

Calendar Year: 2019
Month: Aug

Award Count: 185
Award Total: \$36,401,877

| Award Amount | Sponsor | Award Title | PI | Lead Org Unit | Lead Org Dept | Award Number | Activity Type | Start Date | End Date | Award Register Date | Account |
|--------------|--|--|-------------------------|------------------------------------|---|--------------|----------------------------|------------|------------|---------------------|---------|
| \$4,749,705 | DOE-US DEPARTMENT OF ENERGY | AMES LAB | SCHWARTZ, ADAM | AMES LABORATORY | AMES LABORATORY | 004881-00001 | Research | 1/1/1981 | 12/31/2021 | AUG. 2019 | 4012501 |
| \$3,400,000 | USDA-NATURAL RESOURCES CONSERVATION SERVICE (NRCS) | STATISTICAL AND SURVEY METHODS SUPPORT FOR THE NATIONAL RESOURCES INVENTORY | ZHU, ZHENGYUAN | COLLEGE OF LIBERAL ARTS & SCIENCES | CTR FOR SURVEY STATISTICS & METHODOLOGY | 017301-00001 | Research | 5/22/2017 | 6/30/2020 | AUG. 2019 | 4122105 |
| \$1,474,270 | VARIOUS ISUF DONORS-INDIVIDUAL | IOWA STATE UNIVERSITY FOUNDATION DONATIONS | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021056-00001 | Institutional Support | 6/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$1,401,705 | VARIOUS ISUF DONORS-INDIVIDUAL | IOWA STATE UNIVERSITY FOUNDATION DONATIONS | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021052-00001 | Scholarships & Fellowships | 6/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$1,172,425 | IOWA DEPARTMENT OF TRANSPORTATION | WORK ORDER 12: COMMUNITY TRANSPORTATION ENHANCEMENT PLANNING | BADENHOPE, JULIA M | UNIVERSITY & COOPERATIVE EXTENSION | LANDSCAPE ARCHITECTURE | 021179-00001 | Public Service | 7/1/2019 | 12/30/2022 | AUG. 2019 | 021179 |
| \$1,005,125 | DOT-FEDERAL HIGHWAY ADMINISTRATION (FHWA) | DEEP INSIGHT: DEEP EXTRACTION OF DRIVER STATE FROM NATURALISTIC DRIVING DATASET | SHARMA, ANUJ | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 021231-00001 | Research | 8/20/2019 | 8/19/2022 | AUG. 2019 | 021231 |
| \$909,964 | USDA-AGRICULTURAL RESEARCH SERVICES (ARS) | EXTENDING THE AGRICULTURAL CONSERVATION PLANNING FRAMEWORK FOR NRCS EVALUATION AND ADOPTION IN MULTIPLE STATES | MILLER, MELISSA SUZANNE | VP FOR RESEARCH | IOWA WATER CENTER | 021220-00001 | Research | 8/1/2019 | 8/31/2021 | AUG. 2019 | 021220 |
| \$901,688 | VARIOUS ISUF DONORS- | IOWA STATE UNIVERSITY | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021058-00001 | Operations & | 6/1/2019 | 5/31/2020 | AUG. 2019 | |

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| | INDUSTRY/ CORPORATE | FOUNDATION DONATIONS | | | | | Maintenance | | | | |
| \$663,868 | VARIOUS ISUF DONORS- INDUSTRY/ CORPORATE | IOWA STATE UNIVERSITY FOUNDATION DONATIONS | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021061-00001 | Institutional Support | 6/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$616,397 | NSF-NATIONAL SCIENCE FOUNDATION | COLLABORATIVE RESEARCH: CIBR: GEOMORPH - STATISTICAL SOFTWARE FOR SHAPE ANALYSIS: ENHANCING USABILITY, PERFORMANCE, AND METHODS | ADAMS, DEAN | COLLEGE OF LIBERAL ARTS & SCIENCES | ECOLOGY, EVOLUTION & ORG BIOLOGY | 021191-00001 | Research | 8/15/2019 | 7/31/2022 | AUG. 2019 | 021191 |
| \$600,000 | IOWA DEPARTMENT OF TRANSPORTATION | CONNECTED AUTONOMOUS VEHICLE (CAV) RESEARCH SUPPORT | HAWKINS, NEAL R | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 018532-00001 | Research | 12/1/2017 | 6/30/2020 | AUG. 2019 | 4748046 |
| \$532,683 | VARIOUS ISUF DONORS- INDIVIDUAL | IOWA STATE UNIVERSITY FOUNDATION DONATIONS | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021054-00001 | Academic Support | 6/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$529,150 | NIH-NATIONAL CANCER INSTITUTE (NCI) | NANOVACCINE PLATFORMS TO COMBAT PANCREATIC CANCER | NARASIMHAN, BALAJI | VP FOR RESEARCH | NANOVACCINE INSTITUTE | 017983-00001 | Research | 9/25/2017 | 8/31/2020 | AUG. 2019 | 4301740 |
| \$502,631 | UNIVERSITY OF NORTHERN IOWA | REGIONAL STEM SCALE-UP PROGRAMMING SUPPORT FOR FY20 | HIGGINS, CHADWICK CHARLES | UNIVERSITY & COOPERATIVE EXTENSION | VP EXTENSION & OUTREACH | 021180-00001 | Public Service | 7/1/2019 | 6/30/2020 | AUG. 2019 | 021180 |
| \$500,433 | NSF-NATIONAL SCIENCE FOUNDATION | WHEN THE EARTH WARMS: PALEOCEANOGRAPHY AT THE SOUTHERN ICE MARGIN IN THE | CAISSIE, BETH E | COLLEGE OF LIBERAL ARTS & SCIENCES | GEOLOGICAL & ATMOSPHERIC SCIENCES | 021196-00001 | Research | 9/1/2019 | 8/31/2022 | AUG. 2019 | 021196 |

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| | | BERING SEA DURING THREE GLACIAL-INTERGLACIAL TRANSITIONS | | | | | | | | | |
| \$433,250 | NSF-NATIONAL SCIENCE FOUNDATION | A MULTISCALE COMPUTATIONAL ANALYSIS OF THE DEFECT-ASSISTED IONIC TRANSPORT IN PLASTICALLY DEFORMED SOLID OXIDES | XIONG, LIMING | COLLEGE OF ENGINEERING | AEROSPACE ENGINEERING | 021148-00001 | Research | 1/1/2020 | 12/31/2023 | AUG. 2019 | 021148 |
| \$397,001 | DOD-NAVY | MONITORING SURVIVAL AND DEMOGRAPHY OF MICRONESIAN STARLINGS ON ANDERSEN AIR FORCE BASE (AAFB) | ROGERS, HALDRE STAR | COLLEGE OF LIBERAL ARTS & SCIENCES | ECOLOGY, EVOLUTION & ORG BIOLOGY | 021150-00001 | Research | 8/5/2019 | 2/4/2021 | AUG. 2019 | 021150 |
| \$375,745 | NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS) | SIGNAL INTEGRATION FROM MEMBRANES TO THE ACTIN CYTOSKELETON | CHEN, BAOYU | AG EXPERIMENT STATION | BIOCHEMISTRY & BIOPHYSICS | 019328-00001 | Research | 8/1/2018 | 7/31/2020 | AUG. 2019 | 4304022 |
| \$369,396 | NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS) | ATOMIC-LEVEL CHARACTERIZATION OF SELF-REGULATORY MECHANISMS IN LARGE MULTIDOMAIN ENZYMES | VENDITTI, VINCENZO | COLLEGE OF LIBERAL ARTS & SCIENCES | CENTER FOR CATALYSIS | 021133-00001 | Research | 9/1/2019 | 5/31/2020 | AUG. 2019 | 021133 |
| \$369,111 | NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS) | STUDY THE ROLE OF INTEGRIN TENSION IN CELL MIGRATION, PLATELET CONTRACTION AND INVADOPIDIUM | WANG, XUEFENG | COLLEGE OF LIBERAL ARTS & SCIENCES | PHYSICS & ASTRONOMY | 019409-00001 | Research | 8/10/2018 | 7/31/2020 | AUG. 2019 | 4302148 |

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| | | DYNAMICS | | | | | | | | | |
| \$364,950 | VANASSE HANGEN BRUSTLIN INC | TECHNICAL SUPPORT FOR ROADWAY INFORMATION DATABASE FOR SAFETY TRAINING AND ANALYSIS CENTER (STAC) | SMADI, OMAR G | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 018235-00001 | Research | 6/12/2017 | 6/11/2021 | AUG. 2019 | 4047745 |
| \$354,433 | VARIOUS ISUF DONORS-INDIVIDUAL | IOWA STATE UNIVERSITY FOUNDATION DONATIONS | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021053-00001 | Operations & Maintenance | 6/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$346,999 | NSF-NATIONAL SCIENCE FOUNDATION | DATA-DRIVEN VOLTAGE VAR OPTIMIZATION ENABLING EXTREME INTEGRATION OF DISTRIBUTED SOLAR ENERGY | WANG, ZHAOYU | COLLEGE OF ENGINEERING | ELECTRIC POWER RESEARCH CTR | 021186-00001 | Research | 8/15/2019 | 7/31/2022 | AUG. 2019 | 021186 |
| \$337,730 | NSF-NATIONAL SCIENCE FOUNDATION | CONJUGATED ENERGY TRANSPORT AND HOT CARRIER DIFFUSION IN 2D TRANSITION METAL DICHALCOGENIDES: NOVEL CHARACTERIZATION TOWARD FUNDAMENTAL UNDERSTANDING | WANG, XINWEI | COLLEGE OF ENGINEERING | MECHANICAL ENGINEERING | 021283-00001 | Research | 9/1/2019 | 8/31/2022 | AUG. 2019 | 021283 |
| \$326,462 | NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS) | STRUCTURE AND FUNCTION OF DISC1 IN THE CAMP PATHWAY | ROCHE, JULIEN F | COLLEGE OF LIBERAL ARTS & SCIENCES | BIOCHEMISTRY & BIOPHYSICS | 021263-00001 | Research | 9/1/2019 | 8/31/2020 | AUG. 2019 | 021263 |
| \$325,000 | NSF-NATIONAL SCIENCE | MAGNETIC IONIC LIQUIDS AS TUNABLE | ANDERSON, JARED LEE | COLLEGE OF LIBERAL ARTS | CHEMISTRY | 017230-00001 | Research | 8/1/2017 | 7/31/2022 | AUG. 2019 | 4207179 |

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| | FOUNDATION | SOLVENTS FOR SAMPLE PREPARATION AND CHEMICAL ANALYSIS | | & SCIENCES | | | | | | | |
| \$311,249 | NSF-NATIONAL SCIENCE FOUNDATION | COLLABORATIVE: STANDARD: INSTITUTIONS IN STUDENT ORGANIZATIONS CULTIVATING CULTURES OF ETHICAL ENGINEERING | POLEACOVSKI, CRISTINA | COLLEGE OF ENGINEERING | CIVIL, CONSTR & ENVIRONMENTAL ENGR | 021103-00001 | Research | 9/1/2019 | 8/31/2022 | AUG. 2019 | 021103 |
| \$309,801 | SEC-US SECURITIES & EXCHANGE COMMISSION | SEC OFFICE OF LITIGATION ECONOMICS FINANCIAL ECONOMIST | GAO, LEI | COLLEGE OF BUSINESS | FINANCE | 021138-00001 | Institutional Support | 8/19/2019 | 8/18/2020 | AUG. 2019 | 021138 |
| \$308,736 | USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS) | DELIVERY OF THE EMERGING AND EXOTIC DISEASES OF ANIMALS COURSE FOR INITIAL ACCREDITATION TRAINING | ROTH, JAMES ALLEN | COLLEGE OF VETERINARY MEDICINE | CTR FOR FOOD SECURITY & PUBLIC HEALTH | 021259-00001 | Public Service | 9/1/2019 | 8/31/2020 | AUG. 2019 | 021259 |
| \$300,000 | USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA) | IOWA STATE UNIVERSITY INTEGRATED PEST MANAGEMENT EXTENSION IMPLEMENTATION PROGRAM, 2018-2020 | MUELLER, DAREN SHANE | UNIVERSITY & COOPERATIVE EXTENSION | PLANT PATHOLOGY | 018038-00001 | Public Service | 9/1/2017 | 8/31/2020 | AUG. 2019 | 4163030 |
| \$300,000 | NSF-NATIONAL SCIENCE FOUNDATION | CNH2-L: SUSTAINABLE FIELD-TO-MARKET SUPPLY CHAINS ENABLED BY BLOCKCHAIN NETWORKS | MBA-WRIGHT, MARK | VP FOR RESEARCH | BIOECONOMY INSTITUTE | 021118-00001 | Research | 8/15/2019 | 1/31/2022 | AUG. 2019 | 021118 |

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| \$300,000 | NATIONAL ACADEMIES | EVALUATING THE PERFORMANCE OF RIGHT-TURN-ON-RED OPERATION AT SIGNALIZED INTERSECTIONS (WITH SINGLE AND DUAL RIGHT TURN LANES) | DAY, CHRISTOPHER | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 021217-00001 | Research | 8/13/2019 | 8/12/2021 | AUG. 2019 | 021217 |
| \$299,031 | USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA) | DEVELOPING BEST MANAGEMENT PRACTICES FOR THE WINTER RYE COVER CROP-CORN PRODUCTION SYSTEM | ROBERTSON, ALISON E | UNIVERSITY & COOPERATIVE EXTENSION | PLANT PATHOLOGY | 021155-00001 | Research | 8/1/2019 | 7/31/2022 | AUG. 2019 | 021155 |
| \$297,498 | 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 | AUG. 2019 | 4207175 |
| \$293,118 | NSF-NATIONAL SCIENCE FOUNDATION | CATALYZING STUDENT SUCCESS: IMPLEMENTING CYBERLEARNING TOOLS IN LARGE INTRODUCTORY COURSES IN THE CHEMICAL ENGINEERING PATHWAY | NADOLNY, LARYSA N | COLLEGE OF HUMAN SCIENCES | CTR FOR TECHNOLOGY IN LEARNING/TEACHING | 021190-00001 | Research | 1/1/2020 | 12/31/2022 | AUG. 2019 | 021190 |
| \$288,000 | IOWA DEPARTMENT OF AGRICULTURE & LAND STEWARDSHIP | MIDWEST GRAPE AND WINE INDUSTRY INSTITUTE, FY 2020 | MACDONALD, RUTH SEAMAN | UNIVERSITY & COOPERATIVE EXTENSION | FOOD SCIENCE & HUMAN NUTRITION | 021193-00001 | Public Service | 7/1/2019 | 6/30/2020 | AUG. 2019 | 021193 |
| \$287,537 | ED-US DEPARTMENT OF | ISU TRIO UPWARD BOUND | AGYEMAN, JANE ONWONA | VICE PRESIDENT | UPWARD BOUND | 017323-00001 | Instruction | 9/1/2017 | 8/31/2020 | AUG. 2019 | 4321414 |

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| | EDUCATION | | | FOR STUDENT AFFAIRS | | | | | | | |
| \$252,958 | ED-OFFICE OF POSTSECONDARY EDUCATION (OPE) | RONALD E. MCNAIR POSTBACCALAUREATE ACHIEVEMENT PROGRAM | HARDING, THELMA L | SR VP AND PROVOST | GRADUATE COLLEGE | 018012-00001 | Scholarships & Fellowships | 10/1/2017 | 9/30/2020 | AUG. 2019 | 4321801 |
| \$250,000 | IOWA ECONOMIC DEVELOPMENT AUTHORITY | MIDWEST GRAPE AND WINE INDUSTRY INSTITUTE, FY 2020 | MACDONALD, RUTH SEAMAN | UNIVERSITY & COOPERATIVE EXTENSION | FOOD SCIENCE & HUMAN NUTRITION | 021285-00001 | Public Service | 7/1/2019 | 6/30/2021 | AUG. 2019 | 021285 |
| \$249,054 | ED-US DEPARTMENT OF EDUCATION | CCAMPIS: CHILD CARE ACCESS MEANS PARENTS IN SCHOOL | GRADEN, JULIA ANN | PRESIDENT | UNIVERSITY HUMAN RESOURCES | 019040-00001 | Instruction | 10/1/2018 | 9/30/2020 | AUG. 2019 | 4321901 |
| \$230,686 | SEC-US SECURITIES & EXCHANGE COMMISSION | IPA ASSIGNMENT: SEC DIVISION OF ECONOMIC AND RISK ANALYSIS FINANCIAL ECONOMIST | WANG, LI | COLLEGE OF LIBERAL ARTS & SCIENCES | STATISTICS | 021124-00001 | Public Service | 9/1/2019 | 8/31/2020 | AUG. 2019 | 021124 |
| \$224,570 | NSF-NATIONAL SCIENCE FOUNDATION | COLLABORATIVE RESEARCH: CORRELATING MOLECULAR STRUCTURE AND ACTIVITY IN BORON-CONTAINING ODH CATALYSTS | ROSSINI, AARON JAMES | COLLEGE OF LIBERAL ARTS & SCIENCES | CHEMISTRY | 021224-00001 | Research | 9/1/2019 | 8/31/2022 | AUG. 2019 | 021224 |
| \$222,572 | NSF-NATIONAL SCIENCE FOUNDATION | THE MOLECULAR MECHANISMS OF THE MRE11/RAD50 DNA REPAIR COMPLEX | NELSON, SCOTT W | AG EXPERIMENT STATION | BIOCHEMISTRY & BIOPHYSICS | 017543-00001 | Research | 8/1/2017 | 7/31/2020 | AUG. 2019 | 4204128 |
| \$220,735 | NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS) | YOUNG SCIENTISTS AND AMBITIOUS TEACHERS IMPROVING HEALTH IN AN URBAN ECOSYSTEM | BRUNA, KATHERINE R | COLLEGE OF HUMAN SCIENCES | SCHOOL OF EDUCATION | 014323-00001 | Research | 8/12/2015 | 6/30/2020 | AUG. 2019 | 4302805 |
| \$215,000 | USDA- | DESIGN, | YU, CINDY | COLLEGE OF | CTR FOR SURVEY | 020829-00001 | Research | 6/1/2019 | 12/31/2021 | AUG. | 4192109 |

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| | AGRICULTURAL RESEARCH SERVICES (ARS) | IMPLEMENTATION, INTEGRATION AND ANALYSIS FOR THE BLM LANDSCAPE MONITORING FRAMEWORK | LONG | LIBERAL ARTS & SCIENCES | STATISTICS & METHODOLOGY | | | | | 2019 | |
| \$212,877 | MINNESOTA DEPARTMENT OF TRANSPORTATION | ENVIRONMENTAL FIELD EVALUATION OF POTASSIUM ACETATE | REHMANN, CHRIS ROBERT | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 021161-00001 | Research | 8/7/2019 | 6/30/2022 | AUG. 2019 | 021161 |
| \$211,915 | SOUTH DAKOTA GAME FISH AND PARKS | EVALUATING POTENTIAL INTERACTIONS AMONG NATIVE WALLEYE AND SAUGER AND INTRODUCED SMALLMOUTH BASS IN SOUTH DAKOTA | WEBER, MICHAEL JOHN | AG EXPERIMENT STATION | NATURAL RESOURCE ECOLOGY & MGMT | 020962-00001 | Research | 7/1/2019 | 6/30/2022 | AUG. 2019 | 020962 |
| \$197,339 | MINNESOTA DEPARTMENT OF TRANSPORTATION | EFFECTIVENESS OF GEOTEXTILES/ GEOGRIDS IN ROADWAY CONSTRUCTION | ZHENG, JUNXING | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 021241-00001 | Research | 8/21/2019 | 7/31/2021 | AUG. 2019 | 021241 |
| \$185,511 | PENNSYLVANIA STATE UNIVERSITY | DISCOVERY OF MULTIMODAL BIOMARKERS FOR PARKINSONIAN SYNDROMES, THEIR PROGRESSION, AND PATHOLOGICAL RELEVANCE | KANTHASAMY, ANUMANTHA G | VP FOR RESEARCH | ICAN (IA CTR FOR ADV NEUROTOX) | 021163-00001 | Research | 6/1/2019 | 5/31/2020 | AUG. 2019 | 021163 |
| \$176,309 | NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS) | CO-CULTURE OF PROBIOTIC BACTERIA FOR GROWTH FACTOR DELIVERY IN MINIGUT ORGANIDS | MANSELL, THOMAS JOSEPH | COLLEGE OF ENGINEERING | CHEMICAL & BIOLOGICAL ENGR | 019635-00001 | Research | 9/20/2018 | 7/31/2020 | AUG. 2019 | 4302001 |

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| \$166,555 | USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS) | IMPLEMENTATION SUPPORT FOR THE U.S. REGULATORY FRAMEWORK FOR SEED HEALTH | MUNKVOLD, GARY PHILLIP | AG EXPERIMENT STATION | PLANT PATHOLOGY | 021260-00001 | Research | 9/1/2019 | 8/31/2020 | AUG. 2019 | 021260 |
| \$157,797 | NSF-NATIONAL SCIENCE FOUNDATION | CATALYSIS FOR SUSTAINABLE ALUMINUM-CARBON BOND FORMATION | SADOW, AARON DAVID | COLLEGE OF LIBERAL ARTS & SCIENCES | CENTER FOR CATALYSIS | 021175-00001 | Research | 8/15/2019 | 7/31/2022 | AUG. 2019 | 021175 |
| \$155,750 | VARIOUS ISUF DONORS-INDUSTRY/ CORPORATE | IOWA STATE UNIVERSITY FOUNDATION DONATIONS | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021060-00001 | Research | 6/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$154,951 | NSF-NATIONAL SCIENCE FOUNDATION | MULTISCALE COMPUTATIONAL AND EXPERIMENTAL ANALYSIS OF DEFORMATION MECHANISMS IN AMORPHOUS-CRYSTALLINE METALLIC MATERIALS WITH MICROSTRUCTURE COMPLEXITY | XIONG, LIMING | COLLEGE OF ENGINEERING | AEROSPACE ENGINEERING | 019044-00001 | Research | 9/1/2018 | 8/31/2021 | AUG. 2019 | 4207006 |
| \$148,023 | UNITED TECHNOLOGIES RESEARCH CENTER | SCOTTIE - SYSTEMATIC COMMUNICATION OBJECTIVES AND TELEPORTATION TECHNOLOGY INVESTIGATIONS AND EVALUATION | OLIVER, JAMES H | VP FOR RESEARCH | VIRTUAL REALITY APPLICATIONS CENTER | 021204-00001 | Research | 6/14/2019 | 6/12/2020 | AUG. 2019 | 021204 |
| \$142,982 | IOWA DEPARTMENT OF TRANSPORTATION | WORK PLAN FOR THE BRIDGE CENTER AND BRIDGE ENGINEER PROGRAM FY2020 | HALLMARK, SHAUNA L | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 021286-00001 | Research | 7/1/2019 | 6/30/2020 | AUG. 2019 | 021286 |
| \$140,000 | IOWA CONCRETE | PROGRAM | TAYLOR, PETER | VP FOR | INST FOR | 021142-00001 | Research | 7/1/2019 | 6/30/2022 | AUG. | 021142 |

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| | PAVING ASSOCIATION | MANAGEMENT FOR THE NATIONAL CONCRETE PAVEMENT TECHNOLOGY CENTER | C | RESEARCH | TRANSPORTATION (INTRANS) | | | | | 2019 | |
| \$138,710 | UNIVERSITY OF TENNESSEE | NUCLEAR COMPUTATIONAL LOW ENERGY INITIATIVE (NUCLEI) | VARY, JAMES P | COLLEGE OF LIBERAL ARTS & SCIENCES | PHYSICS & ASTRONOMY | 018054-00001 | Research | 9/1/2017 | 8/31/2020 | AUG. 2019 | 4046154 |
| \$138,000 | DOC-ECONOMIC DEVELOPMENT ADMINISTRATION (EDA) | IWIN | COX, RONALD ARTHUR | COLLEGE OF ENGINEERING | CENTER FOR INDUSTRIAL RESEARCH & SERVICE | 019755-00001 | Public Service | 10/1/2018 | 9/30/2023 | AUG. 2019 | 4263595 |
| \$131,140 | IOWA DEPARTMENT OF TRANSPORTATION | EVALUATION OF PERFORMANCE OF A709 GRADE QST 65 STEEL | DAHLBERG, JUSTIN MICHAEL | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 021250-00001 | Research | 7/15/2019 | 3/31/2022 | AUG. 2019 | 021250 |
| \$130,769 | PHYTOBIOTICS FEED ADDITIVE GMBH | EFFECTS OF SANGUINARINE (SANGROVIT, PHYTOBIOTICS) SUPPLEMENTATION ON GROWTH, FEED CONVERSION EFFICIENCY, GUT MORPHOLOGY, AND RESIDUE CONCENTRATIONS IN TISSUES IN YOUNG CALVES | JAYASOORIYA-ARACHCHIGE, R | AG EXPERIMENT STATION | ANIMAL SCIENCE | 021165-00001 | Research | 6/15/2019 | 7/31/2020 | AUG. 2019 | 021165 |
| \$130,000 | HHS-FOOD & DRUG ADMINISTRATION (FDA) | ANTIMICROBIAL RESISTANCE IN ENTERIC BACTERIA FROM RETAIL MEAT IN IOWA: A NARMS RETAIL FOOD SURVEILLANCE | SAHIN, ORHAN | COLLEGE OF VETERINARY MEDICINE | VET DIAGNOSTIC & PRODUCTION ANIMAL MED | 016455-00001 | Research | 9/1/2016 | 8/31/2020 | AUG. 2019 | 4302355 |

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| | | PROJECT | | | | | | | | | |
| \$125,000 | NSF-NATIONAL SCIENCE FOUNDATION | COLLABORATIVE RESEARCH: FLAG ALGEBRA METHODS | LIDICKY, BERNARD | COLLEGE OF LIBERAL ARTS & SCIENCES | MATHEMATICS | 021112-00001 | Research | 8/1/2019 | 7/31/2022 | AUG. 2019 | 021112 |
| \$124,999 | NSF-NATIONAL SCIENCE FOUNDATION | STATISTICAL MODELING AND INFERENCE FOR NEXT-GENERATION FUNCTIONAL DATA | WANG, LI | COLLEGE OF LIBERAL ARTS & SCIENCES | STATISTICS | 021194-00001 | Research | 8/1/2019 | 7/31/2022 | AUG. 2019 | 021194 |
| \$124,242 | NIH-INSTITUTE ON AGING (NIA) | SIBLING RELATIONS IN THE CONTEXT OF DEMENTIA PARENTAL CARE: IMPLICATIONS FOR HEALTH AND WELL-BEING | GILLIGAN, MEGAN | COLLEGE OF HUMAN SCIENCES | HUMAN DEVELOPMENT & FAMILY STUDIES | 021099-00001 | Research | 8/1/2019 | 5/30/2020 | AUG. 2019 | 021099 |
| \$120,280 | NIH-INSTITUTE ON AGING (NIA) | BIODEMOGRAPHY AND SENESCENCE IN LONG-LIVED PAINTED TURTLES | BRONIKOWSKI, ANNE MARIE | COLLEGE OF LIBERAL ARTS & SCIENCES | ECOLOGY, EVOLUTION & ORG BIOLOGY | 013918-00001 | Research | 5/15/2015 | 4/30/2020 | AUG. 2019 | 4302124 |
| \$118,572 | PURDUE UNIVERSITY | THE NUTRINET KNOWLEDGEBASE FOR SYNTHESIS OF NORTH AMERICAN TILE DRAINAGE RESEARCH | ABENDROTH, LORI | AG EXPERIMENT STATION | AG & BIOSYSTEMS ENGINEERING | 021248-00001 | Research | 5/1/2019 | 4/30/2023 | AUG. 2019 | 021248 |
| \$117,000 | HUMAN FRONTIER SCIENCE PROGRAM | ENHANCING MITOCHONDRIAL DNA FIDELITY TO IMPROVE MAMMALIAN LIFESPAN AND HEALTHSPAN | LAVROV, DENNIS V | COLLEGE OF LIBERAL ARTS & SCIENCES | ECOLOGY, EVOLUTION & ORG BIOLOGY | 021243-00001 | Research | 9/1/2019 | 8/31/2020 | AUG. 2019 | 021243 |
| \$116,280 | UNIVERSITY OF MINNESOTA TWIN CITIES | REAL-TIME FEEDBACK TO IMPROVE COLONOSCOPY | TAVANAPONG, WALLAPAK | COLLEGE OF LIBERAL ARTS & SCIENCES | COMPUTER SCIENCE | 018002-00001 | Research | 6/15/2017 | 5/31/2020 | AUG. 2019 | 4046153 |
| \$114,422 | NSF-NATIONAL SCIENCE | CAREER: THEORETICAL | ROZIER, KRISTIN- | COLLEGE OF ENGINEERING | AEROSPACE ENGINEERING | 016353-00001 | Research | 8/16/2016 | 1/31/2021 | AUG. 2019 | 4207243 |

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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 |
|--------------|---|--|---------------------------|------------------------------------|------------------------------------|--------------|---------------|------------|------------|---------------------|---------|
| | FOUNDATION | FOUNDATIONS OF THE UAS IN THE NAS PROBLEM | YVONNE | | | | | | | | |
| \$110,000 | AMERICAN CHEMICAL SOCIETY PETROLEUM RESEARCH FUND | FILM FORMATION OF POLYMERIC JANUS DUMBBELL PARTICLES THROUGH SUPRACOLLOIDAL ASSEMBLY | JIANG, SHAN | COLLEGE OF ENGINEERING | MATERIALS SCIENCE & ENGINEERING | 021120-00001 | Research | 9/1/2019 | 8/31/2021 | AUG. 2019 | 021120 |
| \$109,001 | UNIVERSITY OF CALIFORNIA DAVIS | THE GENETICS OF HIGHLAND ADAPTATION IN MAIZE | HUFFORD, MATTHEW | COLLEGE OF LIBERAL ARTS & SCIENCES | ECOLOGY, EVOLUTION & ORG BIOLOGY | 015549-00001 | Research | 8/15/2016 | 8/14/2020 | AUG. 2019 | 4046133 |
| \$96,000 | NSF-NATIONAL SCIENCE FOUNDATION | ROADMAP FOR THE ELECTRIFICATION OF ORGANIC TRANSFORMATIONS | TESSONNIER, JEAN-PHILIPPE | COLLEGE OF ENGINEERING | CTR FOR BIORENEWABLE CHEMICALS | 021229-00001 | Research | 9/1/2019 | 8/31/2020 | AUG. 2019 | 021229 |
| \$93,725 | UNIVERSITY OF TEXAS AUSTIN | BIOMECHANICAL INDICATORS OF BICUSPID AORTIC VALVE DYSFUNCTION | HSU, MING-CHEN | COLLEGE OF ENGINEERING | MECHANICAL ENGINEERING | 019304-00001 | Research | 6/1/2018 | 5/31/2020 | AUG. 2019 | 4046210 |
| \$93,692 | IOWA DEPARTMENT OF MANAGEMENT | IMPROVING IOWA'S EARLY CHILDHOOD SYSTEM: PDG B-5 GRANT | ROUSE, HEATHER L | COLLEGE OF HUMAN SCIENCES | HUMAN DEVELOPMENT & FAMILY STUDIES | 020111-00001 | Research | 12/31/2018 | 12/30/2019 | AUG. 2019 | 4782830 |
| \$92,989 | NSF-NATIONAL SCIENCE FOUNDATION | PRECISION RR LYRAE DISTANCES FOR A POPULATION II ROUTE TO THE DISTANCE SCALE | MARENGO, MASSIMO | COLLEGE OF LIBERAL ARTS & SCIENCES | PHYSICS & ASTRONOMY | 017735-00001 | Research | 9/1/2017 | 8/31/2020 | AUG. 2019 | 4200402 |
| \$88,496 | NSF-NATIONAL SCIENCE FOUNDATION | CRITICAL REGULARITY, SELECTION DYNAMICS, AND CONDENSATION IN NONLINEAR BALANCE LAWS | LIU, HAILIANG | COLLEGE OF LIBERAL ARTS & SCIENCES | MATHEMATICS | 019361-00001 | Research | 8/1/2018 | 7/31/2021 | AUG. 2019 | 4200431 |

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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 |
|--------------|--|--|-------------------------|------------------------------------|--|--------------|------------------|------------|-----------|---------------------|---------|
| \$85,115 | IOWA DEPARTMENT OF TRANSPORTATION | WORK PLAN FOR THE TRANSPORTATION MATERIALS ENGINEER FY2020 | HALLMARK, SHAUNA L | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 020778-00001 | Research | 7/1/2019 | 6/30/2020 | AUG. 2019 | 4747632 |
| \$84,083 | UNIVERSITY OF TEXAS AUSTIN | NOVEL SIMULATION TECHNOLOGIES FOR BHV LONG-TERM DURABILITY | HSU, MING-CHEN | COLLEGE OF ENGINEERING | MECHANICAL ENGINEERING | 015929-00001 | Research | 5/19/2016 | 4/30/2020 | AUG. 2019 | 4046054 |
| \$81,265 | BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC | SWINE VETERINARY INTERNSHIP PROGRAM | HOLTKAMP, DERALD J | COLLEGE OF VETERINARY MEDICINE | VET DIAGNOSTIC & PRODUCTION ANIMAL MED | 021106-00001 | Research | 5/1/2019 | 4/30/2022 | AUG. 2019 | |
| \$80,000 | 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 | AUG. 2019 | 4302155 |
| \$80,000 | IOWA DEPARTMENT OF TRANSPORTATION | DATA-DRIVEN IDENTIFICATION OF CANDIDATES FOR OPERATIONAL IMPROVEMENT | DAY, CHRISTOPHER | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 021128-00001 | Research | 7/1/2019 | 1/31/2021 | AUG. 2019 | 021128 |
| \$80,000 | NATIONAL PORK BOARD | SMALL-SCALE, IN-BARN CARCASS MANAGEMENT EXPLORATION | RAMIREZ, BRETT CARLOS | AG EXPERIMENT STATION | AG & BIOSYSTEMS ENGINEERING | 021156-00001 | Research | 8/15/2019 | 8/15/2020 | AUG. 2019 | |
| \$77,578 | VARIOUS ISUF DONORS-NONPROFIT | IOWA STATE UNIVERSITY FOUNDATION DONATIONS | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021064-00001 | Academic Support | 6/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$76,511 | NATIONAL PORK BOARD | IMPROVING ANIMAL HEALTH MANAGEMENT AND PRODUCTION EFFICIENCY THROUGH | PESCHEL, JOSHUA MICHAEL | COLLEGE OF ENGINEERING | AG & BIOSYSTEMS ENGINEERING | 021110-00001 | Research | 8/1/2019 | 8/1/2020 | AUG. 2019 | |

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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 |
|--------------|---|--|---------------------------|------------------------------------|-----------------------------------|--------------|----------------|------------|-----------|---------------------|---------|
| | | AUTOMATED VISUAL SENSING TO MONITOR GROW-FINISH PIGS | | | | | | | | | |
| \$75,710 | UNIVERSITY OF NORTHERN IOWA | REGIONAL STEM NETWORK MANAGEMENT, FY20 | HIGGINS, CHADWICK CHARLES | UNIVERSITY & COOPERATIVE EXTENSION | VP EXTENSION & OUTREACH | 021107-00001 | Public Service | 7/1/2019 | 5/31/2020 | AUG. 2019 | 021107 |
| \$75,116 | IOWA DEPARTMENT OF TRANSPORTATION | GUIDELINES ON USE OF TEMPORARY BARRIERS IN WORK ZONE | HALLMARK, SHAUNA L | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 021160-00001 | Research | 7/1/2019 | 2/28/2021 | AUG. 2019 | 021160 |
| \$75,000 | ANSYS | FAST TOPOLOGY OPTIMIZATION AND SHAPE STYLE TRANSFER USING MACHINE LEARNING | SARKAR, SOUMIK | COLLEGE OF ENGINEERING | MECHANICAL ENGINEERING | 021206-00001 | Research | 7/26/2019 | 5/15/2020 | AUG. 2019 | 021206 |
| \$73,496 | DOD-ARMY RESEARCH LABORATORY (ARL) | HIGH-FIDELITY PHYSICAL MODELING OF SPRAY-WALL INTERACTIONS FOR OPTIMIZED ENGINE PERFORMANCE USING MILITARY FUELS | KONG, SONG-CHARNG | VP FOR RESEARCH | BIOECONOMY INSTITUTE | 016123-00001 | Research | 9/1/2016 | 4/28/2020 | AUG. 2019 | 4211706 |
| \$72,808 | USDA-AGRICULTURAL RESEARCH SERVICES (ARS) | MAIZE PAN-GENOMIC TOOLS AND RESOURCES TO EXPLORE THE DIVERSITY OF MAIZE | HUFFORD, MATTHEW | COLLEGE OF LIBERAL ARTS & SCIENCES | ECOLOGY, EVOLUTION & ORG BIOLOGY | 019499-00001 | Research | 9/1/2018 | 8/31/2020 | AUG. 2019 | 4192108 |
| \$72,182 | BOSTON COLLEGE | INTERDISCIPLINARY APPROACHES TO TEACHING COMPUTATIONAL ENVIRONMENTAL SCIENCE | CADEMARTIRI, LUDOVICO | COLLEGE OF ENGINEERING | MATERIALS SCIENCE & ENGINEERING | 019679-00001 | Research | 9/1/2018 | 8/31/2020 | AUG. 2019 | 4046222 |
| \$70,000 | NATIONAL PORK BOARD | THE DEVELOPMENT OF VITAMIN AND | GREINER, LAURA LEE | AG EXPERIMENT | ANIMAL SCIENCE | 021123-00001 | Research | 8/1/2019 | 8/1/2020 | AUG. 2019 | |

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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 |
|--------------|---|--|---------------------------|------------------------------------|--|--------------|----------------|------------|------------|---------------------|---------|
| | | TRACE MINERAL RANGES FOR DIAGNOSTIC LAB REPORTING FROM CONVENTIONALLY RAISED SWINE | | STATION | | | | | | | |
| \$70,000 | NASA-NATIONAL AERONAUTICS & SPACE ADMINISTRATION | CENTER FOR NDE MEMBERSHIP | COLLINS, PETER CHANCELLOR | COLLEGE OF ENGINEERING | CENTER FOR NON-DESTRUCT EVALUATION | 021185-00001 | Research | 8/21/2019 | 8/20/2021 | AUG. 2019 | 021185 |
| \$69,792 | NATIONAL PORK BOARD | COMPARISON OF ANTIBIOTIC TREATMENT REGIMENS FOR NATURALLY OCCURRING, MULTI-ETIOLOGY DISEASE CHALLENGES IN COMMERCIAL WEAN-TO-FINISH SWINE FACILITIES | RADEMACHER, CHRISTOPHER J | COLLEGE OF VETERINARY MEDICINE | VET DIAGNOSTIC & PRODUCTION ANIMAL MED | 021109-00001 | Research | 10/1/2019 | 4/1/2020 | AUG. 2019 | |
| \$69,462 | IOWA DEPARTMENT OF PUBLIC HEALTH | SUBSTANCE USE AMONG IOWA FAMILIES: AN INTERGENERATIONAL MIXED METHOD APPROACH FOR INFORMING POLICY AND PRACTICE | DORIUS, CASSANDRA JO | COLLEGE OF HUMAN SCIENCES | HUMAN DEVELOPMENT & FAMILY STUDIES | 020064-00001 | Public Service | 10/15/2018 | 11/30/2019 | AUG. 2019 | 4782828 |
| \$65,025 | 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 | 7/31/2021 | AUG. 2019 | 4046138 |
| \$60,000 | KBR INC | CHARACTERIZATION OF CERAMICS FOR FUEL CELLS | MARTIN, STEVE WARTHEN | COLLEGE OF ENGINEERING | MATERIALS SCIENCE & ENGINEERING | 021240-00001 | Research | 7/31/2019 | 9/30/2019 | AUG. 2019 | 021240 |
| \$59,500 | NSF-NATIONAL | NSF INCLUDES DDLP: | YOUNG, | COLLEGE OF | MATHEMATICS | 017899-00001 | Research | 9/15/2017 | 8/31/2020 | AUG. | 4200405 |

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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 |
|--------------|--|---|---------------------------|------------------------------------|--|--------------|----------------------------|------------|------------|---------------------|---------|
| | SCIENCE FOUNDATION | BUILDING ON STRENGTHS - A DESIGN AND DEVELOPMENT LAUNCH PILOT TO BROADEN PARTICIPATION IN MATHEMATICS | MICHAEL | LIBERAL ARTS & SCIENCES | | | | | | 2019 | |
| \$58,000 | AMERICAN COUNCIL OF LEARNED SOCIETIES | RELIGION AND CLIMATE CHANGE IN BRAZIL: THE DELUGE AND THE DESERT | SMITH, AMY ERICA | COLLEGE OF LIBERAL ARTS & SCIENCES | POLITICAL SCIENCE | 021149-00001 | Scholarships & Fellowships | 8/1/2019 | 5/31/2020 | AUG. 2019 | 021149 |
| \$57,634 | NUCOR CORP | MILLIMETER WAVE ONLINE DETECTION OF ROLLED STEEL SURFACE OF ROLLED STEEL DEFECTS PHASE I: SYSTEM DESIGN | AL, QASEER MOHAMMAD TAYEB | COLLEGE OF ENGINEERING | ELECTRICAL ENGINEERING & COMPUTER ENGR | 021273-00001 | Research | 8/15/2019 | 10/31/2019 | AUG. 2019 | 021273 |
| \$55,950 | VARIOUS ISUF DONORS-INDUSTRY/ CORPORATE | IOWA STATE UNIVERSITY FOUNDATION DONATIONS | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021057-00001 | Scholarships & Fellowships | 6/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$55,000 | AMERICAN INSTITUTE OF CHEMICAL ENGINEERS | RAPID ADMINISTRATION: RENEWABLE BIOPRODUCTS | BROWN, ROBERT C | VP FOR RESEARCH | BIOECONOMY INSTITUTE | 017862-00001 | Research | 4/1/2017 | 12/31/2019 | AUG. 2019 | 4047737 |
| \$55,000 | NSF-NATIONAL SCIENCE FOUNDATION | PFI-TT: WIND PERFORMANCE-BASED RISK ASSESSMENT AND MITIGATION TOOL (WIND PB-RAM) | ALIPOUR, AZADEH | COLLEGE OF ENGINEERING | CIVIL, CONSTR & ENVIRONMENTAL ENGR | 019320-00001 | Research | 8/1/2018 | 1/31/2020 | AUG. 2019 | 4207015 |
| \$52,500 | WOODROW WILSON INTERNATIONAL CENTER FOR SCHOLARS | RELIGION AND CLIMATE CHANGE IN BRAZIL: THE DELUGE AND THE DESERT | SMITH, AMY ERICA | COLLEGE OF LIBERAL ARTS & SCIENCES | POLITICAL SCIENCE | 021129-00001 | Scholarships & Fellowships | 1/6/2020 | 5/22/2020 | AUG. 2019 | 021129 |

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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 |
|--------------|---|--|----------------------|------------------------------------|---|--------------|---------------|------------|-----------|---------------------|---------|
| \$51,993 | BATTELLE MEMORIAL INSTITUTE-PACIFIC NORTHWEST NATIONAL LABORATORY | IMPROVING THE REPRESENTATION OF URBAN DYNAMICS IN GCAM BY DEVELOPING AND INTEGRATING AN URBAN SPATIAL SPRAWL MODEL | ZHOU, YUYU | COLLEGE OF LIBERAL ARTS & SCIENCES | GEOLOGICAL & ATMOSPHERIC SCIENCES | 021181-00001 | Research | 8/5/2019 | 6/30/2020 | AUG. 2019 | 021181 |
| \$51,884 | NIH-NATIONAL INSTITUTE OF ALLERGY & INFECTIOUS DISEASES (NIAID) | DETERMINING THE ROLE OF INTERLEUKIN-17 IN THE IMMUNE RESPONSE TO RESPIRATORY SYNCYTIAL VIRUS INFECTION | MCGILL, JODI LYNN | COLLEGE OF VETERINARY MEDICINE | VETERINARY MICROBIOLOGY & PREV MEDICINE | 019804-00001 | Research | 1/1/2019 | 4/30/2020 | AUG. 2019 | 4302365 |
| \$50,000 | NATIONAL SPACE GRANT FOUNDATION | HIGH EFFICIENCY HEAT EXCHANGER TO ACHIEVE LOW POWER CO2 DEPOSITION | WARD, THOMAS | COLLEGE OF ENGINEERING | AEROSPACE ENGINEERING | 021100-00001 | Instruction | 8/1/2019 | 6/30/2020 | AUG. 2019 | 021100 |
| \$50,000 | BP TECHNOLOGY VENTURES INC | COMFRE MEMBERSHIP | FOX, RODNEY O | COLLEGE OF ENGINEERING | CTR FOR MULTIPHASE FLOW RES & EDUC | 021117-00001 | Research | 7/1/2019 | 6/30/2021 | AUG. 2019 | |
| \$50,000 | ABBVIE INC | COMFRE MEMBERSHIP - ABBVIE | SUBRAMANIAM, SHANKAR | COLLEGE OF ENGINEERING | CTR FOR MULTIPHASE FLOW RES & EDUC | 021272-00001 | Research | 10/1/2019 | 9/30/2020 | AUG. 2019 | |
| \$49,999 | NSF-NATIONAL SCIENCE FOUNDATION | SHF: SMALL: COLLABORATIVE RESEARCH: A PARALLEL GRAPH-BASED PARADIGM FOR HPC PARALLEL FILE SYSTEM CHECKERS | ZHENG, MAI | COLLEGE OF ENGINEERING | ELECTRICAL ENGINEERING & COMPUTER ENGR | 020950-00001 | Research | 7/15/2019 | 6/30/2022 | AUG. 2019 | 020950 |
| \$47,985 | UNIVERSITY OF WISCONSIN MADISON | PREPARING FUTURE FACULTY TO IMPROVE STEM EDUCATION: | POWELL-COFFMAN, JO A | AG EXPERIMENT STATION | GENETICS DEVELOPMENT & CELL BIOLOGY | 018352-00001 | Research | 9/1/2017 | 8/31/2020 | AUG. 2019 | 4044118 |

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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 |
|--------------|--|--|--------------------------|------------------------------------|--|--------------|----------------------------|------------|------------|---------------------|---------|
| | | BROADENING THE NATIONAL IMPACT OF THE CIRTL NETWORK | | | | | | | | | |
| \$47,760 | NSF-NATIONAL SCIENCE FOUNDATION | COLLABORATIVE RESEARCH: ZERO FORCING ON GRAPHS, COMPUTATION AND APPLICATIONS | YOUNG, MICHAEL | COLLEGE OF LIBERAL ARTS & SCIENCES | MATHEMATICS | 017614-00001 | Research | 7/15/2017 | 12/31/2020 | AUG. 2019 | 4207188 |
| \$45,797 | VARIOUS ISUF DONORS-NONPROFIT | IOWA STATE UNIVERSITY FOUNDATION DONATIONS | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021062-00001 | Scholarships & Fellowships | 6/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$45,600 | NASA-NATIONAL AERONAUTICS & SPACE ADMINISTRATION | IOWA SPACE GRANT CONSORTIUM PROPOSAL | GONZALEZ-TORRES, TOMAS L | COLLEGE OF ENGINEERING | AEROSPACE ENGINEERING | 015449-00001 | Research | 6/22/2016 | 6/21/2020 | AUG. 2019 | 4222019 |
| \$45,600 | BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC | INTERNSHIP WITH BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC | MORRIS, MAX D | COLLEGE OF LIBERAL ARTS & SCIENCES | STATISTICS | 021141-00001 | Research | 8/16/2019 | 8/15/2020 | AUG. 2019 | |
| \$43,000 | USDA-AGRICULTURAL RESEARCH SERVICES (ARS) | SUPPORT AND ENHANCEMENT OF CEAP DATABASES | KANE, KEVIN L | COLLEGE OF DESIGN | INSTITUTE FOR DESIGN RESEARCH & OUTREACH | 018576-00001 | Research | 10/1/2017 | 9/30/2019 | AUG. 2019 | 4192906 |
| \$43,000 | FISHER CONTROLS | SLM BUILDS WITH EXTENDED PARTICLE SIZE DISTRIBUTION - LARGE PARTICLE EFFECTS | NAPOLITANO, RALPH EDWARD | COLLEGE OF ENGINEERING | MATERIALS SCIENCE & ENGINEERING | 021189-00001 | Research | 7/1/2019 | 6/30/2020 | AUG. 2019 | 021189 |
| \$42,824 | IOWA DEPARTMENT OF TRANSPORTATION | WORK PLAN FOR THE PAVEMENT SYSTEMS RESEARCH ENGINEER FY2020 | HALLMARK, SHAUNA L | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 020797-00001 | Research | 7/1/2019 | 6/30/2020 | AUG. 2019 | 4747633 |
| \$42,464 | NASA-NATIONAL AERONAUTICS & SPACE | DISENTANGLING THE ROLES OF NIGHTTIME LIGHT AND | ZHOU, YUYU | COLLEGE OF LIBERAL ARTS & SCIENCES | GEOLOGICAL & ATMOSPHERIC SCIENCES | 021274-00001 | Scholarships & Fellowships | 9/1/2019 | 8/31/2020 | AUG. 2019 | 021274 |

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|--------------|---|--|---------------------------|------------------------------------|-------------------------------------|--------------|----------------------------|------------|------------|---------------------|---------|
| | ADMINISTRATION | TEMPERATURE IN INFLUENCING URBAN PHENOLOGY USING REMOTE SENSING DATA | | | | | | | | | |
| \$41,654 | UNIVERSITY OF MISSOURI COLUMBIA | PLURIPOTENT HUMAN STEM CELLS AS MODELS FOR NORMAL AND ABNORMAL TROPHOBLAST AT IMPLANTATION | TUTEJA, GEETU SINGH | COLLEGE OF LIBERAL ARTS & SCIENCES | GENETICS DEVELOPMENT & CELL BIOLOGY | 019936-00001 | Research | 9/25/2018 | 6/30/2020 | AUG. 2019 | 4046175 |
| \$40,896 | VARIOUS ISUF DONORS-NONPROFIT | IOWA STATE UNIVERSITY FOUNDATION DONATIONS | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021066-00001 | Institutional Support | 6/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$40,682 | NSF-NATIONAL SCIENCE FOUNDATION | TAILORED CARBON-SUPPORTED CATALYSTS FOR THE CONVERSION OF BIOMASS IN THE CONDENSED PHASE | TESSONNIER, JEAN-PHILIPPE | COLLEGE OF ENGINEERING | CTR FOR BIORENEWABLE CHEMICALS | 019043-00001 | Research | 9/1/2018 | 2/28/2022 | AUG. 2019 | 4207005 |
| \$40,000 | IOWA DEPARTMENT OF NATURAL RESOURCES | IOWA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT BASE FUNDING | KLAVER, ROBERT W | AG EXPERIMENT STATION | NATURAL RESOURCE ECOLOGY & MGMT | 007624-00001 | Research | 7/1/2006 | 6/30/2020 | AUG. 2019 | 4734050 |
| \$40,000 | NSF-NATIONAL SCIENCE FOUNDATION | SUSCHEM: CONTINUOUS FLOW LIGNIN DECONSTRUCTION IN SUPERCRITICAL SOLVENT MIXTURES AND CONVERSION TO RENEWABLE CHEMICALS | TESSONNIER, JEAN-PHILIPPE | COLLEGE OF ENGINEERING | CTR FOR BIORENEWABLE CHEMICALS | 017465-00001 | Research | 7/1/2017 | 12/31/2020 | AUG. 2019 | 4207292 |
| \$38,618 | NIH-NATIONAL INSTITUTE OF MENTAL HEALTH | IMPACT OF PUBERTAL MATURATION ON RISK FOR | SHIRTCLIFF, ELIZABETH | COLLEGE OF HUMAN SCIENCES | HUMAN DEVELOPMENT & FAMILY STUDIES | 021105-00001 | Scholarships & Fellowships | 7/16/2019 | 7/15/2020 | AUG. 2019 | 021105 |

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|--------------|---|--|------------------------|------------------------------------|--|--------------|----------------|------------|------------|---------------------|---------|
| | (NIMH) | INTERNALIZING AND AUTISTIC SYMPTOMS IN ADOLESCENTS | | | | | | | | | |
| \$38,401 | USDA-AGRICULTURAL RESEARCH SERVICES (ARS) | ACQUISITION OF GOODS AND SERVICES 5850309044 | BEERMANN, DONALD H | AG EXPERIMENT STATION | ANIMAL SCIENCE | 021132-00001 | Public Service | 7/1/2019 | 6/30/2020 | AUG. 2019 | 021132 |
| \$38,250 | NSF-NATIONAL SCIENCE FOUNDATION | RAPID: ELITE INFLUENCE ON BELIEF IN WIND TURBINE SYNDROME: THE WIND OF CHANGE | PETERSON, DAVID | COLLEGE OF LIBERAL ARTS & SCIENCES | POLITICAL SCIENCE | 021153-00001 | Research | 9/1/2019 | 8/31/2020 | AUG. 2019 | 021153 |
| \$38,071 | CHR HANSEN | ZOOTECNICAL EFFICACY OF SKY MOUNTAIN EXP IN WEANED PIGLETS | PATIENCE, JOHN FRANCIS | AG EXPERIMENT STATION | ANIMAL SCIENCE | 021258-00001 | Research | 6/18/2019 | 9/23/2019 | AUG. 2019 | 021258 |
| \$35,000 | VERMEER CORPORATION | ONBOARD MONITORING OF SHAFT UNBALANCE AND BEARING HEALTH (PHASE 1) | HU, CHAO | COLLEGE OF ENGINEERING | MECHANICAL ENGINEERING | 021237-00001 | Research | 9/15/2019 | 3/14/2020 | AUG. 2019 | 021237 |
| \$34,800 | SCHNEIDER ELECTRIC USA INC | STATISTICAL RESEARCH EXPLORATORY DATA ANALYSIS WITH SCHNEIDER ELECTRIC | HOFMANN, HEIKE | VP FOR RESEARCH | CTR FOR STAT & APPL IN FORENSIC EVIDENCE | 019414-00001 | Research | 8/15/2018 | 5/15/2020 | AUG. 2019 | 4007774 |
| \$33,455 | NSF-NATIONAL SCIENCE FOUNDATION | LEAP HI GOALI: ENGINEERING CROPS FOR GENETIC ADAPTATION TO CHANGING ENVIRONMENTS | WANG, LIZHI | COLLEGE OF ENGINEERING | INDUSTRIAL & MANUFACTURING SYSTEMS ENGR | 019494-00001 | Research | 9/1/2018 | 2/29/2024 | AUG. 2019 | 4207026 |
| \$32,950 | RENEWABLE ENERGY GROUP | EVALUATION OF GLYCERINE BASED PRODUCES ON TURFGRASS GROWN | CHRISTIANS, NICK E | AG EXPERIMENT STATION | HORTICULTURE | 017919-00001 | Research | 4/28/2017 | 12/31/2020 | AUG. 2019 | 4004626 |

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| | | AND DEVELOPMENT | | | | | | | | | |
| \$31,165 | UNIVERSITY OF GEORGIA | PSYCHOSOCIAL CONTEXT AND THE BIOLOGICAL CLOCK: CHANGES IN WEATHERING DURING MIDDLE-AGE | CUTRONA-RUSSELL, CAROLYN | COLLEGE OF LIBERAL ARTS & SCIENCES | PSYCHOLOGY | 017457-00001 | Research | 4/1/2017 | 3/31/2020 | AUG. 2019 | 4046150 |
| \$30,000 | IOWA DEPARTMENT OF TRANSPORTATION | EVALUATION AND PREPARATION FOR FUTURE WORK ZONE SAFETY WORKSHOPS | KNAPP, KEITH K | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 021207-00001 | Research | 8/1/2019 | 7/31/2020 | AUG. 2019 | 021207 |
| \$29,999 | UNIVERSITY OF IOWA | EXTREME HEAT ADAPTATION STRATEGIES FOR BUILDINGS AND NEIGHBORHOODS IN THE UPPER MIDWEST USING NOVEL URBAN ENERGY MODELING TECHNIQUES | PASSE, ULRIKE | COLLEGE OF DESIGN | ARCHITECTURE | 021162-00001 | Research | 7/1/2019 | 11/30/2019 | AUG. 2019 | 021162 |
| \$29,700 | UNIVERSITY OF NORTHERN IOWA | STATEWIDE STEM MONITORING PROJECT | GEISINGER, BRANDI NICOLE | COLLEGE OF HUMAN SCIENCES | SCHOOL OF EDUCATION | 021246-00001 | Research | 6/1/2019 | 5/31/2020 | AUG. 2019 | 021246 |
| \$28,769 | FHI 360 | GLOBAL ONLINE EDUCATIONAL TECHNOLOGY COURSE UPDATES | HEGELHEIMER, VOLKER H | COLLEGE OF LIBERAL ARTS & SCIENCES | ENGLISH | 021139-00001 | Instruction | 8/9/2019 | 1/30/2020 | AUG. 2019 | 021139 |
| \$27,972 | NSF-NATIONAL SCIENCE FOUNDATION | COLLABORATIVE RESEARCH: A SYSTEMS APPROACH TOWARD UNDERSTANDING THE DIVERSIFICATION OF TROPANE AND GRANATANE ALKALOID BIOSYNTHESIS | STEWART, CHARLES E JR. | VP FOR RESEARCH | BIOTECHNOLOGY | 017548-00001 | Research | 8/15/2017 | 7/31/2020 | AUG. 2019 | 4201789 |

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| \$27,910 | UNIVERSITY OF TEXAS AUSTIN | OPTIMIZING THE OVERLAP OF PRODUCT DESIGN, FACILITY DESIGN AND CONSTRUCTION TO MAXIMIZE VALUE IN THE MANUFACTURING AND LIFE SCIENCES SECTOR | OKUDAN-KREMER, GUL ERDEM | COLLEGE OF ENGINEERING | INDUSTRIAL & MANUFACTURING SYSTEMS ENGR | 017446-00001 | Research | 5/1/2017 | 9/30/2019 | AUG. 2019 | 4006079 |
| \$27,082 | IOWA DEPARTMENT OF NATURAL RESOURCES | CREATING ACCESSIBLE, MODERN REFERENCES ON IOWA'S NATURAL RESOURCES | JANKE, ADAM K | UNIVERSITY & COOPERATIVE EXTENSION | NATURAL RESOURCE ECOLOGY & MGMT | 021131-00001 | Public Service | 7/10/2019 | 2/15/2021 | AUG. 2019 | 021131 |
| \$27,000 | MASSACHUSETTS INSTITUTE OF TECHNOLOGY-LINCOLN LABORATORY | RESEARCH ON WIDEBAND HARDWARE AND SIGNAL PROCESSING TECHNOLOGY | BOLSTAD, ANDREW K | COLLEGE OF ENGINEERING | ELECTRICAL ENGINEERING & COMPUTER ENGR | 019254-00001 | Research | 7/15/2018 | 9/30/2020 | AUG. 2019 | 4046208 |
| \$25,967 | SWINE HEALTH INFORMATION CENTER | EVALUATION OF A STAGED LOADING PROCEDURE FOR THE LOAD OUT OF MARKET PIGS TO PREVENT THE TRANSFER OF SWINE PATHOGEN CONTAMINATED PARTICLES FROM LIVESTOCK TRAILERS TO THE BARN | HOLTKAMP, DERALD J | COLLEGE OF VETERINARY MEDICINE | VET DIAGNOSTIC & PRODUCTION ANIMAL MED | 021101-00001 | Research | 7/1/2019 | 1/1/2020 | AUG. 2019 | |
| \$24,820 | CENTRO LATINO | POTTAWATTAMIE COUNTY LATINO COMMUNITY NEEDS ASSESSMENT | WOLSETH, JON | UNIVERSITY & COOPERATIVE EXTENSION | COMMUNITIES-EXTENSION | 021218-00001 | Public Service | 8/1/2019 | 12/31/2019 | AUG. 2019 | 021218 |
| \$24,363 | UNIVERSITY OF | INFLUENCE OF | SHIRTCLIFF, | COLLEGE OF | HUMAN | 014215-00001 | Research | 4/15/2015 | 6/30/2020 | AUG. | 4042836 |

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|--------------|---|--|--------------------------|------------------------------------|-------------------------------------|--------------|---------------|------------|------------|---------------------|---------|
| | PITTSBURGH | SOCIAL THREAT ON REWARD FUNCTION IN AT-RISK ADOLESCENT GIRLS | ELIZABETH | HUMAN SCIENCES | DEVELOPMENT & FAMILY STUDIES | | | | | 2019 | |
| \$22,000 | UNIVERSITY OF GEORGIA RESEARCH FOUNDATION | COUPLE RELATIONSHIP AND HEALTH DURING THE TRANSITION TO LATER ADULTHOOD | NEPPL, TRICIA K | COLLEGE OF HUMAN SCIENCES | HUMAN DEVELOPMENT & FAMILY STUDIES | 012917-00001 | Research | 9/30/2014 | 4/30/2020 | AUG. 2019 | 4042818 |
| \$21,842 | NIH-INSTITUTE ON AGING (NIA) | AUTONOMOUS AND NON-AUTONOMOUS REGULATION OF CARDIAC AGING | BAI, HUA | COLLEGE OF LIBERAL ARTS & SCIENCES | GENETICS DEVELOPMENT & CELL BIOLOGY | 020146-00001 | Research | 1/15/2019 | 11/30/2019 | AUG. 2019 | 4302153 |
| \$21,735 | BATTELLE MEMORIAL INSTITUTE-PACIFIC NORTHWEST NATIONAL LABORATORY | IMPROVING THE UNDERSTANDING OF CARBON CYCLING IN EARTH SYSTEM BY USING URBAN ECOSYSTEM AS LABORATORIES | ZHOU, YUYU | COLLEGE OF LIBERAL ARTS & SCIENCES | GEOLOGICAL & ATMOSPHERIC SCIENCES | 021230-00001 | Research | 8/16/2019 | 12/31/2019 | AUG. 2019 | 021230 |
| \$21,000 | INNO-PAK | BIO-BASED HYBRID POLYURETHANE-EPOXY ADHESIVES FOR THE FOOD PACKAGING INDUSTRY | CURTZWILER, GREG WILLIAM | AG EXPERIMENT STATION | FOOD SCIENCE & HUMAN NUTRITION | 021238-00001 | Research | 7/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$20,000 | BATTELLE MEMORIAL INSTITUTE-PACIFIC NORTHWEST NATIONAL LABORATORY | NUCLEAR ELECTRICAL CABLE TECHNIQUES FOR AGING REVELATION (NECTAR) DEVELOPMENT | BOWLER, NICOLA | COLLEGE OF ENGINEERING | MATERIALS SCIENCE & ENGINEERING | 020571-00001 | Research | 4/15/2019 | 3/31/2020 | AUG. 2019 | 4046236 |
| \$20,000 | NATIONAL PORK BOARD | MODELING INDOOR ENVIRONMENT AND SUPPLEMENTAL HEAT REQUIREMENTS DURING | RAMIREZ, BRETT CARLOS | AG EXPERIMENT STATION | AG & BIOSYSTEMS ENGINEERING | 021157-00001 | Research | 8/15/2019 | 8/15/2020 | AUG. 2019 | |

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|--------------|---|---|-------------------------|------------------------------------|--|--------------|---------------|------------|------------|---------------------|---------|
| | | VENTILATION SHUTDOWN AND HEAT INACTIVATION | | | | | | | | | |
| \$20,000 | US PORK CENTER OF EXCELLENCE | PORK INFORMATION GATEWAY-GRADUATE STIPEND AT THE SWINE MEDICINE EDUCATION CENTER | KARRIKER, LOCKE A | COLLEGE OF VETERINARY MEDICINE | VET DIAGNOSTIC & PRODUCTION ANIMAL MED | 021271-00001 | Research | 8/27/2019 | 6/30/2020 | AUG. 2019 | 021271 |
| \$20,000 | US PORK CENTER OF EXCELLENCE | PORK INFORMATION GATEWAY EDITOR AND CONTENT CREATOR/UPDATE PLAN FOR FACULTY MENTOR AND GRADUATE STUDENT | RAMIREZ, BRETT CARLOS | AG EXPERIMENT STATION | AG & BIOSYSTEMS ENGINEERING | 021288-00001 | Research | 8/29/2019 | 6/30/2020 | AUG. 2019 | 021288 |
| \$18,512 | PURDUE UNIVERSITY | MANAGING WATER FOR INCREASED RESILIENCY OF DRAINED AGRICULTURAL LANDSCAPES | HELMERS, MATTHEW JUSTIN | AG EXPERIMENT STATION | AG & BIOSYSTEMS ENGINEERING | 013581-00001 | Research | 3/1/2015 | 2/28/2020 | AUG. 2019 | 4104043 |
| \$17,867 | VITA PLUS CORPORATION | NURSERY TRIALS | PATIENCE, JOHN FRANCIS | AG EXPERIMENT STATION | ANIMAL SCIENCE | 011161-00001 | Research | 11/2/2012 | 2/28/2020 | AUG. 2019 | 4004013 |
| \$17,811 | RENEWABLE ENERGY GROUP | CHEMICAL SPECTROSCOPIC AND STRUCTURAL ANALYSES OF PYROLYTIC REACTOR RESIDUE | VELA-BECERRA, JAVIER | COLLEGE OF LIBERAL ARTS & SCIENCES | CHEMISTRY | 021213-00001 | Research | 8/5/2019 | 3/15/2020 | AUG. 2019 | 021213 |
| \$17,500 | GCIA (PTTGC INNOVATION AMERICA CORPORATION) | POLYMER AND FOOD PROTECTION CONSORTIUM 2019 MEMBERSHIP GC INNOVATION 2019 PFPC MEMBERSHIP | VORST, KEITH | AG EXPERIMENT STATION | FOOD SCIENCE & HUMAN NUTRITION | 021214-00001 | Research | 5/1/2019 | 4/30/2020 | AUG. 2019 | 021214 |
| \$17,424 | AFTER INC | STATISTICAL | MORRIS, MAX D | COLLEGE OF | STATISTICS | 021182-00001 | Research | 8/16/2019 | 12/31/2019 | AUG. | 021182 |

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|--------------|-----------------------------------|--|---------------------------|------------------------------------|--|--------------|----------------------------|------------|-----------|---------------------|---------|
| | | RESEARCH SERVICES WITH AFTER INC | | LIBERAL ARTS & SCIENCES | | | | | | 2019 | |
| \$17,000 | RECOMBINETICS INC | CHARACTERIZATION OF RG SEVERE COMBINED IMMUNO-DEFICIENT (SCID) PIG MODEL | TUGGLE, CHRISTOPHER KEITH | AG EXPERIMENT STATION | ANIMAL SCIENCE | 021200-00001 | Research | 8/7/2019 | 8/6/2020 | AUG. 2019 | 021200 |
| \$16,500 | FMC CORPORATION | NON-CONFIDENTIAL FIELD TRIAL | ROBERTSON, ALISON E | UNIVERSITY & COOPERATIVE EXTENSION | PLANT PATHOLOGY | 021279-00001 | Research | 6/1/2019 | 5/31/2020 | AUG. 2019 | 021279 |
| \$15,187 | FHI 360 | CONVERSION OF A FACILITATED EDUCATIONAL TECHNOLOGY MOOC TO A STANDALONE MOOC | HEGELHEIMER, VOLKER H | COLLEGE OF LIBERAL ARTS & SCIENCES | ENGLISH | 021140-00001 | Instruction | 8/9/2019 | 4/24/2020 | AUG. 2019 | 021140 |
| \$15,000 | CITY OF AMES IOWA | CITY OF AMES, EPRC | KIMBER, ANNE | COLLEGE OF ENGINEERING | ELECTRICAL ENGINEERING & COMPUTER ENGR | 008089-00001 | Research | 1/1/2002 | 6/30/2020 | AUG. 2019 | 4006053 |
| \$15,000 | NSF-NATIONAL SCIENCE FOUNDATION | PLANNING IUCRC IOWA STATE UNIVERSITY: CENTER FOR SOIL DYNAMICS TECHNOLOGIES | GOMES, CARMEN LUIZA | VP FOR RESEARCH | VIRTUAL REALITY APPLICATIONS CENTER | 021122-00001 | Research | 7/15/2019 | 6/30/2020 | AUG. 2019 | 021122 |
| \$15,000 | NSF-NATIONAL SCIENCE FOUNDATION | STUDENT PARTICIPATION GRANT FOR 2019 IEEE MIDWEST SYMPOSIUM ON CIRCUITS AND SYSTEMS (MWSCAS) | GEIGER, RANDALL L | COLLEGE OF ENGINEERING | ELECTRICAL ENGINEERING & COMPUTER ENGR | 021215-00001 | Scholarships & Fellowships | 8/15/2019 | 1/31/2020 | AUG. 2019 | 021215 |
| \$14,626 | IOWA DEPARTMENT OF TRANSPORTATION | LOW COST RURAL SURFACE ALTERNATIVES PHASE III | ASHLOCK, JERAMY CURTIS | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 017033-00001 | Research | 4/1/2017 | 6/30/2020 | AUG. 2019 | 4747988 |
| \$14,000 | GOWAN COMPANY | NON-CONFIDENTIAL | MUELLER, | UNIVERSITY | PLANT PATHOLOGY | 021276-00001 | Research | 6/1/2019 | 5/31/2020 | AUG. | 021276 |

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|--------------|--|---|------------------------|------------------------------------|-------------------------------------|--------------|----------------------------|------------|-----------|---------------------|---------|
| | LLC | FIELD TRIAL | DAREN SHANE | & COOPERATIVE EXTENSION | | | | | | 2019 | |
| \$13,963 | 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 | AUG. 2019 | 4044240 |
| \$10,371 | UNIVERSITY OF SEVILLE | COOPERATION AGREEMENT | BASSHAM, DIANE CLARE | COLLEGE OF LIBERAL ARTS & SCIENCES | GENETICS DEVELOPMENT & CELL BIOLOGY | 021146-00001 | Scholarships & Fellowships | 6/10/2019 | 6/14/2020 | AUG. 2019 | 021146 |
| \$10,200 | VARIOUS ISUF DONORS-INDUSTRY/ CORPORATE | IOWA STATE UNIVERSITY FOUNDATION DONATIONS | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021059-00001 | Academic Support | 6/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$10,000 | NSF-NATIONAL SCIENCE FOUNDATION | REU SITE: SUMMER PROGRAM FOR INTERDISCIPLINARY RESEARCH AND EDUCATION-EMERGING INTERFACE TECHNOLOGIES | GILBERT, STEPHEN | VP FOR RESEARCH | VIRTUAL REALITY APPLICATIONS CENTER | 018681-00001 | Research | 5/1/2018 | 4/30/2021 | AUG. 2019 | 4206522 |
| \$9,828 | AMERICAN COLLEGE OF VETERINARY INTERNAL MEDICINE | PROSPECTIVE, RANDOMIZED CLINICAL TRIAL COMPARING A NOVEL CONTINUOUS INSULIN INFUSION PROTOCOL TO STANDARD OF CARE TREATMENT FOR DIABETIC KETOACIDOSIS IN DOGS | ALLENSPACH-JORN, KARIN | COLLEGE OF VETERINARY MEDICINE | VET CLINICAL SCIENCES | 021158-00001 | Research | 7/1/2019 | 6/30/2020 | AUG. 2019 | 021158 |
| \$9,448 | BROOKHAVEN SCIENCE ASSOCIATES- | ATLAS HL-LHC UPGRADE STAVE CORE QC | COCHRAN, JAMES | COLLEGE OF LIBERAL ARTS & SCIENCES | PHYSICS & ASTRONOMY | 018315-00001 | Research | 12/15/2017 | 9/30/2020 | AUG. 2019 | 4046159 |

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| | BROOKHAVEN NATIONAL LABORATORY | | | | | | | | | | |
| \$8,400 | APC INC | FIELD TRIAL EVALUATION OF PEPTON ON CORN AND SOYBEAN | ROBERTSON, ALISON E | UNIVERSITY & COOPERATIVE EXTENSION | PLANT PATHOLOGY | 021145-00001 | Research | 5/1/2019 | 12/31/2019 | AUG. 2019 | |
| \$7,875 | IOWA DEPARTMENT OF TRANSPORTATION | LOW COST RURAL SURFACE ALTERNATIVES PHASE IV: FROST DEPTH MONITORING AND PREDICTION | ASHLOCK, JERAMY CURTIS | VP FOR RESEARCH | INST FOR TRANSPORTATION (INTRANS) | 017111-00001 | Research | 4/15/2017 | 6/30/2020 | AUG. 2019 | 4747991 |
| \$5,615 | NSF-NATIONAL SCIENCE FOUNDATION | INTERACTIONS OF MULTIPLE PHASE TRANSFORMATIONS AND DISLOCATIONS: MODELING AND SIMULATION FROM ATOMISTIC TO MICROSCALE | XIONG, LIMING | COLLEGE OF ENGINEERING | AEROSPACE ENGINEERING | 014233-00001 | Research | 9/1/2015 | 12/31/2019 | AUG. 2019 | 4202052 |
| \$5,600 | ARYSTA LIFESCIENCE CORPORATION | NON-CONFIDENTIAL FIELD TRIAL | MUELLER, DAREN SHANE | UNIVERSITY & COOPERATIVE EXTENSION | PLANT PATHOLOGY | 021278-00001 | Research | 6/1/2019 | 5/31/2020 | AUG. 2019 | 021278 |
| \$5,000 | UNIVERSITY OF NEBRASKA LINCOLN | BDSPOKES: SPOKE: MIDWEST: DIGITAL AGRICULTURE - UNMANNED AIRCRAFT SYSTEMS (UAS), PLANT SCIENCES, AND EDUCATION | PESCHEL, JOSHUA MICHAEL | COLLEGE OF ENGINEERING | AG & BIOSYSTEMS ENGINEERING | 021144-00001 | Research | 5/1/2019 | 8/31/2019 | AUG. 2019 | 021144 |
| \$5,000 | IOWA ACADEMY OF SCIENCE | HOW PHYSIOLOGY TRANSLATES TO MALE REPRODUCTIVE SUCCESS IN A MODEL ECTOTHERMIC | BRONIKOWSKI, ANNE MARIE | COLLEGE OF LIBERAL ARTS & SCIENCES | ECOLOGY, EVOLUTION & ORG BIOLOGY | 021247-00001 | Research | 7/1/2019 | 6/30/2020 | AUG. 2019 | 021247 |

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| | | VERTEBRATE | | | | | | | | | |
| \$4,000 | BAYER FUND | STATE SCIENCE AND TECHNOLOGY FAIR OF IOWA | STAKER, JAY WILLIAM | UNIVERSITY & COOPERATIVE EXTENSION | EXTENSION TO YOUTH & 4H | 021143-00001 | Public Service | 6/1/2019 | 5/31/2020 | AUG. 2019 | 021143 |
| \$4,000 | PRECISION LABORATORIES INC | BASEBALL INFIELD WETTING AGENT APPLICATION TESTING | THOMS, ADAM WILLIAM | AG EXPERIMENT STATION | HORTICULTURE | 021242-00001 | Research | 8/19/2019 | 8/18/2020 | AUG. 2019 | |
| \$3,584 | IOWA COMMISSION ON VOLUNTEER SERVICE (IOWA ECONOMIC DEVELOPMENT AUTHORITY) | NATIONAL SERVICE CRIMINAL HISTORY CHECK (NSCHC) SURGE FUNDING FOR AMERICORPS FY18-19 | STAKER, JAY WILLIAM | UNIVERSITY & COOPERATIVE EXTENSION | EXTENSION TO YOUTH & 4H | 021108-00001 | Public Service | 1/30/2019 | 6/30/2019 | AUG. 2019 | 021108 |
| \$2,340 | VARIOUS ISUF DONORS-INDIVIDUAL | IOWA STATE UNIVERSITY FOUNDATION DONATIONS | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021055-00001 | Research | 6/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$1,000 | USDA-AGRICULTURAL RESEARCH SERVICES (ARS) | PLANT EXPLORATION IN FLORIDA FOR WILD RELATIVES OF AMARANTH, MILLETS, BEDDING PLANTS, CORN AND QUINOA | MAREK, LAURA FREDRICK | AG EXPERIMENT STATION | AGRONOMY | 017661-00001 | Research | 7/1/2017 | 9/30/2019 | AUG. 2019 | 4194038 |
| \$500 | VARIOUS ISUF DONORS-NONPROFIT | IOWA STATE UNIVERSITY FOUNDATION DONATIONS | WINTERSTEEN, WENDY | PRESIDENT | PRESIDENT | 021063-00001 | Operations & Maintenance | 6/1/2019 | 5/31/2020 | AUG. 2019 | |
| \$500 | RAMACO CARBON | CMI AFFILIATE PROGRAM MEMBERSHIP | HAASE, MARK CHRISTOPHER | AMES LABORATORY | AMES LABORATORY | 021126-00001 | Research | 7/1/2019 | 6/30/2020 | AUG. 2019 | |
| \$500 | CRITICAL MATERIALS CORPORATION | CMI AFFILIATE PROGRAM MEMBERSHIP | HAASE, MARK CHRISTOPHER | AMES LABORATORY | AMES LABORATORY | 021147-00001 | Research | 7/19/2019 | 12/31/2020 | AUG. 2019 | |