

Calendar Year: 2016  
Month: Aug

Award Count: 138  
Award Total: \$39,835,760

| Award Amount | Sponsor  | Award Title  | PI                     | Lead Org Unit                      | Lead Org Dept                         | Award Number | Activity Type            | Start Date | End Date   | Award Register Date | Account |
|--------------|--|--|------------------------|------------------------------------|---------------------------------------|--------------|--------------------------|------------|------------|---------------------|---------|
| \$11,005,334 | DOE-US DEPARTMENT OF ENERGY                          | OPERATING AND MANAGEMENT SUPPORT FOR THE AMES LABORATORY   | SCHWARTZ, ADAM         | AMES LABORATORY                    | AMES LABORATORY                       | 004881-00001 | Research                 | 1/1/1981   | 12/31/2016 | AUG. 2016           | 4012501 |
| \$2,099,234  | DOE-US DEPARTMENT OF ENERGY                          | A HIERARCHICAL EVALUATION FRAMEWORK FOR ASSESSING CLIMATE SIMULATIONS RELEVANT TO THE ENERGY-WATER-LAND NEXUS    | GUTOWSKI, WILLIAM J    | COLLEGE OF LIBERAL ARTS & SCIENCES | GEOLOGICAL & ATMOSPHERIC SCIENCES     | 016072-00001 | Research                 | 9/1/2016   | 2/28/2018  | AUG. 2016           | 4012137 |
| \$1,674,854  | USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA) | HATCH CAPACITY FUNDS   | WINTERSTEEN, WENDY     | AG EXPERIMENT STATION              | AES ADMIN CONTROL                     | 013243-00001 | Research                 | 10/1/2014  | 9/30/2017  | AUG. 2016           |         |
| \$1,457,791  | VARIOUS ISUF DONORS-INDIVIDUAL                       | IOWA STATE UNIVERSITY DONATIONS  | LEATH, STEVEN          | PRESIDENT                          | PRESIDENT                             | 015915-00001 | Institutional Support    | 6/1/2016   | 5/31/2017  | AUG. 2016           |         |
| \$1,066,167  | NSF-NATIONAL SCIENCE FOUNDATION                      | ORPHAN GENES: AN UNTAPPED GENETIC RESERVOIR OF NOVEL TRAITS DRIVING EVOLUTIONARY ADAPTATION AND CROP IMPROVEMENT | WURTELE, EVE SYRKIN    | COLLEGE OF LIBERAL ARTS & SCIENCES | GENETICS DEVELOPMENT & CELL BIOLOGY   | 016000-00001 | Research                 | 8/1/2016   | 7/31/2020  | AUG. 2016           | 4207161 |
| \$1,050,000  | IOWA BOARD OF REGENTS                                | REGENTS INNOVATION FUND APPROPRIATION  | JOHANSEN, KRISTINE ANN | PRESIDENT                          | ECONOMIC DVLPMNT & INDUSTRY RELATIONS | 015967-00001 | Research                 | 7/1/2016   | 6/30/2018  | AUG. 2016           | 4751905 |
| \$1,008,660  | NSF-NATIONAL SCIENCE FOUNDATION                      | TEC-STEM PARTNERSHIPS: TEACHERS & ENGINEERS COLLABORATE FOR STEM IN K-5  | OLSON, JOANNE K        | COLLEGE OF HUMAN SCIENCES          | SCHOOL OF EDUCATION                   | 012407-00001 | Research                 | 10/1/2014  | 9/30/2019  | AUG. 2016           | 4202806 |
| \$903,465    | VARIOUS ISUF DONORS-INDIVIDUAL                       | IOWA STATE UNIVERSITY DONATIONS  | LEATH, STEVEN          | PRESIDENT                          | PRESIDENT                             | 015911-00001 | Operations & Maintenance | 6/1/2016   | 5/31/2017  | AUG. 2016           |         |

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| \$710,953    | ED-US DEPARTMENT OF EDUCATION                         | SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (SEOG)   | JOHNSON, ROBERTA L        | VICE PRESIDENT FOR STUDENT AFFAIRS | STUDENT FINANCIAL AID                 | 015578-00001 | Student Financial Aid | 7/1/2016   | 6/30/2017 | AUG. 2016           | 4325771 |
| \$710,551    | USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS) | DEVELOPING TRAINING AND EXERCISES FOR APHIS VETERINARY SERVICES EMERGENCY PREPAREDNESS AND RESPONSE TRAINING   | MOGAN-KING, JANICE P      | COLLEGE OF VETERINARY MEDICINE     | CTR FOR FOOD SECURITY & PUBLIC HEALTH | 016062-00001 | Public Service        | 8/18/2016  | 8/17/2017 | AUG. 2016           | 4120567 |
| \$621,277    | VARIOUS ISUF DONORS-INDIVIDUAL                        | IOWA STATE UNIVERSITY DONATIONS  | LEATH, STEVEN             | PRESIDENT                          | PRESIDENT                             | 015914-00001 | Academic Support      | 6/1/2016   | 5/31/2017 | AUG. 2016           |         |
| \$501,991    | NSF-NATIONAL SCIENCE FOUNDATION                       | IMPROVED UNDERSTANDING OF NOCTURNAL MESOSCALE CONVECTIVE SYSTEM EVOLUTION  | GALLUS, WILLIAM ANDREW JR | COLLEGE OF LIBERAL ARTS & SCIENCES | GEOLOGICAL & ATMOSPHERIC SCIENCES     | 015982-00001 | Research              | 8/15/2016  | 7/31/2019 | AUG. 2016           | 4207158 |
| \$500,996    | UNIVERSITY OF NORTHERN IOWA                           | REGIONAL STEM SCALE-UP PROGRAMMING SUPPORT FOR FY17  | HIGGINS, CHADWICK CHARLES | UNIVERSITY & COOPERATIVE EXTENSION | VP EXTENSION & OUTREACH               | 015953-00001 | Public Service        | 7/1/2016   | 6/30/2017 | AUG. 2016           | 4753031 |
| \$500,000    | BILL & MELINDA GATES FOUNDATION                       | PLANT BREEDING MASTER OF SCIENCE PROGRAMS FOR AFRICA   | SUZA, WALTER              | AG EXPERIMENT STATION              | AGRONOMY                              | 011542-00001 | Research              | 12/5/2013  | 2/1/2018  | AUG. 2016           | 4004290 |
| \$497,200    | USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS) | HIGHLY PATHOGENIC AVIAN INFLUENZA PREPAREDNESS: DEVELOPING AND UPDATING HPAI AND FAD PREP MATERIALS FOR PRODUCERS, INDUSTRY AND STATE RESPONDERS AND FAD PREP SUPPORT TO THE | ROTH, JAMES ALLEN         | COLLEGE OF VETERINARY MEDICINE     | CTR FOR FOOD SECURITY & PUBLIC HEALTH | 016056-00001 | Public Service        | 8/18/2016  | 8/17/2017 | AUG. 2016           | 4120572 |

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|              |   | NPIC   |                       |                                    |  |              |                            |            |           |                     |         |
| \$484,000    | USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS) | HIGHLY PATHOGENIC AVIAN INFLUENZA PREPAREDNESS: OUTREACH AND ENGAGEMENT TO INDUSTRY AND STATE OFFICIALS FOR IMPLEMENTATION OF UPDATED BIOSECURITY AND UNIFIED SECURE POULTRY SUPPLY PLAN | ROTH, JAMES ALLEN     | COLLEGE OF VETERINARY MEDICINE     | CTR FOR FOOD SECURITY & PUBLIC HEALTH  | 016061-00001 | Public Service             | 8/18/2016  | 8/17/2017 | AUG. 2016           | 4120571 |
| \$466,560    | ED-US DEPARTMENT OF EDUCATION                         | ISU TRIO EDUCATIONAL TALENT SEARCH   | AGYEMAN, JANE ONWONA  | VICE PRESIDENT FOR STUDENT AFFAIRS | VICE PRESIDENT FOR STUDENT AFFAIRS     | 015955-00001 | Student Services           | 9/1/2016   | 8/31/2017 | AUG. 2016           | 4321406 |
| \$450,000    | UCHICAGO ARGONNE LLC- ARGONNE NATIONAL LABORATORY     | MEASUREMENT-BASED HIERARCHICAL FRAMEWORK FOR TIME-VARYING STOCHASTIC LOAD MODELING   | WANG, ZHAOYU          | COLLEGE OF ENGINEERING             | ELECTRICAL ENGINEERING & COMPUTER ENGR | 015988-00001 | Research                   | 8/3/2016   | 8/7/2019  | AUG. 2016           | 4046070 |
| \$447,702    | VARIOUS ISUF DONORS-INDIVIDUAL                        | IOWA STATE UNIVERSITY DONATIONS  | LEATH, STEVEN         | PRESIDENT                          | PRESIDENT                              | 015913-00001 | Scholarships & Fellowships | 6/1/2016   | 5/31/2017 | AUG. 2016           |         |
| \$439,493    | DOD-AIR FORCE OFFICE OF SCIENTIFIC RESEARCH (AFOSR)   | SYNTHESIS, CHARACTERIZATION AND SIMULATIONS OF IONIC LIQUIDS   | GORDON, MARK STEPHEN  | COLLEGE OF LIBERAL ARTS & SCIENCES | CHEMISTRY                              | 012499-00001 | Research                   | 9/1/2014   | 8/31/2017 | AUG. 2016           | 4212106 |
| \$415,175    | NSF-NATIONAL SCIENCE FOUNDATION                       | CM: MACHINE-LEARNING DRIVEN DECISION SUPPORT IN DESIGN FOR MANUFACTURABILITY   | KRISHNAMURTHY, ADARSH | COLLEGE OF ENGINEERING             | MECHANICAL ENGINEERING                 | 015968-00001 | Research                   | 9/1/2016   | 8/31/2019 | AUG. 2016           | 4206087 |
| \$385,047    | NSF-NATIONAL  | CDS&E: DESIGN  | TRAVESSET-CASAS,      | COLLEGE OF                         | PHYSICS &                              | 016039-00001 | Research                   | 9/1/2016   | 8/31/2019 | AUG.                | 4207163 |

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|              | SCIENCE FOUNDATION  | PRINCIPLES FOR ORDERING NANOPARTICLES INTO SUPER-CRYSTALS  | ALEJANDR             | LIBERAL ARTS & SCIENCES            | ASTRONOMY                          |              |               |            |           | 2016                |         |
| \$371,726    | DOE-US DEPARTMENT OF ENERGY                                     | SCALABLE REACTOR DESIGNS FOR CATALYTIC AUTOTHERMAL PYROLYSIS   | MBA-WRIGHT, MARK     | VP FOR RESEARCH                    | BIOECONOMY INSTITUTE               | 016073-00001 | Research      | 8/15/2016  | 8/14/2017 | AUG. 2016           | 4011705 |
| \$365,736    | 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  | 6/30/2017 | AUG. 2016           | 4042818 |
| \$363,915    | NIH-NATIONAL INSTITUTE OF ALLERGY & INFECTIOUS DISEASES (NIAID) | STRUCTURE AND MECHANISM OF THE ABGT-FAMILY TRANSPORTERS  | YU, EDWARD WA-ON     | COLLEGE OF LIBERAL ARTS & SCIENCES | PHYSICS & ASTRONOMY                | 014387-00001 | Research      | 9/4/2015   | 8/31/2017 | AUG. 2016           | 4302128 |
| \$360,485    | NSF-NATIONAL SCIENCE FOUNDATION                                 | REU SITE: RESEARCH AND EDUCATION IN MULTISCALE SENSING AND IMAGING   | SUNDARARAJAN, SRIRAM | COLLEGE OF ENGINEERING             | MECHANICAL ENGINEERING             | 016027-00001 | Research      | 9/1/2016   | 8/31/2019 | AUG. 2016           | 4206299 |
| \$346,048    | NSF-NATIONAL SCIENCE FOUNDATION                                 | CONTROL-BASED ADAPTIVE CHARACTERIZATION OF NANO-SCALE MECHANICAL AND STRUCTURAL PROPERTIES OF BIOLOGICAL MATERIALS | REN, JUAN            | COLLEGE OF ENGINEERING             | MECHANICAL ENGINEERING             | 015949-00001 | Research      | 9/1/2016   | 8/31/2019 | AUG. 2016           | 4206085 |
| \$330,000    | NSF-NATIONAL SCIENCE FOUNDATION                                 | DATA-DRIVEN DYNAMIC RELIABILITY ASSESSMENT OF LITHIUM-ION BATTERY CONSIDERING                                      | HU, CHAO             | COLLEGE OF ENGINEERING             | MECHANICAL ENGINEERING             | 015980-00001 | Research      | 8/15/2016  | 7/31/2019 | AUG. 2016           | 4206297 |

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|              |   | DEGRADATION MECHANISMS  |                    |                                    |  |              |                       |            |           |                     |         |
| \$328,858    | NSF-NATIONAL SCIENCE FOUNDATION                       | INVESTIGATING MULTI-FUNCTIONAL CYTOCHROMES P450 FROM GIBBERELLIN PHYTOHORMONE BIOSYNTHESIS                      | PETERS, REUBEN J   | COLLEGE OF LIBERAL ARTS & SCIENCES | BIOCHEMISTRY & BIOPHYSICS              | 015666-00001 | Research              | 9/1/2016   | 8/31/2019 | AUG. 2016           | 4207154 |
| \$308,922    | WALTON FAMILY FOUNDATION                              | SPREADING PRAIRIE STRIPS TO IOWA FARMS FOR IMPROVED WATER QUALITY, SOIL CONSERVATION, AND BIODIVERSITY          | LIEBMAN, MATTHEW Z | AG EXPERIMENT STATION              | AGRONOMY                               | 015966-00001 | Research              | 8/1/2016   | 7/31/2018 | AUG. 2016           | 4004451 |
| \$308,737    | 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  | 016003-00001 | Public Service        | 9/18/2016  | 9/17/2017 | AUG. 2016           | 4120570 |
| \$306,800    | USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS) | SECURE FOOD SUPPLY PLANS FOR BUSINESS CONTINUITY: MILK AND PORK (16-17)   | ROTH, JAMES ALLEN  | COLLEGE OF VETERINARY MEDICINE     | CTR FOR FOOD SECURITY & PUBLIC HEALTH  | 016053-00001 | Public Service        | 8/18/2016  | 8/17/2017 | AUG. 2016           | 4120575 |
| \$301,346    | VARIOUS ISUF DONORS-INDUSTRY/ CORPORATE               | IOWA STATE UNIVERSITY DONATIONS   | LEATH, STEVEN      | PRESIDENT                          | PRESIDENT                              | 015917-00001 | Institutional Support | 6/1/2016   | 5/31/2017 | AUG. 2016           |         |
| \$300,317    | NSF-NATIONAL SCIENCE FOUNDATION                       | DEVELOPMENT OF SPIRALLY COILING, FORCE-SENSING SOFT-ROBOT FOR SAFE AND ACCURATE COCHLEAR ELECTRODE IMPLANTATION | KIM, JAEYOUN       | COLLEGE OF ENGINEERING             | ELECTRICAL ENGINEERING & COMPUTER ENGR | 016029-00001 | Research              | 9/1/2016   | 8/31/2019 | AUG. 2016           | 4207208 |
| \$299,858    | NSF-NATIONAL  | EAGER: DEXTEROUS  | JIA, YAN-BIN       | COLLEGE OF                         | COMPUTER SCIENCE                       | 015996-00001 | Research              | 10/1/2016  | 9/30/2018 | AUG.                | 4207160 |

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|              | SCIENCE FOUNDATION   | ROBOTIC CUTTING  |                           | LIBERAL ARTS & SCIENCES            |  |              |                            |            |           | 2016                |         |
| \$288,000    | IOWA DEPARTMENT OF AGRICULTURE & LAND STEWARDSHIP          | MIDWEST GRAPE AND WINE INDUSTRY INSTITUTE, FY 2017   | DHARMADHIKARI, MURLIDHAR  | UNIVERSITY & COOPERATIVE EXTENSION | FOOD SCIENCE & HUMAN NUTRITION           | 016017-00001 | Public Service             | 7/1/2016   | 6/30/2018 | AUG. 2016           | 4713062 |
| \$287,570    | NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS) | ELUCIDATING THE ELABORATION OF PLANT TERPENOID NATURAL PRODUCTS  | PETERS, REUBEN J          | COLLEGE OF LIBERAL ARTS & SCIENCES | BIOCHEMISTRY & BIOPHYSICS                | 014136-00001 | Research                   | 8/5/2015   | 7/31/2017 | AUG. 2016           | 4302126 |
| \$285,305    | NSF-NATIONAL SCIENCE FOUNDATION                            | A NATURAL LANGUAGE BASED DATA RETRIEVAL ENGINE FOR AUTOMATED DIGITAL DATA EXTRACTION FOR CIVIL INFRASTRUCTURE PROJECTS | JEONG, HYUNG SEOK         | COLLEGE OF ENGINEERING             | CIVIL, CONSTR & ENVIRONMENTAL ENGR       | 015941-00001 | Research                   | 9/1/2016   | 2/28/2019 | AUG. 2016           | 4206083 |
| \$279,067    | DOJ-FEDERAL BUREAU OF INVESTIGATION (FBI)                  | TRUST BUILDING STRATEGIES: FACILITATING COOPERATION IN AN INTERROGATIVE CONTEXT  | MEISSNER, CHRISTIAN AUGUS | COLLEGE OF LIBERAL ARTS & SCIENCES | PSYCHOLOGY                               | 014900-00001 | Research                   | 9/30/2015  | 9/29/2017 | AUG. 2016           | 4282115 |
| \$273,942    | VARIOUS ISUF DONORS-NONPROFIT                              | IOWA STATE UNIVERSITY DONATIONS  | LEATH, STEVEN             | PRESIDENT                          | PRESIDENT                                | 015923-00001 | Scholarships & Fellowships | 6/1/2016   | 5/31/2017 | AUG. 2016           |         |
| \$250,000    | DOC-ECONOMIC DEVELOPMENT ADMINISTRATION (EDA)              | UNIVERSITY CENTER ECONOMIC DEVELOPMENT PROGRAM   | COX, RONALD ARTHUR        | COLLEGE OF ENGINEERING             | CENTER FOR INDUSTRIAL RESEARCH & SERVICE | 010919-00001 | Public Service             | 8/26/2013  | 7/31/2017 | AUG. 2016           | 4263543 |
| \$232,514    | DOE-US DEPARTMENT OF ENERGY                                | ADVANCED MODELS FOR NONDESTRUCTIVE EVALUATION OF AGING NUCLEAR   | BOWLER, NICOLA            | COLLEGE OF ENGINEERING             | MATERIALS SCIENCE & ENGINEERING          | 012884-00001 | Research                   | 10/1/2014  | 9/30/2017 | AUG. 2016           | 4012014 |

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|              |   | POWER PLANT CABLES  |                           |                                    |  |              |               |            |           |                     |         |
| \$221,292    | DOJ-FEDERAL BUREAU OF INVESTIGATION (FBI) | COUNTERING RESISTANCE DUE TO IDENTITY AND AFFILIATION CONCERNS: SECRECY AS A THEORETICAL FRAMEWORK FOR ELICITING INFORMATION FROM NON-COMPLIANT SOURCES | MEISSNER, CHRISTIAN AUGUS | COLLEGE OF LIBERAL ARTS & SCIENCES | PSYCHOLOGY                             | 014711-00001 | Research      | 9/30/2015  | 9/29/2017 | AUG. 2016           | 4282110 |
| \$215,030    | NSF-NATIONAL SCIENCE FOUNDATION           | COLLABORATIVE RESEARCH: MULTIFUNCTIONAL STRUCTURAL PANEL FOR ENERGY EFFICIENCY AND MULTI-HAZARDS MITIGATION   | CHEN, AN                  | COLLEGE OF ENGINEERING             | CIVIL, CONSTR & ENVIRONMENTAL ENGR     | 015972-00001 | Research      | 8/1/2016   | 7/31/2019 | AUG. 2016           | 4206092 |
| \$207,232    | NSF-NATIONAL SCIENCE FOUNDATION           | COLLABORATIVE RESEARCH: SOLUTION PROCESSING OF ORGANIC SEMICONDUCTORS: A COUPLED ATOMISTIC-CONTINUUM FRAMEWORK  | GANAPATHYSUBRAMANIAN, B   | COLLEGE OF ENGINEERING             | MECHANICAL ENGINEERING                 | 015995-00001 | Research      | 8/15/2016  | 7/31/2019 | AUG. 2016           | 4206298 |
| \$191,353    | SWINE HEALTH INFORMATION CENTER           | DEVELOPMENT AND SUPPORT OF AN INDUSTRY RAPID RESPONSE PROGRAM FOR EPIDEMIOLOGICAL INVESTIGATIONS OF EMERGING, TRANSBOUNDARY AND ENDEMIC SWINE           | HOLTKAMP, DERALD J        | COLLEGE OF VETERINARY MEDICINE     | VET DIAGNOSTIC & PRODUCTION ANIMAL MED | 016052-00001 | Research      | 9/1/2016   | 8/31/2018 | AUG. 2016           | 4592307 |

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|              |   | DISEASES WITH KNOWN ETIOLOGY   |                        |                                |  |              |                            |            |            |                     |         |
| \$180,981    | DOT-FEDERAL AVIATION ADMINISTRATION (FAA) | IMPLEMENTING A MULTIPLE-SLAB RESPONSE MODEL FOR TOP-DOWN CRACKING MODE IN RIGID AIRPORT PAVEMENTS  | CEYLAN, HALIL          | COLLEGE OF ENGINEERING         | CIVIL, CONSTR & ENVIRONMENTAL ENGR       | 014193-00001 | Research                   | 8/15/2015  | 8/14/2017  | AUG. 2016           | 4362005 |
| \$174,998    | NSF-NATIONAL SCIENCE FOUNDATION           | CRII: CPS: TOWARDS AN INTELLIGENT LOW-ALTITUDE UAS TRAFFIC MANAGEMENT SYSTEM   | WEI, PENG              | VP FOR RESEARCH                | VIRTUAL REALITY APPLICATIONS CENTER      | 015940-00001 | Research                   | 5/15/2016  | 4/30/2018  | AUG. 2016           | 4202543 |
| \$173,880    | IOWA DEPARTMENT OF NATURAL RESOURCES      | LOWER DES MOINES AND IOWA RIVER WATER TRAIL PLANNING   | WAGNER, MIMI MARIE     | COLLEGE OF DESIGN              | INSTITUTE FOR DESIGN RESEARCH & OUTREACH | 015898-00001 | Research                   | 8/1/2016   | 12/31/2018 | AUG. 2016           | 4732913 |
| \$172,500    | MONSANTO COMPANY                          | SERVICE ORDER NO. 26   | ARCHONTOULIS, SOTIRIOS | AG EXPERIMENT STATION          | AGRONOMY                                 | 016047-00001 | Research                   | 6/1/2016   | 5/31/2017  | AUG. 2016           | 4004473 |
| \$171,700    | NSF-NATIONAL SCIENCE FOUNDATION           | IPA ASSIGNMENT FOR PHILIP BECRAFT  | BECRAFT, PHILIP W      | AG EXPERIMENT STATION          | GENETICS DEVELOPMENT & CELL BIOLOGY      | 016081-00001 | Public Service             | 8/21/2016  | 8/20/2017  | AUG. 2016           | 4204118 |
| \$165,860    | CPF (THAILAND) PUBLIC COMPANY LIMITED     | CHAROEN POKPHAND FOODS (CPF) THAILAND FELLOWSHIP   | ZHANG, JIANQIANG       | COLLEGE OF VETERINARY MEDICINE | VET DIAGNOSTIC & PRODUCTION ANIMAL MED   | 015978-00001 | Scholarships & Fellowships | 8/1/2016   | 7/31/2020  | AUG. 2016           | 4006348 |
| \$155,766    | NATIONAL PORK BOARD                       | DEVELOPMENT AND VALIDATION OF NOVEL DIAGNOSTIC ASSAYS AND INVESTIGATION OF DISEASE PATHOGENESIS FOR INFECTIOUS ARTHRITIS IN GROWING PIGS | ARRUDA, BAILEY LAUREN  | COLLEGE OF VETERINARY MEDICINE | VET DIAGNOSTIC & PRODUCTION ANIMAL MED   | 015962-00001 | Research                   | 9/1/2016   | 8/31/2017  | AUG. 2016           | 4532387 |
| \$151,778    | NASA-NATIONAL                             | A SMAP BIOMASS   | HORNBUCKLE, BRIAN KIRK | AG                             | AGRONOMY                                 | 016057-00001 | Research                   | 1/1/2017   | 12/31/2019 | AUG.                | 4224003 |

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|              | AERONAUTICS & SPACE ADMINISTRATION        | PRODUCT FOR CROPLANDS ENABLED BY THE CALIBRATION AND VALIDATION OF FOOTPRINT SCALE T AND B PARAMETERS |                           | EXPERIMENT STATION                 |   |              |               |            |           | 2016                |         |
| \$150,367    | NSF-NATIONAL SCIENCE FOUNDATION           | REU SITE: COLLABORATIVE PROPOSAL: CENTER FOR BIOPLASTICS AND BIOCOMPOSITES                            | GREWELL, DAVID            | AG EXPERIMENT STATION              | CENTER FOR CROPS UTILIZATION            | 016037-00001 | Research      | 9/1/2016   | 8/31/2019 | AUG. 2016           | 4204117 |
| \$150,000    | DOE-US DEPARTMENT OF ENERGY               | THE ACCELERATOR NEUTRINO NEUTRON INTERACTION EXPERIMENT (ANNIE)                                       | SANCHEZ, MAYLY            | COLLEGE OF LIBERAL ARTS & SCIENCES | PHYSICS & ASTRONOMY                     | 016050-00001 | Research      | 7/1/2016   | 6/30/2017 | AUG. 2016           | 4012136 |
| \$145,239    | DOT-FEDERAL AVIATION ADMINISTRATION (FAA) | PROJECT 24: PILOT PERFORMANCE CONSIDERATIONS FOR SENSOR TECHNOLOGIES                                  | DORNEICH, MICHAEL         | COLLEGE OF ENGINEERING             | INDUSTRIAL & MANUFACTURING SYSTEMS ENGR | 015965-00001 | Research      | 7/19/2016  | 8/30/2019 | AUG. 2016           | 4362013 |
| \$121,514    | COLORADO SCHOOL OF MINES                  | I/UCRC FOR ADVANCED NON-FERROUS STRUCTURAL ALLOYS (CANFSA) MEMBERSHIP                                 | COLLINS, PETER CHANCELLOR | COLLEGE OF ENGINEERING             | MATERIALS SCIENCE & ENGINEERING         | 016022-00001 | Research      | 7/1/2015   | 6/30/2016 | AUG. 2016           | 4006049 |
| \$120,000    | NSF-NATIONAL SCIENCE FOUNDATION           | RI: SMALL: COLLABORATIVE RESEARCH: DEVELOPING GOLDEN SPEAKERS FOR SECOND-LANGUAGE PRONUNCIATION       | LEVIS, JOHN MICHAEL       | COLLEGE OF LIBERAL ARTS & SCIENCES | ENGLISH                                 | 015994-00001 | Research      | 9/1/2016   | 8/31/2019 | AUG. 2016           | 4207159 |
| \$120,000    | IOWA DEPARTMENT OF TRANSPORTATION         | EFFECTIVENESS OF PAVEMENT PRESERVATION TECHNIQUES   | BUSS, ASHLEY FAYE         | VP FOR RESEARCH                    | INST FOR TRANSPORTATION (INTRANS)       | 016079-00001 | Research      | 8/17/2016  | 7/31/2018 | AUG. 2016           | 4747955 |

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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 |
|--------------|---|--|------------------------|------------------------------------|---|--------------|--------------------------|------------|-----------|---------------------|---------|
| \$116,857    | TEXAS A&M UNIVERSITY TRANSPORTATION INSTITUTE         | SAFETY AND PERFORMANCE CRITERIA FOR RETROREFLECTIVE PAVEMENT MARKERS                                   | HALLMARK, SHAUNA L     | VP FOR RESEARCH                    | INST FOR TRANSPORTATION (INTRANS)       | 014721-00001 | Research                 | 9/1/2015   | 12/1/2017 | AUG. 2016           | 4041781 |
| \$115,610    | USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS) | DEVELOPMENT AND DELIVERY OF APHIS SUPPLEMENTAL TRAINING FOR RACE CONTINUING EDUCATION UNITS            | ROTH, JAMES ALLEN      | COLLEGE OF VETERINARY MEDICINE     | CTR FOR FOOD SECURITY & PUBLIC HEALTH   | 016044-00001 | Public Service           | 9/1/2016   | 8/31/2017 | AUG. 2016           | 4120566 |
| \$102,556    | NASA-NATIONAL AERONAUTICS & SPACE ADMINISTRATION      | CONTRIBUTIONS TO SMAPVEX16IA BY IOWA STATE UNIVERSITY AND THE UNIVERSITY OF IOWA                       | HORNBUCKLE, BRIAN KIRK | AG EXPERIMENT STATION              | AGRONOMY                                | 015409-00001 | Research                 | 6/24/2016  | 6/23/2017 | AUG. 2016           | 4224001 |
| \$100,976    | GRADIENT (GRADCO LLC DBA AS GRADIENT)                 | A COUNTERFACTUAL APPROACH TO QUANTIFY THE CAUSAL EFFECT OF FINE PARTICULATE MATTER ON MORTALITY        | HE, ZHULIN             | COLLEGE OF LIBERAL ARTS & SCIENCES | CTR FOR SURVEY STATISTICS & METHODOLOGY | 016026-00001 | Research                 | 5/1/2016   | 3/31/2017 | AUG. 2016           | 4006104 |
| \$100,498    | VARIOUS ISUF DONORS-INDIVIDUAL                        | IOWA STATE UNIVERSITY DONATIONS  | LEATH, STEVEN          | PRESIDENT                          | PRESIDENT                               | 015912-00001 | Research                 | 6/1/2016   | 5/31/2017 | AUG. 2016           |         |
| \$100,050    | VARIOUS ISUF DONORS-INDUSTRY/CORPORATE                | IOWA STATE UNIVERSITY DONATIONS  | LEATH, STEVEN          | PRESIDENT                          | PRESIDENT                               | 015920-00001 | Operations & Maintenance | 6/1/2016   | 5/31/2017 | AUG. 2016           |         |
| \$99,745     | UNITED SOYBEAN BOARD                                  | EVALUATION OF PRECISION ZONE MANAGEMENT IN SOYBEAN FIELDS TO INCREASE PROFIT AND REDUCE PRODUCT INPUTS | MUELLER, DAREN SHANE   | UNIVERSITY & COOPERATIVE EXTENSION | PLANT PATHOLOGY                         | 015989-00001 | Research                 | 10/1/2016  | 9/30/2017 | AUG. 2016           | 4593008 |
| \$99,000     | HHS-FOOD & DRUG                                       | ISU VET-LIRN COLLABORATIVE   | RUMBEIHA, WILSON K     | COLLEGE OF VETERINARY              | VET DIAGNOSTIC & PRODUCTION ANIMAL      | 011364-00001 | Research                 | 9/1/2013   | 8/31/2017 | AUG. 2016           | 4302304 |

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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 |
|--------------|---|---|--------------------|--------------------------------|---|--------------|----------------|------------|-----------|---------------------|---------|
|              | ADMINISTRATION (FDA)                                    | VALIDATION OF TESTING METHODS ON ANIMAL DIAGNOSTIC SPECIMENS  |                    | MEDICINE                       | MED                                     |              |                |            |           |                     |         |
| \$96,265     | JUVENILE DIABETES RESEARCH FOUNDATION INTERNATIONAL     | A PILOT STUDY TO EVALUATE A NOVEL FEEDBACK/ FEEDFORWARD AUTOMATIC CONTROL ALGORITHM IN ITS ABILITY TO SUBSTANTIALLY TIGHTEN BLOOD GLUCOSE CONCENTRATION | ROLLINS, DERRICK K | COLLEGE OF ENGINEERING         | CHEMICAL & BIOLOGICAL ENGR              | 016030-00001 | Research       | 9/1/2016   | 8/31/2017 | AUG. 2016           | 4006051 |
| \$88,549     | THE RESEARCH INSTITUTE AT NATIONWIDE CHILDRENS HOSPITAL | ROLE OF STRESS-INDUCED REDUCTION IN LACTOBACILLUS REUTERI ON COLONIC INFLAMMATION   | LYTE, MARK         | COLLEGE OF VETERINARY MEDICINE | VETERINARY MICROBIOLOGY & PREV MEDICINE | 016015-00001 | Research       | 5/1/2016   | 4/30/2017 | AUG. 2016           | 4042321 |
| \$86,034     | MOLECULAR EXPRESS INC - DBA APTALOGIC INC               | DETECTING EBOLA VIRUS INFECTIONS  | SHROTRIYA, PRANAV  | COLLEGE OF ENGINEERING         | MECHANICAL ENGINEERING                  | 014210-00001 | Research       | 4/1/2015   | 3/31/2017 | AUG. 2016           | 4042018 |
| \$85,000     | TECHNOLOGY ASSOCIATION OF IOWA                          | IT OLYMPICS 2016-2017   | JACOBSON, DOUG W   | COLLEGE OF ENGINEERING         | INFORMATION ASSURANCE CENTER            | 015963-00001 | Public Service | 8/1/2016   | 6/15/2017 | AUG. 2016           | 4006048 |
| \$79,499     | NSF-NATIONAL SCIENCE FOUNDATION                         | NEW CISE REU PI RESOURCES   | GILBERT, STEPHEN   | VP FOR RESEARCH                | VIRTUAL REALITY APPLICATIONS CENTER     | 016005-00001 | Research       | 8/15/2016  | 7/31/2017 | AUG. 2016           | 4202551 |
| \$74,749     | IOWA DEPARTMENT OF TRANSPORTATION                       | ANALYSIS OF DYNAMIC ADVISORY MESSAGING PHASE II   | HANS, ZACHARY N    | VP FOR RESEARCH                | INST FOR TRANSPORTATION (INTRANS)       | 016012-00001 | Research       | 8/1/2016   | 6/30/2017 | AUG. 2016           | 4747956 |
| \$71,000     | VARIOUS ISUF DONORS-NONPROFIT                           | IOWA STATE UNIVERSITY DONATIONS   | LEATH, STEVEN      | PRESIDENT                      | PRESIDENT                               | 015924-00001 | Research       | 6/1/2016   | 5/31/2017 | AUG. 2016           |         |

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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 |
|--------------|--|---|----------------------|------------------------------------|---|--------------|----------------|------------|-----------|---------------------|---------|
| \$67,813     | UNIVERSITY OF SOUTHERN CALIFORNIA                    | RESEARCH STUDY ON THE THOMPSON SCHOLARS LEARNING COMMUNITIES AT THE UNIVERSITY OF NEBRASKA  | REASON, ROBERT DEAN  | COLLEGE OF HUMAN SCIENCES          | SCHOOL OF EDUCATION                     | 015616-00001 | Research       | 1/1/2016   | 6/30/2017 | AUG. 2016           | 4002889 |
| \$65,020     | UNITED NATIONS-FOOD & AGRICULTURE ORGANIZATION (FAO) | RESEARCH ON MASTER SAMPLING FRAME FOR FISHERIES AND AQUACULTURE STATISTICS                  | BERG, EMILY JULIA    | COLLEGE OF LIBERAL ARTS & SCIENCES | CTR FOR SURVEY STATISTICS & METHODOLOGY | 016078-00001 | Research       | 8/25/2016  | 8/31/2017 | AUG. 2016           | 4002145 |
| \$64,000     | DOE-US DEPARTMENT OF ENERGY                          | INVESTIGATIONS OF QUARK SEA AND ORBITAL ANGULAR MOMENTUM CONTRIBUTIONS TO NUCLEON SPIN      | LAJOIE, JOHN G       | COLLEGE OF LIBERAL ARTS & SCIENCES | PHYSICS & ASTRONOMY                     | 008010-00001 | Research       | 9/1/2010   | 8/31/2017 | AUG. 2016           | 4012103 |
| \$63,417     | NORTH CAROLINA STATE UNIVERSITY                      | TRANSIENT SOIL DENSITY: MEASURING CHANGE AND DEVELOPING MODELS THAT ACCOUNT FOR ITS EFFECTS | HORTON, ROBERT JR    | AG EXPERIMENT STATION              | AGRONOMY                                | 015979-00001 | Research       | 5/1/2016   | 4/30/2017 | AUG. 2016           | 4044099 |
| \$60,000     | DOE-US DEPARTMENT OF ENERGY                          | NUCLEI (NUCLEAR COMPUTATIONAL LOW-ENERGY INITIATIVE)  | VARY, JAMES P        | COLLEGE OF LIBERAL ARTS & SCIENCES | PHYSICS & ASTRONOMY                     | 007150-00001 | Research       | 8/15/2012  | 8/14/2017 | AUG. 2016           | 4012119 |
| \$60,000     | CARBON SOLUTIONS INC                                 | ALL-SOLID STATE BATTERY-ULTRACAPACITOR HYBRID DEVICES BASED ON NANOSTRUCTURED MATERIALS     | HU, CHAO             | COLLEGE OF ENGINEERING             | MECHANICAL ENGINEERING                  | 016032-00001 | Research       | 7/15/2016  | 7/13/2017 | AUG. 2016           | 4046071 |
| \$59,431     | USDA-AGRICULTURAL RESEARCH SERVICES (ARS)            | ACQUISITION OF GOODS AND SERVICES 58-3625-4-020   | LAMKEY, KENDALL RAYE | AG EXPERIMENT STATION              | AGRONOMY                                | 011434-00001 | Public Service | 10/1/2013  | 9/30/2014 | AUG. 2016           | 4194319 |

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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 |
|--------------|--|---|-------------------|------------------------------------|--|--------------|----------------------------|------------|------------|---------------------|---------|
| \$57,376     | SWINE HEALTH INFORMATION CENTER              | ENHANCING UNIVERSALLY RECOGNIZED DIAGNOSTIC DATA STANDARDS AND SYSTEMS OF ELECTRONIC MESSAGING IN SWINE DIAGNOSTIC MEDICINE | MAIN, RODGER GARY | COLLEGE OF VETERINARY MEDICINE     | VET DIAGNOSTIC & PRODUCTION ANIMAL MED | 015954-00001 | Research                   | 9/1/2016   | 9/30/2017  | AUG. 2016           | 4592306 |
| \$55,558     | SURFACE APPLIED FLUID INTERFACE TECHNOLOGIES | STABLE UNDERCOOLED METAL MATERIALS FOR SOLDERING HEAT-SENSITIVE COMPONENTS AND SUBSTRATES                                   | THUO, MARTIN      | COLLEGE OF ENGINEERING             | MATERIALS SCIENCE & ENGINEERING        | 015959-00001 | Research                   | 7/27/2016  | 12/31/2016 | AUG. 2016           | 4046067 |
| \$55,173     | OHIO STATE UNIVERSITY                        | ELECTROSTATIC PRECIPITATION AIR CLEANING OF PARTICULATE MATTER (PM) EMISSIONS AT ANIMAL PRODUCTION FACILITIES               | XIN, HONGWEI      | AG EXPERIMENT STATION              | AG & BIOSYSTEMS ENGINEERING            | 016008-00001 | Research                   | 1/1/2016   | 12/31/2018 | AUG. 2016           | 4104405 |
| \$54,997     | VARIOUS ISUF DONORS-INDUSTRY/CORPORATE       | IOWA STATE UNIVERSITY DONATIONS   | LEATH, STEVEN     | PRESIDENT                          | PRESIDENT                              | 015918-00001 | Scholarships & Fellowships | 6/1/2016   | 5/31/2017  | AUG. 2016           |         |
| \$53,208     | DONALD DANFORTH PLANT SCIENCE CENTER         | REGULATORY HIERARCHIES AND ROLES OF NON-CODING RNAs IN MAIZE ANTHERS  | YANG, BING        | COLLEGE OF LIBERAL ARTS & SCIENCES | GENETICS DEVELOPMENT & CELL BIOLOGY    | 015981-00001 | Research                   | 1/1/2016   | 5/31/2016  | AUG. 2016           | 4046126 |
| \$52,950     | VARIOUS ISUF DONORS-NONPROFIT                | IOWA STATE UNIVERSITY DONATIONS   | LEATH, STEVEN     | PRESIDENT                          | PRESIDENT                              | 015925-00001 | Operations & Maintenance   | 6/1/2016   | 5/31/2017  | AUG. 2016           |         |
| \$52,744     | VARIOUS ISUF DONORS-NONPROFIT                | IOWA STATE UNIVERSITY DONATIONS   | LEATH, STEVEN     | PRESIDENT                          | PRESIDENT                              | 015922-00001 | Institutional Support      | 6/1/2016   | 5/31/2017  | AUG. 2016           |         |

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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 |
|--------------|--|---|---------------------------|------------------------------------|--|--------------|----------------------------|------------|------------|---------------------|---------|
| \$52,550     | USDA-FOREIGN AGRICULTURAL SERVICE (FAS)  | GRAIN MARKETING INTELLIGENCE AND LOGISTICS                                      | MAIER, DIRK EBERHARD      | AG EXPERIMENT STATION              | GLOBAL AG PROGRAMS                     | 015950-00001 | Scholarships & Fellowships | 8/23/2016  | 8/1/2017   | AUG. 2016           | 4124060 |
| \$50,119     | MICRONUTRIENTS                           | DETERMINATION OF BIOAVAILABILITY OF ZINC FROM ZINC HYDROXYCHLORIDE IN RUMINANTS | HANSEN, STEPHANIE L       | AG EXPERIMENT STATION              | ANIMAL SCIENCE                         | 016019-00001 | Research                   | 8/1/2016   | 9/30/2017  | AUG. 2016           | 4004466 |
| \$50,000     | NSF-NATIONAL SCIENCE FOUNDATION          | I-CORPS TEAMS: SAFE AND CONVENIENT CHEMICAL PURIFICATION SYSTEM                 | COCHRAN, ERIC W           | COLLEGE OF ENGINEERING             | CHEMICAL & BIOLOGICAL ENGR             | 015761-00001 | Research                   | 8/15/2016  | 1/31/2017  | AUG. 2016           | 4206081 |
| \$50,000     | DOJ-NATIONAL INSTITUTE OF JUSTICE (NIJ)  | NANOPARTICLES FOR THE CHEMICAL IMAGING OF LATENT FINGERPRINT                    | LEE, YOUNG-JIN            | COLLEGE OF LIBERAL ARTS & SCIENCES | CHEMISTRY                              | 015977-00001 | Scholarships & Fellowships | 8/1/2016   | 7/31/2017  | AUG. 2016           | 4282112 |
| \$49,792     | SEMICONDUCTOR RESEARCH CORPORATION (SRC) | METRIC AND CAD FOR DPA RESISTANCE   | TYAGI, AKHILESH           | COLLEGE OF ENGINEERING             | ELECTRICAL ENGINEERING & COMPUTER ENGR | 012565-00001 | Research                   | 10/1/2014  | 9/30/2017  | AUG. 2016           | 4006201 |
| \$48,000     | UNIVERSITY OF NORTH TEXAS                | I/UCRC FOR ADVANCED NON-FERROUS STRUCTURAL ALLOYS (CANFSA) MEMBERSHIP           | COLLINS, PETER CHANCELLOR | COLLEGE OF ENGINEERING             | MATERIALS SCIENCE & ENGINEERING        | 016074-00001 | Research                   | 7/31/2015  | 9/30/2016  | AUG. 2016           | 4046072 |
| \$42,396     | ED-US DEPARTMENT OF EDUCATION            | PELL GRANT, FY16  | JOHNSON, ROBERTA L        | VICE PRESIDENT FOR STUDENT AFFAIRS | STUDENT FINANCIAL AID                  | 013745-00001 | Student Financial Aid      | 7/1/2015   | 6/30/2016  | AUG. 2016           | 4325763 |
| \$40,500     | VARIOUS ISUF DONORS-INDUSTRY/ CORPORATE  | IOWA STATE UNIVERSITY DONATIONS   | LEATH, STEVEN             | PRESIDENT                          | PRESIDENT                              | 015919-00001 | Research                   | 6/1/2016   | 5/31/2017  | AUG. 2016           |         |
| \$40,000     | USDA-FOREIGN AGRICULTURAL SERVICE (FAS)  | USDA-FAS SCRPGHANA SOLAR BIOMASS HYBRID DRYER                                   | MAIER, DIRK EBERHARD      | AG EXPERIMENT STATION              | AG & BIOSYSTEMS ENGINEERING            | 015764-00001 | Research                   | 8/3/2016   | 12/31/2018 | AUG. 2016           | 4124048 |

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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 |
|--------------|--|--|--------------------------|---------------------------|---|--------------|------------------|------------|------------|---------------------|---------|
| \$40,000     | ARIZONA STATE UNIVERSITY                         | ANALYSIS OF POWER SYSTEM OPERATIONAL UNCERTAINTY FROM GAS SYSTEM DEPENDENCE FOR SECURITY RISK ASSESSMENT | RYAN, SARAH M            | COLLEGE OF ENGINEERING    | INDUSTRIAL & MANUFACTURING SYSTEMS ENGR | 015987-00001 | Research         | 7/1/2016   | 6/30/2018  | AUG. 2016           | 4046069 |
| \$35,567     | VARIOUS ISUF DONORS-INDUSTRY/ CORPORATE          | IOWA STATE UNIVERSITY DONATIONS  | LEATH, STEVEN            | PRESIDENT                 | PRESIDENT                               | 015916-00001 | Academic Support | 6/1/2016   | 5/31/2017  | AUG. 2016           |         |
| \$35,180     | USDA-FOREIGN AGRICULTURAL SERVICE (FAS)          | BFPFY16 MALAWI NYAIKA POSTHARVEST IOWAST   | LAMSAL, BUDDHI P         | AG EXPERIMENT STATION     | GLOBAL AG PROGRAMS                      | 015998-00001 | Instruction      | 8/23/2016  | 12/31/2018 | AUG. 2016           | 4124080 |
| \$30,456     | HELICITY TECHNOLOGIES INC                        | TESTING OF DURABLE ICEPHOBIC COMPOSITE COATINGS FOR AIRCRAFT ICING MITIGATION                            | HU, HUI                  | COLLEGE OF ENGINEERING    | AEROSPACE ENGINEERING                   | 015964-00001 | Research         | 8/1/2016   | 12/9/2016  | AUG. 2016           | 4046068 |
| \$30,000     | USDA-ECONOMIC RESEARCH SERVICE (ERS)             | FOOD SECURITY MODEL DEVELOPMENT  | BEGHIN, JOHN CHRISTOPHER | AG EXPERIMENT STATION     | CENTER FOR AG & RURAL DEVELOPMENT       | 010841-00001 | Research         | 9/1/2013   | 8/30/2018  | AUG. 2016           | 4124003 |
| \$30,000     | NASA-NATIONAL AERONAUTICS & SPACE ADMINISTRATION | A NEW APPROACH FOR RETRIEVING SOIL MOISTURE FROM SMAP OVER THE CORN BELT                                 | HORNBUCKLE, BRIAN KIRK   | AG EXPERIMENT STATION     | AGRONOMY                                | 016001-00001 | Research         | 9/1/2016   | 8/31/2017  | AUG. 2016           | 4224002 |
| \$30,000     | SAUER-DANFOSS INC                                | CENTER FOR E-DESIGN MEMBERSHIP DANFOSS   | MCKILLIGAN, SEDA         | COLLEGE OF ENGINEERING    | CENTER FOR E-DESIGN                     | 016014-00001 | Research         | 3/1/2016   | 2/28/2017  | AUG. 2016           |         |
| \$30,000     | SOLENIS  | CHARACTERIZATION OF CONDENSED DISTILLERS SOLUBLES (CDS)  | ROSENTRATER, KURT A      | AG EXPERIMENT STATION     | AG & BIOSYSTEMS ENGINEERING             | 016018-00001 | Research         | 8/19/2016  | 2/18/2017  | AUG. 2016           | 4004498 |
| \$25,000     | NEA-NATIONAL ENDOWMENT FOR THE ARTS              | NEW CONFIGURATIONS IN FASHION:   | SANDERS, EULANDA         | COLLEGE OF HUMAN SCIENCES | APPAREL, EVENTS & HOSPITALITY MGMT      | 015947-00001 | Instruction      | 6/1/2016   | 12/31/2017 | AUG. 2016           | 4282803 |

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|--------------|--|---|-----------------------|---------------------------|------------------------------------|--------------|----------------------------|------------|------------|---------------------|---------|
|              |  | INNOVATIVE FORMS MEET ENGINEERED TEXTILE PRINTING   |                       |                           |                                    |              |                            |            |            |                     |         |
| \$22,467     | MICHIGAN STATE UNIVERSITY  | A SHORT COURSE IN COMPUTATION, STATISTICAL ANALYSES, AND INTERPRETATION OF MICROBIAL METAGENOME DATA            | HOWE, ADINA           | COLLEGE OF ENGINEERING    | AG & BIOSYSTEMS ENGINEERING        | 015016-00001 | Instruction                | 8/3/2015   | 7/31/2017  | AUG. 2016           | 4042053 |
| \$21,767     | UNIVERSITY OF CALIFORNIA BERKELEY  | EARLY ADVERSITY SHAPES ADOLESCENT RISK BEHAVIOR TRAJECTORIES IN MEXICAN AMERICANS                               | SHIRTCLIFF, ELIZABETH | COLLEGE OF HUMAN SCIENCES | HUMAN DEVELOPMENT & FAMILY STUDIES | 012361-00001 | Research                   | 6/1/2014   | 1/31/2017  | AUG. 2016           | 4042812 |
| \$21,595     | USDA- AGRICULTURAL RESEARCH SERVICES (ARS)   | ACQUISITION OF GOODS AND SERVICES   | LAMKEY, KENDALL RAYE  | AG EXPERIMENT STATION     | AGRONOMY                           | 013066-00001 | Public Service             | 10/1/2014  | 9/30/2015  | AUG. 2016           | 4194517 |
| \$20,000     | MINNESOTA PORK BOARD   | NARASIN (SKYSIS) AND PROTEASES EVALUATION TO ELIMINATE FOAMING IN DEEP-PIT MANURE STORAGES-A FIELD VERIFICATION | ANDERSEN, DANIEL S    | AG EXPERIMENT STATION     | AG & BIOSYSTEMS ENGINEERING        | 015983-00001 | Research                   | 5/1/2016   | 4/30/2017  | AUG. 2016           | 4594059 |
| \$20,000     | NATIONAL CONSORTIUM FOR GRADUATE DEGREES FOR MINORITIES IN ENGINEERING & SCIENCE (GEM) | GEM FELLOWSHIP FOR CIMONE WRIGHT  | SOMANI, ARUN K        | COLLEGE OF ENGINEERING    | ENGINEERING RESEARCH INSTITUTE     | 016068-00001 | Scholarships & Fellowships | 8/1/2015   | 5/31/2020  | AUG. 2016           | 4006052 |
| \$19,532     | GENEX SYSTEMS LLC  | GIS LINKAGES WITH THE SHRP2 ROADWAY INFORMATION DATABASE (RID)  | SMADI, OMAR G         | VP FOR RESEARCH           | INST FOR TRANSPORTATION (INTRANS)  | 016031-00001 | Research                   | 1/4/2016   | 12/31/2016 | AUG. 2016           | 4047723 |
| \$17,872     | MRI GLOBAL   | USRAP TECHNICAL SUPPORT IN 2016   | HANS, ZACHARY N       | VP FOR RESEARCH           | INST FOR TRANSPORTATION            | 016069-00001 | Research                   | 6/15/2016  | 12/31/2016 | AUG. 2016           | 4047724 |

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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 |
|--------------|---|---|-----------------------|------------------------------------|---|--------------|----------------|------------|------------|---------------------|---------|
|              |   |   |                       |                                    | (INTRANS)                                 |              |                |            |            |                     |         |
| \$15,519     | WOMEN FOOD & AGRICULTURE NETWORK              | OUTREACH TO WOMEN LANDOWNERS TO ENROLL IN CRP   | DAHLSTROM, MICHAEL F  | COLLEGE OF LIBERAL ARTS & SCIENCES | GREENLEE SCHOOL JOURNALISM/ COMMUNICATION | 016028-00001 | Research       | 7/25/2016  | 6/30/2017  | AUG. 2016           | 4102105 |
| \$15,000     | USDA- AGRICULTURAL RESEARCH SERVICES (ARS)    | ACQUISITION OF GOODS AND SERVICES   | WANNEMUEHLER, MICHAEL | COLLEGE OF VETERINARY MEDICINE     | VETERINARY MICROBIOLOGY & PREV MEDICINE   | 014642-00001 | Public Service | 10/1/2015  | 9/30/2016  | AUG. 2016           | 4192365 |
| \$15,000     | TEXAS A&M UNIVERSITY- TEXAS AGRILIFE RESEARCH | TECHNICAL ASSISTANCE ON THE CONSERVATION EFFECTS ASSESSMENT PROJECT (CEAP) FOR MODELING   | GASSMAN, PHILIP W     | AG EXPERIMENT STATION              | CENTER FOR AG & RURAL DEVELOPMENT         | 016002-00001 | Research       | 6/28/2016  | 9/30/2017  | AUG. 2016           | 4044225 |
| \$14,865     | USDA- AGRICULTURAL RESEARCH SERVICES (ARS)    | ACQUISITION OF GOODS AND SERVICES   | WANNEMUEHLER, MICHAEL | COLLEGE OF VETERINARY MEDICINE     | VETERINARY MICROBIOLOGY & PREV MEDICINE   | 014611-00001 | Public Service | 10/1/2015  | 9/30/2016  | AUG. 2016           | 4192361 |
| \$12,000     | MICHIGAN STATE UNIVERSITY                     | IOWA PLANT DIAGNOSTIC NETWORK   | JESSE, LAURA C HANSEN | UNIVERSITY & COOPERATIVE EXTENSION | PLANT PATHOLOGY                           | 008261-00001 | Public Service | 7/1/2012   | 12/31/2016 | AUG. 2016           | 4103033 |
| \$12,000     | UNIVERSITY OF MINNESOTA TWIN CITIES           | FACTORS DRIVING GRAIN PRODUCERS TO CONVERT TO ORGANIC FARMING SYSTEMS   | GRUDENS-SCHUCK, NANCY | AG EXPERIMENT STATION              | AG EDUCATION & STUDIES                    | 016071-00001 | Research       | 9/1/2016   | 3/31/2018  | AUG. 2016           | 4104046 |
| \$10,540     | USDA-FOREST SERVICE (FS)                      | ANALYSIS OF SPRUCE BUDWORM OUTBREAK PATTERNS IN THE BORDER LAKES REGION OF MINNESOTA IN SUPPORT OF ALTERNATIVE LAND MANAGEMENT STRATEGIES | WOLTER, PETER THOMAS  | AG EXPERIMENT STATION              | NATURAL RESOURCE ECOLOGY & MGMT           | 014264-00001 | Research       | 8/13/2015  | 12/31/2017 | AUG. 2016           | 4124044 |

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Award Total: \$39,835,760

| Award Amount | Sponsor                                    | Award Title  | PI                   | Lead Org Unit                      | Lead Org Dept                          | Award Number | Activity Type | Start Date | End Date   | Award Register Date | Account |
|--------------|--|--|----------------------|------------------------------------|--|--------------|---------------|------------|------------|---------------------|---------|
| \$10,000     | DOE-US DEPARTMENT OF ENERGY                | GAMES7557SSEMAG PALINDROMIC THEORY SYMPOSIUM   | GORDON, MARK STEPHEN | COLLEGE OF LIBERAL ARTS & SCIENCES | CHEMISTRY                              | 015990-00001 | Instruction   | 9/15/2016  | 9/14/2017  | AUG. 2016           | 4012135 |
| \$9,999      | HHS-FOOD & DRUG ADMINISTRATION (FDA)       | ISU-VET-LRN COOPERATIVE AGREEMENT PROPOSAL (U18)   | RUMBEIHA, WILSON K   | COLLEGE OF VETERINARY MEDICINE     | VET DIAGNOSTIC & PRODUCTION ANIMAL MED | 007721-00001 | Research      | 9/1/2012   | 8/31/2017  | AUG. 2016           | 4302302 |
| \$8,513      | DOOLITTLE INSTITUTE                        | HIGH-RATE STATE ESTIMATION   | LAFLAMME, SIMON      | COLLEGE OF ENGINEERING             | CIVIL, CONSTR & ENVIRONMENTAL ENGR     | 015351-00001 | Research      | 6/2/2015   | 6/1/2018   | AUG. 2016           | 4042070 |
| \$7,283      | MRI GLOBAL                                 | WORK ORDER 2 - PILOT STUDY OF USRAP SAFER ROADS INVESTMENT PLANS FOR UTAH COUNTIES   | HANS, ZACHARY N      | VP FOR RESEARCH                    | INST FOR TRANSPORTATION (INTRANS)      | 016051-00001 | Research      | 7/1/2016   | 12/31/2016 | AUG. 2016           | 4007744 |
| \$6,000      | UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN    | ENHANCING INDUSTRY-ACADEMIC BIG DATA COLLABORATION AND PARTNERSHIPS FOR EARLY CAREER RESEARCHERS ACROSS MIDWEST BIG DATA HUB | DORIUS, CASSANDRA JO | COLLEGE OF HUMAN SCIENCES          | HUMAN DEVELOPMENT & FAMILY STUDIES     | 016042-00001 | Research      | 6/15/2016  | 9/30/2016  | AUG. 2016           | 4042865 |
| \$5,000      | PRINCIPAL FINANCIAL GROUP INC              | ISU INFORMATION ASSURANCE RESEARCH CONSORTIUM, MEMBERSHIP - PRINCIPAL  | JACOBSON, DOUG W     | COLLEGE OF ENGINEERING             | INFORMATION ASSURANCE CENTER           | 015945-00001 | Research      | 1/1/2016   | 12/31/2016 | AUG. 2016           |         |
| \$5,000      | USDA- AGRICULTURAL RESEARCH SERVICES (ARS) | EVALUATION OF THE IMPACT OF IMPROVED MANAGEMENT PRACTICES ON ENERGY FLUXES AND CROP PRODUCTIVITY                             | HONEYMAN, MARK S     | AG EXPERIMENT STATION              | ISU RESEARCH FARMS                     | 016038-00001 | Research      | 5/1/2016   | 4/30/2017  | AUG. 2016           | 4194035 |
| \$4,843      | ASSOCIATION FOR PSYCHOLOGICAL              | LEVELING THE PLAYING FIELD: REDUCING THE   | CHAN, CHUN KIT       | COLLEGE OF LIBERAL ARTS & SCIENCES | PSYCHOLOGY                             | 016020-00001 | Research      | 6/30/2016  | 6/29/2017  | AUG. 2016           | 4002154 |

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Award Count: 138  
Award Total: \$39,835,760

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|--------------|--|--|-----------------------|------------------------------------|------------------------------------|--------------|----------------------------|------------|------------|---------------------|---------|
|              | SCIENCE  | NEGATIVE IMPACT OF TEST ANXIETY ON EXAM PERFORMANCE  |                       |                                    |                                    |              |                            |            |            |                     |         |
| \$4,550      | MICHIGAN STATE UNIVERSITY                          | EXPLORING A NEW PARADIGM FOR UNDERSTANDING FARMERS' CROP INSURANCE DECISIONS: INTEGRATING ECONOMIC, PSYCHOLOGICAL, AND FARMER PERSPECTIVES | BLANKENSHIP, KEVIN L  | COLLEGE OF LIBERAL ARTS & SCIENCES | PSYCHOLOGY                         | 015956-00001 | Research                   | 9/1/2015   | 8/31/2016  | AUG. 2016           | 4046145 |
| \$3,932      | USDA-ARS-US ARID LAND AGRICULTURAL RESEARCH CENTER | DOES GEOGRAPHIC LOCATION OF SEASONAL POLLENS AND BEES AFFECT NUTRIENT ACQUISITION AND GENE EXPRESSION IN HONEY BEES?                       | TOTH, AMY LYNN        | AG EXPERIMENT STATION              | ECOLOGY, EVOLUTION & ORG BIOLOGY   | 016082-00001 | Research                   | 5/1/2016   | 12/1/2016  | AUG. 2016           | 4194045 |
| \$2,470      | EMBASSY OF THE FEDERAL REPUBLIC OF GERMANY         | GERMANY MEETS THE US   | RECTANUS, MARK W      | COLLEGE OF LIBERAL ARTS & SCIENCES | WORLD LANGUAGES & CULTURES         | 016080-00001 | Public Service             | 9/1/2016   | 12/15/2016 | AUG. 2016           | 4002146 |
| \$2,221      | FRAUSCHER HOLDING GESELLSCHAFT M B H               | CONDUCTIVITY AND PERMEABILITY CHARACTERIZATION OF RAILROAD STEELS  | BOWLER, NICOLA        | COLLEGE OF ENGINEERING             | CENTER FOR NON-DESTRUCT EVALUATION | 016025-00001 | Research                   | 8/16/2016  | 12/31/2016 | AUG. 2016           | 4002582 |
| \$2,000      | KAPPA OMICRON NU                                   | EILEEN C MADDEX FELLOWSHIP-LESLIE DOOLEY   | PETERSON, CARLA ANN   | COLLEGE OF HUMAN SCIENCES          | HUMAN DEVELOPMENT & FAMILY STUDIES | 015993-00001 | Research                   | 7/15/2016  | 7/14/2017  | AUG. 2016           | 4002893 |
| \$1,000      | IOWA DEPARTMENT OF PUBLIC HEALTH                   | GIS MAPPING FOR NEEDS ASSESSMENT   | SEEGER, CHRISTOPHER J | UNIVERSITY & COOPERATIVE EXTENSION | LANDSCAPE ARCHITECTURE             | 014335-00001 | Public Service             | 10/1/2015  | 9/29/2016  | AUG. 2016           | 4783023 |
| \$932        | ED-US DEPARTMENT OF EDUCATION                      | TEACHER EDUCATION ASSISTANCE FOR   | JOHNSON, ROBERTA L    | VICE PRESIDENT FOR STUDENT         | STUDENT FINANCIAL AID              | 013744-00001 | Scholarships & Fellowships | 7/1/2015   | 6/30/2016  | AUG. 2016           | 4325762 |

**Calendar Year:** 2016  
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**Award Total:** \$39,835,760

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|--------------|---|--|-----------------|-----------------|---------------------|--------------|----------------|------------|------------|---------------------|---------|
|              |   | COLLEGE AND HIGHER EDUCATION (TEACH) GRANT, FY16 |                 | AFFAIRS         |                     |              |                |            |            |                     |         |
| \$640        | WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION | BODIES IN MOTION                                 | SHULMAN, MARC A | PRESIDENT       | ATHLETIC DEPARTMENT | 016009-00001 | Research       | 8/1/2016   | 11/30/2016 | AUG. 2016           | 4001601 |
| \$500        | MARSHALLTON RESEARCH LABS INC                 | CMI AFFILIATE PROGRAM MEMBERSHIP                 | KING, ALEXANDER | AMES LABORATORY | AMES LABORATORY     | 015992-00001 | Public Service | 8/1/2016   | 7/31/2017  | AUG. 2016           |         |