

**Calendar Year:** 2016  
**Month:** Dec

**Award Count:** 112  
**Award Total:** \$15,702,647

Award Amount	Sponsor	Award Title	PI	Lead Org Unit	Lead Org Dept	Award Number	Activity Type	Start Date	End Date	Award Register Date	Account
\$2,500,000	DOE-ADVANCED RESEARCH PROJECTS AGENCY-ENERGY (ARPA-E)	STRONG, HIGH LI+ ION CONDUCTIVITY, LI-IMPERMEABLE THIN-RIBBON GLASSY SOLID ELECTROLYTES	MARTIN, STEVE WARTHEN	COLLEGE OF ENGINEERING	MATERIALS SCIENCE & ENGINEERING	016219-00001	Research	2/1/2017	1/31/2020	DEC. 2016	4012008
\$979,399	VARIOUS ISUF DONORS-INDIVIDUAL	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015915-00001	Institutional Support	6/1/2016	5/31/2017	DEC. 2016	
\$820,021	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	NRI: SALIENCY-DRIVEN ROBOTIC NETWORK FOR SPATIO-TEMPORAL PLANT PHENOTYPING	BHATTACHARYA, SOURABH	COLLEGE OF ENGINEERING	MECHANICAL ENGINEERING	016612-00001	Research	12/15/2016	12/14/2019	DEC. 2016	4162011
\$664,069	VARIOUS ISUF DONORS-INDIVIDUAL	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015913-00001	Scholarships & Fellowships	6/1/2016	5/31/2017	DEC. 2016	
\$540,294	IOWA DEPARTMENT OF AGRICULTURE & LAND STEWARDSHIP	WATER AND NUTRIENT RESEARCH: IN-FIELD AND OFFSITE STRATEGIES	HELMERS, MATTHEW JUSTIN	UNIVERSITY & COOPERATIVE EXTENSION	AG & BIOSYSTEMS ENGINEERING	007991-00001	Research	1/1/2007	12/31/2017	DEC. 2016	4713015
\$503,154	VARIOUS ISUF DONORS-INDIVIDUAL	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015912-00001	Research	6/1/2016	5/31/2017	DEC. 2016	
\$500,000	INTERNATIONAL FERTILIZER DEVELOPMENT CENTER	GHANA-FEED THE FUTURE AGRICULTURE TECHNOLOGY TRANSFER	MISRA, MANJIT KUMAR	AG EXPERIMENT STATION	GLOBAL AG PROGRAMS	010601-00001	Instruction	4/15/2013	12/31/2017	DEC. 2016	4044062
\$500,000	IOWA SOYBEAN ASSOCIATION	ADVANCED TEACHING AND RESEARCH BUILDING, RESEARCH SPONSORSHIP	WINTERSTEEN, WENDY	AG EXPERIMENT STATION	AES ADMIN CONTROL	016568-00001	Research	11/30/2016	11/30/2036	DEC. 2016	4504711
\$406,134	BIOMARIN PHARMACEUTICAL INC	TWENTY-SIX WEEK OR LONGER INTRACEREBROVENTRICULAR (ICV) INFUSION STUDY OF BMN 250 ADMINISTERED BIWEEKLY IN A CANINE MODEL OF	ELLINWOOD, NORMAN MATTHEW	AG EXPERIMENT STATION	ANIMAL SCIENCE	012418-00001	Research	4/1/2014	12/31/2017	DEC. 2016	4004306

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		MUCOPOLYSACCHARIDOSIS TYPE IIIB (MPS IIIB); STUDY #BMN250-13-046									
\$386,050	VARIOUS ISUF DONORS-INDIVIDUAL	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015914-00001	Academic Support	6/1/2016	5/31/2017	DEC. 2016	
\$326,000	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	NATIONAL ANIMAL HEALTH LABORATORY NETWORK ACTIVITIES FOR IOWA STATE UNIVERSITY	MAIN, RODGER GARY	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	016573-00001	Research	9/1/2016	8/31/2017	DEC. 2016	4162318
\$278,252	ZOETIS	SITE-SPECIFIC MUTANTS IN MYCOPLASMA BOVIS	MINION, FRANK C	COLLEGE OF VETERINARY MEDICINE	VETERINARY MICROBIOLOGY & PREV MEDICINE	016651-00001	Research	12/21/2016	12/21/2018	DEC. 2016	4006356
\$272,599	VARIOUS ISUF DONORS-INDIVIDUAL	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015911-00001	Operations & Maintenance	6/1/2016	5/31/2017	DEC. 2016	
\$271,577	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS)	BIOSYNTHESIS OF (DI)TERPENE SCAFFOLDS	PETERS, REUBEN J	COLLEGE OF LIBERAL ARTS & SCIENCES	BIOCHEMISTRY & BIOPHYSICS	016600-00001	Research	12/8/2016	11/30/2017	DEC. 2016	4302135
\$270,000	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	PAPM EAGER: TRANSPARENT SOIL TECHNOLOGIES FOR ROOT AND RHIZOSPHERE PHENOTYPING	CADEMARTIRI, LUDOVICO	COLLEGE OF ENGINEERING	MATERIALS SCIENCE & ENGINEERING	016551-00001	Research	12/1/2016	11/30/2018	DEC. 2016	4162010
\$260,000	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	PAPM EAGER ADVANCING PHENOMICS CAPACITY TO EMPOWER BIOLOGICAL RESEARCH	YU, JIANMING	AG EXPERIMENT STATION	AGRONOMY	016559-00001	Research	12/1/2016	11/30/2018	DEC. 2016	4164175
\$245,048	CORPORATION FOR PUBLIC BROADCASTING	FY 2017 COMMUNITY SERVICE GRANT	GREGORY, KATHERINE LOUISE	SR VP FOR UNIV SERVICES	WOI RADIO	016584-00001	Public Service	10/1/2016	9/30/2018	DEC. 2016	4001204
\$217,162	NIH-NATIONAL	TARGETING PLASMODIUM	NELSON, SCOTT	AG	BIOCHEMISTRY &	016570-00001	Research	12/5/2016	11/30/2017	DEC.	4304604

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	INSTITUTE OF ALLERGY & INFECTIOUS DISEASES (NIAID)	APICOPLAST DNA REPLICATION FOR THE TREATMENT AND PREVENTION OF MALARIA	W	EXPERIMENT STATION	BIOPHYSICS					2016	
\$208,586	VARIOUS ISUF DONORS-INDUSTRY/CORPORATE	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015917-00001	Institutional Support	6/1/2016	5/31/2017	DEC. 2016	
\$194,639	MICHIGAN STATE UNIVERSITY	A GENOME-LEVEL APPROACH TO BALANCING THE VITAMIN CONTENT OF MAIZE GRAIN	YU, JIANMING	AG EXPERIMENT STATION	AGRONOMY	016569-00001	Research	8/1/2016	7/31/2018	DEC. 2016	4044104
\$191,800	VARIOUS ISUF DONORS-INDUSTRY/CORPORATE	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015919-00001	Research	6/1/2016	5/31/2017	DEC. 2016	
\$191,745	MICHIGAN STATE UNIVERSITY	BHEARD PHD TRAINING PROGRAM-RWANDA	MAIER, DIRK EBERHARD	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	015970-00001	Instruction	8/1/2016	7/31/2021	DEC. 2016	4044092
\$190,518	MICHIGAN STATE UNIVERSITY	BHEARD PHD TRAINING PROGRAM - GHANA	WINHAM, DONNA	AG EXPERIMENT STATION	FOOD SCIENCE & HUMAN NUTRITION	015682-00001	Instruction	8/1/2016	7/31/2021	DEC. 2016	4044085
\$182,660	NIH-NATIONAL INSTITUTE OF ALLERGY & INFECTIOUS DISEASES (NIAID)	EATING WORMS: AN UNUSUAL NICOTINIC ACETYLCHOLINE RECEPTOR FROM THE NEMATODE PHARYNX AS A POTENTIAL DRUG TARGET	ROBERTSON, ALAN P	VP FOR RESEARCH	ICAN (IA CTR FOR ADV NEUROTOX)	014973-00001	Research	1/8/2016	12/31/2017	DEC. 2016	4302336
\$180,965	BIOMARIN PHARMACEUTICAL INC	WORK IN SUPPORT OF ERT THERAPY IN THE MPS IIIB CANINE MODEL	ELLINWOOD, NORMAN MATTHEW	AG EXPERIMENT STATION	ANIMAL SCIENCE	007771-00001	Research	1/1/2013	12/31/2017	DEC. 2016	4004376
\$175,000	IOWA DEPARTMENT OF TRANSPORTATION	FATIGUE EVALUATION OF REINFORCED AND UNREINFORCED HAND HOLES IN LIGHT POLES	ALIPOUR, AZADEH	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	016583-00001	Research	1/1/2017	12/31/2019	DEC. 2016	4747974
\$170,730	RAILWAY TRANSPORT COLLEGE	OCCUPATIONAL SAFETY AND HEALTH TRAINING-OF-TRAINERS PROJECT FOR	MICKELSON, STEVEN K	COLLEGE OF ENGINEERING	AG & BIOSYSTEMS ENGINEERING	016654-00001	Research	12/20/2016	8/31/2018	DEC. 2016	4046077

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		GEORGIA									
\$166,418	SOUTH DAKOTA STATE UNIVERSITY	GENETIC DISSECTION OF GRAIN SIZE REGULATION TO INCREASE WHEAT YIELD POTENTIAL	YANG, BING	COLLEGE OF LIBERAL ARTS & SCIENCES	GENETICS DEVELOPMENT & CELL BIOLOGY	016622-00001	Research	12/1/2016	11/30/2017	DEC. 2016	4102106
\$164,539	UNIVERSITY OF MINNESOTA TWIN CITIES	DISSECTING NATURAL MECHANISMS FOR GENOME CONTENT VARIATION AND THE IMPACT ON PHENOTYPIC VARIATION	NELSON, MARNA DARLENE	AG EXPERIMENT STATION	GENETICS DEVELOPMENT & CELL BIOLOGY	016608-00001	Research	10/1/2016	9/30/2020	DEC. 2016	4044106
\$160,000	SEMICONDUCTOR RESEARCH CORPORATION (SRC)	5 NM PATTERNING OF INORGANIC SOLIDS	CADEMARTIRI, LUDOVICO	COLLEGE OF ENGINEERING	MATERIALS SCIENCE & ENGINEERING	013077-00001	Research	1/1/2015	12/31/2017	DEC. 2016	4006025
\$152,506	SYNGENTA CROP PROTECTION LLC	EFFECT OF SEED TREATMENTS ON PROTECTING CORN STAND FROM INFECTION BY PYTHIUM SPECIES	ROBERTSON, ALISON E	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	016655-00001	Research	1/1/2017	12/31/2018	DEC. 2016	4003946
\$151,133	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	7/31/2017	DEC. 2016	4044051
\$150,000	GENENTECH	EVALUATING THE POTENTIAL OF DNP-SSNMR FOR MOLECULAR CHARACTERIZATION OF STRUCTURE, ORDER, AND DYNAMICS IN SMALL MOLECULE DRUG SUBSTANCE AND DRUG PRODUCTS	ROSSINI, AARON JAMES	COLLEGE OF LIBERAL ARTS & SCIENCES	CHEMISTRY	016643-00001	Research	12/20/2016	12/19/2018	DEC. 2016	4006131
\$143,495	ED-US DEPARTMENT OF EDUCATION	PELL GRANT, FY17	JOHNSON, ROBERTA L	VICE PRESIDENT FOR STUDENT AFFAIRS	STUDENT FINANCIAL AID	015590-00001	Student Financial Aid	7/1/2016	6/30/2017	DEC. 2016	4325773
\$133,106	NSF-NATIONAL	NSFGEO-NERC:	IVERSON, NEAL	COLLEGE OF	GEOLOGICAL &	016610-00001	Research	3/1/2017	2/29/2020	DEC.	4207172

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	SCIENCE FOUNDATION	COLLABORATIVE RESEARCH: TWO-PHASE DYNAMICS OF TEMPERATE ICE	R	LIBERAL ARTS & SCIENCES	ATMOSPHERIC SCIENCES					2016	
\$124,987	IOWA DEPARTMENT OF TRANSPORTATION	EVALUATION, LABORATORY TESTING, CONSTRUCTION DOCUMENTATION, AND FIELD TESTING/MONITORING OF US 52 OVERFLOW BRIDGE OVER MISSISSIPPI RIVER	PHARES, BRENT M	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	016558-00001	Research	12/1/2016	5/31/2020	DEC. 2016	4747968
\$122,847	VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY	S212: IMPL: THE MOLECULAR SCIENCE SOFTWARE INSTITUTE	WINDUS, THERESA L	COLLEGE OF LIBERAL ARTS & SCIENCES	CHEMISTRY	016592-00001	Research	8/1/2016	7/31/2018	DEC. 2016	4046138
\$119,369	DOT-FEDERAL AVIATION ADMINISTRATION (FAA)	PROJECT 17: LED LIGHTING: HOT/COLD PERFORMANCE TESTING-LED LIGHTING RELATED PAVEMENT TEMPERATURE PERFORMANCE	CEYLAN, HALIL	COLLEGE OF ENGINEERING	CIVIL, CONSTR & ENVIRONMENTAL ENGR	014551-00001	Research	8/14/2015	6/30/2017	DEC. 2016	4362009
\$119,181	VARIOUS ISUF DONORS-INDUSTRY/CORPORATE	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015918-00001	Scholarships & Fellowships	6/1/2016	5/31/2017	DEC. 2016	
\$100,000	MIDAMERICAN ENERGY COMPANY	EPRC - MIDAMERICAN	KIMBER, ANNE	COLLEGE OF ENGINEERING	ELECTRICAL ENGINEERING & COMPUTER ENGR	005480-00001	Research	11/1/2005	10/31/2017	DEC. 2016	4002073
\$100,000	VARIOUS ISUF DONORS-NONPROFIT	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015921-00001	Academic Support	6/1/2016	5/31/2017	DEC. 2016	
\$100,000	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	PAPM EAGER: NANOPARTICLE MICROARRAY FOR HIGH-THROUGHPUT CHEMICAL PHENOTYPING OF MICROBIOME	LEE, YOUNG-JIN	COLLEGE OF LIBERAL ARTS & SCIENCES	CHEMISTRY	016507-00001	Research	11/15/2016	11/14/2018	DEC. 2016	4162117
\$94,230	IOWA DEPARTMENT OF TRANSPORTATION	IOWA TRAFFIC SAFETY DATA SERVICE (ITSDS)	HANS, ZACHARY N	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	016586-00001	Research	11/1/2016	10/31/2017	DEC. 2016	4747973

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\$93,801	UNIVERSITY OF CALIFORNIA-LAWRENCE BERKELEY NATIONAL LABORATORY	IMPROVING THE STABILITY AND PERFORMANCE OF MANY FERMION DYNAMICS-NUCLEAR (MFDN)	VARY, JAMES P	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	016567-00001	Research	10/24/2016	8/31/2018	DEC. 2016	4046137
\$76,753	DIAMOND V MILLS	EFFECT OF NATURSAFE IN RECEIVING CATTLE DIETS ON STEER HEALTH, PERFORMANCE, BEHAVIOR AND LIVER ANTIOXIDANT CONCENTRATIONS	HANSEN, STEPHANIE L	AG EXPERIMENT STATION	ANIMAL SCIENCE	016566-00001	Research	11/15/2016	12/31/2017	DEC. 2016	4004543
\$75,000	STATE-US EMBASSY BEIJING	BALD EAGLE-PANDA SERIES: A SUSTAINABLE MODEL OF U.S.-CHINA CULTURE EXCHANGE ON UNIVERSITY CAMPUSES	HAGEDORN, LINDA	COLLEGE OF HUMAN SCIENCES	SCHOOL OF EDUCATION	016619-00001	Instruction	10/1/2016	9/30/2017	DEC. 2016	4332806
\$70,000	IOWA DEPARTMENT OF TRANSPORTATION	PONTIS IMPLEMENTATION AND OPERATION: IOWA DOT	ALDEMIR-BEKTAS, BASAK	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	004459-00001	Research	1/1/2006	12/31/2017	DEC. 2016	4747997
\$70,000	ELECTION SYSTEMS & SOFTWARE LLC	VOTING MACHINES: SUMMATIVE USABILITY TESTS	GILBERT, STEPHEN	VP FOR RESEARCH	VIRTUAL REALITY APPLICATIONS CENTER	016581-00001	Research	11/22/2016	6/30/2017	DEC. 2016	4006520
\$61,626	NOVUS INTERNATIONAL	EVALUATION OF PERI-PARTUM SUPPLEMENTATION OF METHIONINE HYDROXY ANALOG ON COW-CALF PERFORMANCE	GUNN, PATRICK	AG EXPERIMENT STATION	ANIMAL SCIENCE	016560-00001	Research	11/21/2016	9/20/2018	DEC. 2016	4004496
\$61,561	VARIOUS ISUF DONORS-NONPROFIT	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015922-00001	Institutional Support	6/1/2016	5/31/2017	DEC. 2016	
\$60,467	VARIOUS ISUF DONORS-INDUSTRY/CORPORATE	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015916-00001	Academic Support	6/1/2016	5/31/2017	DEC. 2016	
\$57,000	IOWA NUTRIENT RESEARCH AND EDUCATION	EVALUATION OF MEASUREMENT METHODS AS SURROGATES FOR TILE-	SAWYER, JOHN E	AG EXPERIMENT STATION	AGRONOMY	016652-00001	Research	10/1/2016	11/30/2017	DEC. 2016	4004547

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	COUNCIL	FLOW NITRATE-N CONCENTRATIONS									
\$56,428	MICRONUTRIENTS	DETERMINATION OF RELATIVE BIOAVAILABILITY OF COPPER FROM BASIC COPPER CHLORIDE IN CATTLE	HANSEN, STEPHANIE L	AG EXPERIMENT STATION	ANIMAL SCIENCE	016659-00001	Research	1/1/2017	12/31/2017	DEC. 2016	4004549
\$55,800	FMC CORPORATION	NON-CONFIDENTIAL FIELD TRIAL	NAVI, SHRISHAIL SHARANAPP	AG EXPERIMENT STATION	PLANT PATHOLOGY	016649-00001	Research	5/1/2016	4/30/2017	DEC. 2016	
\$50,099	PURDUE UNIVERSITY	INTERCONNECTED ECOSYSTEM FOR INTEGRATED STEM LEARNING FOR K-2 LEARNERS	TANK, KRISTINA MARIYAMA	COLLEGE OF HUMAN SCIENCES	SCHOOL OF EDUCATION	016554-00001	Research	10/1/2015	9/20/2018	DEC. 2016	4042868
\$50,000	ROCKWELL COLLINS	OPTICAL OBJECT REGISTRATION TO FACILITATE HIGH-FIDELITY CIRCUIT BOARD TRACKING	RADKOWSKI, RAFAEL	VP FOR RESEARCH	VIRTUAL REALITY APPLICATIONS CENTER	015348-00001	Research	5/15/2016	12/31/2017	DEC. 2016	4002575
\$50,000	IOWA DEPARTMENT OF TRANSPORTATION	EVALUATION OF ALTERNATIVE ABUTMENT PILING FOR LOW VOLUME ROAD BRIDGES	SHAFEI-PAMSARI, BEHROUZ	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	016585-00001	Research	1/1/2017	12/31/2017	DEC. 2016	4747969
\$49,994	IOWA DEPARTMENT OF TRANSPORTATION	BEAM END REPAIR FOR PRESTRESSED CONCRETE BEAMS	SHAFEI-PAMSARI, BEHROUZ	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	016595-00001	Research	1/1/2017	12/31/2017	DEC. 2016	4747972
\$49,808	IOWA DEPARTMENT OF TRANSPORTATION	CONSTRUCTION OF NEW SUBSTRUCTURE BENEATH EXISTING BRIDGES	LU, PING	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	016594-00001	Research	1/1/2017	12/31/2017	DEC. 2016	4747971
\$42,872	DOD-ARMY RESEARCH OFFICE (ARO)	TEAM TUTORING WITH GIFT	GILBERT, STEPHEN	VP FOR RESEARCH	VIRTUAL REALITY APPLICATIONS CENTER	015213-00001	Research	2/25/2016	2/24/2017	DEC. 2016	4212508
\$39,543	VARIOUS ISUF DONORS- NONPROFIT	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015923-00001	Scholarships & Fellowships	6/1/2016	5/31/2017	DEC. 2016	
\$38,815	KEYPLEX	PLANT ESSENTIAL OILS FOR	COATS, JOEL	AG	ENTOMOLOGY	016648-00001	Research	12/1/2016	11/30/2017	DEC.	4004546

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	CORPORATION	ENHANCEMENT OF INSECTICIDE EFFICACY		EXPERIMENT STATION						2016	
\$38,424	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	DOBBS, DRENA LEIGH	COLLEGE OF LIBERAL ARTS & SCIENCES	GENETICS DEVELOPMENT & CELL BIOLOGY	016637-00001	Public Service	10/1/2016	9/30/2017	DEC. 2016	4192106
\$37,685	UNIVERSITY OF FLORIDA	ASSESSMENT AND MITIGATION OF AFLATOXIN AND FUMONISIN CONTAMINATION IN ANIMALS FEEDS IN RWANDA	MAIER, DIRK EBERHARD	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	016613-00001	Research	12/10/2016	12/31/2017	DEC. 2016	4044105
\$37,500	HAWAII INVASIVE SPECIES COUNCIL	INTEGRATION OF RAPID OHIA DEATH RESEARCH THROUGH FOREST PATHOLOGY AND PATHOGEN GENETICS	HARRINGTON, THOMAS C	AG EXPERIMENT STATION	PLANT PATHOLOGY	016596-00001	Research	10/1/2016	12/31/2017	DEC. 2016	4004545
\$35,000	TOYOTA MOTOR NORTH AMERICA INC	CENTER FOR NDE MEMBERSHIP	BOND, LEONARD J	COLLEGE OF ENGINEERING	CENTER FOR NON-DESTRUCT EVALUATION	016571-00001	Research	10/18/2016	10/17/2017	DEC. 2016	
\$32,000	KITTRICH CORPORATION	NOVEL MONOTERPENOID-BASED INSECTICIDES FOR BAITs AND SEED TREATMENTS: DESIGN, SYNTHESIS AND EVALUATION, PART 3	COATS, JOEL	AG EXPERIMENT STATION	ENTOMOLOGY	012216-00001	Research	4/1/2014	7/31/2017	DEC. 2016	4004135
\$31,975	AMERICAN SEED TRADE ASSOCIATION	HARMONIZATION OF TESTING FOR PEPPER MILD MOTTLE VIRUS BETWEEN THE UNITED STATES AND MEXICO	MUNKVOLD, GARY PHILLIP	AG EXPERIMENT STATION	SEED SCIENCE CENTER	016599-00001	Research	11/1/2016	10/31/2017	DEC. 2016	4004544
\$31,556	TAITECH INC	COMPRESSIBLE MULTIPHASE FLOW MODEL DEVELOPMENT	REGELE, JONATHAN DAVID	COLLEGE OF ENGINEERING	AEROSPACE ENGINEERING	016620-00001	Research	10/1/2016	12/31/2016	DEC. 2016	4046078
\$30,000	BERRY PLASTICS CORPORATION	CB2 BERRY PLASTICS CORPORATION MEMBERSHIP	GREWELL, DAVID	AG EXPERIMENT STATION	CENTER FOR CROPS UTILIZATION	016627-00001	Public Service	1/1/2017	12/31/2017	DEC. 2016	
\$30,000	VISKASE	CB2 VISKASE COMPANIES	GREWELL,	AG	CENTER FOR	016630-00001	Public	1/1/2017	12/31/2017	DEC.	



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	COMPANIES INC	CB2 MEMBERSHIP	DAVID	EXPERIMENT STATION	CROPS UTILIZATION		Service			2016	
\$30,000	ARCHER DANIELS MIDLAND COMPANY	CB2 ADM COMPANY MEMBERSHIP	GREWELL, DAVID	AG EXPERIMENT STATION	CENTER FOR CROPS UTILIZATION	016641-00001	Public Service	1/1/2017	12/31/2017	DEC. 2016	
\$25,000	PURDUE UNIVERSITY	USB MULTISTATE HERBICIDE RESISTANT CROPS AND WEEDS-YEAR 2	OWEN, MICHAEL D	AG EXPERIMENT STATION	AGRONOMY	016556-00001	Research	10/1/2016	9/30/2017	DEC. 2016	4004494
\$25,000	PRATT & WHITNEY - A DIVISION OF UNITED TECHNOLOGIES CORPORATION	THERMAL IMAGE RECONSTRUCTION AND SYNTHESIS: PHASE I FEASIBILITY STUDY	CHIOU, CHIEN-PING	COLLEGE OF ENGINEERING	CENTER FOR NON-DESTRUCT EVALUATION	016563-00001	Research	11/1/2016	1/31/2017	DEC. 2016	4006226
\$25,000	SENTIENT CORPORATION	RELIABILITY CENTERED ADDITIVE MANUFACTURING DESIGN FRAMEWORK - SBIR - PHASE 1 - OPTION 1	BOND, LEONARD J	COLLEGE OF ENGINEERING	CENTER FOR NON-DESTRUCT EVALUATION	016603-00001	Research	12/2/2016	2/28/2017	DEC. 2016	4042538
\$25,000	INDIANA UNIVERSITY	MIDWEST AND PLAINS EQUITY ASSISTANCE CENTER: CIVIL RIGHTS TRAINING AND ADVISORY SERVICES-EQUITY ASSISTANCE CENTERS PROGRAM	SPIKES, DANIEL	COLLEGE OF HUMAN SCIENCES	SCHOOL OF EDUCATION	016647-00001	Research	10/1/2016	9/30/2017	DEC. 2016	4042869
\$25,000	GRAIN PROCESSING CORPORATION	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	016653-00001	Research	12/1/2016	11/30/2017	DEC. 2016	
\$25,000	HELMHOLTZ ZENTRUM MUNCHEN - GERMAN RESEARCH CENTER FOR ENVIRONMENTAL HEALTH	SCREENING OF METHANOBACTINS FOR THE TREATMENT OF WILSON DISEASE	DISPIRITO, ALAN ANGELO	AG EXPERIMENT STATION	BIOCHEMISTRY & BIOPHYSICS	016657-00001	Research	12/21/2016	12/20/2018	DEC. 2016	4004550
\$24,975	WINN FELINE FOUNDATION	THE EFFECTS OF ORAL ANTI-INFLAMMATORY	WARD, JESSICA LYNN	COLLEGE OF VETERINARY	VET CLINICAL SCIENCES	016557-00001	Research	3/1/2017	3/1/2018	DEC. 2016	4006355

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		GLUCOCORTICOIDS ON GLUCOSE HOMEOSTASIS AND FLUID BALANCE IN CLINICALLY HEALTHY CATS		MEDICINE							
\$23,512	IOWA NUTRIENT RESEARCH AND EDUCATION COUNCIL	ASSESSMENT OF HISTORIC ADOPTION OF AG NONPOINT SOURCE PRACTICES WHICH REDUCE NUTRIENT TRANSPORT TO WATER RESOURCES	HELMERS, MATTHEW JUSTIN	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	016440-00001	Research	9/1/2016	12/31/2016	DEC. 2016	4004539
\$22,574	HONEYWELL	TOOL DEVELOPMENT FOR HILITE SOFTWARE PROJECT	KUMAR, RATNESH	COLLEGE OF ENGINEERING	ELECTRICAL ENGINEERING & COMPUTER ENGR	016337-00001	Research	8/16/2016	3/31/2017	DEC. 2016	4046075
\$20,194	VALENT BIOSCIENCES CORPORATION	CONFIDENTIAL FIELD TRIAL	MUELLER, DAREN SHANE	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	016576-00001	Research	6/15/2016	12/15/2016	DEC. 2016	4003943
\$19,260	COLUMBIA UNIVERSITY	US ATLAS DOPM TRAVEL AND TRAVEL SUPPORT	COCHRAN, JAMES	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	012347-00001	Research	2/1/2014	1/31/2017	DEC. 2016	4042155
\$17,200	VARIOUS ISUF DONORS-NONPROFIT	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015924-00001	Research	6/1/2016	5/31/2017	DEC. 2016	
\$15,800	DUPONT	NON-CONFIDENTIAL FIELD TRIAL	ROBERTSON, ALISON E	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	016609-00001	Research	3/1/2016	12/31/2016	DEC. 2016	
\$15,000	WASHINGTON STATE DEPARTMENT OF ECOLOGY	CB2 NORTHWEST GREEN CHEMISTRY/WASHINGTON DEPARTMENT OF ECOLOGY MEMBERSHIP	GREWELL, DAVID	AG EXPERIMENT STATION	CENTER FOR CROPS UTILIZATION	016625-00001	Public Service	1/1/2017	12/31/2017	DEC. 2016	
\$15,000	DIXIE CHEMICAL	CB2 DIXIE CHEMICAL MEMBERSHIP	GREWELL, DAVID	AG EXPERIMENT STATION	CENTER FOR CROPS UTILIZATION	016626-00001	Public Service	1/1/2017	12/31/2017	DEC. 2016	
\$15,000	BRANSON ULTRASONICS CORPORATION	CB2 BRANSON ULTRASONICS MEMBERSHIP	GREWELL, DAVID	AG EXPERIMENT STATION	CENTER FOR CROPS UTILIZATION	016628-00001	Public Service	1/1/2017	12/31/2017	DEC. 2016	

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\$15,000	SIEGWERK USA CO	CB2 SIEGWERK USA MEMBERSHIP	GREWELL, DAVID	AG EXPERIMENT STATION	CENTER FOR CROPS UTILIZATION	016631-00001	Public Service	1/1/2017	12/31/2017	DEC. 2016	
\$15,000	SELFECO LLC	CB2 SELFECO MEMBERSHIP	GREWELL, DAVID	AG EXPERIMENT STATION	CENTER FOR CROPS UTILIZATION	016632-00001	Public Service	1/1/2017	12/31/2017	DEC. 2016	
\$15,000	INLAND LABEL	CB2 INLAND LABEL MEMBERSHIP	GREWELL, DAVID	AG EXPERIMENT STATION	CENTER FOR CROPS UTILIZATION	016633-00001	Public Service	1/1/2017	12/31/2017	DEC. 2016	
\$15,000	EVOLVE GOLF INC	CB2 EVOLVE GOLF MEMBERSHIP	GREWELL, DAVID	AG EXPERIMENT STATION	CENTER FOR CROPS UTILIZATION	016634-00001	Public Service	1/1/2017	12/31/2017	DEC. 2016	
\$15,000	RHETECH INC	CB2 RHETECH MEMBERSHIP	GREWELL, DAVID	AG EXPERIMENT STATION	CENTER FOR CROPS UTILIZATION	016638-00001	Public Service	1/1/2017	12/31/2017	DEC. 2016	
\$15,000	DUKANE CORPORATION	CB2 DUKANE CORPORATION MEMBERSHIP	GREWELL, DAVID	AG EXPERIMENT STATION	CENTER FOR CROPS UTILIZATION	016639-00001	Public Service	1/1/2017	12/31/2017	DEC. 2016	
\$15,000	LAUREL BIOCOMPOSITE	CB2 LAUREL BIOCOMPOSITE MEMBERSHIP	GREWELL, DAVID	AG EXPERIMENT STATION	CENTER FOR CROPS UTILIZATION	016640-00001	Public Service	1/1/2017	12/31/2017	DEC. 2016	
\$12,172	BATTELLE MEMORIAL INSTITUTE-PACIFIC NORTHWEST NATIONAL LABORATORY	TEMPORAL MODELING IN INTEGRATED PREDICTIVE ANALYTICS METHODOLOGIES FOR STREAMING DATA	CARAGEA, PETRUTA CARMEN	COLLEGE OF LIBERAL ARTS & SCIENCES	STATISTICS	016134-00001	Research	9/6/2016	12/30/2016	DEC. 2016	4046128
\$10,000	IOWA DEPARTMENT OF TRANSPORTATION	COLLECTION OF FREEZE-THAW PERFORMANCE DATA ON VAIL AVENUE	ASHLOCK, JERAMY CURTIS	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	016593-00001	Research	11/18/2016	7/31/2017	DEC. 2016	4747970
\$9,994	NSF-NATIONAL SCIENCE FOUNDATION	MIDWEST VERIFICATION DAY 2016	MINER, ANDREW S	COLLEGE OF LIBERAL ARTS & SCIENCES	COMPUTER SCIENCE	016621-00001	Instruction	11/15/2016	4/30/2017	DEC. 2016	4207173
\$8,790	UNIVERSITY OF WISCONSIN MADISON	BUILDING CAPACITY FOR WATERSHED LEADERSHIP AND MANAGEMENT IN	BENNING, JAMIE L	UNIVERSITY & COOPERATIVE	EXTENSION TO AG-EXTENSION	016644-00001	Public Service	10/1/2016	9/30/2021	DEC. 2016	4043006

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		TWELVE MISSISSIPPI RIVER BASIN STATES		EXTENSION							
\$7,367	IOWA DEPARTMENT OF NATURAL RESOURCES	ACOUSTIC MONITORING OF IOWA BATS	BLANCHONG, JULIE ANNE	AG EXPERIMENT STATION	NATURAL RESOURCE ECOLOGY & MGMT	015640-00001	Research	6/1/2016	10/15/2017	DEC. 2016	4734115
\$6,250	GLOBAL SCIENCE & TECHNOLOGY INC	METEOROLOGICAL ASSIMILATION DATA INGEST SYSTEM (MADIS)	ARRITT, RAYMOND W	AG EXPERIMENT STATION	AGRONOMY	014824-00001	Research	9/28/2015	1/16/2017	DEC. 2016	4044205
\$5,590	ED-US DEPARTMENT OF EDUCATION	TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND HIGHER EDUCATION (TEACH) GRANT, FY17	JOHNSON, ROBERTA L	VICE PRESIDENT FOR STUDENT AFFAIRS	STUDENT FINANCIAL AID	015589-00001	Scholarships & Fellowships	7/1/2016	6/30/2017	DEC. 2016	4325772
\$5,500	CITY OF DUBUQUE IOWA	CENTRAL AVENUE CORRIDOR INITIATIVE	TOOTLE, DEBORAH MARIE	UNIVERSITY & COOPERATIVE EXTENSION	COMMUNITIES-EXTENSION	015775-00001	Public Service	6/1/2016	6/30/2017	DEC. 2016	4003385
\$5,000	SOUTHERN ILLINOIS UNIVERSITY	DEVELOPING A COMPREHENSIVE MANAGEMENT PROGRAM FOR FOLIAR DISEASES OF SOYBEAN (YEAR 3)	MUELLER, DAREN SHANE	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	016660-00001	Research	10/1/2016	9/30/2017	DEC. 2016	4003947
\$4,000	UNIVERSITY OF LOUISVILLE	DEVELOPING AN EQUITY RESPONSIVE CLIMATE: ENHANCING INSTRUCTIONAL CAPACITY TO INCREASE STUDENT LEARNING	SPIKES, DANIEL	COLLEGE OF HUMAN SCIENCES	SCHOOL OF EDUCATION	016611-00001	Research	7/1/2016	6/30/2017	DEC. 2016	4006403
\$3,610	EASTERN IOWA TOURISM ASSOCIATION	CUSTOMER SERVICE AND TOURISM WORKSHOPS	TAYLOR, GARY D	UNIVERSITY & COOPERATIVE EXTENSION	COMMUNITIES-EXTENSION	016300-00001	Public Service	10/1/2016	6/30/2017	DEC. 2016	4003937
\$3,514	YOUTH SPORT TRUST	DEVELOPMENT AND CALIBRATION OF A MODIFIED YOUTH ACTIVITY PROFILE	WELK, GREGORY	COLLEGE OF HUMAN SCIENCES	KINESIOLOGY	016616-00001	Research	10/1/2016	12/31/2017	DEC. 2016	4006404
\$2,625	VARIOUS ISUF DONORS-	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015925-00001	Operations &	6/1/2016	5/31/2017	DEC. 2016	

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	NONPROFIT						Maintenance				
\$1,300	VARIOUS ISUF DONORS-INDUSTRY/CORPORATE	IOWA STATE UNIVERSITY DONATIONS	LEATH, STEVEN	PRESIDENT	PRESIDENT	015920-00001	Operations & Maintenance	6/1/2016	5/31/2017	DEC. 2016	
\$500	OMEGACHEA	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP	SHANKS, BRENT H	COLLEGE OF ENGINEERING	CTR FOR BIORENEWABLE CHEMICALS	016565-00001	Research	11/16/2016	11/20/2017	DEC. 2016	
\$500	PHINIX LLC	CMI AFFILIATE PROGRAM MEMBERSHIP	KING, ALEXANDER	AMES LABORATORY	AMES LABORATORY	016580-00001	Public Service	6/1/2016	5/31/2017	DEC. 2016	
\$500	MONTANA TECH OF THE UNIVERSITY OF MONTANA	CMI AFFILIATE PROGRAM MEMBERSHIP	KING, ALEXANDER	AMES LABORATORY	AMES LABORATORY	016588-00001	Public Service	10/1/2016	9/30/2017	DEC. 2016	