY STRONGLY-CORRELATED ULTRAFast EXCITATIONS	WANG, JIGANG	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	013024-00001	Research	12/2/2014	7/1/2015	DEC. 2014	4212108
\$9,398	ED-US DEPARTMENT OF EDUCATION	TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND	JOHNSON, ROBERTA L	VICE PRESIDENT FOR STUDENT AFFAIRS	STUDENT FINANCIAL AID	012178-00001	Scholarships & Fellowships	7/1/2014	6/30/2015	DEC. 2014	4325752

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		HIGHER EDUCATION (TEACH) GRANT, FY15									
\$9,200	CJ BIO AMERICA INC	CREEPING BENTGRASS ROOTING RESPONSE TO A LYSINE BYPRODUCT	CHRISTIANS, NICK E	AG EXPERIMENT STATION	HORTICULTURE	013033-00001	Research	11/14/2014	12/31/2015	DEC. 2014	4004241
\$8,964	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	BEITZ, DONALD C	AG EXPERIMENT STATION	ANIMAL SCIENCE	013071-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194529
\$8,791	CEMENT ASSOCIATION OF CANADA	MANAGEMENT OF THE NATIONAL CONCRETE PAVEMENT TECHNOLOGY CENTER	CAKLER, ELLS THOMAS	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	013049-00001	Research	1/1/2014	12/31/2016	DEC. 2014	4001777
\$8,000	MARGO MARSH BIODIVERSITY FOUNDATION	IMPROVING A BIOLOGICAL CORRIDOR NETWORK FOR THE ENDANGERED BLACK-HANDED SPIDER MONKEY (ATELES GEOFFROYI) AT REFUGIO NACIONAL DE VIDA SILVERSTRE GANDOCA-MANZANILLO, COSTA RICA	PRUETZ, JILL D	COLLEGE OF LIBERAL ARTS & SCIENCES	ANTHROPOLOGY	013101-00001	Research	12/15/2014	8/31/2016	DEC. 2014	4002128
\$5,677	NATIONAL PORK BOARD	DEVELOPMENT OF STANDARD PLANS, FORMS AND SUMMARY REPORTS FOR OUTBREAK INVESTIGATIONS CONDUCTED BY	HOLTKAMP, DERALD J	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	013035-00001	Research	11/24/2014	1/23/2015	DEC. 2014	4532353

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		RAPID RESPONSE TEAMS									
\$5,500	SIOUX CITY COMMUNITY SCHOOL DISTRICT	SAFE AND SUPPORTIVE SCHOOLS PROGRAM FOR SIOUX CITY WEST HIGH SCHOOL	CONNOT-PEREZ, CHERYL	UNIVERSITY & COOPERATIVE EXTENSION	EXTENSION TO YOUTH & 4H	011395-00001	Public Service	10/1/2013	5/31/2015	DEC. 2014	4003317
\$5,000	WISCONSIN DEPARTMENT OF NATURAL RESOURCES	ECOSYSTEM SERVICES VALUATION REPORT FOR WISCONSIN DEPARTMENT OF NATURAL RESOURCES	TYNDALL, JOHN CHARLES	AG EXPERIMENT STATION	NATURAL RESOURCE ECOLOGY & MGMT	013051-00001	Research	9/1/2014	12/31/2014	DEC. 2014	4004243
\$5,000	OPX BIOTECHNOLOGIES INC	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013183-00001	Research	9/12/2014	9/11/2015	DEC. 2014	
\$4,968	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	HOGBERG, MAYNARD GORDON	AG EXPERIMENT STATION	ANIMAL SCIENCE	013057-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194522
\$4,500	PENNSYLVANIA STATE UNIVERSITY	ON THE BORDER OF THE SYRIAN REFUGEE CRISIS: VIEWS FROM TWO DIFFERENT CULTURAL PERSPECTIVES	DIMITROVA, DANIELA	COLLEGE OF LIBERAL ARTS & SCIENCES	JOURNALISM & MASS COMMUNICATION	013128-00001	Research	7/1/2014	6/30/2015	DEC. 2014	4002135
\$4,400	UNITED PHOSPHORUS INC	NON-CONFIDENTIAL FIELD TRIALS	ROBERTSON, ALISON E	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	013132-00001	Research	5/1/2014	4/30/2015	DEC. 2014	
\$4,320	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	BAUM, THOMAS J	AG EXPERIMENT STATION	PLANT PATHOLOGY	013061-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194512

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\$4,089	LEIDOS INC	INFORMATIONAL GUIDE ON ROAD DIETS AND OTHER ROADWAY CONFIGURATIONS	KNAPP, KEITH K	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	006165-00001	Research	9/13/2012	12/31/2014	DEC. 2014	4041733
\$2,750	AGBIOME INC	NON-CONFIDENTIAL FIELD TRIAL	MUELLER, DAREN SHANE	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	013153-00001	Research	5/1/2014	4/30/2015	DEC. 2014	
\$2,500	NATIONAL CORN GROWERS ASSOCIATION	CENTER FOR BIORENEWABLE CHEMICALS	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013181-00001	Research	9/23/2014	9/22/2015	DEC. 2014	
\$1,350	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	013059-00001	Public Service	10/1/2014	12/11/2014	DEC. 2014	4194519
\$1,000	ALLYLIX INC	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013159-00001	Research	9/16/2014	9/15/2015	DEC. 2014	
\$1,000	CONAGEN INC	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013162-00001	Research	8/26/2014	8/25/2015	DEC. 2014	
\$1,000	PARETO BIOTECHNOLOGIES INC	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013172-00001	Research	9/30/2014	9/29/2015	DEC. 2014	
\$1,000	TECHNOLOGY HOLDING LLC	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013174-00001	Research	10/4/2014	10/3/2015	DEC. 2014	
\$1,000	VARIFAS BIORENEWABLES LLC	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013177-00001	Research	7/10/2014	7/9/2015	DEC. 2014	
\$1,000	OMEGACHEA	CENTER FOR BIORENEWABLE CHEMICALS	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013178-00001	Research	11/21/2014	11/20/2015	DEC. 2014	
\$1,000	SOUTH DAKOTA	CENTER FOR	SHANKS,	COLLEGE OF	CTR FOR	013179-00001	Research	10/7/2014	10/6/2015	DEC.	

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	INNOVATION PARTNERS	BIORENEWABLE CHEMICALS (CBIRC)	BRENT H	ENGINEERING	BIORENEWABLE CHEMICALS					2014	
\$1,000	SUSTAINABLE BIOPRODUCTS LLC	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013182-00001	Research	10/16/2014	10/15/2015	DEC. 2014	
\$1,000	IOWA CORN PROMOTION BOARD	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013184-00001	Research	12/15/2014	12/14/2015	DEC. 2014	
\$814	BECHTEL MARINE PROPULSION CORPORATION-KNOLLS ATOMIC POWER LABORATORY	NDE STRESS MEASUREMENTS-CAPABILITIES OF PRESENT CNDE METHODS	GRAY, JOSEPH NAHUM	COLLEGE OF ENGINEERING	CENTER FOR NON-DESTRUCT EVALUATION	012671-00001	Research	9/17/2014	2/20/2015	DEC. 2014	4002030
\$500	PURE OLEOCHEMICALS INC	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013173-00001	Research	9/13/2014	9/12/2015	DEC. 2014	
\$500	THE GREATER DES MOINES PARTNERSHIP	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC)	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	013180-00001	Research	12/20/2014	12/19/2015	DEC. 2014	