I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$22,189,706        DEPARTMENT OF ENERGY  
93016      Operating and Management Support for the Ames Laboratory  

11/1/08  to  9/30/10  RESEARCH  
KING, ALEXANDER  AMES LABORATORY

$4,373,488        DEPARTMENT OF ENERGY  
104796      A Genetically Tractable Microalgal Platform for Advanced Biofuel Production  

1/15/10  to  1/14/13  RESEARCH  
SPALDING, MARTIN  GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS 
NIKOLAU, BASIL  BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS 
HALVERSON, LARRY  PLANT PATHOLOGY-AES/CALS 
WURTELE, EVE  GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS 
OLIVER, DAVID  GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS

$2,429,999        CONOCOPHILLIPS COMPANY  
105762       Biofuels Research Program (2010)  

1/1/10  to  12/31/10  RESEARCH  
BROWN, ROBERT  MECHANICAL ENGINEERING-ENGR

$499,833        DEPARTMENT OF AGRICULTURE, NIFA  
99266       Learning and Teaching with Experimental Watersheds: Evaluation of Ecosystem Services in Mixed Annual-perennial Agroecosystems  

2/1/10  to  1/31/13  RESEARCH  
HELMERS, MATTHEW  AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS 
ASBJORNSEN, HEIDI  NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS 
GRUDENS-SCHUCK, NANCY  AGRICULTURAL EDUCATION & STUDIES-AES/CALS 
LIEBMANN, MATTHEW  AGRONOMY-AES/CALS 
ONEAL, MATTHEW  ENTOMOLOGY-AES/CALS 
SCHULTE, LISA  NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS 
TYNDALL, JOHN  NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS 
ARBUCKLE, J.  SOCIOLOGY-AES/CALS 
HARRIS, MARY  NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$499,250  DEPARTMENT OF AGRICULTURE, NIFA

99543  Influence of Alternative Biomass Cropping Systems on Short-term Ecosystem Processes

1/1/10 to 12/31/12  RESEARCH

ISENHART, THOMAS  NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS
SCHULTE, LISA  NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS
HALL, RICHARD  NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS
HALLAM, J.  ECONOMICS-AES/CALS
HEATON, EMILY  AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
HELMERS, MATTHEW  AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
HOFMOCKEL, KIRSTEN  ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS
MOORE, KENNETH  AGRONOMY-AES/CALS

$410,842  IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP

105803  Nutrient and Water Management Project

1/1/10 to 12/31/10  RESEARCH

HELMERS, MATTHEW  AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
CRUMPTON, WILLIAM  ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

$360,396  DEPARTMENT OF AGRICULTURE, NIFA

99324  An Analysis of the Impact of Biofuel Expansion through Linking of Agricultural and Energy Markets

1/15/10 to 1/14/13  RESEARCH

ELOBEID, AMANI  ECONOMICS-AES/CALS

$350,000  DEPARTMENT OF AGRICULTURE, NIFA

99077  Characterizing and Engineering Biochemical Processes Governing the Balance of Metabolic Flux to Amino Acids, Proteins, and Starch Stored in Maize Grain

12/15/09 to 12/14/12  RESEARCH

MYERS, ALAN  BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS
KEELING, PETER  BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS

$326,000  NORTHWEST AREA FOUNDATION

95687  Horizons Community Implementation Project Phase III

7/17/08 to 7/31/10  EXTENSION/PUBLIC

WARNING, JEANNE  EXTENSION TO FAMILIES-EXT
FLETCHER, CYNTHIA  HUMAN DEVELOPMENT & FAMILY STUDIES-EXT
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$326,000 NORTHWEST AREA FOUNDATION
Horizons Community Implementation Project Phase III
95687
7/17/08 to 7/31/10 EXTENSION/PUBLIC
CO-PI FREEMAN, RUTH EXTENSION TO FAMILIES-EXT

$320,000 IOWA DEPARTMENT OF TRANSPORTATION
Local Technical Assistance Program HR-296 for 2010
105430
1/1/10 to 12/31/10 RESEARCH
CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI MCDONALD, THOMAS INSTITUTE FOR TRANSPORTATION-VPR/ED

$300,000 SMALL BUSINESS ADMINISTRATION
Iowa Small Business Development Center FY2010 Small Business Administration Cooperative Agreement
104083
10/1/09 to 9/30/10 EXTENSION/PUBLIC
HECKMANN, JAMES SMALL BUSINESS DEVELOPMENT CENTER-BUS

$292,887 IOWA DEPARTMENT OF TRANSPORTATION
Aurora Program Management
106164
10/1/03 to 12/31/12 RESEARCH
CO-PI HAWKINS, NEAL INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI ALBRECHT, CHRISTOPHER INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

$260,142 NATIONAL INSTITUTES OF HEALTH
Regulation of Chromatin Structure and Gene Expression
81059
1/1/10 to 12/31/10 RESEARCH
CO-PI JOHANSEN, KRISTEN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY
CO-PI JOHANSEN, JORGEN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY
CO-PI GIRTON, JACK BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY

$254,032 POET
Effect of Corn Cob-Piles on Subsequent Crop Development and Soil Health
105480
10/19/09 to 12/31/11 RESEARCH
ELMORE, ROGER AGRONOMY-EXT
### I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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<td>Risk, Resilience, and Disorder: African Americans Transitioning to Adulthood</td>
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<td>Connection Details and Field Implementation of UHPC Piles</td>
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<td>Enhancing Farmland Water Quality and Availability through Soil-building Crop Rotations and Organic Practices</td>
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**Note:** The RESEARCH dates are in the format of the start date to the end date.
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

January 01 - 31, 2010

98818  Office of Intellectual Property and Technology Transfer Support

$200,000  IOWA STATE UNIVERSITY RESEARCH FOUNDATION

7/1/09 to 6/30/99  RESEARCH  VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED

$193,885  NATIONAL SCIENCE FOUNDATION

104047  Console Replacement for a 20-year Old 400 MHz Open Access NMR Spectrometer

1/1/10 to 12/31/12  EQUIPMENT  CHEMISTRY-LAS

$193,079  FLUOROUS TECHNOLOGIES, INC

105122  Fluorous Solution-phase Synthesis of Peptides and Oligosaccharides

9/4/09 to 8/31/10  RESEARCH  CHEMISTRY-LAS

$179,966  NATIONAL INSTITUTES OF HEALTH

94385  Use of RecA to Promote Gene Targeting

3/1/09 to 2/28/11  RESEARCH  GENETICS, DEVELOPMENT & CELL BIOLOGY-AES

$174,208  DEPARTMENT OF EDUCATION

85932  Chemical Transformations of Biomass: A New Direction in Graduate Education

8/15/07 to 8/14/10  FELLOWSHIP  CHEMISTRY

$162,500  IOWA SOYBEAN ASSOCIATION

105957  Entomology Extension and Research Initiative

10/1/09 to 9/30/10  EXTENSION/PUBLIC  ENTOMOLOGY-AES/CALS
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

**January 01 - 31, 2010**

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I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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$109,828 NATIONAL SCIENCE FOUNDATION

93248 Collaborative Research: AToL: PorToL-The Porifera Tree of Life Project

10/1/08 to 9/30/11 RESEARCH
LAVROV, DENNIS ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

$101,869 KENT STATE UNIVERSITY

79256 Self-Assembled Soft Optical NIMS

10/1/09 to 9/30/10 RESEARCH
SOUKOULIS, COSTAS PHYSICS & ASTRONOMY

$100,954 DEERE & COMPANY

93394 Development of VR Simulation for 3D Painter Training

1/1/10 to 12/31/10 RESEARCH
WINER, ELIOT MECHANICAL ENGINEERING-ENGR

$100,000 PIONEER HI-BRED INTERNATIONAL, INC

104424 Transgenic Plant Resistance to Invertebrate Pests

8/1/09 to 5/31/11 RESEARCH
BONNING, BRYONY ENTOMOLOGY-AES/CALS
MILLER, WYATT PLANT PATHOLOGY-AES/CALS

$100,000 MIDAMERICAN ENERGY COMPANY

106191 MidAmerican Energy Company Electric Power Research Center (MEC-EPRC)

11/1/09 to 10/31/10 RESEARCH
BAIRD, TOM ELECTRICAL & COMPUTER ENGINEERING-ENGR

$97,244 NATIONAL SCIENCE FOUNDATION

78335 REU Site: Research Experience for Undergraduates in Molecular Biotechnology and Genomics

3/15/06 to 2/28/11 INSTRUCTION/TRAINING
ROTHSCHILD, MAX ANIMAL SCIENCE
OLIVER, DAVID GENETICS, DEVELOPMENT & CELL BIOLOGY

CO-PI MILLER, WYATT PLANT PATHOLOGY-AES/CALS

CO-PI OLIVER, DAVID GENETICS, DEVELOPMENT & CELL BIOLOGY

REU Site: Research Experience for Undergraduates in Molecular Biotechnology and Genomics

3/15/06 to 2/28/11 INSTRUCTION/TRAINING
ROTHSCHILD, MAX ANIMAL SCIENCE
OLIVER, DAVID GENETICS, DEVELOPMENT & CELL BIOLOGY

CO-PI MILLER, WYATT PLANT PATHOLOGY-AES/CALS

CO-PI OLIVER, DAVID GENETICS, DEVELOPMENT & CELL BIOLOGY
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<td>Selection of Small Inhibitory Molecules Against Filoviruses</td>
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- 325 478-31-02
- 106221 420-20-08
- 104373 400-20-33
- 98769 410-40-61
- 91624 404-40-34
- 83239 420-40-65
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$89,596  WEST VIRGINIA UNIVERSITY

98464  Dynamic Roughness Smart Skins for Aerodynamic Flow Control

9/4/09  to  9/3/12  RESEARCH
ROTHMAYER, ALRIC  AEROSPACE ENGINEERING-ENGR

$86,270  IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT

97574  Iowa Development and Economic Asset Mapping

1/11/10  to  6/30/11  RESEARCH
JOHNSTON, DOUGLAS  COMMUNITY & REGIONAL PLANNING-DSN
BORICH, TIMOTHY  COMMUNITY & REGIONAL PLANNING-DSN
HADDAD, MONICA  COMMUNITY & REGIONAL PLANNING-DSN

$85,571  IOWA DEPARTMENT OF HUMAN SERVICES

105673  Food Stamp Outreach Project

1/1/10  to  9/30/10  EXTENSION/PUBLIC
GREDER, KIMBERLY  HUMAN DEVELOPMENT & FAMILY STUDIES-EXT
GARASKY, STEVEN  HUMAN DEVELOPMENT & FAMILY STUDIES-HS
COOK, CHRISTINE  HUMAN DEVELOPMENT & FAMILY STUDIES-HS

$83,137  YALE UNIVERSITY

85294  Comparative Analysis of C3 and C4 Leaf Development in Rice, Sorghum and Maize

8/1/07  to  7/31/10  RESEARCH
LIU, PENG  STATISTICS

$80,271  DEERE & COMPANY

105414  Development Variable Rate Stover Collection for Single Pass Biomass Harvester

5/31/10  to  5/31/11  RESEARCH
BIRRELL, STUART  AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
STEWARD, BRIAN  AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

CO-PI
CO-PI
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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$80,000 NATIONAL SCIENCE FOUNDATION

104220 CAREER: Meeting Deadlines: Theories and Algorithms to Support Delay Constrained Communication in Wireless Networks

1/15/10 to 12/31/10 RESEARCH

YING, LEI ELECTRICAL & COMPUTER ENGINEERING-ENGR

$78,791 DEERE & COMPANY

105413 Development and Evaluation of Smart Spout/Auger for Biomass Harvester

5/31/10 to 5/31/11 RESEARCH

BIRRELL, STUART CO-PI

DARR, MATTHEW AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

$76,000 CALIFORNIA INSTITUTE OF TECHNOLOGY

105146 Eleanor Searle Visiting Professor of the History of Science

1/1/10 to 6/30/10 MISCELLANEOUS

WILSON, DAVID HISTORY-LAS

$75,622 OFFICE OF NAVAL RESEARCH

97671 Towards Secure and Privacy-preserving Deployment and Access of Large Tactical Sensor Networks

6/1/09 to 5/31/12 RESEARCH

ZHANG, WENSHENG COMPUTER SCIENCE-LAS

$75,206 DEERE & COMPANY

93376 Improved Reliability through Linked Information Gathering

1/1/10 to 12/31/10 RESEARCH

BRYDEN, KENNETH MECHANICAL ENGINEERING-ENGR

$72,955 DEERE & COMPANY

105447 Development and Evaluation In-field Biomass Densification Systems

10/1/10 to 12/1/11 RESEARCH

BIRRELL, STUART CO-PI

DARR, MATTHEW AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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1. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$69,033 WINEGARD COMPANY

105902 Controls and Stabilization Development for Marine Satellite TV and Two-way Internet Motorized Antennas
1/1/10 to 12/31/10 RESEARCH
LUECKE, GREG MECHANICAL ENGINEERING-ENGR

$67,154 UNIVERSITY OF NEBRASKA-LINCOLN

105807 Functional Analysis of Soybean Genes through Transposon Mutagenesis
10/1/08 to 9/30/10 RESEARCH
WANG, KAN AGRONOMY-AES/CALS

$65,833 NATIONAL SCIENCE FOUNDATION

105717 Collaborative Research: The North American Regional Climate Change Assessment Program (NARCCAP)-Using Multiple GCMs and RCMs to Simulate Future Climates and their Uncertainty
1/1/06 to 6/30/10 RESEARCH
GUTOWSKI, WILLIAM GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS
ARRITT, RAYMOND AGRONOMY-AES/CALS
TAKLE, GENE AGRONOMY-AES/CALS

$65,000 IOWA DEPARTMENT OF MANAGEMENT

104279 Early Childhood PBS Project 2009-10
12/10/09 to 9/30/10 RESEARCH
PETEERSON, CARLA HUMAN DEVELOPMENT & FAMILY STUDIES-HS
LUZE, GAYLE HUMAN DEVELOPMENT & FAMILY STUDIES-HS

$58,786 DEERE & COMPANY

93375 Project 5 or Phase V: Stress for John Deere Fatigue Life Prediction Applications
1/1/10 to 12/31/10 RESEARCH
CHUMBLEY, LEONARD MATERIALS SCIENCE & ENGINEERING-ENGR
LO, CHI CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
NAKAGAWA, NORIO CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
January 01 - 31, 2010

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$54,082 DEERE & COMPANY

Extensible VE Tools for Improved Product Design

1/1/10 to 12/31/10 RESEARCH
BRYDEN, KENNETH MECHANICAL ENGINEERING-ENGR

$53,460 UNITED WAY OF STORY COUNTY

Story County Needs Assessment: Mail/Web Survey/Map and Report Development

7/1/09 to 5/31/11 RESEARCH
SEEGER, CHRISTOPHER LANDSCAPE ARCHITECTURE-DSN
WELK, GREGORY KINESIOLOGY-HS
LADJAHASAN, NORA INSTITUTE FOR DESIGN RESEARCH & OUTREACH-DSN
LARSON, JANICE CENTER FOR SURVEY STATISTICS & METHODOLOGY-VPR/ED

$50,042 AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

Cyanate Ester Resins Modified with Nano-particles for Inclusion in Continuous Fiber Reinforced Composites

12/1/09 to 11/30/10 RESEARCH
KESSLER, MICHAEL MATERIALS SCIENCE & ENGINEERING

$50,000 ENVIRONMENTAL PROTECTION AGENCY

Development of a North Central Integrated Pest Management Pest Information Platform for Extension and Education Web Site to Increase Adoption of Integrated Pest Management

9/30/09 to 9/29/11 EXTENSION/PUBLIC
MUELLER, DAREN PLANT PATHOLOGY-EXT

$50,000 IOWA DEPARTMENT OF TRANSPORTATION

Structural Characterization of a UHPC Waffle Bridge Deck and Its Connections

11/20/09 to 4/30/11 RESEARCH
SRITHARAN, SIVALINGAM CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED
ROUSE, JON CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
WIPF, TERRY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$49,456  
IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP

**106142** Impacts of Crop, Biomass Harvest Systems, and Nutrient Management on Soil and Phosphorus Loss with Surface Runoff Project

- **PI**: MALLARINO, ANTONIO  
- **CO-PI**: HELMERS, MATTHEW

1/1/10 to 12/31/10  
EXTENSION/PUBLIC  
AGRONOMY-EXT  
AGRICULTURAL & BIOSYSTEMS ENGINEERING-EXT

$42,000  
LOS ALAMOS NATIONAL LABORATORY

$41,782  
CIMMYT

**105875** Integration of CIMMYT Maize Data with MaizeGDB Resource

- **PI**: SPALDING, MARTIN  
- **CO-PI**: LAWRENCE, CAROLYN

12/15/09 to 4/30/10  
RESEARCH  
GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS  
GENETICS, DEVELOPMENT & CELL BIOLOGY-AES/CALS

$40,000  
COTTON INCORPORATED

**104852** Comparative Evolutionary Proteomics of Cotton

- **PI**: WENDEL, JONATHAN

1/1/10 to 12/31/10  
RESEARCH  
ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

$39,884  
IOWA WEST FOUNDATION

**105926** Evaluating the Impact of State and Foundation Funding on Preschool Services in Pottawattamie County

- **PI**: HEGLAND, SUSAN

12/1/09 to 8/31/10  
RESEARCH  
HUMAN DEVELOPMENT & FAMILY STUDIES-HS

$36,098  
IOWA DEPARTMENT OF TRANSPORTATION

**106182** Wind Monitoring of the Red Rock Reservoir Bridge for Wind Induced Vibrations with Remote, Cellular-based Notification

- **PI**: PHARES, BRENT  
- **CO-PI**: NAMBISAN, SHASI

2/1/09 to 2/28/12  
RESEARCH  
INSTITUTE FOR TRANSPORTATION-VPR/ED  
INSTITUTE FOR TRANSPORTATION-VPR/ED
### GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

**January 01 - 31, 2010**

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$26,719  BROWN UNIVERSITY
Demographic and Hormonal Profiles of Reproductive Decline in Perimenopause
9/30/06  to  8/31/10  RESEARCH
BRONIKOWSKI, ANNE  ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY

$21,371  IOWA DEPARTMENT OF PUBLIC HEALTH
Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)
1/1/10  to  12/31/10  RESEARCH
BARTHOLOMAY, LYRIC  ENTOMOLOGY-AES/CALS

$20,961  DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER
Growth Factor Treatment of Visual Loss in Compressive Optic Nerve Injury
12/7/09  to  2/7/10  RESEARCH
GROZDANIC, SINISA  VETERINARY CLINICAL SCIENCES
CO-PI SAKAGUCHI, DONALD  GENETICS, DEVELOPMENT & CELL BIOLOGY

$20,000  UNIVERSITY OF NEBRASKA-LINCOLN
Multi-laser-beam Open-atmosphere Surface Coating Techniques Based on Precursor Excitation, Photodissociation and Controlled Cooling
1/1/08  to  6/30/10  RESEARCH
WANG, XINWEI  MECHANICAL ENGINEERING-ENGR

$15,000  DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER
Growth Factor Treatment of Visual Loss in Compressive Optic Nerve Injury
12/8/09  to  12/18/09  RESEARCH
GROZDANIC, SINISA  VETERINARY CLINICAL SCIENCES
CO-PI SAKAGUCHI, DONALD  GENETICS, DEVELOPMENT & CELL BIOLOGY

$13,135  DEPARTMENT OF INTERIOR, GEOLOGICAL SURVEY
Characterizing Uncertainty in the Impact of Global Climate Change on Large River Fishes: Missouri River Sturgeon
12/15/09  to  12/14/10  RESEARCH
ANDERSON, CHRISTOPHER  AGRONOMY-AES/CALS
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$10,000 IOWA FRUIT AND VEGETABLE GROWERS ASSOCIATION

104316 Increased Production and Marketability of Specialty Fruit Crops Grown in Tunnel Structure

11/1/09 to 11/1/10 RESEARCH
NONNECKE, GAIL HORTICULTURE-AES/CALS

$10,000 HNTB CORPORATION

106140 Bridge Designs for Rapid Renewal

3/1/09 to 10/31/09 RESEARCH
WIPF, TERRY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
PHARES, BRENT INSTITUTE FOR TRANSPORTATION-VPR/ED
NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

$10,000 DEPARTMENT OF AGRICULTURE, ARS

106623 Research Support Agreement

10/1/09 to 9/30/10 RESEARCH
LEWIS, LES ENTOMOLOGY-AES/CALS

$9,965 UNIVERSITY OF MINNESOTA

97821 Incorporating Native Prairies into Working Farm Landscapes

9/1/09 to 8/31/11 RESEARCH
LIEBMAN, MATTHEW AGRONOMY-CALS
JARCHOW, MEGHANN AGRONOMY-CALS
HEATON, EMILY AGRONOMY-AES

$9,600 GROW IOWA FOUNDATION

105768 Implementation Support for BuyIowaOnline.com

11/12/09 to 1/31/10 EXTENSION/PUBLIC
BORICH, TIMOTHY EXTENSION COMMUNITY & ECONOMIC DEVELOPMENT-EXT

$6,000 DEPARTMENT OF EDUCATION

105117 Teacher Education Assistance for College and Higher Education (TEACH) Grant, FY10

7/1/09 to 6/30/10 STUDENT FINANCIAL AID
JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA
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$5,733 ECLIPSE, INC
Project Title: CO/H2/CH4 Fuel Combustion Properties
1/4/10 to 5/14/10 RESEARCH
MEYER, TERRENCE MECHANICAL ENGINEERING-ENGR

$5,576 FARMERS COOPERATIVE COMPANY
Evaluation of the Effect of Decreasing the Standard Deviation of Particle Size in Ground Corn
1/4/10 to 2/28/10 RESEARCH
PATIENCE, JOHN ANIMAL SCIENCE-AES/CALS
KRENNRICH, JULIENNE INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VP

$5,466 GREAT PLAINS DIESEL TECHNOLOGIES
Programmable Diesel Fuel Injector Speed Demonstrator Prototype, Test of Transducer Displacement with Respect to Time and Current
1/11/10 to 4/30/10 RESEARCH
FAIDLEY, LEANN MECHANICAL ENGINEERING-ENGR
MUFF, BRIAN INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VP

$5,291 POLK COUNTY AGRICULTURAL EXTENSION DISTRICT
Emerging Leader's Initiative After-school Program
7/1/09 to 11/30/09 EXTENSION/PUBLIC
PETERSON, MARC EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$5,245 EVOLSWING, LLC
Animation of the "EvolSwing" Concept
1/4/10 to 3/31/10 RESEARCH
CALL, ANSON ART & DESIGN-DSN
KRENNRICH, JULIENNE INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VP

$5,100 AMERICAN COLLEGE OF VETERINARY INTERNAL MEDICINE
Real-time RT-QPCR for Detection of Equine Infectious Anemia Virus
1/1/08 to 8/31/09 RESEARCH
SPONSELLER, BRETT VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$5,062 LUTHERAN SERVICES IN IOWA

105292 Local Support for Iowa AmeriCorps State of Promise Program

9/19/09 to 8/31/10 EXTENSION/PUBLIC
BROSHAR, DON
EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$5,000 OFFICE OF NAVAL RESEARCH

79248 Novel Therapies for Pneumonic Plague Targeting Quorum Sensing Components

9/26/06 to 9/30/11 RESEARCH
MINION, FRANK
WANNEUEHLER, MICHAEL
PHILLIPS, GREGORY
NORDMAN, DANIEL
NARASIMHAN, BALAJI
RAJAN, KRISHNA

VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE
VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE
STATISTICS
CHEMICAL & BIOLOGICAL ENGINEERING
MATERIALS SCIENCE & ENGINEERING

$5,000 EMERSON ELECTRIC COMPANY

104432 Naturally Controlled Gelatinization of Corn Starch

7/1/09 to 6/30/10 RESEARCH
GREWELL, DAVID
AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

$4,250 IOWA DEPARTMENT OF PUBLIC HEALTH

106020 IDPH Safe Route Mapping

10/1/09 to 5/30/10 RESEARCH
SEEGE, CHRISTOPHER
JENSEN, ALAN

LANDSCAPE ARCHITECTURE-DSN
EXTENSION COMMUNITY & ECONOMIC DEVELOPMENT-EXT

$3,775 UNITED ACTION FOR YOUTH

105739 Local Support for Iowa AmeriCorps State of Promise Program

9/1/09 to 8/31/10 EXTENSION/PUBLIC
BROSHAR, DONNIE
EXTENSION 4-H YOUTH DEVELOPMENT-EXT
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### January 01 - 31, 2010

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<td>BROSHAR, DON</td>
<td>EXTENSION 4-H YOUTH DEVELOPMENT-EXT</td>
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