I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

March 01 - 31, 2010

$2,061,333  DEPARTMENT OF ENERGY

93016  Operating and Management Support for the Ames Laboratory

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

$741,457  SMALL BUSINESS ADMINISTRATION

104083  Iowa Small Business Development Center FY2010 Small Business Administration Cooperative Agreement

10/1/09 to 9/30/10  EXTENSION/PUBLIC
HECKMANN, JAMES  SMALL BUSINESS DEVELOPMENT CENTER-BUS

$617,012  NATIONAL SCIENCE FOUNDATION

97619  The Functional Interactome of Cereals with the Fungal Biotroph, blumeria graminis

3/15/10 to 2/28/11  RESEARCH
WISE, ROGER  PLANT PATHOLOGY-CALS
BOGDANOVE, ADAM  PLANT PATHOLOGY-CALS
NETTLETON, DANIEL  STATISTICS-LAS
DICKERSON, JULIE  ELECTRICAL & COMPUTER ENGINEERING-ENGR
LESHEM-ACKERMAN, ADAH  ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

$500,000  IOWA DEPARTMENT OF TRANSPORTATION

106452  Development of a Structural Health Monitoring System to Evaluate Structural Capacity and Estimate Remaining Service Life for Bridges

3/1/10 to 2/28/15  RESEARCH
PHARES, BRENT  INSTITUTE FOR TRANSPORTATION-VPR/ED
WIPF, TERRY  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
NAMBISAN, SHASHI  INSTITUTE FOR TRANSPORTATION-VPR/ED

$492,875  NATIONAL INSTITUTES OF HEALTH

81332  Exercise-induced Immunomodulation in the Aged: Mechanisms

3/1/10 to 2/28/11  RESEARCH
KOHUT, MARIAN  KINESIOLOGY
WANNEMUEHLER, MICHAEL  VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE
BUSS, JANICE  BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY
YOOON, KYOUNG-JIN  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE
CUNNICK, JOAN  ANIMAL SCIENCE
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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<td>Development of Pulmonary Immunocompetency: Focus on the Neonate</td>
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<td>The Physiological Basis of Differences in Efficiency, Metabolics, and Energy Partitioning Between Lines of Pigs Selected for Residual Feed Intake</td>
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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$349,421 DEPARTMENT OF AGRICULTURE, NIFA
104178 The Physiological Basis of Differences in Efficiency, Metabolics, and Energy Partitioning Between Lines of Pigs Selected for Residual Feed Intake
4/1/10 to 3/31/13 RESEARCH
CO-PI DEKKERS, JACK ANIMAL SCIENCE-AES/CALS
CO-PI LONERGAN, STEVEN ANIMAL SCIENCE-AES/CALS
CO-PI PATIENCE, JOHN ANIMAL SCIENCE-AES/CALS

$339,647 DEPARTMENT OF AGRICULTURE, NIFA
106416 Food and Agricultural Policy Research Institute (FAPRI)
7/1/10 to 6/30/12 RESEARCH
CO-PI HAYES, DERMOT ECONOMICS-AES/CALS
CO-PI FABIOSA, JACINTO ECONOMICS-AES/CALS

$266,500 UNIVERSITY OF NORTHERN IOWA
105836 Mathematics and Science Teachers for Iowa
6/1/09 to 5/15/14 RESEARCH
CO-PI GREENBOWE, THOMAS CHEMISTRY-LAS

$266,386 NATIONAL INSTITUTES OF HEALTH
98874 Strategies of Lentivirus Persistence
2/1/10 to 1/31/11 RESEARCH
CO-PI CARPENTER, SUSAN ANIMAL SCIENCE-AES/CALS
CO-PI DORMAN, KARIN STATISTICS-LAS

$250,000 NATIONAL SCIENCE FOUNDATION
104330 CAREER: A Computational Framework for Mapping Ligand Migration Channel Networks and Predicting Molecular Control Mechanisms
3/1/10 to 2/29/12 RESEARCH
CO-PI SONG, GUANG COMPUTER SCIENCE-LAS

$247,677 NATIONAL INSTITUTES OF HEALTH
85345 Modulation and Resistance of Levamisole Receptor Channels
1/1/10 to 12/31/10 RESEARCH
CO-PI MARTIN, RICHARD BIOMEDICAL SCIENCES
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$230,000 NATIONAL SCIENCE FOUNDATION

104276 Uncovering Novel Signaling Interactions in Plant Metabolic Networks

4/1/10 to 3/31/11 RESEARCH

WURTELE, EVE

CO-PI

LI, LING

CO-PI

SEN, TANER

CO-PI

GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS

PLANT SCIENCES INSTITUTE-VPR/ED

GENETICS, DEVELOPMENT & CELL BIOLOGY-AES/CALS

$200,000 AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

92859 Design and Development of Novel Hierarchically Ordered Block Copolymer/Magnetoelectric Particle Nanocomposites

12/1/09 to 11/30/10 RESEARCH

LIN, ZHIQUN

CO-PI

AKINC, MUFIT

CO-PI

TAN, XIAOLI

CO-PI

BOWLER, NICOLA

CO-PI

MATERIALS SCIENCE & ENGINEERING-ENGR

MATERIALS SCIENCE & ENGINEERING-ENGR

MATERIALS SCIENCE & ENGINEERING-ENGR

MATERIALS SCIENCE & ENGINEERING-ENGR

$196,839 NATIONAL INSTITUTES OF HEALTH

105761 Targeting GP41 to Elicit Neutralizing Antibodies Against HIV-1

9/16/09 to 4/30/10 RESEARCH

CHO, MICHAEL

CO-PI

BIOMEDICAL SCIENCES-VET

$185,000 NATIONAL INSTITUTES OF HEALTH

99816 Development of a Novel Porcine Model of Duchenne Muscular Dystrophy

3/15/10 to 1/31/11 RESEARCH

ROSS, JASON

CO-PI

SELSBY, JOSHUA

CO-PI

ANIMAL SCIENCE-AES/CALS

ANIMAL SCIENCE-AES/CALS

$184,818 DEPARTMENT OF THE AIR FORCE, AFOSR

86496 Theoretical Studies of Group IVA and Group IVB Chemistry

12/1/09 to 11/30/10 RESEARCH

GORDON, MARK

CO-PI

CHEMISTRY

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

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106410 A Federal and State Transport Plan for Movement of Turkeys from Turkey Farms in a High Pathogenicity Avian Influenza Control Area to Processing Plants: A FAST Turkeys Plan
2/26/10 to 2/25/11 EXTENSION/PUBLIC
TRAMPEL, DARRELL VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VE
ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VE

$180,000 SPECTRAL ENERGIES, LLC
104904 Ultrafast Diagnostics for Novel Energetic Materials
1/1/10 to 12/31/11 RESEARCH
MEYER, TERRENCE MECHANICAL ENGINEERING-ENGR

$162,383 DEPARTMENT OF EDUCATION
105118 Pell Grant, FY10
7/1/09 to 6/30/10 STUDENT FINANCIAL AID
JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA

$162,264 ARMY CORPS OF ENGINEERS
106825 Water Quality Study, Saylorville Reservoir (Option Year 1)
3/1/10 to 12/31/10 RESEARCH
LUTZ, DONNA CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
ONG, SAY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

$150,843 IOWA DEPARTMENT OF TRANSPORTATION
106194 Timber Abutment Piling and Back Wall Rehab and Repair
3/1/10 to 2/28/12 RESEARCH
PHARES, BRENT INSTITUTE FOR TRANSPORTATION-VPR/ED
WHITE, DAVID CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

$150,000 DEFENSE THREAT REDUCTION AGENCY
96622 Search for New Highly Energetic Phases Under High Pressure and Shear
5/4/09 to 5/3/12 RESEARCH
LEVITAS, VALERY MECHANICAL ENGINEERING-ENGR
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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412

$149,980 UNIVERSITY OF MISSOURI

106165 Effectiveness of Riparian Forest Buffers in Headwater Watersheds of the Western Corn Belt Ecoregion in Regulating Non-point Source Pollution

9/1/09 to 8/31/10 RESEARCH

SCHULTZ, RICHARD

NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

ISENHART, THOMAS

NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

$148,000 NATIONAL INSTITUTES OF HEALTH

104088 Amygdalar Modulation of Processing in Auditory Cortex

3/1/10 to 2/28/11 RESEARCH

PETERTSON, DIANA

BIOMEDICAL SCIENCES-VET

$148,000 NATIONAL INSTITUTES OF HEALTH

105224 The Virtue of Mercy: Religion, Philosophy, and Politics

3/1/10 to 2/29/12 RESEARCH

TUCKNESS, ALEX

POLITICAL SCIENCE-LAS

$135,000 NATIONAL SCIENCE FOUNDATION

96309 Novel Intermetallic Chemistry: Approximants, Quasicrystals, and Rare-earth Metal-rich Systems

5/15/09 to 4/30/11 RESEARCH

CORBETT, JOHN

CHEMISTRY-LAS

$121,122 AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

92727 On the Simulation of Free Flight Vortices in Ground Test Facilities

12/1/09 to 12/30/10 RESEARCH

HU, HUI

AEROSPACE ENGINEERING-ENGR

DURBIN, PAUL

AEROSPACE ENGINEERING-ENGR

$118,554 AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

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

12/1/09 to 11/30/10 RESEARCH

WANG, ZHI

AEROSPACE ENGINEERING-ENGR
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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<td>Effects of Long-term Supplementation of Laying-hen Diets with High Concentrations of Cholecalciferol on Egg Yolk Vitamin D Concentration, Egg Quality, Hen Performance and Hen Health</td>
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**Co-PIs:**
- LU, Ping
- Maxwell, Gregory
- Peters, Frank
- Nelson, Ron
- Zhang, Ting
- Persia, Michael
- Wang, Tong
- Lamont, Susan
- Beitz, Donald
- Xin, Hongwei
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$93,411 UNIVERSITY OF MARYLAND

91303 Fuselage Configuration Effects on Rotorwash and Brownout

8/1/08 to 12/31/10 RESEARCH AEROSPACE ENGINEERING
RAJAGOPALAN, R.

$92,335 DEPARTMENT OF INTERIOR, GEOLOGICAL SURVEY

106318 Iowa Water Center Annual Base Program 104(b)

3/1/10 to 2/28/11 RESEARCH AGRONOMY-AES/CALS
CRUSE, RICHARD

$90,000 ARIZONA STATE UNIVERSITY

98201 Power System Operation and Planning for Enhanced Wind Generation Penetration—Work Force Development

12/1/09 to 11/30/11 RESEARCH ELECTRICAL & COMPUTER ENGINEERING-ENGR
MCCALLEY, JAMES CO-PI
AJJARAPU, VENKATARAMANA CO-PI
ALIPRANTIS, DIONYSIS CO-PI

$84,000 PURDUE UNIVERSITY

91353 Spray and Combustion of Gelled Hypergolic Propellants

6/1/08 to 5/31/11 RESEARCH MECHANICAL ENGINEERING
MEYER, TERRENCE

$82,750 AMERICAN SEED TRADE ASSOCIATION

106054 Review of the National Seed Health System Standard Method for Detection of pantoea stewartii and Investigation of New pantoea Strains from Tropical Regions

9/1/09 to 9/30/11 RESEARCH PLANT PATHOLOGY-AES/CALS
MUNKVOLD, GARY

$81,249 NATIONAL SCIENCE FOUNDATION

90177 Collaborative Research: Oxidative Stress, Telomere Dynamics and Aging in a Free-living Organism

4/1/08 to 3/31/11 RESEARCH ECOLOGY, EVOLUTION & ORGANISIMAL BIOLOGY
VLECK, CAROL CO-PI
VLECK, DAVID CO-PI
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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<td>Application of Biotechnology to Control of the Soybean Cyst Nematode Subgroup: Soybean Resistance Genes</td>
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<td>Optimization of the Amana Farm Digester and Development of Educational Programming</td>
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<td>Reducing Risk for Children of Mexican Immigrant Mothers: Adapting a Mother-child Communication Program</td>
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Note: The table format is used to present the information in a clear and organized manner, making it easier to read and understand.
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$48,380 NATIONAL INSTITUTES OF HEALTH
Strategies of Lentivirus Persistence
2/1/10 to 1/31/11 RESEARCH
CARPENTER, SUSAN ANIMAL SCIENCE-AES/CALS
DORMAN, KARIN STATISTICS-LAS

$47,180 IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT
Disaster Loan Assistance
7/29/09 to 7/28/10 EXTENSION/PUBLIC
HECKMANN, JAMES BUSINESS ADMINISTRATION-BUS

$47,108 FLORIDA STATE UNIVERSITY
Taking the Lead in Community Wellness: Improving Dietary Behaviors of Mid-life and Older African Americans
6/3/08 to 1/31/11 RESEARCH
WICKRAMA, K. HUMAN DEVELOPMENT & FAMILY STUDIES

$46,930 DEPARTMENT OF AGRICULTURE, FS
Distribution and Intensification of Bur Oak Blight in Iowa and the Midwest
1/1/10 to 12/31/10 RESEARCH
HARRINGTON, THOMAS PLANT PATHOLOGY-AES/CALS

$46,485 AMERICAN EGG BOARD
Characterizing the Carbon Footprint of U.S. Egg Production Using Life Cycle Assessment
1/1/10 to 12/31/10 RESEARCH
XIN, HONGWEI AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
IBARBURU-BLANC, MARO ANIMAL SCIENCE-AES/CALS

$45,000 PACIFIC NORTHWEST NATIONAL LABORATORY
Perform Numerical Simulations
2/18/10 to 9/30/10 RESEARCH
EWING, ROBERT AGRONOMY-AES/CALS
March 01 - 31, 2010

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$42,500 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

**99338** Intermediate Mass Star Formation–Bridging High and Low-mass Regimes

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

KERTON, CHARLES PHYSICS & ASTRONOMY-LAS

$41,492 NORTH DAKOTA STATE UNIVERSITY

**96893** Cover Crop Selection and Use in No-till Organic Farming

9/1/09 to 8/31/12 RESEARCH

DELADE, KATHLEEN AGRONOMY-CALS

$40,366 NATIONAL SCIENCE FOUNDATION

**105440** CAREER: On Mutualism of Modularity and Concurrency Goals

7/1/09 to 6/30/10 RESEARCH

RAJAN, HRIDESH COMPUTER SCIENCE-LAS

$40,000 ROBYT, JOHN

**104669** Chemical and Enzymatic Modification and Carbohydrates

7/1/09 to 6/30/99 RESEARCH

HONZATKO, RICHARD BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS

$39,991 MINNESOTA DEPARTMENT OF TRANSPORTATION

**105582** Pavement Marking Performance Under Challenging Pavement Surface Conditions—Chip Seals, Seal Coat, and Micro-surfacing

3/1/10 to 10/31/11 RESEARCH

HAWKINS, NEAL INSTITUTE FOR TRANSPORTATION-VPR/ED

SMADI, OMAR INSTITUTE FOR TRANSPORTATION-VPR/ED

NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

$37,897 DYNAPULSE, LLC

**105296** Characterization of Effects of Pulse Magnetic Treatment for Treating Conductive Material for Power Transmission and Related Application

12/1/09 to 12/1/11 RESEARCH

MINA, MANI ELECTRICAL & COMPUTER ENGINEERING-ENGR
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$35,000 ARIZONA STATE UNIVERSITY

105710 Power Systems Engineering Research Center (PSERC) Administrative Fund, IUCRC

2/16/07 to 12/31/99 RESEARCH
MCCALLEY, JAMES ELECTRICAL & COMPUTER ENGINEERING-ENGR

$35,000 IOWA DEPARTMENT OF TRANSPORTATION

106238 Safety and Mobility Impacts of Winter Weather

2/15/10 to 2/28/11 RESEARCH
HANS, ZACHARY INSTITUTE FOR TRANSPORTATION-VPR/ED
HAWKINS, NEAL INSTITUTE FOR TRANSPORTATION-VPR/ED
NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

$30,073 DUCKS UNLIMITED INSTITUTE FOR WETLAND AND WATERFOWL RESEARCH

93486 Muskrat Population Dynamics in the Summerberry Marshes, Manitoba

4/1/08 to 5/31/11 RESEARCH
CLARK, WILLIAM ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-CALS

$30,000 COMMUNITY FOUNDATION OF GREATER DUBUQUE

104749 Northeast Iowa Food and Fitness Initiative: Evaluation Strategies Proposal, Iowa State University Community Change Planning and Facilitation Team

11/1/09 to 10/31/10 RESEARCH
EMERY, MARY SOCIOLGY-AES/CALS
FLORA, CORNELIA SOCIOLGY-AES/CALS

$30,000 IOWA DEPARTMENT OF TRANSPORTATION

106886 Redevelopment of the Safety Analysis, Visualization, and Exploration Resource (SAVER)

10/1/07 to 5/31/11 RESEARCH
MITRA, SIMANTA COMPUTER SCIENCE-LAS

$30,000 CITY OF SOUTH SIOUX CITY

106943 South Sioux City Sleeping Cabins 2010

2/1/10 to 6/30/10 INSTRUCTION/TRAINING
BASSLER, BRUCE ARCHITECTURE-DSN
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

106242  Traffic Safety Analysis Software State of the Art

$28,403  MINNESOTA DEPARTMENT OF TRANSPORTATION

March 01 - 31, 2010

3/12/10 to 2/28/11  RESEARCH

SOULEYRETTE, REGINALD  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

HANS, ZACHARY  INSTITUTE FOR TRANSPORTATION-VPR/ED

NAMBISAN, SHASHI  INSTITUTE FOR TRANSPORTATION-VPR/ED

105245  Traffic Monitoring with Video Detection Equipment

$28,398  IOWA DEPARTMENT OF TRANSPORTATION

May 20, 1998 to December 31, 2011

HAWKINS, NEAL  INSTITUTE FOR TRANSPORTATION-VPR/ED

SMADI, OMAR  INSTITUTE FOR TRANSPORTATION-VPR/ED

NAMBISAN, SHASHI  INSTITUTE FOR TRANSPORTATION-VPR/ED

106184  Formation Mechanisms and Optical Properties of Low-dimensional Materials

$28,327  OAK RIDGE NATIONAL LABORATORY

April 20, 2009 to January 31, 2011

HO, KAI-MING  PHYSICS & ASTRONOMY-LAS

WANG, CAI-ZHUANG  AMES LABORATORY DOE-VPR/ED

107027  Phased Array Inspection of Billet

$28,000  PRATT & WHITNEY

February 26, 2010 to April 30, 2010

BRASCHE, LISA  CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED

MEEKER, WILLIAM  STATISTICS-LAS

GRAY, TIMOTHY  CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED

81059  Regulation of Chromatin Structure and Gene Expression

$26,015  NATIONAL INSTITUTES OF HEALTH

January 1, 2010 to December 31, 2010

JOHANSEN, KRISTEN  BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY

JOHANSEN, JORGENSEN  BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY

GIRTON, JACK  BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$25,473  ILLINOIS INSTITUTE OF TECHNOLOGY

98429  Multivariable Closed-loop Technologies for Physically Active Young Adults with Type 1 Diabetes

9/30/09 to 8/31/10  RESEARCH
ROLLINS, DERRICK  CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

$25,000  IOWA DEPARTMENT OF TRANSPORTATION

106231  Horizontal Curve Identification and Evaluation

2/1/10 to 1/31/11  RESEARCH
HANS, ZACHARY  INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI  SOULEYRETTE, REGINALD  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI  NAMBISAN, SHASHI  INSTITUTE FOR TRANSPORTATION-VPR/ED

$25,000  IOWA DEPARTMENT OF TRANSPORTATION

106686  Sign Management System for the Iowa Department of Transportation

4/1/05 to 12/31/10  RESEARCH
HAWKINS, NEAL  INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI  SMADI, OMAR  INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI  NAMBISAN, SHASHI  INSTITUTE FOR TRANSPORTATION-VPR/ED

$25,000  IOWA DEPARTMENT OF TRANSPORTATION

106761  Planning, Developing, and Implementation of the Iowa Pavement Marking Management Program Phase IV

4/1/05 to 12/31/11  RESEARCH
HAWKINS, NEAL  INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI  SMADI, OMAR  INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI  NAMBISAN, SHASHI  INSTITUTE FOR TRANSPORTATION-VPR/ED

$25,000  ALLIANT ENERGY

106811  Alliant Energy EPRC Support

1/1/10 to 12/31/10  RESEARCH
BAIRD, TOM  ELECTRICAL & COMPUTER ENGINEERING-ENGR
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$23,713 NATIONAL INSTITUTES OF HEALTH

87415 Regulations of SNARE-dependent Membrane Fusion

12/1/09 to 11/30/10 RESEARCH
SHIN, YEON-KYUN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY

$23,000 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

$22,468 INSTITUTE FOR CHARACTER DEVELOPMENT

105392 Program Evaluation of Iowa Character Counts! Research Initiative

11/1/09 to 11/30/10 RESEARCH
GALLOWAY, ROBIN RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS
KEMIS, MARI RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS

$20,000 DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER

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

3/16/10 to 3/26/10 RESEARCH
GROZDANIC, SINISA VETERINARY CLINICAL SCIENCES
GROZDANIC, SINISA VETERINARY CLINICAL SCIENCES
SAKAGUCHI, DONALD GENETICS, DEVELOPMENT & CELL BIOLOGY
SAKAGUCHI, DONALD GENETICS, DEVELOPMENT & CELL BIOLOGY

$20,000 INVOCON, INC

92666 Detection of Pressure Vessel Breach in Manned Spacecraft Using Leak-generated, Structure-borne Noise, Phase II

8/15/08 to 8/13/10 RESEARCH
CHIMENTI, DALE AEROSPACE ENGINEERING-ENGR
ROBERTS, RONALD AEROSPACE ENGINEERING-ENGR
HOLLAND, STEPHEN AEROSPACE ENGINEERING-ENGR
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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| 106682       | $16,000  | WEST CENTRAL COOPERATIVE                         | Plastics Dissolution in Biofuels                                            |
|              | 11/1/09  |                                                   | RESEARCH                                                                    |
|              | 2/26/10  |                                                   |                                                                            |
|              |          | MALLAPRAGADA, S.                                 | CHEMICAL & BIOLOGICAL ENGINEERING-ENGR                                     |
|              |          | NARASIMHAN, BALAJI                               | CHEMICAL & BIOLOGICAL ENGINEERING-ENGR                                     |

| 98740        | $15,270  | IOWA DEPARTMENT OF EDUCATION                     | 2009 Team Nutrition Training Grant                                          |
|              | 10/1/09  |                                                   | EXTENSION/PUBLIC                                                             |
|              | 9/30/10  |                                                   | APPAREL, EDUCATIONAL STUDIES & HOSPITALITY MANAGEMENT-HS                    |

| 105076       | $15,000  | NATIONAL SCIENCE FOUNDATION                      | Collaborative Research: PSERC Collaborative Proposal for Phase III Industry University Cooperative Research Center Program |
|              | 3/1/10   |                                                   | RESEARCH                                                                    |
|              | 2/28/11  |                                                   |                                                                            |
|              |          | MCCALLEY, JAMES                                  | ELECTRICAL & COMPUTER ENGINEERING-ENGR                                     |

| 106315       | $15,000  | DEERE & COMPANY                                  | NSF I/UCRC Center for Information Protection—Deere                          |
|              | 1/1/10   |                                                   | RESEARCH                                                                    |
|              | 12/31/10 |                                                   |                                                                            |
|              |          | JACOBSON, DOUG                                   | ELECTRICAL & COMPUTER ENGINEERING-ENGR                                     |

<p>| 106979       | $15,000  | IOWA DEPARTMENT OF NATURAL RESOURCES             | Forest Stewardship Programs 2010                                            |
|              | 2/15/10  |                                                   | EXTENSION/PUBLIC                                                             |
|              | 1/15/11  |                                                   |                                                                            |
|              |          | RANDALL, JESSE                                   | NATURAL RESOURCE ECOLOGY &amp; MANAGEMENT-EXT                                   |</p>
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<td>Biochemical, Biomechanical and Morphological Properties of Quantitative Ultrasound</td>
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<td>Mitigation Monitoring and Microbial Assessment of Gas-phase Biofilters and Extension Outreach</td>
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<td>A Corpus Linguistics Approach for Assessing Student and Workplace Writing in Civil Engineering</td>
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<td>Cultural Practices to Improve Fruit Quality and Vine Performance of Commercially Viable Wine Grape Cultivars in the Midwest</td>
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<td>Do Fire and Seed Additions Alter Strong Effects of Cover Crops, Seed Timing, and Priority Effects on Prairie Establishment?</td>
<td>WILSEY, BRIAN</td>
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<td>Modifying Current Laboratory Methods for Rapid Determination of Colostral IgG Concentration and Colostral IgG Absorption in the Neonate</td>
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I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

March 01 - 31, 2010

$10,000  MICHAEL GARTNER

106523  Emergency Aid Fund

1/5/09  to  1/5/20  STUDENT FINANCIAL AID
JOHNSON, ROBERTA  STUDENT FINANCIAL AID-VPSA

$9,997  UNIVERSITY OF MINNESOTA

97758  Farming for Ecosystem Services: Visualization of Alternative Working Landscapes

9/1/09  to  8/31/11  RESEARCH
SCHULTE, LISA  NATURAL RESOURCE ECOLOGY & MANAGEMENT-CALS
LARSEN, DRAKE  NATURAL RESOURCE ECOLOGY & MANAGEMENT-CALS

$7,776  IOWA AGRICULTURAL DEVELOPMENT AUTHORITY

107132  2010 Iowa Agricultural Youth Institute

1/1/10  to  8/1/10  EXTENSION/PUBLIC
LEVINGS, JUDITH  EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$7,689  DEPARTMENT OF INTERIOR, GEOLOGICAL SURVEY

104807  Occurrence and Abundance of Topeka Shiners in Restored Off-channel Habitats in Central Iowa Streams

3/9/10  to  12/31/10  RESEARCH
PIERCE, CLAY  NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS
QUIST, MICHAEL  NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

$6,050  GRINNELL CHAMBER OF COMMERCE

106940  Main Street Makeover and Consulting Projects, Spring 2010

1/11/10  to  7/1/10  INSTRUCTION/TRAINING
NIEHM, LINDA  APPAREL, EDUCATIONAL STUDIES & HOSPITALITY MANAGEMENT-HS
FIORE, ANN  APPAREL, EDUCATIONAL STUDIES & HOSPITALITY MANAGEMENT-HS

$5,597  MENDEL BIOTECHNOLOGY, INC

93033  Miscanthus Field Trial with additional funds

2/28/08  to  2/1/12  RESEARCH
FALES, STEVEN  AGRONOMY-CALS
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<td>10/1/09 to 5/31/10</td>
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I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$844 CERRO GORDO COUNTY EXTENSION
105419 Local Support for Iowa AmeriCorps State of Promise Program
9/1/09 to 8/31/10 EXTENSION/PUBLIC
BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$566 BLACK HAWK COUNTY ENGINEER
106865 Phase 1a Archaeological Survey
2/5/10 to 6/30/10 EXTENSION/PUBLIC
HILL, MATTHEW ANTHROPOLOGY-LAS