II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$1,726,347 DEPARTMENT OF ENERGY
Operating and Management Support for the Ames Laboratory
KING, ALEXANDER
11/1/08 to 9/30/09 RESEARCH
AMES LABORATORY

$774,669 DEPARTMENT OF COMMERCE
Iowa Manufacturing Technology Center
COX, RONALD
2/1/09 to 6/30/09 EXTENSION/PUBLIC
CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT

$643,589 DEPARTMENT OF ENERGY
Operating and Management Support for the Ames Laboratory
KING, ALEXANDER
11/1/08 to 9/30/09 RESEARCH
AMES LABORATORY

$418,448 FEDERAL AVIATION ADMINISTRATION
Quantifying, Optimizing and Evaluating the Detection of Flaws from Image-Based Data
BRASCHE, LISA
THOMPSON, R.
MEEKER, WILLIAM
4/1/09 to 3/31/11 RESEARCH
CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
MATERIALS SCIENCE & ENGINEERING-ENGR
STATISTICS-LAS

$407,138 NATIONAL SCIENCE FOUNDATION
When Ecphory Fails: Secondary Processes in Eyewitness Identification
WELLS, GARY
7/1/09 to 6/30/13 RESEARCH
PSYCHOLOGY-LAS

$325,579 NATIONAL INSTITUTES OF HEALTH
Regulation of T Cell Signaling: Structural Studies of PLCG1
ANDREOTTI, AMY
5/1/08 to 4/30/10 RESEARCH
BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$299,964 NATIONAL SCIENCE FOUNDATION
REU Site: Summer Program for Interdisciplinary Research and Education: Emerging Interface Technologies

96095
5/1/09 to 4/30/12
RESEARCH
GILBERT, STEPHEN
OLIVER, JAMES
WINER, ELIOT

INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED
MECHANICAL ENGINEERING-ENGR
MECHANICAL ENGINEERING-ENGR

$299,200 OFFICE OF NAVAL RESEARCH
Acquisition of Magnetron Sputtering Systems for Synthesia and Development of Novel Alloys

96168
4/15/09 to 4/14/10
EQUIPMENT
GLEESON, BRIAN

MATERIALS SCIENCE & ENGINEERING-ENGR

$285,208 NATIONAL INSTITUTES OF HEALTH
Neuroprotective Strategies in Parkinson's Disease

71965
4/1/09 to 3/31/10
RESEARCH
KANTHASAMY, ANUMANtha

BIOMEDICAL SCIENCES

$270,000 HAWKEYE RENEWABLES, LLC
Clean Gasification Platform for Renewable Power, Energy and Ethanol from Biomass

98554
11/12/08 to 2/2/11
RESEARCH
KONG, SONG-CHARNG
BROWN, ROBERT
LIN, SHANG-YI
JONES, SAMUEL

MECHANICAL ENGINEERING-ENGR
MECHANICAL ENGINEERING-ENGR
CHEMISTRY-LAS
CENTER FOR SUSTAINABLE ENVIRONMENTAL TECHNOLOGIES - IPRT-VPR/ED

$225,000 FEDERAL AVIATION ADMINISTRATION
Nondestructive Inspection Research of Composite Materials Used on the Commercial Fleet: Infrared Imaging for Defect Detection in Aircraft Structures Using Chaotic and Broadband Sound Excitation

92785
3/20/10 to 9/30/10
RESEARCH
BRASCHE, LISA

AIRWORTHINESS ASSURANCE CENTER OF EXCELLENCE-IRPT-VPR/ED

$205,652 OFFICE OF NAVAL RESEARCH
Understanding Competitive Kinetics and Systems Thermodynamics to Guide the Development of Improved Next-Generation y-Ni+y'-Ni3Al-Based Bond Coating for Advanced Thermal Barrier Coating Systems

84347
12/1/06 to 11/30/09
RESEARCH
GLEESON, BRIAN

MATERIALS SCIENCE & ENGINEERING
April 01 - 30, 2009

## Gifts, Grants, Contracts and Memoranda of Agreement

### Office of Naval Research

**$205,652**

Understanding Competitive Kinetics and Systems Thermodynamics to Guide the Development of Improved Next-Generation y-Ni+y'-Ni3Al-Based Bond Coating for Advanced Thermal Barrier Coating Systems

12/1/06 to 11/30/09 RESEARCH

**CO-PI**

SORDELET, DANIEL

MATERIALS SCIENCE & ENGINEERING

### Environmental Protection Agency

**$200,000**

A Market Feasibility Assessment for a Reverse Auction in the Walnut Creek Watershed

4/1/09 to 3/31/11 RESEARCH

**CO-PI**

KLING, CATHERINE

ECONOMICS-CALS

GASSMAN, PHILIP

ECONOMICS-CALS

JHA, MANOJ

ECONOMICS-CALS

**$200,000**

A Market Feasibility Assessment for a Reverse Auction in the Boone Watershed

4/1/09 to 3/31/11 RESEARCH

**CO-PI**

KLING, CATHERINE

ECONOMICS-CALS

GASSMAN, PHILIP

ECONOMICS-CALS

JHA, MANOJ

ECONOMICS-CALS

**$200,000**

A Market Feasibility Assessment for Water Quality Trading and Reverse Auctions in the Raccoon River Watershed

4/1/09 to 3/31/11 RESEARCH

**CO-PI**

KLING, CATHERINE

ECONOMICS-CALS

GASSMAN, PHILIP

ECONOMICS-CALS

JHA, MANOJ

ECONOMICS-CALS

### Iowa State University Research Foundation

**$200,000**

Office of Intellectual Property and Technology Transfer Support

4/10/09 to 4/9/99 RESEARCH

**CO-PI**

QUISENBERRY, SHARRON

VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED
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<td>Federal Aviation Administration</td>
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<td>University of California-Davis</td>
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<td>North Central Soybean Research Program</td>
<td>Screening for Genetic Resistance Against Soybean Viruses</td>
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<td>80310</td>
<td>1/1/08 to 12/31/10</td>
<td>National Aeronautics and Space Admin.</td>
<td>Quantifying the Effect of Intercepted Precipitation and Dew on Terrestrial microwave Emission at L-Band</td>
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**CO-PIs:**
- Evans, James (Mathematics)
- Thiel, Patricia (Chemistry)
- Brasche, Lisa (Airworthiness Assurance Center of Excellence-IPRT-VPR/ED Center for Nondestructive Evaluation - IPRT-VPR/ED)
- Hsu, David (Center for Nondestructive Evaluation - IPRT-VPR/ED)
- Barnard, Dan (Center for Nondestructive Evaluation - IPRT-VPR/ED)
- Marquis, Grace (Food Science & Human Nutrition-HS)
- Whitham, Steven (Plant Pathology-CALS)
- Hill, John (Plant Pathology-CALS)
- Hornbuckle, Brian (Agronomy)
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$129,423 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Quantifying the Effect of Intercepted Precipitation and Dew on Terrestrial Microwave Emission at L-Band
1/1/08 to 12/31/10 RESEARCH
CO-PI GLEASON, MARK PLANT PATHOLOGY

$129,258 NATIONAL SCIENCE FOUNDATION
Surface Plasmon Resonance Spectroscopy by Tunable Enhanced Light Transmission Through Nanostructured Gratings
7/1/08 to 6/30/10 RESEARCH
HILLIER, ANDREW CHEMICAL & BIOLOGICAL ENGINEERING

$125,000 UNITED SOYBEAN BOARD
Development of High-Throughput DNA Based Gene Silencing Technology for Soybeans
3/20/08 to 5/31/10 RESEARCH
HILL, JOHN PLANT PATHOLOGY-CALS
CO-PI WHITHAM, STEVEN PLANT PATHOLOGY-CALS
CO-PI BAUM, THOMAS PLANT PATHOLOGY-CALS
CO-PI LEANDRO, LEONOR PLANT PATHOLOGY-CALS

$124,556 AGCO CORPORATION
Precision Pneumatic Fertilizer Delivery
5/18/09 to 5/17/11 RESEARCH
DARR, MATTHEW AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
HANNA, H. AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

$119,960 PIONEER HI-BRED INTERNATIONAL
Evaluating Effectiveness of Optimum™ AcreMax® Corn Rootworm Refuge Under Diverse Conditions
4/1/09 to 6/1/11 RESEARCH
GASSMANN, AARON ENTOMOLOGY-AES/CALS

$118,550 AGCO CORPORATION
Real-Time Active Droplet Size and Drift Control System
5/18/09 to 5/17/11 RESEARCH
HANNA, H. AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS
CO-PI STEWARD, BRIAN AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS


April 01 - 30, 2009

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$118,550  AGCO CORPORATION

**97025**  Real-Time Active Droplet Size and Drift Control System

5/18/09 to 5/17/11  RESEARCH

**CO-PI**  DARR, MATTHEW  AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS

$115,356  AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

**94450**  A Unifying High-Order Method for the Navier-Stokes Equations on Hybrid Unstructured Meshes

3/1/09 to 11/30/09  RESEARCH

**WANG, ZHI**  AEROSPACE ENGINEERING-ENGR

$103,080  NATIONAL SCIENCE FOUNDATION

**85686**  Statistical Graphics Research in Association with GGobi

4/9/09 to 5/31/10  RESEARCH

**CO-PI**  COOK, DIANNE  STATISTICS

**CO-PI**  HOFMANN, HEIKE  STATISTICS

$100,779  NATIONAL SCIENCE FOUNDATION

**96053**  REU Site: Biological Materials and Processes

5/1/09 to 4/30/10  RESEARCH

**CO-PI**  NARASIMHAN, BALAJI  CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

**CO-PI**  LAMM, MONICA  CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

$100,000  AMERICAN CHEMICAL SOCIETY, PETROLEUM RESEARCH FUND

**94374**  Benzobisazoles as Modular Building Blocks for Novel Organic Electronic Materials

5/1/09 to 8/31/11  RESEARCH

**JEFFRIES-EL, MALIKA**  CHEMISTRY-LAS

$96,725  NATIONAL PORK BOARD

**97167**  Using Objective Mechanical and Physiologic Measurements to Build Robust Producer Tools for Detecting, Scoring and Treating Lameness in Sows

5/1/09 to 5/1/10  RESEARCH

**CO-PI**  KARRIKER, LOCKE  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

**CO-PI**  STALDER, KENNETH  ANIMAL SCIENCE-CALS

**CO-PI**  BUTTERS-JOHNSON, ANNA  ANIMAL SCIENCE-CALS
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$94,226 INTEGRATED OCEAN DRILLING PROGRAM

96223 SEDIS Resource Architecture Reference Implementation

3/28/09 to 11/30/09 RESEARCH
CERVATO, CINZIA GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS

$92,335 UNITED STATES GEOLOGICAL SURVEY

97633 Iowa Water Center Annual Base Program 104(b)

3/1/09 to 2/28/10 RESEARCH
CRUSE, RICHARD AGRONOMY-CALS

$91,000 NATIONAL SCIENCE FOUNDATION

90767 REU Site: Materials Education and Research on Far-Form Equilibrium Materials, Processes, Structures, and Properties

4/13/09 to 3/31/10 RESEARCH
MARTIN, STEVE MATERIALS SCIENCE & ENGINEERING

$89,398 NATIONAL SCIENCE FOUNDATION

91589 Galfacts Full-Stokes Studies of SNRs and Hll Regions

7/1/08 to 6/30/10 RESEARCH
KERTON, CHARLES PHYSICS & ASTRONOMY

$88,962 PURDUE UNIVERSITY

92043 SoyMapII: Leveraging Genetic Diversity in Soybean

3/1/09 to 2/28/10 RESEARCH
SHOEMAKER, RANDY AGRONOMY
LAMKEY, KENDALL AGRONOMY

$88,538 CITY OF FAIRFIELD

98336 Sustainable Communities Program Coordinator

4/1/09 to 3/31/12 EXTENSION/PUBLIC
BORICH, TIMOTHY COMMUNITY & REGIONAL PLANNING-EXT
HUNT, LOIS EXTENSION AREA - SOUTHEAST-EXT
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

### 88234

Collaborative Research on Soybean Cyst Nematode Parasitism Genes Between Pioneer Hi-Bred International and the University of Georgia, Iowa State University, North Carolina State University, and University of Missouri

- Amount: $87,875
- Start Date: 1/1/09
- End Date: 12/31/12
- Research
- **PI**: BAUM, THOMAS
- **Department**: PLANT PATHOLOGY

### 91005

Collaborative Research: A JML Community Infrastructure - Revitalizing Tools and Documentation to Aid Formal Methods Research

- Amount: $87,357
- Start Date: 9/28/07
- End Date: 6/30/10
- Research
- **PI**: BASU, SAMIK
- **CO-PIs**: RAJAN, HRIDESHEK, K
- **Department**: COMPUTER SCIENCE

### 98546

Development of the Advanced Systems Design Suite

- Amount: $77,272
- Start Date: 7/1/09
- End Date: 12/31/09
- Research
- **PI**: WINER, ELIOT
- **CO-PIs**: OLIVER, JAMES
- **Department**: MECHANICAL ENGINEERING-ENGR

### 93487

SBIR Phase II: Preparation and Characterization of Chalcogenide Glasses for Infrared Fiber for Conversion and Routing

- Amount: $73,800
- Start Date: 3/10/09
- End Date: 10/31/09
- Research
- **PI**: MARTIN, STEVE
- **Department**: MATERIALS SCIENCE & ENGINEERING-ENGR

### 97320

Improvement of Soybean Protein Content via Storage in Protein Bodies

- Amount: $66,687
- Start Date: 5/1/09
- End Date: 4/30/10
- Research
- **PI**: BASHAM, DIANE
- **Department**: GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS

### 98537

Enhancing Realism and Flexibility of VR-Based Real-Time Dynamic Simulation Framework with Operator and Hardware in-the-Loop

- Amount: $65,519
- Start Date: 7/1/09
- End Date: 12/31/09
- Research
- **PI**: KELKAR, ATUL
- **CO-PIs**: STEWARD, BRIAN
- **Department**: MECHANICAL ENGINEERING-ENGR
  AGRICULTURAL & BIOSYSTEMS ENGINEERING-ENGR
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

### 400-46-98

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I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

April 01 - 30, 2009

$57,629 DEERE AND COMPANY

Virtual Training, Assembly, and Maintenance Methods

7/1/09 to 12/31/09 RESEARCH

OLIVER, JAMES MECHANICAL ENGINEERING-ENGR

$54,615 IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP

Iowa Learning Farms 2009 Cover Crop Working Group

1/1/09 to 12/31/09 EXTENSION/PUBLIC

DEWITT, JERALD AGRONOMY-EXT

AL-KAISSI, MAHDI AGRONOMY-EXT

$51,355 IOWA DEPARTMENT OF TRANSPORTATION

Application of Visualization and Simulation Program to Improve Work Zone Safety and Mobility

4/1/09 to 2/28/10 RESEARCH

STRONG, KELLY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

JASELSKIS, EDWARD CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

JAHREN, CHARLES CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

KANDIL, AMR CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

NAMBISAN, SHASHI CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED

$51,134 NATIONAL INSTITUTES OF HEALTH, NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT

Physical Activity Monitoring in Prepubescent Children

11/1/08 to 2/28/10 RESEARCH

LANNINGHAM-FOSTER, LORRAINE FOOD SCIENCE & HUMAN NUTRITION-HS

$50,000 IOWA DEPARTMENT OF TRANSPORTATION

Development and Field Evaluation of a Prototype Tool to Detect and Identify Left Turning Vehicles

3/15/09 to 9/30/10 RESEARCH

HAWKINS, NEAL CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED

SMADI, OMAR CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED

NAMBISAN, SHASHI CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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$41,000 KIRKWOOD COMMUNITY COLLEGE
98025 Evaluation of Community College Summit Initiative Program
7/1/08 to 9/30/10 RESEARCH
KEMIS, MARI RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS

$40,882 ENVIROTECH SYSTEMS, INC
98744 Use of Recycled Tire Rubber for Biofiltration Media in On-Site Wastewater Treatment Systems
4/1/09 to 1/31/10 RESEARCH
ELLIS, TIMOTHY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
MUFF, BRIAN INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VP

$39,840 FEDERAL HIGHWAY ADMINISTRATION
97905 Technical Support for Two-Lift Paving Construction in Kansas
5/6/08 to 5/5/09 RESEARCH
CACKLER, ELLS CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED
NAMBIAN, SHASHI CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED

$39,839 NATIONAL PORK BOARD
97190 Effect of Temperature and Relative Humidity on UV Inactivation of Airborne Viral Pathogens
5/2/09 to 5/1/10 RESEARCH
ZIMMERMAN, JEFFREY VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
HOFF, STEVEN AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS

$38,947 NATIONAL SCIENCE FOUNDATION
91122 Collaborative Research: Dynamic Mode High Density Probe Based Data Storage
4/28/09 to 5/31/10 RESEARCH
RAMAMOORTHY, ADITYA ELECTRICAL & COMPUTER ENGINEERING

$38,816 PACIFIC NORTHWEST NATIONAL LABORATORY
97659 A Test Bed for the Integrated Experimental Study of Retail and Wholesale Power Market Designs
4/10/09 to 6/30/10 RESEARCH
TESFATSON, LEIGH ECONOMICS-LAS
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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<td>5/30/06 to 6/30/10</td>
<td>Research</td>
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<td>Effect of Selection for Feed Efficiency During the Growing Period on Sow Feed Efficiency and Reproductive Performance 5/2/09 to 5/1/10 RESEARCH DEKKERS, JACK ANIMAL SCIENCE-CALS CO-PI PATIENCE, JOHN ANIMAL SCIENCE-CALS</td>
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<td>98497</td>
<td>$29,600</td>
<td>PFIZER ANIMAL HEALTH</td>
<td>Interactions of Two-Desoxparaherquamide and Unknown Compound in Nematode Parasite Preparations 4/1/09 to 4/1/10 RESEARCH MARTIN, RICHARD BIOMEDICAL SCIENCES-VET CO-PI ROBERTSON, ALAN BIOMEDICAL SCIENCES-VET</td>
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<td>97195</td>
<td>$29,042</td>
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<td>Epidemiology of Porcine Pestivirus and Torque Teno Virus in Wean-To-Finish Pigs 5/2/09 to 5/1/10 RESEARCH ZIMMERMAN, JEFFREY VETERINARY DIAGNOSTIC &amp; PRODUCTION ANIMAL MEDICINE-VET</td>
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<td>99105</td>
<td>$26,760</td>
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<td>Research Support Agreement 4/15/09 to 9/30/09 RESEARCH ANDREASEN, CLAIRE VETERINARY PATHOLOGY-VET</td>
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<td>95647</td>
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<td>IOWA DEPARTMENT OF EDUCATION</td>
<td>Evaluation of Iowa Learning Technology Commission 1/11/07 to 6/30/09 RESEARCH PHYE, GARY CURRICULUM &amp; INSTRUCTION-HS</td>
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I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$25,000  IOWA PORK PRODUCERS ASSOCIATION

98387  Development of Employee Management Course and Workshop for Swine Science Online Curriculum

1/1/09 to 12/31/09  EXTENSION/PUBLIC
MEISINGER, DAVID  AGRICULTURE ADMINISTRATION-AES/CALS

$25,000  XM COMPANIA DE EXPERTOS EN MERCADOS S.A. E.S.P.

98584  XM-Electrical Power Research Center

1/1/09 to 12/31/09  RESEARCH
BAIRD, TOM  ELECTRICAL & COMPUTER ENGINEERING-ENGR

$25,000  IOWA STATE UNIVERSITY RESEARCH FOUNDATION

98659  Control System for Colonoscopy

3/1/09 to 2/28/10  RESEARCH
WONG, JOHNNY  COMPUTER SCIENCE-LAS
TAVANAPONG, WALLAPA  COMPUTER SCIENCE-LAS

$24,797  NATIONAL INSTITUTES OF HEALTH

80848  Histone Modifications and Higher-Order Chromatin Structure

2/1/09 to 1/31/10  RESEARCH
SHOGREN-KNAAK, MICHAEL  BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY

$24,351  IOWA SOYBEAN ASSOCIATION

98813  Informing the Cooperative Conservation Framework for Improving Watershed Health: An Operator and Landowner Survey in Five HUC 12 Watersheds

5/1/09 to 9/30/09  EXTENSION/PUBLIC
ARBUCKLE, J.  SOCIOLOGY-EXT

$23,800  UNIVERSITY OF IOWA

98068  The Effectiveness of Smoking Cessation Guidelines in the Emergency Department

11/8/08 to 6/30/09  RESEARCH
ANDERSON, DIANNE  CENTER FOR SURVEY STATISTICS & METHODOLOGY-VPR/ED
April 01 - 30, 2009

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$23,000 VETERANS ADMINISTRATION CENTER - IOWA CITY

84162 Growth Factor Treatment of Visual Loss in Compressive Optic Nerve Injury

4/1/09 to 9/30/09 RESEARCH
GROZDANIC, SINISA
SAKAGUCHI, DONALD

CO-PI VETERINARY CLINICAL SCIENCES GENETICS, DEVELOPMENT & CELL BIOLOGY

$21,000 NORTHWEST AREA FOUNDATION

98356 Rural Family Economic Success Institute

3/30/09 to 3/31/10 EXTENSION/PUBLIC
WARNING, JEANNE
FLETCHER, CYNTHIA
FREEMAN, RUTH

CO-PI EXTENSION TO FAMILIES-EXT HUMAN DEVELOPMENT & FAMILY STUDIES-EXT EXTENSION AREA - CENTRAL-EXT

$20,881 UNIVERSITY OF CALIFORNIA

84202 Assimilation of Modis Snow Cover Products into Hydrologic Forecast Models

1/30/08 to 1/29/10 RESEARCH
FRANZ, KRISTIE

GEOLOGICAL & ATMOSPHERIC SCIENCES

$20,000 IOWA DEPARTMENT OF HUMAN SERVICES

98598 Service Training Contract Amendment 3

7/1/08 to 6/30/09 EXTENSION/PUBLIC
LEMPERS, JACOBUS

HUMAN DEVELOPMENT & FAMILY STUDIES-HS

$20,000 DOW AGROSCIENCES

98632 Evaluation of a New Formulation of Nitrapyrin

4/24/09 to 4/24/11 RESEARCH
KILLORN, RANDY

AGRonomy-AES/CALS

$18,720 MINNESOTA DEPARTMENT OF TRANSPORTATION

97723 Minnesota Local Agency Pavement Marking Practices-Phase I

4/9/09 to 12/31/09 RESEARCH
SMADI, OMAR

HAWKINS, NEAL

CO-PI CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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$13,020  BIOTECHNOLOGY RESEARCH DEVELOPMENT CORPORATION
98131  Avirulent Gene-Deleted Strains of Mycoplasma Bovis for Modified Live Vaccine Use with an extension of time
7/1/08 to 9/30/09  RESEARCH
ROSENBUSCH, RICARDO  VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

$12,000  NATIONAL SCIENCE FOUNDATION
98824  REU Supplement for an Ongoing National Science Foundation Research Project
4/27/09 to 12/31/10  RESEARCH
SHROTRIYA, PRANAV  MECHANICAL ENGINEERING-ENGR

$11,400  NATIONAL SCIENCE FOUNDATION
97924  LTREB: Long-Term Research on Environmental Gender Determination in a Model System
3/15/07 to 2/28/10  RESEARCH
JANZEN, FREDRIC  ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-CALS

$10,700  IOWA TURKEY FEDERATION
93793  Economic Impact of the Iowa Turkey Federation
4/1/07 to 9/30/08  RESEARCH
LAWRENCE, JOHN  ECONOMICS-CALS
OTTO, DANIEL  ECONOMICS-CALS

$10,000  COLUMBIA UNIVERSITY
78375  Collaborative Research: Ultrafast Laser Characterization and Nanostructuring of Microphotonic Sensors
1/1/05 to 9/30/09  RESEARCH
MOLIAN, PALANIAPPA  MECHANICAL ENGINEERING

$10,000  IOWA TURKEY FEDERATION
91464  Matching Support for a CIG Grant: Development of a National Air Quality Self Assessment Tool for Livestock and Poultry Producers
1/1/08 to 12/31/10  EXTENSION/PUBLIC
HARMON, JAY  AGRICULTURAL & BIOSYSTEMS ENGINEERING
RIEK-HINZ, ANGELA  AGRONOMY
ARORA, KAPIL  EXTENSION TO AGRICULTURE
BRENNEMAN, LOWELL  EXTENSION TO AGRICULTURE
SHOUSE, SHAWN  COOPERATIVE EXTENSION FIELD PROGRAM
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$10,000 IOWA TURKEY FEDERATION

91464 Matching Support for a CIG Grant: Development of a National Air Quality Self Assessment Tool for Livestock and Poultry Producers

1/1/08 to 12/31/10 EXTENSION/PUBLIC

CO-PI KOHL, KRIS COOPERATIVE EXTENSION FIELD PROGRAM

$9,650 NATIONAL SCIENCE FOUNDATION

97931 RET: Gene Expression Response to Naturally Fluctuating Temperature in Turtles with Alternative Sex Determining Mechanisms

4/17/09 to 2/28/10 RESEARCH

VALENZUELA-CASTRO, MARIA ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

$9,486 STANLEY CONSULTANTS, INC

98128 Northwest Area Priority Sanitary Sewer Route Study

2/1/09 to 8/1/09 RESEARCH

WAGNER, MIMI LANDSCAPE ARCHITECTURE-DSN

$9,000 NATIONAL SCIENCE FOUNDATION

98549 CAREER: Ultrasound Histotripsy System Development to Improve Cancer Treatment

4/24/09 to 4/30/12 RESEARCH

BIEGLOW, TIMOTHY ELECTRICAL & COMPUTER ENGINEERING-ENGR

$8,643 NATIONAL SCIENCE FOUNDATION

98466 Collaborative Research: Oxidative Stress, Telomere Dynamics and Aging in a Free-Living Organism

4/1/08 to 3/31/10 RESEARCH

CO-PI VLECK, CAROL ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

VLECK, DAVID ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

$7,900 AMERICAN JERSEY CATTLE ASSOCIATION

97270 Enhancing the Healthfulness and Marketability of Milk from Jersey Cattle

4/1/09 to 3/31/10 RESEARCH

BEITZ, DONALD ANIMAL SCIENCE-CALS
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<td>The Use of Agents in Recruiting Chinese Undergraduates</td>
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<td>Extension of Codification of Minimum Spiral Reinforcement Requirements for Prestressed Concrete Piles in High Seismic Regions</td>
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$5,145  BUTLER COUNTY RURAL ENERGY COOPERATIVE
98287  Phase 1 Archaeological Survey for Thirteen Segments of Overhead Line
2/26/09 to 6/30/09  EXTENSION/PUBLIC
HILL, MATTHEW  ANTHROPOLOGY-LAS

$5,000  PELLA CORPORATION
98445  World Class Logistics Assessment
3/23/09 to 6/30/09  RESEARCH
MIN, KYUNG  INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR
CO-PI MUMM, LYNNE  INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED

$4,020  IOWA DEPARTMENT OF PUBLIC HEALTH
98642  Iowans Fit for Life Intervention Study
9/1/08 to 6/30/09  RESEARCH
WELK, GREGORY  KINESIOLOGY-HS

$4,000  AUBURN UNIVERSITY
98163  Iowa Healthy Homes Project
7/1/08 to 6/30/10  EXTENSION/PUBLIC
YEARNS, MARY  HUMAN DEVELOPMENT & FAMILY STUDIES-EXT
CO-PI BEAVERS, EVELYN  EXTENSION TO FAMILIES-EXT

$3,762  CORNELL UNIVERSITY
93679  Coordinated Wine Grape Variety Evaluations in the Eastern United States, Iowa
9/1/08 to 6/30/10  RESEARCH
DOMOTO, PAUL  HORTICULTURE-CALS

$3,000  CORPORATION FOR ECONOMIC DEVELOPMENT
98794  Corporation for Economic Development
4/9/09 to 4/9/10  EXTENSION/PUBLIC
HECKMANN, JAMES  SMALL BUSINESS DEVELOPMENT CENTER-BUS
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<td>Determining Postfledging Survival and Habitat Use in Grasshopper Sparrows</td>
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<td>Genetic Diversity and Connectivity of White-Tailed Jackrabbit Populations in Iowa with Notes on Seasonal Home Ranges</td>
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<td>Best Practices Safety Guide for Local Rural Agencies</td>
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