

Calendar Year: 2019
Month: May

Award Count: 167
Award Total: \$53,550,349

Award Amount	Sponsor	Award Title	PI	Lead Org Unit	Lead Org Dept	Award Number	Activity Type	Start Date	End Date	Award Register Date	Account
\$11,325,559	VARIOUS ISUF DONORS-INDIVIDUAL	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019264-00001	Institutional Support	6/1/2018	5/31/2019	MAY 2019	
\$9,935,311	DOE-US DEPARTMENT OF ENERGY	AMES LAB	SCHWARTZ, ADAM	AMES LABORATORY	AMES LABORATORY	004881-00001	Research	1/1/1981	12/31/2021	MAY 2019	4012501
\$3,999,923	DOC-NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY (NIST)	NIST CENTER OF EXCELLENCE IN FORENSIC SCIENCE AND STATISTICS	CARRIQUIRY, ALICIA LAURA	VP FOR RESEARCH	CTR FOR STAT & APPL IN FORENSIC EVIDENCE	013927-00001	Research	6/1/2015	5/31/2020	MAY 2019	4261702
\$2,629,550	VARIOUS ISUF DONORS-NONPROFIT	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019277-00001	Operations & Maintenance	6/1/2018	5/31/2019	MAY 2019	
\$1,422,423	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	2019 HATCH FUNDING	COLLETTI, JOE PAUL	AG EXPERIMENT STATION	AES ADMIN CONTROL	020275-00001	Research	10/1/2018	9/30/2020	MAY 2019	
\$975,545	SBA-US SMALL BUSINESS ADMINISTRATION	2019 SBA COOPERATIVE AGREEMENT	SHIMKAT, LISA MARIE	COLLEGE OF BUSINESS	SMALL BUSINESS DEVELOPMENT CENTER	019994-00001	Public Service	10/1/2018	9/30/2020	MAY 2019	4350818
\$886,649	IOWA DEPARTMENT OF EDUCATION	STATE OF IOWA LIBRARIES ONLINE PROJECT (SILO)	MCNEIL, MARY ELIZABETH	LIBRARY	LIBRARY	020763-00001	Public Service	7/1/2019	6/30/2022	MAY 2019	4720902
\$883,042	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	USDA ARS CORE HPC PROPOSAL	COYLE, JAMES JOHN	INFORMATION TECHNOLOGY	IT SVCS-CIO	020738-00001	Public Service	6/1/2019	5/31/2020	MAY 2019	4192605
\$875,826	IOWA DEPARTMENT OF TRANSPORTATION	INVASIVE AND NON INVASIVE SENSING: ASSESSING AGREEMENT BETWEEN MEASUREMENT SYSTEMS	HAWKINS, NEAL R	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	020699-00001	Research	4/15/2019	10/31/2020	MAY 2019	4747625

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\$781,079	JAMES S MCDONNELL FOUNDATION	IMPLEMENTING PRINCIPLES FROM THE SCIENCE OF LEARNING WITHIN EDUCATIONAL PRACTICE	CARPENTER, SHANA K	COLLEGE OF LIBERAL ARTS & SCIENCES	PSYCHOLOGY	016495-00001	Research	12/1/2016	11/30/2023	MAY 2019	4006110
\$750,000	DOD-DEFENSE LOGISTICS AGENCY (DLA)	IOWA PROCUREMENT TECHNICAL ASSISTANCE CENTER	BARTON, LEAH M	COLLEGE OF ENGINEERING	CENTER FOR INDUSTRIAL RESEARCH & SERVICE	020650-00001	Public Service	7/1/2019	6/30/2020	MAY 2019	4213519
\$749,590	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	MECHANISTIC DRIVERS SHAPING ROOT MICROBIOMES AND MICROBIOME DRIVERS OF FITNESS BENEFITS IN DROUGHT-STRESSED PLANTS	BEATTIE, GWYN A	AG EXPERIMENT STATION	PLANT PATHOLOGY	020617-00001	Research	5/1/2019	4/30/2022	MAY 2019	4164214
\$717,000	NORTH CAROLINA STATE UNIVERSITY	DAIRY RECORDS MANAGEMENT SYSTEM	BEERMANN, DONALD H	UNIVERSITY & COOPERATIVE EXTENSION	ANIMAL SCIENCE	020615-00001	Public Service	5/1/2019	4/30/2020	MAY 2019	4003726
\$652,366	VARIOUS ISUF DONORS-INDIVIDUAL	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019265-00001	Scholarships & Fellowships	6/1/2018	5/31/2019	MAY 2019	
\$570,078	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	2019 HATCH MULTISTATE FUNDING	COLLETTI, JOE PAUL	AG EXPERIMENT STATION	AES ADMIN CONTROL	019924-00001	Research	10/1/2018	9/30/2020	MAY 2019	4134900
\$500,000	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	RURAL DRINKING WATER HABITS, INFORMATION PROVISION, AND POLLUTION EXPOSURE	LADE, GABRIEL E	AG EXPERIMENT STATION	CENTER FOR AG & RURAL DEVELOPMENT	020682-00001	Research	5/7/2019	5/6/2022	MAY 2019	4164220
\$499,999	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	QUANTIFYING THE TRANSMISSION OF US-CHINA AND GLOBAL POLICY IMPACTS THROUGH A NEW COMMODITY-SPECIFIC	BALISTRERI, EDWARD J	AG EXPERIMENT STATION	CENTER FOR AG & RURAL DEVELOPMENT	020635-00001	Research	5/1/2019	4/30/2022	MAY 2019	4164216

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		INTERNATIONAL GENERAL-EQUILIBRIUM SYSTEM									
\$499,579	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	STRESS MODULATION OF PORCINE INTESTINAL EPITHELIAL NUTRIENT TRANSPORT AND METABOLISM	GABLER, NICHOLAS K	AG EXPERIMENT STATION	ANIMAL SCIENCE	020673-00001	Research	4/1/2019	3/31/2022	MAY 2019	4164218
\$498,768	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	BIOGEOCHEMICAL CONSEQUENCES OF UPDATING AN AGING AGRICULTURAL INFRASTRUCTURE	CASTELLANO, MICHAEL	AG EXPERIMENT STATION	AGRONOMY	020638-00001	Research	4/15/2019	4/14/2022	MAY 2019	4164582
\$490,000	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	DOES SOCIAL BUFFERING ENHANCE ANIMAL WELFARE AND PERFORMANCE WHEN BEEF CALVES ARE COMINGLED IN FEEDLOT ENVIRONMENTS?	HARTLINE, SUZANNE T M	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	020620-00001	Research	6/1/2019	5/31/2023	MAY 2019	4162340
\$479,209	NIH-NATIONAL INSTITUTE OF ALLERGY & INFECTIOUS DISEASES (NIAID)	STRUCTURAL STUDIES OF A T CELL SPECIFIC TYROSINE KINASE	ANDREOTTI, AMY	COLLEGE OF LIBERAL ARTS & SCIENCES	BIOCHEMISTRY & BIOPHYSICS	020626-00001	Research	9/1/2019	8/31/2020	MAY 2019	4302154
\$460,000	DEERE & COMPANY	INTEGRATED BOOM DESIGN AND CONTROL SYSTEM, PHASE 2	DARR, MATTHEW JOHN	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	020693-00001	Research	1/1/2019	10/31/2019	MAY 2019	4004808
\$425,413	VARIOUS ISUF DONORS-INDUSTRY/ CORPORATE	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019269-00001	Institutional Support	6/1/2018	5/31/2019	MAY 2019	
\$388,412	VARIOUS ISUF DONORS-INDIVIDUAL	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019267-00001	Operations & Maintenance	6/1/2018	5/31/2019	MAY 2019	

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\$378,968	NSF-NATIONAL SCIENCE FOUNDATION	CAREER: INVESTIGATION OF ENVIRONMENTALLY-SENSITIVE PHOTOREACTIONS	VANVELLER, BRETT	COLLEGE OF LIBERAL ARTS & SCIENCES	CENTER FOR CATALYSIS	020662-00001	Research	6/1/2019	5/31/2024	MAY 2019	4200456
\$374,658	NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS & STROKE (NINDS)	NEUROINFLAMMATION AND MICROGLIAL KV1.3 IN PARKINSON'S DISEASE	KANTHASAMY, ANUMANTHA G	VP FOR RESEARCH	ICAN (IA CTR FOR ADV NEUROTOX)	017675-00001	Research	8/1/2017	4/30/2020	MAY 2019	4301738
\$365,154	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	ILLUMINATING THE IMPACT OF PLASMIDS TO STRESS SURVIVAL OF LISTERIA MONOCYTOGENES	SCHMITZ-ESSER, STEPHAN	AG EXPERIMENT STATION	ANIMAL SCIENCE	020654-00001	Research	6/1/2019	5/31/2022	MAY 2019	4164217
\$359,603	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS)	INVESTIGATING (DI)TERPENOID BIOSYNTHESIS	PETERS, REUBEN J	COLLEGE OF LIBERAL ARTS & SCIENCES	BIOCHEMISTRY & BIOPHYSICS	020751-00001	Research	6/1/2019	5/31/2020	MAY 2019	4302155
\$334,688	NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS & STROKE (NINDS)	SPLICING REGULATION OF SPINAL MUSCULAR ATROPHY GENES	SINGH, RAVINDRA NARAYAN	VP FOR RESEARCH	ICAN (IA CTR FOR ADV NEUROTOX)	020692-00001	Research	5/1/2019	3/31/2020	MAY 2019	4301741
\$313,624	NSF-NATIONAL SCIENCE FOUNDATION	COLLABORATIVE RESEARCH: THE EFFECT OF STATE DISINVESTMENT IN HIGHER EDUCATION ON RESEARCH QUALITY AND RETURNS TO SCALE IN SCIENCE FUNDING	ROSENBLOOM, JOSHUA LEVI	COLLEGE OF LIBERAL ARTS & SCIENCES	ECONOMICS	020724-00001	Research	6/1/2019	5/31/2022	MAY 2019	4200457
\$303,676	VARIOUS ISUF DONORS-INDIVIDUAL	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019263-00001	Academic Support	6/1/2018	5/31/2019	MAY 2019	

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\$299,178	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS)	REGULATION OF SNARE-DEPENDENT SYNAPTIC VESICLE FUSION	SHIN, YEON-KYUN	COLLEGE OF LIBERAL ARTS & SCIENCES	BIOCHEMISTRY & BIOPHYSICS	015414-00001	Research	5/1/2016	4/30/2020	MAY 2019	4302132
\$288,661	UNIVERSITY OF ARIZONA	GENE REGULATORY NETWORKS IN THE MAIZE ENDOSPERM	BECRAFT, PHILIP W	AG EXPERIMENT STATION	GENETICS DEVELOPMENT & CELL BIOLOGY	015239-00001	Research	3/15/2016	3/13/2020	MAY 2019	4044212
\$274,964	NSF-NATIONAL SCIENCE FOUNDATION	IPA ASSIGNMENT FOR BASIL J. NIKOLAOU	NIKOLAOU, BASIL J	VP FOR RESEARCH	CTR FOR METABOLIC BIOLOGY	018970-00001	Public Service	5/14/2018	5/13/2020	MAY 2019	4201794
\$250,000	UNIVERSITY OF NEBRASKA LINCOLN	UNL SUPPORT OF NIAMRRE	PLUMMER, PAUL J	VP FOR RESEARCH	NATL INST OF ANTIMICROB RESIST RES & ED	020690-00001	Institutional Support	7/1/2018	6/30/2021	MAY 2019	4007784
\$243,137	NIH-INSTITUTE ON AGING (NIA)	INSULIN RESISTANCE, BIOMARKERS OF BRAIN FUNCTION, AND INTERMITTENT CALORIE RESTRICTION	WILLETTE, AURIEL ADONAI	COLLEGE OF HUMAN SCIENCES	FOOD SCIENCE & HUMAN NUTRITION	016236-00001	Research	9/30/2016	12/31/2019	MAY 2019	4302807
\$241,548	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	EXPANDED FOOD AND NUTRITION EDUCATION PROGRAM - IOWA 2019	HRADEK, CHRISTINE ANN	UNIVERSITY & COOPERATIVE EXTENSION	HUMAN SCIENCES EXTENSION AND OUTREACH	020298-00001	Public Service	10/1/2018	9/30/2023	MAY 2019	4183020
\$241,315	IDEMITSU KOSAN CO LTD	EFFECTS OF CASHEW NUT SHELL EXTRACT (CNSE) ON PRODUCTION AND METABOLISM IN TRANSITIONING DAIRY COWS	BAUMGARD, LANCE HALL	AG EXPERIMENT STATION	ANIMAL SCIENCE	020619-00001	Research	4/30/2019	3/31/2021	MAY 2019	4004799
\$236,929	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	NEONICOTINOID SEED TREATMENTS IN US AGRICULTURE: PRODUCTION, WELFARE, AND ENVIRONMENTAL	MOSCHINI, GIANCARLO	AG EXPERIMENT STATION	CENTER FOR AG & RURAL DEVELOPMENT	020634-00001	Research	4/1/2019	3/31/2021	MAY 2019	4164215

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		IMPACTS									
\$226,811	NIH-NATIONAL INSTITUTE OF ALLERGY & INFECTIOUS DISEASES (NIAID)	DEVELOPMENT OF NOVEL IMMUNOGENS TO INDUCE 10E8-LIKE NEUTRALIZING ANTIBODIES	CHO, MICHAEL	COLLEGE OF VETERINARY MEDICINE	BIOMEDICAL SCIENCES	018967-00001	Research	5/16/2018	4/30/2020	MAY 2019	4302362
\$222,933	NIH-NATIONAL INSTITUTE OF ALLERGY & INFECTIOUS DISEASES (NIAID)	DIETHYLCARBAMAZINE, EMODEPSIDE AND SLO-1 K CHANNEL OF FILARIA	MARTIN, RICHARD J	VP FOR RESEARCH	ICAN (IA CTR FOR ADV NEUROTOX)	020702-00001	Research	5/16/2019	4/30/2020	MAY 2019	4301742
\$203,966	INSTITUTE OF INTERNATIONAL EDUCATION INC	SIX-WEEK ENGLISH LANGUAGE CERTIFICATE PROGRAM FOR HIGH SCHOOL ENGLISH TEACHERS FROM BRAZIL	BECKETT, GULBAHAR HUXUR	COLLEGE OF LIBERAL ARTS & SCIENCES	ENGLISH	020593-00001	Instruction	4/1/2019	9/9/2019	MAY 2019	4006175
\$200,934	ED-INSTITUTE OF EDUCATION SCIENCES (IES)	IMPACT IOWA MATHEMATICS PARTNERSHIP IN ALGEBRA: CREATING A TEAM	FOEGEN, ANNE MARIE	COLLEGE OF HUMAN SCIENCES	SCHOOL OF EDUCATION	020691-00001	Research	8/1/2019	7/31/2020	MAY 2019	4322808
\$200,000	NSF-NATIONAL SCIENCE FOUNDATION	EAGER: SSDIM: DATA GENERATION FOR INTERDEPENDENT NATURAL GAS AND ELECTRICAL POWER SYSTEMS BASED ON GRAPH THEORY AND MACHINE LEARNING	WANG, ZHAOYU	COLLEGE OF ENGINEERING	ELECTRICAL ENGINEERING & COMPUTER ENGR	017784-00001	Research	9/1/2017	8/31/2021	MAY 2019	4207284
\$200,000	AMERICAN HEART ASSOCIATION	EXPLORING A MISSING MECHANISM THAT LINKS REDOX SIGNALING TO ACTIN REMODELING IN ANGIOGENESIS	CHEN, BAOYU	AG EXPERIMENT STATION	BIOCHEMISTRY & BIOPHYSICS	020709-00001	Research	7/1/2019	6/30/2021	MAY 2019	4004811
\$196,705	NSF-NATIONAL	COLLABORATIVE	SUBRAMANIAM,	COLLEGE OF	CTR FOR	020765-00001	Research	6/1/2019	5/31/2022	MAY	4207052

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	SCIENCE FOUNDATION	RESEARCH: BRIDGING THE GAP BETWEEN PARTICLE-SCALE THERMAL TRANSPORT AND DEVICE-SCALE PREDICTIONS	SHANKAR	ENGINEERING	MULTIPHASE FLOW RES & EDUC					2019	
\$191,818	VARIOUS ISUF DONORS-NONPROFIT	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019274-00001	Institutional Support	6/1/2018	5/31/2019	MAY 2019	
\$191,250	NIH-NATIONAL INSTITUTE OF ALLERGY & INFECTIOUS DISEASES (NIAID)	MULTIMERIZATION OF THE B CELL KINASE BTK; A PREORGANIZED SIGNALING UNIT	ANDREOTTI, AMY	COLLEGE OF LIBERAL ARTS & SCIENCES	BIOCHEMISTRY & BIOPHYSICS	018933-00001	Research	5/10/2018	4/30/2020	MAY 2019	4302147
\$188,000	DOE-US DEPARTMENT OF ENERGY	EXOTIC KONDO PHASES: THE NON-KRAMERS DONIACH PHASE DIAGRAM	FLINT, REBECCA	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	015780-00001	Research	7/15/2016	7/14/2020	MAY 2019	4012134
\$184,760	NSF-NATIONAL SCIENCE FOUNDATION	IPA ASSIGNMENT FOR JOHN JACKMAN	JACKMAN, JOHN K	COLLEGE OF ENGINEERING	INDUSTRIAL & MANUFACTURING SYSTEMS ENGR	020756-00001	Public Service	5/28/2019	5/27/2020	MAY 2019	4207051
\$183,204	VARIOUS ISUF DONORS-INDUSTRY/CORPORATE	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019268-00001	Academic Support	6/1/2018	5/31/2019	MAY 2019	
\$175,000	MINNESOTA DEPARTMENT OF TRANSPORTATION	RE-TIGHTENING THE LARGE ANCHOR BOLTS OF SUPPORT STRUCTURES FOR SIGNS AND LUMINAIRES: PHASE II	CHEN, AN	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	020714-00001	Research	5/16/2019	9/30/2021	MAY 2019	4007785
\$172,455	NSF-NATIONAL SCIENCE FOUNDATION	CAREER: DEFINING AND IMPROVING CLASS 2 CRISPR-CAS ENDONUCLEASE SEQUENCE SPECIFICITY	SASHITAL, DIPALI GURUDUTT	COLLEGE OF LIBERAL ARTS & SCIENCES	BIOCHEMISTRY & BIOPHYSICS	016750-00001	Research	2/15/2017	1/31/2022	MAY 2019	4207175

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\$164,656	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	GENERATING MULTI-SCALE PREDICTIVE NETWORKS OF NORTHERN CORN LEAF BLIGHT RESISTANCE	CLARK, NATALIE MINAKO	AG EXPERIMENT STATION	PLANT PATHOLOGY	020740-00001	Scholarships & Fellowships	6/1/2019	5/31/2021	MAY 2019	4164208
\$161,192	NASA-NATIONAL AERONAUTICS & SPACE ADMINISTRATION	A SMAP BIOMASS PRODUCT FOR CROPLANDS ENABLED BY THE CALIBRATION AND VALIDATION OF FOOTPRINT SCALE T AND B PARAMETERS	HORNBUCKLE, BRIAN KIRK	AG EXPERIMENT STATION	AGRONOMY	016057-00001	Research	1/1/2017	12/31/2019	MAY 2019	4224003
\$160,959	NIH-NATIONAL INSTITUTES OF HEALTH	EXPANDING THE UTILITY OF SEVERE COMBINED IMMUNO-DEFICIENT (SCID) PIG MODELS	TUGGLE, CHRISTOPHER KEITH	AG EXPERIMENT STATION	ANIMAL SCIENCE	013712-00001	Research	5/1/2015	1/31/2020	MAY 2019	4304011
\$156,101	MONSANTO COMPANY	SERVIC E ORDER 62	ARCHONTOULIS, SOTIRIOS	AG EXPERIMENT STATION	AGRONOMY	020666-00001	Research	4/1/2019	3/31/2020	MAY 2019	4004805
\$150,079	UNIVERSITY OF CALIFORNIA DAVIS	FEED THE FUTURE INNOVATION LAB FOR GENOMICS TO IMPROVE POULTRY: 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	9/26/2023	MAY 2019	4044026
\$150,000	XCEL ENERGY	ASSESSMENT OF PUBLIC SERVICE COLORADO SYSTEM DYNAMIC PERFORMANCE UNDER HIGH RENEWABLE PENETRATION	MCCALLEY, JAMES D	COLLEGE OF ENGINEERING	ELECTRIC POWER RESEARCH CTR	020621-00001	Research	5/2/2019	1/1/2020	MAY 2019	4007243
\$140,346	VARIOUS ISUF DONORS-	IOWA STATE UNIVERSITY	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019270-00001	Scholarships &	6/1/2018	5/31/2019	MAY 2019	

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	INDUSTRY/ CORPORATE	FOUNDATION DONATIONS					Fellowships				
\$134,591	NSF-NATIONAL SCIENCE FOUNDATION	NANOSCALE PHASE TRANSITION IN FREE- STANDING DIELECTRIC THIN FOILS	TAN, XIAOLI	COLLEGE OF ENGINEERING	MATERIALS SCIENCE & ENGINEERING	017419-00001	Research	7/1/2017	6/30/2020	MAY 2019	4207267
\$120,000	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	MICROFLUIDIC DEVICE FOR HIGH- THROUGHPUT ACTIVITY SCREENING AND OPTIMIZATION OF MUTANT CARBOHYDRATE- ACTIVE ENZYME	REUEL, NIGEL FOREST	COLLEGE OF ENGINEERING	CHEMICAL & BIOLOGICAL ENGR	020671-00001	Scholarships & Fellowships	5/15/2019	5/14/2021	MAY 2019	4162020
\$113,000	NASA-NATIONAL AERONAUTICS & SPACE ADMINISTRATION	ICE ADHESION CHARACTERIZATION OF ICEPHOBIC MATERIALS FOR AIRCRAFT ICING MITIGATION	BASTAWROS, ASHRAF	COLLEGE OF ENGINEERING	AEROSPACE ENGINEERING	016105-00001	Research	9/1/2016	8/31/2020	MAY 2019	4222023
\$109,227	UNIVERSITY OF KANSAS	REPROGRAMMING EXTRACELLULAR NANOVESICLES AS HIGHLY POTENT VACCINES AGAINST BOVINE RESPIRATORY DISEASE	MCGILL, JODI LYNN	COLLEGE OF VETERINARY MEDICINE	VETERINARY MICROBIOLOGY & PREV MEDICINE	020664-00001	Research	4/1/2019	3/31/2020	MAY 2019	4102315
\$107,600	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	MECHANISTIC DISSECTION OF DROUGHT STRESS MITIGATION IMPARTED BY BULLIFORM CELLS IN GRASS SPECIES USING MAIZE AS A MODEL	NELSON, MARNA DARLENE	AG EXPERIMENT STATION	GENETICS DEVELOPMENT & CELL BIOLOGY	020723-00001	Scholarships & Fellowships	5/15/2019	5/14/2021	MAY 2019	4164221
\$104,103	LOCKHEED MARTIN CORPORATION	ROBOTIC LASER ADDITIVE MANUFACTURING SYSTEM WITH	COLLINS, PETER CHANCELLOR	COLLEGE OF ENGINEERING	MATERIALS SCIENCE & ENGINEERING	020655-00001	Research	9/27/2018	7/31/2020	MAY 2019	4046239

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		COMPREHENSIVE QUALITY ASSURANCE FRAMEWORK									
\$102,500	VARIOUS ISUF DONORS-NONPROFIT	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019426-00001	Research	6/1/2018	5/31/2019	MAY 2019	
\$100,278	ALLIANCE FOR SUSTAINABLE ENERGY LLC-NATIONAL RENEWABLE ENERGY LABORATORY	IDENTIFYING THE PERFORMANCE POTENTIAL FOR INTERSECTION CONTROL USING ADVANCED INFRASTRUCTURE SENSING	DAY, CHRISTOPHER	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	020639-00001	Research	5/3/2019	12/31/2019	MAY 2019	4047768
\$100,000	NSF-NATIONAL SCIENCE FOUNDATION	CAREER: STABILIZING SPIN LIQUIDS	FLINT, REBECCA	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	015107-00001	Research	8/15/2016	7/31/2021	MAY 2019	4207131
\$99,991	UNIVERSITY OF MARYLAND EASTERN SHORE	EXPLORING POTENTIALS OF BIOACTIVE PHOSPHOPEPTIDE PRODUCTION FROM PHOSVITIN IN HENS EGG YOLK AS A NOVEL FUNCTIONAL INGREDIENT	AHN, DONG UK	AG EXPERIMENT STATION	ANIMAL SCIENCE	020744-00001	Research	4/1/2019	3/31/2021	MAY 2019	4044127
\$95,710	UNIVERSITY OF CALIFORNIA DAVIS	FUNCTIONAL ANNOTATION OF THE BOVINE GENOME	REECY, JAMES M	AG EXPERIMENT STATION	ANIMAL SCIENCE	020705-00001	Research	1/15/2019	1/14/2020	MAY 2019	4044126
\$94,242	ZOETIS	SWINE VETERINARY INTERNSHIP PROGRAM - ZOETIS	HOLTKAMP, DERALD J	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	020697-00001	Instruction	5/1/2019	4/30/2022	MAY 2019	4007343
\$91,821	VARIOUS ISUF DONORS-NONPROFIT	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019275-00001	Scholarships & Fellowships	6/1/2018	5/31/2019	MAY 2019	
\$90,088	SWINE HEALTH	SWINE DISEASE	CORREIA-LIMA-	COLLEGE OF	VET DIAGNOSTIC &	020726-00001	Research	6/1/2019	6/1/2020	MAY	4592331

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	INFORMATION CENTER	REPORTING SYSTEM 2.0: INCORPORATION OF MYCOPLASMA HYOPNEUMONIAE, PREDICTION BANDS, AND HL7 DATA FROM MULTIPLE VDLS	LINHARES, D	VETERINARY MEDICINE	PRODUCTION ANIMAL MED					2019	
\$89,185	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	CHARACTERIZATION OF THE OXIDATIVE STRESS RESPONSE POST-TRANSIT IN VARIOUS TISSUES OF BEEF CATTLE	HANSEN, STEPHANIE L	AG EXPERIMENT STATION	ANIMAL SCIENCE	020688-00001	Research	5/15/2019	5/14/2021	MAY 2019	4164219
\$88,768	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	SERB, JEANNE M	VP FOR RESEARCH	BIOTECHNOLOGY	020271-00001	Public Service	10/1/2018	9/30/2019	MAY 2019	4191715
\$81,050	VARIOUS ISUF DONORS- INDUSTRY/ CORPORATE	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019271-00001	Research	6/1/2018	5/31/2019	MAY 2019	
\$81,000	UNIVERSITY OF NEBRASKA LINCOLN	CRASH TESTING OF A PRECAST CONCRETE BARRIER	SHAFEI-PAMSARI, BEHROUZ	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	020713-00001	Research	5/1/2019	2/28/2021	MAY 2019	4047769
\$75,000	DEERE & COMPANY	CHASSIS MODELING, PHASE 1	DARR, MATTHEW JOHN	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	020694-00001	Research	3/1/2019	10/31/2019	MAY 2019	4004809
\$74,999	SWINE HEALTH INFORMATION CENTER	BIOSECURITY SCREENING TOOL TO IDENTIFY BREEDING HERD RISK TO PRRS OUTBREAK USING A SHORT SURVEY	CORREIA-LIMA-LINHARES, D	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	020771-00001	Research	6/1/2019	6/1/2020	MAY 2019	4592332
\$73,609	BROOKHAVEN SCIENCE ASSOCIATES- BROOKHAVEN NATIONAL	U.S. ATLAS OPERATIONS PROGRAM MANAGER	COCHRAN, JAMES	COLLEGE OF LIBERAL ARTS & SCIENCES	PHYSICS & ASTRONOMY	005618-00001	Public Service	8/29/2012	9/30/2019	MAY 2019	4042133

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	LABORATORY										
\$69,633	ZIVO BIOSCIENCE INC	ANIMAL PRODUCT TRIAL: ZIVO BIOSCIENCE PROPRIETARY ALGAE PRODUCT BROILER PERFORMANCE AND IMMUNOLOGY TRIAL	KRAAYENBRINK, ELIZABETH A	AG EXPERIMENT STATION	ANIMAL SCIENCE	020660-00001	Research	6/1/2019	6/1/2020	MAY 2019	4004804
\$64,000	DOD-ARMY RESEARCH LABORATORY (ARL)	PHASE TRANSFORMATION-RELATED PHENOMENA UNDER COMPRESSION AND SHEAR OF CERAMICS	LEVITAS, VALERY	COLLEGE OF ENGINEERING	AEROSPACE ENGINEERING	017163-00001	Research	5/1/2017	12/31/2019	MAY 2019	4212042
\$59,986	NATIONAL PORK BOARD	BROADENING CROSS PROTECTIVE IMMUNITY AGAINST SWINE INFLUENZA VIRUSES: A PATH TOWARD A UNIVERSAL INFLUENZA VACCINE	YOON, KYOUNG-JIN	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	020678-00001	Research	6/1/2019	6/1/2020	MAY 2019	4536315
\$56,000	FLUOR MARINE PROPULSION LLC-KNOLLS ATOMIC POWER LABORATORY	ELECTRICAL CONDUCTIVITY OF METAL POWDER	BOWLER, NICOLA	COLLEGE OF ENGINEERING	CENTER FOR NON-DESTRUCT EVALUATION	018851-00001	Research	4/23/2018	9/30/2019	MAY 2019	4042541
\$54,815	INTERVET INC D/B/A MERCK ANIMAL HEALTH	BOVINE VETERINARY INTERNSHIP PROGRAM - MERCK	HOLTKAMP, DERALD J	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	020721-00001	Instruction	5/1/2019	4/30/2020	MAY 2019	4007344
\$53,622	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES, AGREEMENT NUMBER 5850309013	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	020190-00001	Public Service	10/1/2018	9/30/2019	MAY 2019	4194901
\$53,611	EXXAM SYSTEMS LLC	AUTOMATED INSPECTION OF PIPELINES UTILIZING EDDY CURRENT	COLLINS, PETER CHANCELLOR	COLLEGE OF ENGINEERING	CENTER FOR NON-DESTRUCT EVALUATION	020769-00001	Research	1/16/2019	1/15/2020	MAY 2019	4006576
\$50,604	IOWA BEEF	INVESTIGATING THE	ENGELKEN,	COLLEGE OF	VET DIAGNOSTIC &	020646-00001	Research	6/1/2019	12/1/2020	MAY	4542303

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	INDUSTRY COUNCIL	INCIDENCE, ETIOLOGIES, AND RISK FACTORS FOR LAMENESS IN IOWA FEEDLOT CATTLE	TERRY	VETERINARY MEDICINE	PRODUCTION ANIMAL MED					2019	
\$50,000	NSF-NATIONAL SCIENCE FOUNDATION	CONFERENCE: DEVELOPING A CONVERGENCE SUS AGENDA FOR REDESIGNING THE URBAN-RURAL INTERFACE ALONG THE MISSISSIPPI RIVER WATERSHED	PASSE, ULRIKE	COLLEGE OF DESIGN	ARCHITECTURE	020736-00001	Research	7/1/2019	12/31/2019	MAY 2019	4202903
\$50,000	DEERE & COMPANY	TECHNICAL EVALUATION: COMBINE SPECTROSCOPY SENSORS DEVELOPMENT PROGRAM	JUST, JOHN PAUL	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	020770-00001	Research	1/1/2019	9/30/2019	MAY 2019	4004813
\$49,731	IOWA DEPARTMENT OF TRANSPORTATION	CONCRETE BOX CULVERT EARTH PRESSURE MONITORING	FREESEMAN, KATELYN SUE	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	020700-00001	Research	5/1/2019	4/30/2020	MAY 2019	4747624
\$45,005	CORNELL UNIVERSITY	PHAGE-ENABLED LAB-ON-A-FILTER FOR PATHOGEN SEPARATION, CONCENTRATION, AND DETECTION	TALBERT, JOEY NATHANIEL	COLLEGE OF HUMAN SCIENCES	FOOD SCIENCE & HUMAN NUTRITION	019778-00001	Research	8/15/2018	4/30/2020	MAY 2019	4042888
\$43,784	IOWA BEEF INDUSTRY COUNCIL	PERFORMANCE AND ECONOMICS OF FALL GRAZING COVER CROPS COMPARED TO A TRADITIONAL DRYLOT SETTING FOR FALL-CALVING COW-CALF PAIRS	LOY, DANIEL DWIGHT	AG EXPERIMENT STATION	ANIMAL SCIENCE	020628-00001	Research	8/1/2019	5/31/2022	MAY 2019	4544008
\$41,036	UNIVERSITY OF	MODELING	SHARMA, ANUJ	VP FOR	INST FOR	019045-00001	Research	5/31/2018	3/14/2021	MAY	4007770

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	NEBRASKA MEDICAL CENTER	MULTIDIMENSIONAL RISK IN REAL-WORLD DRIVERS WITH DIABETES		RESEARCH	TRANSPORTATION (INTRANS)					2019	
\$40,845	IOWA BEEF INDUSTRY COUNCIL	DEVELOPMENT OF A RAPID, ANIMAL-SIDE ASSAY TO SCREEN BIOLOGICAL FLUID SAMPLES FOR THE PRESENCE OF VIOLATIVE DRUG RESIDUES TO CONFIRM RESIDUE CLEARANCE IN TISSUES AT SLAUGHTER	GORDEN, PATRICK J	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	020630-00001	Research	6/1/2019	5/31/2020	MAY 2019	4542302
\$39,439	DOT-FEDERAL HIGHWAY ADMINISTRATION (FHWA)	ADVANCING THE DEVELOPMENT AND DEPLOYMENT OF BIM-INFRASTRUCTURE	ALDEMIR-BEKTAS, BASAK	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	019486-00001	Research	8/15/2018	12/14/2019	MAY 2019	4361739
\$38,872	NASA-NATIONAL AERONAUTICS & SPACE ADMINISTRATION	NON-CONTACT CREEP CHARACTERIZATION OF HIGH TEMPERATURE MATERIALS FOR NUCLEAR THERMAL PROPULSION	LEE, JONGHYUN	COLLEGE OF ENGINEERING	MECHANICAL ENGINEERING	020749-00001	Research	5/31/2019	5/31/2020	MAY 2019	4222083
\$34,961	UNIVERSITY OF IOWA	AUTOMATION OF VIDEO DATA REDUCTION FOR FARM EQUIPMENT	SHARMA, ANUJ	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	020668-00001	Research	9/30/2018	9/29/2019	MAY 2019	4751721
\$32,813	NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS & STROKE (NINDS)	CHARACTERIZATION OF A COMPLEX REGULATORY ELEMENT OF SPINAL MUSCULAR ATROPHY GENES	SINGH, RAVINDRA NARAYAN	VP FOR RESEARCH	ICAN (IA CTR FOR ADV NEUROTOX)	011779-00001	Research	4/1/2014	3/31/2019	MAY 2019	4301726
\$31,850	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	WANNEMUEHLER, MICHAEL	COLLEGE OF VETERINARY MEDICINE	VETERINARY MICROBIOLOGY & PREV MEDICINE	020652-00001	Public Service	10/1/2018	9/30/2019	MAY 2019	4192398

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\$29,835	WATERSHED GEO	CLOSETURF WIND UPLIFT TEST: PHASES IV AND V	ZHENG, JUNXING	COLLEGE OF ENGINEERING	CIVIL, CONSTR & ENVIRONMENTAL ENGR	020768-00001	Research	6/1/2019	5/31/2020	MAY 2019	4007247
\$29,161	VETERAN'S ADMINISTRATION OF NEW JERSEY HEALTH CARE SYSTEM	WRIISC AS A MODEL OF CARE FOR CHRONIC MULTI-SYMP TOM ILLNESS	PHILLIPS, LEIGH ALISON	COLLEGE OF LIBERAL ARTS & SCIENCES	PSYCHOLOGY	020731-00001	Research	6/1/2019	8/31/2019	MAY 2019	4282128
\$27,262	PHARMGATE ANIMAL HEALTH LLC	SWINE VETERINARY INTERNSHIP PROGRAM - PHARMGATE	HOLTKAMP, DERALD J	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	020695-00001	Instruction	5/1/2019	4/30/2020	MAY 2019	4007342
\$26,000	CLEMSON UNIVERSITY	DEVELOPMENT AND DELIVERY OF THE BOEING AEROSPACE PROGRAM	WEI, PENG	COLLEGE OF ENGINEERING	AEROSPACE ENGINEERING	020681-00001	Instruction	7/1/2018	6/30/2019	MAY 2019	4007244
\$25,424	GERMAINS SEED TECHNOLOGY	TO EVALUATE AND COMPARE TO A COMMERCIAL STANDARD A GERMAINS PROPRIETARY SEED TREATMENT FOR DISEASE CONTROL AND AGRONOMIC PERFORMANCE UNDER FIELD CONDITIONS	NAVI, SHRISHAIL SHARANAPP	AG EXPERIMENT STATION	PLANT PATHOLOGY	020661-00001	Research	4/22/2019	12/31/2019	MAY 2019	4004810
\$25,000	OHIO STATE UNIVERSITY	ROLE OF WORKER DECISION MAKING IN EFFECTIVE FSMA IMPLEMENTATION	MOSHER, GRETCHEN ANN	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	018463-00001	Research	6/1/2018	5/31/2020	MAY 2019	4004655
\$24,800	BASF CORPORATION	TRANSGENIC TECHNOLOGIES FOR MANAGEMENT OF THE SOYBEAN CYST NEMATODE	TYLKA, GREGORY L	AG EXPERIMENT STATION	PLANT PATHOLOGY	020610-00001	Research	4/15/2019	4/14/2020	MAY 2019	4004798
\$21,436	NIH-NATIONAL INSTITUTE OF GENERAL	PATHOGENESIS OF DISEASES CAUSED BY ABERRANT COPII	KIM, JINOH	COLLEGE OF VETERINARY MEDICINE	BIOMEDICAL SCIENCES	017791-00001	Research	8/1/2017	12/31/2019	MAY 2019	4302360

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	MEDICAL SCIENCES (NIGMS)	MEGAVESICLE ASSEMBLY									
\$20,010	MONSANTO COMPANY	SOYBEAN SEED TREATMENT EFFICACY INOCULATED PHYTOPHTHORA	ROBERTSON, ALISON E	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	020719-00001	Research	4/15/2019	4/30/2020	MAY 2019	
\$20,000	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	9/30/2019	MAY 2019	4747922
\$20,000	COLORADO STATE UNIVERSITY	CENTER FOR RISK-BASED COMMUNITY RESILIENCE PLANNING	HAMIDEH, SARA	COLLEGE OF DESIGN	COMMUNITY & REGIONAL PLANNING	017026-00001	Research	2/1/2017	1/31/2020	MAY 2019	4042908
\$19,422	IOWA BEEF INDUSTRY COUNCIL	FEEDING FOR HIGH QUALITY BEEF	LOY, DANIEL DWIGHT	AG EXPERIMENT STATION	ANIMAL SCIENCE	020629-00001	Research	10/1/2019	12/31/2020	MAY 2019	4544007
\$19,380	KANSAS STATE UNIVERSITY	KSU PEDV FEED TREATMENT BIOASSAY 2019	GAUGER, PHILLIP C	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	020773-00001	Research	1/25/2019	1/24/2020	MAY 2019	4007346
\$18,975	GREEN AND GROW INC	SOYBEAN RHIZOCTONIA TRIAL	NAVI, SHRISHAIL SHARANAPP	AG EXPERIMENT STATION	PLANT PATHOLOGY	020643-00001	Research	5/1/2019	4/30/2020	MAY 2019	
\$18,858	ZERO GRAVITY SOLUTIONS INC	OPTIMIZING THE USE OF BAM-FX PRODUCTS FOR SUSTAINABLE/ ORGANIC VEGETABLE TRANSPLANT PRODUCTION	NAIR, AJAY	AG EXPERIMENT STATION	HORTICULTURE	020658-00001	Research	5/15/2019	5/14/2020	MAY 2019	
\$17,946	VARIOUS ISUF DONORS- INDIVIDUAL	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019266-00001	Research	6/1/2018	5/31/2019	MAY 2019	

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\$17,867	VITA PLUS CORPORATION	NURSERY TRIALS	PATIENCE, JOHN FRANCIS	AG EXPERIMENT STATION	ANIMAL SCIENCE	011161-00001	Research	11/2/2012	2/28/2020	MAY 2019	4004013
\$17,586	MICHIGAN STATE UNIVERSITY	LEGUME SCHOLARS PROGRAM	LENSENEN, ANDREW WILLIAM	AG EXPERIMENT STATION	AGRONOMY	018876-00001	Research	12/1/2017	12/30/2019	MAY 2019	4044232
\$17,500	WHOLE FOODS MARKET SERVICES INC	POLYMER AND FOOD PROTECTION PFPC 2019 MEMBERSHIP; WHOLE FOODS 2018 PFPC MEMBERSHIP	VORST, KEITH	AG EXPERIMENT STATION	FOOD SCIENCE & HUMAN NUTRITION	020742-00001	Research	5/1/2019	4/30/2020	MAY 2019	
\$17,500	ACQUISTAPACE FARMS INC	POLYMER AND FOOD PROTECTION CONSORTIUM 2018 MEMBERSHIP ACQUISTAPACE FARMS 2018 PFPC MEMBERSHIP	VORST, KEITH	AG EXPERIMENT STATION	FOOD SCIENCE & HUMAN NUTRITION	020774-00001	Research	5/1/2018	4/30/2019	MAY 2019	
\$16,577	ZINPRO CORPORATION	ANIMAL PRODUCT TRIAL: EFFECT OF ZINPRO NUTRITIONAL FEED ADDITIVES ON REDUCING CAMPYLOBACTER COLONIZATION IN CHICKENS-EXTENSION OF A PREVIOUSLY FUNDED PROJECT	ZHANG, QIJING	COLLEGE OF VETERINARY MEDICINE	VETERINARY MICROBIOLOGY & PREV MEDICINE	019929-00001	Research	1/1/2019	2/29/2020	MAY 2019	4007327
\$16,450	ALCHERABIO	STUDY ASKB2018001: A RANDOMIZED, OPEN-LABELED, HISTORICALLY CONTROLLED, MULTI-SITE CLINICAL FIELD STUDY TO ASSESS THE EFFECTIVENESS AND SAFETY OF THREE DIFFERENT DOSES OF ASKB626	PALERME, JEAN-SEBASTIEN	COLLEGE OF VETERINARY MEDICINE	VET CLINICAL SCIENCES	020618-00001	Research	5/1/2019	4/30/2020	MAY 2019	4007341

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\$16,215	AGRITHORITY LLC	TO EVALUATE THE EFFICACY OF CERAMAX SEED TREATMENT FOR FUSARIUM DISEASE SUPPRESSION IN SOYBEAN	NAVI, SHRISHAIL SHARANAPP	AG EXPERIMENT STATION	PLANT PATHOLOGY	020679-00001	Research	5/1/2019	12/31/2019	MAY 2019	4004807
\$16,210	WINEGARD COMPANY	IOWA STATE UNIVERSITY/ WINEGARD MOTION SOFTWARE ANALYSIS RESEARCH	LUECKE, GREG R	VP FOR RESEARCH	VIRTUAL REALITY APPLICATIONS CENTER	020722-00001	Research	5/15/2019	8/15/2019	MAY 2019	4006575
\$16,000	NSF-NATIONAL SCIENCE FOUNDATION	CHS:SMALL: A SPATIAL COGNITIVE FRAMEWORK FOR PERSONALIZING LOCOMOTION IN VIRTUAL ENVIRONMENTS	KELLY, JONATHAN	VP FOR RESEARCH	VIRTUAL REALITY APPLICATIONS CENTER	019330-00001	Research	8/1/2018	7/31/2021	MAY 2019	4206524
\$16,000	NATIONAL 4H COUNCIL	2019 4-H AGRICULTURAL SCIENCE COMMODITY CARNIVAL LEARNING EXPERIENCE	TAYLOR, CAYLA NOEL	UNIVERSITY & COOPERATIVE EXTENSION	EXTENSION TO YOUTH & 4H	020747-00001	Public Service	4/8/2019	11/1/2019	MAY 2019	4003728
\$15,104	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES LLC	ANA SOFTWARE EVALUATION AND TESTING	FRANK, MATTHEW CHARLES	COLLEGE OF ENGINEERING	INDUSTRIAL & MANUFACTURING SYSTEMS ENGR	020728-00001	Research	6/15/2018	7/31/2018	MAY 2019	4007246
\$15,000	VANASSE HANGEN BRUSTLIN INC	SHRP2 NATURALISTIC DRIVING STUDY POOLED FUND: ADVANCING IMPLEMENTABLE SOLUTIONS	HALLMARK, SHAUNA L	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	020760-00001	Research	2/19/2019	5/18/2019	MAY 2019	4047771
\$14,736	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	WANNEMUEHLER, MICHAEL	COLLEGE OF VETERINARY MEDICINE	VETERINARY MICROBIOLOGY & PREV MEDICINE	020651-00001	Public Service	10/1/2018	2/28/2019	MAY 2019	4192390

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\$13,000	FMC CORPORATION	NON-CONFIDENTIAL FIELD TRIAL	MUELLER, DAREN SHANE	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	020659-00001	Research	5/1/2019	4/30/2020	MAY 2019	
\$12,802	DIAMOND V MILLS	SWINE VETERINARY INTERNSHIP PROGRAM - DIAMOND V	HOLTKAMP, DERALD J	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	020741-00001	Instruction	5/1/2019	4/30/2020	MAY 2019	4007345
\$12,703	KANSAS STATE UNIVERSITY	FEED THE FUTURE INNOVATION LAB FOR THE REDUCTION OF POST-HARVEST LOSS	LAMBERT, MISTY DAWN	AG EXPERIMENT STATION	AG EDUCATION & STUDIES	020735-00001	Research	1/1/2019	9/30/2019	MAY 2019	4044240
\$12,000	NATIONAL CATTLEMEN'S BEEF ASSOCIATION	STOCKMANSHIP AND STEWARDSHIP GRANT FOR REGIONAL EVENT	LIPPOLIS, KATANA DANIELLE	UNIVERSITY & COOPERATIVE EXTENSION	IOWA BEEF CENTER	020529-00001	Public Service	3/15/2019	7/31/2019	MAY 2019	4003716
\$12,000	BAYER CROPSCIENCE	EVALUATION OF SEED TREATMENTS AGAINST PHYTOPHTHORA SOJAE (621/GLXMA/PHYTMS/ POC/POT TRIAL)	ROBERTSON, ALISON E	AG EXPERIMENT STATION	PLANT PATHOLOGY	020613-00001	Research	5/1/2019	8/1/2019	MAY 2019	
\$11,612	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	RENEWABLE RESOURCES EXTENSION ACT PROGRAM - IOWA FY 2019	BLODGETT, SUE	UNIVERSITY & COOPERATIVE EXTENSION	NATURAL RESOURCE ECOLOGY & MGMT	019887-00001	Public Service	10/1/2018	9/30/2020	MAY 2019	4183420
\$10,341	IOWA DEPARTMENT OF HUMAN SERVICES	IOWA SNAP-ED NUTRITION EDUCATION AND OBESITY PREVENTION PROGRAM FOR FY 2019	HRADEK, CHRISTINE ANN	UNIVERSITY & COOPERATIVE EXTENSION	HUMAN SCIENCES EXTENSION AND OUTREACH	019715-00001	Public Service	10/1/2018	9/30/2019	MAY 2019	4703097
\$10,206	PRATT & WHITNEY - A DIVISION OF UNITED TECHNOLOGIES CORPORATION	ISU TASK 70	BARNARD, DAN J	COLLEGE OF ENGINEERING	CENTER FOR NON-DESTRUCT EVALUATION	020609-00001	Research	5/1/2019	9/30/2019	MAY 2019	4007241
\$10,002	VARIOUS IOWA COUNTY AGRICULTURAL	RISING STAR INTERNSHIP PROGRAM-REGION 1	HERONEMUS, CHERYL	UNIVERSITY & COOPERATIVE EXTENSION	VP EXTENSION & OUTREACH	011897-00001	Public Service	5/1/2014	12/31/2019	MAY 2019	

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	EXTENSION DISTRICTS										
\$10,000	DOI-US DEPARTMENT OF INTERIOR	RAPID, HIGH FORCE ACTUATORS THROUGH MECHANICALLY INVISIBLE HEAT SINKS	BARTLETT, MICHAEL DAVID	COLLEGE OF ENGINEERING	MATERIALS SCIENCE & ENGINEERING	019108-00001	Research	7/2/2018	7/1/2020	MAY 2019	4212068
\$9,780	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICE	WANNEMUEHLER, MICHAEL	COLLEGE OF VETERINARY MEDICINE	VETERINARY MICROBIOLOGY & PREV MEDICINE	020640-00001	Public Service	3/1/2019	6/30/2019	MAY 2019	4192397
\$8,800	BASF CORPORATION	FIELD TRIAL: SOYBEAN GALL MIDGE EFFICACY EVALUATION	HODGSON, ERIN WHITNEE	UNIVERSITY & COOPERATIVE EXTENSION	ENTOMOLOGY	020663-00001	Research	4/9/2019	12/31/2019	MAY 2019	4003727
\$8,625	HEADS UP PLANT PROTECTANTS INC	SEED TREATMENTS EFFICACY TESTS AGAINST SOYBEAN PYTHIUM, SUDDEN DEATH SYNDROME AND WHITE MOLD	NAVI, SHRISHAIL SHARANAPP	AG EXPERIMENT STATION	PLANT PATHOLOGY	020642-00001	Research	3/1/2019	12/31/2019	MAY 2019	
\$8,587	WINN FELINE FOUNDATION	EVALUATION OF THE ACCURACY AND PRECISION OF COMPOUNDED FORMULATIONS OF FAMCICLOVIR	SEBBAG, LIONEL	COLLEGE OF VETERINARY MEDICINE	VET CLINICAL SCIENCES	020564-00001	Research	4/1/2019	3/31/2020	MAY 2019	4007339
\$8,000	NSF-NATIONAL SCIENCE FOUNDATION	CAREER: INTEGRATION OF PHOTONIC CRYSTALS AND PAPER-BASED MICROFLUIDICS FOR BIOSENSING	LU, MENG	COLLEGE OF ENGINEERING	ELECTRICAL ENGINEERING & COMPUTER ENGR	016814-00001	Research	3/1/2017	2/28/2022	MAY 2019	4207218
\$7,985	UNIVERSITY OF CALGARY	INSTANT DETECTION OF DAIRY PATHOGEN SPECIFIC ANTIBODIES USING ENGINEERED SPLIT ENZYMES ON INK JET PRINTED GRAPHENE CIRCUITS	CLAUSSEN, JONATHAN	VP FOR RESEARCH	VIRTUAL REALITY APPLICATIONS CENTER	017144-00001	Research	6/1/2016	5/31/2019	MAY 2019	4006524
\$7,500	MONSANTO	FIELD TRIAL	ROBERTSON,	UNIVERSITY &	PLANT PATHOLOGY	020720-00001	Research	5/1/2019	4/30/2020	MAY	

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Award Amount	Sponsor	Award Title	PI	Lead Org Unit	Lead Org Dept	Award Number	Activity Type	Start Date	End Date	Award Register Date	Account
	COMPANY	EVALUATION OF FOLIAR FUNGICIDES FROM MANAGEMENT OF PHYSDERMA BROWN SPOT AND NODE ROT	ALISON E	COOPERATIVE EXTENSION						2019	
\$7,244	NSF-NATIONAL SCIENCE FOUNDATION	AUTOMATED COLLECTION AND CODING OF ONLINE CAMPAIGN ADVERTISING	PETERSON, DAVID	COLLEGE OF LIBERAL ARTS & SCIENCES	POLITICAL SCIENCE	017618-00001	Research	9/15/2017	8/31/2020	MAY 2019	4207191
\$7,150	GLOBAL BIOAG LINKAGES	EFFECT OF B:SEEPPEL, BIOPLIN, AND VITORMONE ON CORN - 2019	ROBERTSON, ALISON E	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	020641-00001	Research	4/1/2019	12/31/2019	MAY 2019	
\$7,000	BAYER CROPS SCIENCE	SUBAGREEMENT 133 FIELD TRIAL EVALUATION OF PRODUCTS FOR BAYER FP18USAYDA	ROBERTSON, ALISON E	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	020636-00001	Research	4/1/2019	12/31/2019	MAY 2019	
\$6,000	NSF-NATIONAL SCIENCE FOUNDATION	INTEGRATING POLAR-APROTIC SOLVOLYSIS INTO WASTE-TO-ENERGY CONVERSION	BAI, XIANGLAN	VP FOR RESEARCH	BIOECONOMY INSTITUTE	019368-00001	Research	8/15/2018	7/31/2021	MAY 2019	4201795
\$6,000	AQUATROLS CORP OF AMERICA	EVALUATION OF DISPATCH ALONG AND IN COMBINATION WITH PRODIAMINE AND DITHIOPYR FOR PREEMERGENCE CONTROL OF CRABGRASS	THOMS, ADAM WILLIAM	AG EXPERIMENT STATION	HORTICULTURE	020762-00001	Research	5/21/2019	5/20/2020	MAY 2019	
\$5,520	IOWA DEPARTMENT OF NATURAL RESOURCES	CLEAN WATER ACT SECTIONS 303(D)/305(B) LAKE MONITORING ANALYTICAL SUPPORT ISU 2019	WILKINSON, GRACE MARIE	AG EXPERIMENT STATION	ECOLOGY, EVOLUTION & ORG BIOLOGY	020704-00001	Research	5/1/2019	12/31/2019	MAY 2019	4734161

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\$5,202	AMERICAN COLLEGE OF SPORTS MEDICINE FOUNDATION	MITOCHONDRIAL CHANGES IN ADAPTIVE IMMUNE CELLS FOLLOWING EXERCISE TRAINING	KOHUT, MARIAN LOUISE	COLLEGE OF HUMAN SCIENCES	KINESIOLOGY	020616-00001	Research	7/1/2019	6/30/2020	MAY 2019	4006466
\$5,200	BAYER CROPSCIENCE	FIELD TRIAL EVALUATION OF PRODUCTS: FP18USAYD2	ROBERTSON, ALISON E	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	020637-00001	Research	4/1/2019	12/31/2019	MAY 2019	
\$5,000	VARIOUS ISUF DONORS-INDUSTRY/ CORPORATE	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019272-00001	Operations & Maintenance	6/1/2018	5/31/2019	MAY 2019	
\$4,900	BAYER CROPSCIENCE	USF0411 SOYBEAN EFFICACY FOLIAR DISEASES CONFIDENTIAL FIELD TRIAL	MUELLER, DAREN SHANE	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	020767-00001	Research	4/1/2019	12/31/2019	MAY 2019	
\$4,746	STATE LIBRARY OF IOWA	ENRICH IOWA PROGRAM INTERLIBRARY LOAN REIMBURSEMENT	MCNEIL, MARY ELIZABETH	LIBRARY	LIBRARY	007619-00001	Public Service	7/1/2019	6/30/2020	MAY 2019	4780920
\$4,503	CM SERVICES INC	CONTENT SEARCH PROJECT FOR ROADRESOURCE.ORG	BUSS, ASHLEY FAYE	COLLEGE OF ENGINEERING	CIVIL, CONSTR & ENVIRONMENTAL ENGR	020727-00001	Research	5/20/2019	8/23/2019	MAY 2019	4007245
\$4,200	BAYER CROPSCIENCE	DELARO, USF0411 SOYBEAN WHITE MOLD PROGRAM CONFIDENTIAL FIELD TRIAL	MUELLER, DAREN SHANE	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	020764-00001	Research	4/1/2019	12/31/2019	MAY 2019	
\$4,000	FRANKLIN COUNTY AGRICULTURAL EXTENSION DISTRICT	RISING STAR INTERNSHIP PROGRAM	OLSON, DONOVAN G	UNIVERSITY & COOPERATIVE EXTENSION	COOPERATIVE EXTENSION FIELD PROGRAM	017225-00001	Public Service	5/1/2017	12/31/2019	MAY 2019	
\$3,000	PENNSYLVANIA STATE UNIVERSITY	THE ROLE OF MEDIA DISCOURSE AND NGO ADVOCACY FOR	DIMITROVA, DANIELA	COLLEGE OF LIBERAL ARTS & SCIENCES	GREENLEE SCHOOL JOURNALISM/ COMMUNICATION	020757-00001	Research	6/1/2019	6/30/2020	MAY 2019	4006178

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		MARGINALIZED POPULATIONS									
\$2,500	EMERSON ELECTRIC COMPANY	CMI AFFILIATE PROGRAM MEMBERSHIP	HAASE, MARK CHRISTOPHER	AMES LABORATORY	AMES LABORATORY	020689-00001	Research	4/28/2019	6/30/2020	MAY 2019	
\$2,500	HARRELLS	PUTTING GREEN AERATION RECOVERY WITH HARRELL'S PRODUCTS	THOMS, ADAM WILLIAM	AG EXPERIMENT STATION	HORTICULTURE	020732-00001	Research	5/21/2019	5/20/2020	MAY 2019	
\$2,000	WORTH COUNTY AGRICULTURAL EXTENSION DISTRICT	RISING STAR INTERNSHIP PROGRAM	OLSON, DONOVAN G	UNIVERSITY & COOPERATIVE EXTENSION	COOPERATIVE EXTENSION FIELD PROGRAM	017227-00001	Public Service	5/1/2017	12/31/2019	MAY 2019	
\$1,900	VARIOUS ISUF DONORS-NONPROFIT	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	019273-00001	Academic Support	6/1/2018	5/31/2019	MAY 2019	
\$1,625	HENRY COUNTY CONSERVATION BOARD	LOCAL SUPPORT FOR IOWA AMERICORPS ENVIRONMENTAL EDUCATION PROGRAM, 2018-19	STAKER, JAY WILLIAM	UNIVERSITY & COOPERATIVE EXTENSION	EXTENSION TO YOUTH & 4H	020657-00001	Public Service	9/1/2018	8/31/2019	MAY 2019	