

Calendar Year: 2020
Month: Nov

Award Count: 117
Award Total: \$17,409,899

Award Amount	Sponsor	Award Title	PI	Lead Org Unit	Lead Org Dept	Award Number	Activity Type	Start Date	End Date	Award Register Date	Account
\$1,545,194	VARIOUS ISUF DONORS-INDIVIDUAL	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	022731-00001	Institutional Support	6/1/2020	5/31/2021	NOV. 2020	
\$1,423,447	VARIOUS ISUF DONORS-INDIVIDUAL	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	022732-00001	Scholarships & Fellowships	6/1/2020	5/31/2021	NOV. 2020	
\$1,003,515	DOE-US DEPARTMENT OF ENERGY	AMES LAB	SCHWARTZ, ADAM	AMES LABORATORY	AMES LABORATORY	004881-00001	Research	1/1/1981	12/31/2021	NOV. 2020	4012501
\$999,999	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	THE SCOOP ON POOP: CONNECTING MANURE MANAGEMENT TO ANTIMICROBIAL RESISTANCE	HOWE, ADINA	COLLEGE OF ENGINEERING	AG & BIOSYSTEMS ENGINEERING	023312-00001	Research	1/1/2021	12/31/2025	NOV. 2020	023312
\$995,748	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	IMPROVING ANTIBIOTIC STEWARDSHIP IN DAIRY GOATS TO ASSURE FOOD SAFETY AND MILK QUALITY	GORDEN, PATRICK J	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	023297-00001	Research	1/1/2021	12/31/2023	NOV. 2020	023297
\$539,218	ED-US DEPARTMENT OF EDUCATION	ISU TRIO EDUCATIONAL TALENT SEARCH	SPROUSE, DARCI ANN	VICE PRESIDENT FOR STUDENT AFFAIRS	EDUCATIONAL TALENT SEARCH	015955-00001	Student Services	9/1/2016	8/31/2021	NOV. 2020	4321406
\$515,089	NIH-NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES (NIEHS)	INVESTIGATING OBESITY-INDUCED ALTERED OVARIAN INTRACELLULAR SIGNALING	KEATING, AILEEN	AG EXPERIMENT STATION	ANIMAL SCIENCE	021861-00001	Research	1/1/2020	10/31/2021	NOV. 2020	021861
\$500,000	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	IN VITRO AND IN VIVO APPROACHES TO REFINE THE ROLES OF MANGANESE AND	HANSEN, STEPHANIE L	AG EXPERIMENT STATION	ANIMAL SCIENCE	023318-00001	Research	1/1/2021	12/31/2022	NOV. 2020	023318

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		ZINC IN MUSCLE GROWTH AND PROTEIN METABOLISM IN BEEF CATTLE									
\$499,955	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	CONFRONTING ISOTOPE-ENABLED MODELS WITH DATA TO QUANTIFY AND PREDICT SOIL CARBON CHANGE IN DIVERSIFIED CROPPING SYSTEMS	HALL, STEVEN JAMES	COLLEGE OF LIBERAL ARTS & SCIENCES	ECOLOGY, EVOLUTION & ORG BIOLOGY	023314-00001	Research	1/15/2021	1/14/2024	NOV. 2020	023314
\$470,000	VARIOUS ISUF DONORS-INDUSTRY/ CORPORATE	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	022739-00001	Operations & Maintenance	6/1/2020	5/31/2021	NOV. 2020	
\$381,897	VARIOUS ISUF DONORS-INDUSTRY/ CORPORATE	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	022736-00001	Institutional Support	6/1/2020	5/31/2021	NOV. 2020	
\$360,307	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS)	FINDING, FOLDING AND CHARACTERIZING THE FUNCTIONS OF DISEASE-RELEVANT RNA STRUCTURES IN THE HUMAN AND EPSTEIN-BARR VIRUS GENOMES	MOSS, WALTER	AG EXPERIMENT STATION	BIOCHEMISTRY & BIOPHYSICS	021363-00001	Research	9/15/2019	7/31/2021	NOV. 2020	021363
\$330,443	UNIVERSITY OF CALIFORNIA DAVIS	NSF CONVERGENCE ACCELERATOR - TRACK D: DATA-DRIVEN DISEASE CONTROL AND PREVENTION IN VETERINARY HEALTH	CLAVIJO-MICHELANGELI, M	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	023278-00001	Research	9/15/2020	5/31/2021	NOV. 2020	023278
\$314,161	VARIOUS ISUF	IOWA STATE	WINTERSTEEN,	PRESIDENT	PRESIDENT	022734-00001	Operations	6/1/2020	5/31/2021	NOV.	

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	DONORS-INDIVIDUAL	UNIVERSITY FOUNDATION DONATIONS	WENDY				& Maintenance			2020	
\$297,601	ED-US DEPARTMENT OF EDUCATION	ISU TRIO UPWARD BOUND	SPROUSE, DARCI ANN	VICE PRESIDENT FOR STUDENT AFFAIRS	UPWARD BOUND	017323-00001	Instruction	9/1/2017	8/31/2021	NOV. 2020	4321414
\$294,115	IOWA DEPARTMENT OF PUBLIC HEALTH	MULTIPLE RISKS AND FAMILY WELLBEING: A POPULATION-BASED STUDY OF HOME VISITING ENROLLMENT, RETENTION, AND OUTCOMES	ROUSE, HEATHER L	COLLEGE OF HUMAN SCIENCES	HUMAN DEVELOPMENT & FAMILY STUDIES	020079-00001	Research	8/1/2018	9/30/2021	NOV. 2020	4782829
\$280,000	GLOBAL ENGINEERING AND MATERIALS INC	PREDICTOR FOR AIRCRAFT STRUCTURAL LOADS DUE TO BUFFET	HSU, MING-CHEN	COLLEGE OF ENGINEERING	CTR FOR MULTIPHASE FLOW RES & EDUC	021301-00001	Research	8/20/2019	8/28/2023	NOV. 2020	021301
\$266,720	IOWA ECONOMIC DEVELOPMENT AUTHORITY	AN ORIGAMI STRUCTURAL DESIGN FOR NATURAL GAS PIPELINE REHABILITATION	OKUDAN-KREMER, GUL ERDEM	COLLEGE OF ENGINEERING	INDUSTRIAL & MANUFACTURING SYSTEMS ENGR	023371-00001	Research	9/25/2020	9/25/2022	NOV. 2020	023371
\$258,350	NSF-NATIONAL SCIENCE FOUNDATION	U.S. - IRELAND RESEARCH AND DEVELOPMENT PARTNERSHIP: CONTROL CO-DESIGN OF HETEROGENEOUS ARRAYS OF WAVE ENERGY CONVERTERS	ABDELKHALIK, OSSAMA OMAR	COLLEGE OF ENGINEERING	AEROSPACE ENGINEERING	023357-00001	Research	1/1/2021	12/31/2023	NOV. 2020	023357
\$250,000	DEERE & COMPANY	CROP HARVESTING SENSOR INNOVATIONS,	MCNAULL, ROBERT P	AG EXPERIMENT STATION	BIOCENTURY RESEARCH FARM	023273-00001	Research	11/1/2020	10/31/2021	NOV. 2020	023273

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		PHASE 8									
\$244,698	IOWA ECONOMIC DEVELOPMENT AUTHORITY	IMPROVE BATTERY ENERGY EFFICIENCY VIA STRUCTURAL DESIGN AND 3D PRINTING FOR ELECTRIC VEHICLES	QIN, HANTANG	COLLEGE OF ENGINEERING	INDUSTRIAL & MANUFACTURING SYSTEMS ENGR	023370-00001	Research	9/25/2020	9/25/2022	NOV. 2020	023370
\$239,227	IOWA ECONOMIC DEVELOPMENT AUTHORITY	STORING EXCESS SOLAR/WIND ELECTRICITY AS BIORENEWABLE FUELS BY ELECTROCATALYTIC CONVERSION OF BIOMASS	HU, SHAN	COLLEGE OF ENGINEERING	MECHANICAL ENGINEERING	023372-00001	Research	9/25/2020	9/25/2022	NOV. 2020	023372
\$230,000	STATE-US EMBASSY GHANA	INSTITUTIONAL CAPACITY BUILDING THROUGH ENGINEERS WITHOUT BORDERS (EWB) COLLABORATION IN THE ULLO TRADITIONAL AREA (UTA) OF THE UPPER WEST REGION OF GHAN	MAIER, DIRK EBERHARD	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	023268-00001	Student Services	10/1/2020	1/31/2023	NOV. 2020	023268
\$224,101	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS)	A BACTERIAL EFFECTOR PROTEIN MODULATES HOST CELL-TO-CELL COMMUNICATION	AUNG, KYAW	COLLEGE OF LIBERAL ARTS & SCIENCES	GENETICS DEVELOPMENT & CELL BIOLOGY	020009-00001	Research	12/10/2018	11/30/2021	NOV. 2020	4302152
\$220,000	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	NORTH CENTRAL FARM AND RANCH STRESS ASSISTANCE CENTER: ENGAGING PROGRAMS TO SUPPORT PRODUCER	BROWN, DAVID N	UNIVERSITY & COOPERATIVE EXTENSION	HUMAN SCIENCES EXTENSION AND OUTREACH	023295-00001	Public Service	9/1/2020	8/31/2021	NOV. 2020	023295

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		WELL-BEING									
\$185,934	UNIVERSITY OF IOWA	HEARTLAND CENTER: OCCUPATIONAL SAFETY PROGRAM	KEREN, NIR	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	022686-00001	Research	7/1/2020	6/30/2021	NOV. 2020	022686
\$183,656	VARIOUS ISUF DONORS-INDUSTRY/ CORPORATE	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	022737-00001	Scholarships & Fellowships	6/1/2020	5/31/2021	NOV. 2020	
\$181,929	IOWA DEPARTMENT OF PUBLIC HEALTH	MCH HEALTHY FAMILIES RESOURCES	JACOBS, TAMMY RAE	UNIVERSITY & COOPERATIVE EXTENSION	HUMAN SCIENCES EXTENSION AND OUTREACH	023365-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023365
\$169,605	VARIOUS ISUF DONORS-INDIVIDUAL	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	022730-00001	Academic Support	6/1/2020	5/31/2021	NOV. 2020	
\$163,362	IOWA DEPARTMENT OF PUBLIC HEALTH	MIECHV PHASE II YEAR 2 COP EVALUATION	HUGHES-BELDING, KERE	COLLEGE OF HUMAN SCIENCES	HUMAN DEVELOPMENT & FAMILY STUDIES	019867-00001	Research	10/1/2018	9/30/2021	NOV. 2020	4782826
\$156,000	IOWA ECONOMIC DEVELOPMENT AUTHORITY	PAIRED ELECTROLYZER FOR CONVERSION OF CRUDE GLYCERIN AND WASTE CO2	LI, WENZHEN	VP FOR RESEARCH	BIOECONOMY INSTITUTE	023355-00001	Research	9/25/2020	9/25/2022	NOV. 2020	023355
\$152,576	IMMUNACOR LLC	EFFECT OF AN INACTIVATED PARAPOXVIRUS BASED IMMUNOMODULATOR ON PRRSV, PEDV, OR PRCV INFECTION KINETICS IN PIGS	OPRIESSNIG, TANJA I	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	023343-00001	Research	10/1/2020	9/30/2021	NOV. 2020	023343
\$150,000	DEERE & COMPANY	CAB INNOVATIONS, PHASE 7 - PART 1	DARR, MATTHEW JOHN	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	023284-00001	Research	11/1/2020	10/31/2021	NOV. 2020	023284
\$142,159	UNIVERSITY OF	MODELING	SHARMA, ANUJ	VP FOR	INST FOR	019045-00001	Research	5/31/2018	3/14/2021	NOV.	4007770

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	NEBRASKA MEDICAL CENTER	MULTIDIMENSIONAL RISK IN REAL-WORLD DRIVERS WITH DIABETES		RESEARCH	TRANSPORTATION (INTRANS)					2020	
\$121,076	UNIVERSITY OF NEBRASKA MEDICAL CENTER	MONITORING REAL-WORLD DRIVER BEHAVIOR FOR CLASSIFICATION AND EARLY PREDICTION OF ALZHEIMER'S DISEASE	HALLMARK, SHAUNA L	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	023337-00001	Research	6/1/2020	2/28/2021	NOV. 2020	023337
\$120,408	NISTRON LLC	STTR PHASE I - ACTIVE DRUG TRANSPORT THROUGH A BLOOD-BRAIN BARRIER MODEL	MONTAZAMI, REZA	COLLEGE OF ENGINEERING	MECHANICAL ENGINEERING	023361-00001	Research	9/1/2020	8/31/2021	NOV. 2020	023361
\$113,273	UNIVERSITY OF MISSOURI COLUMBIA	CENTER FOR ADVANCING THE SOCIETAL IMPACTS OF RESEARCH	ROVER, DIANE THIEDE	COLLEGE OF ENGINEERING	ELECTRICAL ENGINEERING & COMPUTER ENGR	020220-00001	Research	9/15/2018	8/31/2023	NOV. 2020	4047203
\$112,500	AMERICAN EGG BOARD	AEB AND EIC PARTNERSHIP TO PROVIDE MONTHLY INDUSTRY REPORTS, ECONOMIC ANALYSIS AND INFORMATION SYNTHESIS FOR THE U.S. EGG INDUSTRY	GATES, RICHARD S	AG EXPERIMENT STATION	EGG INDUSTRY CENTER	023275-00001	Public Service	1/1/2021	12/31/2021	NOV. 2020	023275
\$112,256	PENNSYLVANIA STATE UNIVERSITY	ADDITIVE MANUFACTURING OF FUNCTIONAL HIERARCHICAL SHAPE MEMORY ALLOY STRUCTURES	PATHAK, SIDDHARTHA	COLLEGE OF ENGINEERING	MATERIALS SCIENCE & ENGINEERING	023280-00001	Research	8/1/2020	6/30/2022	NOV. 2020	023280
\$111,500	VARIOUS ISUF DONORS-	IOWA STATE UNIVERSITY	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	022738-00001	Research	6/1/2020	5/31/2021	NOV. 2020	

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	INDUSTRY/ CORPORATE	FOUNDATION DONATIONS									
\$102,000	KEMIN INDUSTRIES	PESTICIDE DEVELOPMENT PLATFORM FOR THE IDENTIFICATION, SCREENING, AND MODE OF ACTION DETERMINATION OF PLANT ESSENTIAL OILS AND/OR EXTRACTS	COATS, JOEL	AG EXPERIMENT STATION	ENTOMOLOGY	023305-00001	Research	11/15/2020	11/14/2022	NOV. 2020	023305
\$100,800	IOWA COMMISSION ON VOLUNTEER SERVICE (IOWA ECONOMIC DEVELOPMENT AUTHORITY)	IOWA AMERICORPS 4-H ENVIRONMENTAL EDUCATION PROGRAM	GOOD, TILAINÉ BELL	UNIVERSITY & COOPERATIVE EXTENSION	EXTENSION TO YOUTH & 4H	022923-00001	Public Service	9/1/2020	8/31/2021	NOV. 2020	022923
\$100,280	VARIOUS ISUF DONORS- INDIVIDUAL	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	022733-00001	Research	6/1/2020	5/31/2021	NOV. 2020	
\$100,005	MERCK & COMPANY INC	FEASIBILITY OF REPRODUCING CLINICAL DISEASE ASSOCIATED WITH A NOVEL VIRUS USING TISSUE HOMOGENATE MATERIAL IN BRED SOWS	ARRUDA, BAILEY LAUREN	COLLEGE OF VETERINARY MEDICINE	VET DIAGNOSTIC & PRODUCTION ANIMAL MED	023358-00001	Research	11/12/2020	11/11/2023	NOV. 2020	023358
\$99,898	IOWA DEPARTMENT OF TRANSPORTATION	PONTIS IMPLEMENTATION AND OPERATION: IOWA DOT	SMADI, OMAR G	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	004459-00001	Research	1/1/2006	12/31/2021	NOV. 2020	4747997
\$95,000	HONEYWELL FEDERAL	MATERIALS FOR EXTREME	COCHRAN, ERIC W	COLLEGE OF ENGINEERING	CHEMICAL & BIOLOGICAL ENGR	023366-00001	Research	11/18/2020	8/31/2021	NOV. 2020	023366

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	MANUFACTURING & TECHNOLOGIES LLC	ENVIRONMENTS									
\$90,900	ASSOCIATION OF STATE PUBLIC HEALTH NUTRITIONISTS	RACIAL EQUITY IN IOWA FARM TO SCHOOL AND EARLY CARE: ADVANCING OUTCOMES THROUGH PROCESS, PROGRAMS AND POLICIES	LONG, COURTNEY A	UNIVERSITY & COOPERATIVE EXTENSION	VALUE ADD AG-EXTENSION	023351-00001	Public Service	11/1/2020	10/31/2021	NOV. 2020	023351
\$81,113	IOWA DEPARTMENT OF HUMAN SERVICES	NARROW COST ANALYSIS AND MARKET RATE SURVEY REPORT	LIPPARD, CHRISTINE NICOLE	COLLEGE OF HUMAN SCIENCES	HUMAN DEVELOPMENT & FAMILY STUDIES	023341-00001	Research	11/20/2020	6/30/2021	NOV. 2020	023341
\$75,000	UNIVERSITY OF CALIFORNIA-LAWRENCE BERKELEY NATIONAL LABORATORY	THE JOINT BIOENERGY INSTITUTE	SHANKS, BRENT H	VP FOR RESEARCH	CTR FOR BIORENEWABLE CHEMICALS	018654-00001	Research	3/9/2018	9/30/2022	NOV. 2020	4046204
\$70,000	IA DPS-GOVERNOR'S TRAFFIC SAFETY BUREAU	GOVERNOR'S HIGHWAY TRAFFIC SAFETY CONFERENCE, FY21	KIEFFER, JULIE ANNE	UNIVERSITY & COOPERATIVE EXTENSION	CONFERENCE PLANNING & MGMT	023277-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023277
\$68,808	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	7/31/2021	NOV. 2020	4044104
\$67,500	IOWA EGG COUNCIL	POULTRY MANURE MANAGEMENT TO PROMOTE SOIL HEALTH AND ENVIRONMENTAL RESILIENCE	SOUPIR, MICHELLE LYNN	COLLEGE OF ENGINEERING	AG & BIOSYSTEMS ENGINEERING	023347-00001	Research	1/1/2021	12/31/2021	NOV. 2020	023347
\$66,543	VIRGINIA POLYTECHNIC	S212: IMPL: THE MOLECULAR SCIENCE	WINDUS, THERESA L	COLLEGE OF LIBERAL ARTS	CHEMISTRY	016592-00001	Research	8/1/2016	7/31/2021	NOV. 2020	4046138

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	INSTITUTE & STATE UNIVERSITY	SOFTWARE INSTITUTE		& SCIENCES							
\$64,700	NATIONAL 4H COUNCIL	2020-2021 4-H HEALTHY HABITS	TAYLOR, CAYLA NOEL	UNIVERSITY & COOPERATIVE EXTENSION	EXTENSION TO YOUTH & 4H	023340-00001	Public Service	9/1/2020	10/31/2021	NOV. 2020	023340
\$55,714	VARIOUS ISUF DONORS-NONPROFIT	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	022742-00001	Scholarships & Fellowships	6/1/2020	5/31/2021	NOV. 2020	
\$54,290	NUTRECO	ANIMAL PRODUCT TESTING- EFFECTS OF INTELLIBOND(R) Z (ZINC HYDROXYCHLORIDE) ON INTESTINAL PERMEABILITY, SYSTEMIC INFLAMMATION, AND METABOLISM IN HEAT-STRESSED COWS	BAUMGARD, LANCE HALL	AG EXPERIMENT STATION	ANIMAL SCIENCE	023274-00001	Research	11/1/2020	10/31/2021	NOV. 2020	023274
\$49,948	DOT-FEDERAL HIGHWAY ADMINISTRATION (FHWA)	ADVANCING CONCRETE PAVEMENT TECHNOLOGY SOLUTIONS	TAYLOR, PETER C	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	019859-00001	Research	11/7/2018	11/6/2023	NOV. 2020	4361757
\$49,756	NATIONAL MPS SOCIETY	EFFICACY OF GENE THERAPY AND PENTOSAN POLYSULFATE THERAPY IN A LARGE ANIMAL MODEL OF MPS IIIB	SMITH, JODI DEE	COLLEGE OF VETERINARY MEDICINE	VET PATHOLOGY	023330-00001	Research	12/1/2020	11/30/2021	NOV. 2020	023330
\$48,195	UNIVERSITY OF TEXAS AUSTIN	SYNTHETIC BIOLOGY FOR CONTROLLED RELEASE	KANTHASAMY, ANUMANTHA G	COLLEGE OF VETERINARY MEDICINE	ICAN (IA CTR FOR ADV NEUROTOX)	021549-00001	Research	5/4/2019	1/31/2021	NOV. 2020	021549

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\$45,385	UNIVERSITY OF IOWA	DEEP LEARNING METHODS TO PERSONALIZE ANTIBODY THERAPEUTICS FOR DELAYING VIRAL REBOUND AFTER CESSATION OF ART	HU, GUIPING	COLLEGE OF ENGINEERING	INDUSTRIAL & MANUFACTURING SYSTEMS ENGR	023315-00001	Research	10/5/2020	9/30/2021	NOV. 2020	023315
\$45,000	CJ BIO AMERICA INC	ANIMAL PRODUCT TRIAL- WATER- AND FEED-BASED ARGININE IMPACTS ON GUT INTEGRITY IN WEANLING PIGS	GREINER, LAURA LEE	AG EXPERIMENT STATION	ANIMAL SCIENCE	023336-00001	Research	11/10/2020	11/9/2021	NOV. 2020	023336
\$45,000	NATIONAL ACADEMIES	IMPLEMENTATION OF SUBSURFACE UTILITY ENGINEERING FOR HIGHWAY DESIGN AND CONSTRUCTION	STURGILL, ROY	VP FOR RESEARCH	INST FOR TRANSPORTATION (INTRANS)	023339-00001	Public Service	11/16/2020	5/16/2022	NOV. 2020	023339
\$44,525	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	HONEYMAN, MARK S	AG EXPERIMENT STATION	ISU RESEARCH FARMS	023212-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023212
\$43,784	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	MCGILL, JODI LYNN	COLLEGE OF VETERINARY MEDICINE	VETERINARY MICROBIOLOGY & PREV MEDICINE	023331-00001	Public Service	10/15/2020	10/14/2021	NOV. 2020	023331
\$43,784	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	WANNEMUEHLER, MICHAEL	COLLEGE OF VETERINARY MEDICINE	VETERINARY MICROBIOLOGY & PREV MEDICINE	023332-00001	Public Service	10/15/2020	10/14/2021	NOV. 2020	023332
\$41,000	UTAH STATE UNIVERSITY	AGRICULTURAL SAFETY EDUCATION INITIATIVE	SMALLEY, SCOTT W	AG EXPERIMENT STATION	AG EDUCATION & STUDIES	023325-00001	Academic Support	9/15/2020	8/14/2021	NOV. 2020	023325
\$38,694	USDA- AGRICULTURAL RESEARCH	ACQUISITION OF GOODS AND SERVICES	MCGILL, JODI LYNN	COLLEGE OF VETERINARY MEDICINE	VETERINARY MICROBIOLOGY & PREV MEDICINE	023342-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023342

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	SERVICES (ARS)										
\$38,250	THE SCRIPPS RESEARCH INSTITUTE	SPREAD AND EVOLUTION OF WEST NILE VIRUS IN THE UNITED STATES	SMITH, RYAN CHAD	AG EXPERIMENT STATION	ENTOMOLOGY	023319-00001	Research	9/2/2020	8/31/2021	NOV. 2020	023319
\$35,000	ALLIANCE FOR SUSTAINABLE ENERGY LLC-NATIONAL RENEWABLE ENERGY LABORATORY	CONTINUED DEEP REINFORCEMENT LEARNING FOR POWER SYSTEM RESILIENCE: ENHANCEMENT	VILLEGAS, PICO HUGO NESTO	COLLEGE OF ENGINEERING	ELECTRIC POWER RESEARCH CTR	023364-00001	Research	11/17/2020	9/30/2021	NOV. 2020	023364
\$32,249	SCHNEIDER ELECTRIC USA INC	STATISTICAL RESEARCH EXPLORATORY DATA ANALYSIS WITH SCHNEIDER ELECTRIC	HOFMANN, HEIKE	VP FOR RESEARCH	CTR FOR STAT & APPL IN FORENSIC EVIDENCE	023276-00001	Instruction	1/1/2021	8/15/2021	NOV. 2020	023276
\$30,600	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	MANAGING CARBON AND NUTRIENTS IN MIDWESTERN U.S. AGROECOSYSTEMS FOR ENHANCED SOIL HEALTH AND ENVIRONMENTAL QUALITY	MCDANIEL, MARSHALL DOUGLA	AG EXPERIMENT STATION	AGRONOMY	019643-00001	Research	9/1/2018	2/28/2021	NOV. 2020	4194039
\$30,000	BATTELLE ENERGY ALLIANCE-IDAHO NATIONAL LABORATORY	ISU EPRC COLLABORATION ON DEPLOYABLE WIND TURBINES AND RESILIENT DISTRIBUTED WIND APPLICATIONS IN MICROGRIDS	KIMBER, ANNE	COLLEGE OF ENGINEERING	ELECTRIC POWER RESEARCH CTR	023363-00001	Research	11/16/2020	9/30/2021	NOV. 2020	023363
\$28,820	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	023123-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023123

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\$28,150	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	NATL LAB FOR AG & ENVIRONMENT	023071-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023071
\$26,918	UNIVERSITY OF ALBERTA	GAB002- APPLICATION OF GENOMICS TO IMPROVE DISEASE RESILIENCE AND SUSTAINABILITY IN PORK PRODUCTION	DEKKERS, JACK C	AG EXPERIMENT STATION	ANIMAL SCIENCE	019779-00001	Research	10/1/2018	3/31/2021	NOV. 2020	4004740
\$26,297	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	MOOYOTTU, SHANKUMAR	COLLEGE OF VETERINARY MEDICINE	VET PATHOLOGY	023333-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023333
\$25,820	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	023120-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023120
\$25,000	DOD-OFFICE OF NAVAL RESEARCH (ONR)	PREDICTIVE AND CAUSAL MODELING WITH CAUSAL GRAPHICAL MODELS	TIAN, JIN	COLLEGE OF LIBERAL ARTS & SCIENCES	COMPUTER SCIENCE	016700-00001	Research	1/1/2017	12/31/2021	NOV. 2020	4212113
\$25,000	UNIVERSITY OF MASSACHUSETTS WORCESTER	AUTISM INTERVENTION RESEARCH NETWORKS	PITCHFORD, EDWARD ANDREW	COLLEGE OF HUMAN SCIENCES	KINESIOLOGY	023291-00001	Research	7/1/2020	6/30/2021	NOV. 2020	023291
\$24,999	MICHAEL J FOX FOUNDATION	RT QUIC ASSAY FOR ALPHA-SYN IN INCIDENTAL LEWY BODY DISEASE	KANTHASAMY, ANUMANTHA G	COLLEGE OF VETERINARY MEDICINE	ICAN (IA CTR FOR ADV NEUROTOX)	023338-00001	Research	11/16/2020	3/15/2021	NOV. 2020	023338
\$23,961	IOWA DEPARTMENT OF AGRICULTURE & LAND STEWARDSHIP	ENHANCING LOCAL FOOD PROCUREMENT AND EDUCATION IN IOWA SNAP-ED SCHOOLS	LONG, COURTNEY A	UNIVERSITY & COOPERATIVE EXTENSION	VALUE ADD AG- EXTENSION	023327-00001	Public Service	10/1/2020	12/31/2022	NOV. 2020	023327
\$23,826	MERCK &	ANIMAL PRODUCT	HANSEN,	AG	ANIMAL SCIENCE	023271-00001	Research	9/1/2020	8/31/2021	NOV.	023271

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	COMPANY INC	TRIAL - DETERMINING THE MINERAL RETENTION OF BEEF CARCASSES UNDER NHTC VS. REVALOR-XS CONDITIONS	STEPHANIE L	EXPERIMENT STATION						2020	
\$23,194	IOWA DEPARTMENT OF AGRICULTURE & LAND STEWARDSHIP	VALORIZATION OF COLD-HARDY GRAPE POMACE	WATRELOT, AUDE	UNIVERSITY & COOPERATIVE EXTENSION	FOOD SCIENCE & HUMAN NUTRITION	023281-00001	Research	9/30/2020	9/30/2021	NOV. 2020	023281
\$22,172	AMERICAN HOLISTIC VETERINARY MEDICAL FOUNDATION	PILOT STUDY OF HIGH-DOSE ASCORBATE COMBINED WITH CARBOPLATIN FOR CANINE OSTEOSARCOMA	MUSSER, MARGARET	COLLEGE OF VETERINARY MEDICINE	VET CLINICAL SCIENCES	023350-00001	Research	1/1/2021	12/31/2021	NOV. 2020	023350
\$22,140	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	023124-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023124
\$18,331	PREFENSE LLC	EVALUATION OF PREFENSE HAND AND MULTI-SURFACE PRO SANITIZERS EFFICACY IN SARS COV2 INACTIVATION	JELESIJEVIC, TOMISLAV	COLLEGE OF VETERINARY MEDICINE	VET PATHOLOGY	023269-00001	Research	10/1/2020	3/31/2021	NOV. 2020	023269
\$17,500	SEALED AIR CORPORATION	POLYMER AND FOOD PROTECTION CONSORTIUM 2020 MEMBERSHIP SEALED AIR 2020 PFPC MEMBERSHIP	VORST, KEITH	AG EXPERIMENT STATION	FOOD SCIENCE & HUMAN NUTRITION	023288-00001	Research	5/1/2020	4/30/2021	NOV. 2020	
\$17,500	NOVOLEX	POLYMER AND FOOD PROTECTION CONSORTIUM 2020	VORST, KEITH	AG EXPERIMENT STATION	FOOD SCIENCE & HUMAN NUTRITION	023292-00001	Research	5/1/2020	4/30/2021	NOV. 2020	

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		MEMBERSHIP NOVOLEX 2020 PFPC MEMBERSHIP									
\$17,000	UNIVERSITY OF KENTUCKY	SCN COALITION: REINFORCING AND MAINTAINING LOCAL EFFORTS AND SUSTAINABLE YIELDS	TYLKA, GREGORY L	AG EXPERIMENT STATION	PLANT PATHOLOGY	023323-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023323
\$16,500	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	SERB-ACQUISITION OF GOODS AND SERVICES FOR BIOINFORMATIC ANALYSIS OF BISON GENOME	SERB, JEANNE M	VP FOR RESEARCH	BIOTECHNOLOGY	023302-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023302
\$16,469	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	023092-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023092
\$15,218	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	DINSMORE, STEPHEN J	AG EXPERIMENT STATION	ENTOMOLOGY	023249-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023249
\$15,000	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	023122-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023122
\$13,666	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	LAMKEY, KENDALL RAYE	AG EXPERIMENT STATION	AGRONOMY	023111-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023111
\$13,458	VARIOUS ISUF DONORS- NONPROFIT	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	022741-00001	Institutional Support	6/1/2020	5/31/2021	NOV. 2020	
\$12,000	COOPER INSTITUTE	SERVICE AS THE FITNESSGRAM	WELK, GREGORY	COLLEGE OF HUMAN	KINESIOLOGY	012765-00001	Public Service	10/1/2014	9/30/2021	NOV. 2020	4002833

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		SCIENTIFIC ADVISORY BOARD (SAB) DIRECTOR		SCIENCES							
\$12,000	SYNGENTA CROP PROTECTION LLC	FIELD TRIALS	O'NEAL, MATTHEW ELLIOTT	AG EXPERIMENT STATION	ENTOMOLOGY	023290-00001	Research	6/1/2020	12/31/2020	NOV. 2020	
\$11,883	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	ACQUISITION OF GOODS AND SERVICES	DINSMORE, STEPHEN J	AG EXPERIMENT STATION	ENTOMOLOGY	023248-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023248
\$11,130	INGREDION INCORPORATED	TECHNICAL EVALUATION- QUANTIFICATION OF ETHYLENE OXIDE IN WASTE WATER USING GAS CHROMATOGRAPHY- MASS SPECTROMETRY (GC- MS)	VENKITASAMY, CHANDRASEKAR	AG EXPERIMENT STATION	FOOD SCIENCE & HUMAN NUTRITION	023352-00001	Research	1/1/2021	5/31/2021	NOV. 2020	023352
\$9,591	VERMEER CORPORATION	TECHNICAL EVALUATION - EVALUATION OF A SUSPENSION CONCEPT FOR A MOBILE EQUIPMENT	STEWART, BRIAN LYNN	AG EXPERIMENT STATION	AG & BIOSYSTEMS ENGINEERING	023359-00001	Public Service	11/1/2020	4/30/2021	NOV. 2020	023359
\$8,078	USDA- AGRICULTURAL RESEARCH SERVICES (ARS)	SERB-ACQUISITION OF GOODS AND SERVICES FOR SEQUENCING, PRIMERS, OGLIOS, ETC.	SERB, JEANNE M	VP FOR RESEARCH	BIOTECHNOLOGY	023301-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023301
\$6,800	CLAY COUNTY CONSERVATION BOARD	2020-2021 LOCAL SUPPORT FOR IOWA AMERICORPS ENVIRONMENTAL EDUCATION PROGRAM	GOOD, TILAINÉ BELL	UNIVERSITY & COOPERATIVE EXTENSION	EXTENSION TO YOUTH & 4H	023058-00001	Public Service	9/1/2020	8/31/2021	NOV. 2020	023058

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\$5,000	VARIOUS ISUF DONORS- NONPROFIT	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	022743-00001	Research	6/1/2020	5/31/2021	NOV. 2020	
\$4,000	BASF CORPORATION	FIELD TRIAL - EVALUATE CONTROL OF FALL DOLLAR SPOT ON GREENS OR FAIRWAY HEIGHT TURF 20BRJ010	THOMS, ADAM WILLIAM	AG EXPERIMENT STATION	HORTICULTURE	023298-00001	Research	9/1/2020	12/31/2020	NOV. 2020	
\$4,000	BASF CORPORATION	FIELD TRIAL - EVALUATE CONTROL OF BROWN PATCH ON GOLF COURSE GREENS 20BRJ011	THOMS, ADAM WILLIAM	AG EXPERIMENT STATION	HORTICULTURE	023299-00001	Research	9/1/2020	12/31/2020	NOV. 2020	
\$4,000	VALENT USA CORPORATION	FIELD TRIAL	MUELLER, DAREN SHANE	UNIVERSITY & COOPERATIVE EXTENSION	PLANT PATHOLOGY	023300-00001	Research	5/1/2020	4/30/2021	NOV. 2020	
\$3,600	HARDIN COUNTY CONSERVATION BOARD	2020-2021 LOCAL SUPPORT FOR IOWA AMERICORPS ENVIRONMENTAL EDUCATION PROGRAM	GOOD, TILAINÉ BELL	UNIVERSITY & COOPERATIVE EXTENSION	EXTENSION TO YOUTH & 4H	023354-00001	Public Service	9/1/2020	8/31/2021	NOV. 2020	023354
\$3,500	HIP-HOPE	APPC AMERICORPS MEMBER ACCOUNT	MELBY, JANET NIEUWSMA	COLLEGE OF HUMAN SCIENCES	HUMAN DEVELOPMENT & FAMILY STUDIES	023279-00001	Public Service	9/4/2020	8/31/2021	NOV. 2020	023279
\$3,000	IA DPS- GOVERNOR'S TRAFFIC SAFETY BUREAU	IOWA STATE UNIVERSITY PEDESTRIAN SAFETY INITIATIVE	NEWTON, MICHAEL RAY	SR VP FOR UNIV SERVICES	PUBLIC SAFETY	023362-00001	Public Service	10/1/2020	9/30/2021	NOV. 2020	023362
\$2,535	IOWA CORN PROMOTION BOARD	PHENOTYPIC PLASTICITY AND GENOTYPE BY ENVIRONMENT INTERACTION	YU, JIANMING	AG EXPERIMENT STATION	AGRONOMY	023289-00001	Research	11/1/2020	6/30/2021	NOV. 2020	023289

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\$2,500	MP MATERIALS	CMI AFFILIATE PROGRAM MEMBERSHIP	LOGRASSO, THOMAS ANTHONY	AMES LABORATORY	AMES LABORATORY	023306-00001	Research	10/2/2020	12/31/2021	NOV. 2020	
\$2,500	MOSAIC COMPANY	CMI AFFILIATE PROGRAM MEMBERSHIP	LOGRASSO, THOMAS ANTHONY	AMES LABORATORY	AMES LABORATORY	023307-00001	Research	10/5/2020	12/31/2021	NOV. 2020	
\$1,500	NATIONAL 4H COUNCIL	NATIONAL 4-H COUNCIL HEALTHY HABITS GRANT	TAYLOR, CAYLA NOEL	UNIVERSITY & COOPERATIVE EXTENSION	EXTENSION TO YOUTH & 4H	021612-00001	Public Service	9/1/2019	8/31/2021	NOV. 2020	021612
\$500	PAJARITO POWDER LLC	CMI AFFILIATE PROGRAM MEMBERSHIP	LOGRASSO, THOMAS ANTHONY	AMES LABORATORY	AMES LABORATORY	023353-00001	Research	10/20/2020	12/31/2021	NOV. 2020	
\$500	PHINIX LLC	CMI AFFILIATE PROGRAM MEMBERSHIP	LOGRASSO, THOMAS ANTHONY	AMES LABORATORY	AMES LABORATORY	023356-00001	Research	7/1/2020	6/30/2021	NOV. 2020	
\$476	IOWA DEPARTMENT OF PUBLIC HEALTH	SNAP-ED FARM TO SCHOOL PROGRAMMING	LONG, COURTNEY A	UNIVERSITY & COOPERATIVE EXTENSION	VALUE ADD AG-EXTENSION	021560-00001	Public Service	10/1/2019	9/30/2020	NOV. 2020	021560
\$125	VARIOUS ISUF DONORS-NONPROFIT	IOWA STATE UNIVERSITY FOUNDATION DONATIONS	WINTERSTEEN, WENDY	PRESIDENT	PRESIDENT	022744-00001	Operations & Maintenance	6/1/2020	5/31/2021	NOV. 2020	