I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

July 01 - 31, 2010

$1,307,414 NATIONAL INSTITUTES OF HEALTH

106067 Enhancing B Cell Immunity Against HIV-1 Using Novel Vaccine Delivery Platforms

8/1/10 to 7/31/11 RESEARCH

CHO, MICHAEL BIOMEDICAL SCIENCES-VET
NARASIMHAN, BALAJI CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
POHL, NICOLA CHEMISTRY-LAS

$556,080 NATIONAL INSTITUTES OF HEALTH

79261 Resiliency and Vulnerability in African American Parents

8/1/10 to 7/31/11 RESEARCH

CUTRONA, CAROLYN PSYCHOLOGY
RUSSELL, DANIEL HUMAN DEVELOPMENT & FAMILY STUDIES

$496,748 NATIONAL SCIENCE FOUNDATION

111328 Cyberinfrastructure for (Comparative) Plant Genome Research through PlantGDB

7/22/10 to 9/30/11 RESEARCH

BRENDEL, VOLKER GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS

$422,646 NATIONAL SCIENCE FOUNDATION

95982 Optimal siRNA Design Based on Whole Genome Thermodynamic Analysis

9/1/09 to 8/31/11 RESEARCH

CHOU, HUI-HSIEN GENETICS, DEVELOPMENT & CELL BIOLOGY-AES

$412,000 NATIONAL SCIENCE FOUNDATION

105880 Collaborative Research: The Membrane Associated Methane Monooxygenase from Methylococcus capsulatus Bath: Metal Centers and Mechanism of Substrate Hydroxylation

7/15/10 to 6/30/13 RESEARCH

DISPIRITO, ALAN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS

$400,000 NATIONAL SCIENCE FOUNDATION

106383 Problem Framing Skills in Engineering Problem Solving

9/1/10 to 8/31/13 RESEARCH

JACKMAN, JOHN INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR
GILBERT, STEPHEN INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED
AIST, GREGORY ENGLISH-LAS
July 01 - 31, 2010

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$400,000 NATIONAL SCIENCE FOUNDATION

106383 Problem Framing Skills in Engineering Problem Solving

9/1/10 to 8/31/13 RESEARCH
CO-PI STARN, GLORIA
CO-PI HAGGE, MATHEW
MECHANICAL ENGINEERING-ENGR

$357,938 NATIONAL INSTITUTES OF HEALTH

97061 Structural Studies of Ebola VP35 Mediated Immune Evasion Mechanisms

7/1/10 to 6/30/11 RESEARCH
AMARASINGHE, GAYA
BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS

$351,688 NATIONAL SCIENCE FOUNDATION

106590 Shock Wave Induced Freeform Technique (SWIFT) for Manufacturing of Diamond Microtools

8/1/10 to 7/31/13 RESEARCH
CO-PI MOLIAN, PALANIAPPA
CO-PI WANG, XINWEI
MECHANICAL ENGINEERING-ENGR

$349,998 NATIONAL SCIENCE FOUNDATION


9/1/10 to 8/31/13 RESEARCH
CO-PI SUBRAMANIAM, SHANKAR
CO-PI OLSEN, MICHAEL
MECHANICAL ENGINEERING-ENGR

$330,000 IOWA DEPARTMENT OF TRANSPORTATION

108011 Investigation and Evaluation of Iowa Department of Transportation Bridge Deck Epoxy Injection Process

8/1/10 to 7/31/16 RESEARCH
CO-PI PHARES, BRENT
CO-PI WIPF, TERRY
CO-PI NAMBISAN, SHASHI
INSTITUTE FOR TRANSPORTATION-VPR/ED CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

July 01 - 31, 2010

$328,362 NATIONAL INSTITUTES OF HEALTH
Role of Prion Protein in Manganese Neurotoxicity
7/9/10 to 6/30/11 RESEARCH
KANTHASAMY, ANUMANTHA
BIOMEDICAL SCIENCES-VET

$313,986 NATIONAL INSTITUTES OF HEALTH
Relationship Development and Health in Young Adults
6/1/10 to 5/31/11 RESEARCH
LORENZ, FREDERICK
PSYCHOLOGY-LAS
WICKRAMA, K.
HUMAN DEVELOPMENT & FAMILY STUDIES-HS

$301,432 NATIONAL INSTITUTES OF HEALTH
Mechanisms of Manganese Neurotoxicity
8/1/10 to 7/31/11 RESEARCH
KANTHASAMY, ANUMANTHA
BIOMEDICAL SCIENCES

$300,000 NATIONAL SCIENCE FOUNDATION
Collaborative Research: Construction of a Continuous, High Resolution and Absolutely-dated Marine Chronology from the Gulf of Maine During the Last Millennium
7/15/10 to 6/30/13 RESEARCH
WANAMAKER, ALAN
GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS

$296,730 NATIONAL RENEWABLE ENERGY LABORATORY
National Advanced Biofuels Consortium
7/9/10 to 12/6/10 RESEARCH
BROWN, ROBERT
MECHANICAL ENGINEERING-ENGR
SHANKS, BRENT
CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
BIRRELL, STUART
AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
DARR, MATTHEW
AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

$275,000 DEPARTMENT OF ENERGY
Operating and Management Support for the Ames Laboratory
11/1/08 to 12/31/11 RESEARCH
KING, ALEXANDER
AMES LABORATORY
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$273,851 NATIONAL SCIENCE FOUNDATION

An Experimental Study of Glacier Slip Over Hard and Soft Beds

7/15/10 to 6/30/12 RESEARCH

IVERSON, NEAL GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS

CO-PI COHEN-CORTICCHIATO, DENIS GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS

$272,800 DEPARTMENT OF AGRICULTURE, APHIS

Further Development of the Federal and State Transport Plan for Movement of Milk (FAST Milk Plan) from Non-infected Premises in a Foot and Mouth Disease (FMD) Control Zone

4/1/10 to 3/31/11 EXTENSION/PUBLIC

ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

CO-PI BICKETT-WEDDLE, DANELLE CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

CO-PI FLAMING, KEVAN CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

CO-PI MOGAN, JANICE CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

$264,928 NATIONAL INSTITUTES OF HEALTH

Enzymatic Cyclization to Labdanes and Related Diterpenoid Natural Products

8/1/10 to 7/31/11 RESEARCH

PETERS, REUBEN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY

$262,170 UNILEVER RESEARCH AND DEVELOPMENT

Bioavailability of Lipophilic Bioactives, Part 2

1/1/10 to 7/31/11 RESEARCH

WHITE, WENDY FOOD SCIENCE & HUMAN NUTRITION-HS

$240,000 CENTRAL INTELLIGENCE AGENCY, DIRECTORATE OF SCIENCE AND TECHNOLOGY

Tunability Optical Activity, and Thermal Perfect Emitters/Absorbers, Using Metamaterials

7/12/10 to 7/11/12 RESEARCH

SOUKOULIS, COSTAS PHYSICS & ASTRONOMY-LAS

$238,000 IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP

Midwest Grape and Wine Industry Institute

7/1/10 to 6/30/11 EXTENSION/PUBLIC

DHARMADHIKARI, MURLIDHAR FOOD SCIENCE & HUMAN NUTRITION-AES/CALS
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<td>108410</td>
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<td>Robert Burt Porter IPA at the Securities and Exchange Commission</td>
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<td>88794</td>
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<td>106417</td>
<td>8/15/10 to 8/14/11</td>
<td>Department of Agriculture, NIFA</td>
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<td>Animal Science Food Safety Consortium Protecting Beef, Pork and Poultry from Contamination</td>
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<td>Iowa Department of Transportation</td>
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<td>108194</td>
<td>6/1/10 to 7/31/11</td>
<td>National Institutes of Health</td>
<td>$189,304</td>
<td>Center for Research on Botanical Dietary Supplements</td>
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</table>
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$189,304  NATIONAL INSTITUTES OF HEALTH

108194  Center for Research on Botanical Dietary Supplements

6/1/10 to 7/31/11  RESEARCH

CO-PI WURTELE, EVE  GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS
CO-PI DIXON, PHILIP  STATISTICS-LAS
CO-PI WANNEMUEHLER, MICHAEL  VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
CO-PI KOHUT, MARIAN  KINESIOLOGY-HS

$186,060  IOWA DEPARTMENT OF NATURAL RESOURCES

108468  Manure Applicator Certification Program for FY 2011

7/8/10 to 6/30/11  EXTENSION/PUBLIC

CO-PI LAWRENCE, JOHN  EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT
CO-PI RIECK-HINZ, ANGELA  AGRONOMY-EXT

$180,000  CATILIN, INC

104997  Development of Algal/Advanced Biofuels Consortia

4/1/10 to 9/30/10  RESEARCH

CO-PI KRAUS, GEORGE  CHEMISTRY-LAS
CO-PI TREWYN, BRIAN  CENTER FOR CATALYSIS - IPRT-VPR/ED

$176,825  NATIONAL SCIENCE FOUNDATION

97788  The Integration of Cellular Stress Response, Immune Function and Aging in Long- and Short-lived Ecotypes of Garter Snake

8/1/09 to 7/31/11  RESEARCH

CO-PI BRONIKOWSKI, ANNE  ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

$160,000  IOWA DEPARTMENT OF TRANSPORTATION

111038  Student Programmers for the Iowa DOT

7/1/10 to 6/30/11  RESEARCH

CO-PI HANS, ZACHARY  INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI MORRIS, TIMOTHY  INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI NAMBISAN, SHASHI  INSTITUTE FOR TRANSPORTATION-VPR/ED
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$153,571 NATIONAL SCIENCE FOUNDATION

98007 Soil Sensors and Their Wireless Underground Network for Precision Farming and Environmental Management

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KUMAR, RATNESH ELECTRICAL & COMPUTER ENGINEERING-ENGR
BIRRELL, STUART AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS
WEBER, ROBERT ELECTRICAL & COMPUTER ENGINEERING-ENGR
KALEITA-FORBES, AMY AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS
KAMAL, AHMED ELECTRICAL & COMPUTER ENGINEERING-ENGR

$145,075 NATIONAL SCIENCE FOUNDATION

105186 Modular Forms for Noncongruence Subgroups

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LONG, LING MATHEMATICS-LAS

$143,653 NATIONAL SCIENCE FOUNDATION

97571 Collaborative Proposal: Biosynthesis of Alkamides-experimental Modeling of a Modular Secondary Metabolic Pathway

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NIKOLAU, BASIL BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-CALS

$140,170 IOWA DEPARTMENT OF NATURAL RESOURCES

99078 Development of a Wetland Condition Index for Iowa's Prairie Pothole Region

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STEWART, TIMOTHY NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

$140,000 NATIONAL SCIENCE FOUNDATION

105529 New Strategy for Controlled Release of Liposomal Contents

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ZHAO, YAN CHEMISTRY-LAS
HONG, MEI CHEMISTRY-LAS

$138,994 NATIONAL SCIENCE FOUNDATION

106189 Structural Interpretation of Protein Interactomes

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JERNIGAN, ROBERT BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$138,994 NATIONAL SCIENCE FOUNDATION
Structural Interpretation of Protein Interactomes
8/1/10 to 7/31/11 RESEARCH
CO-PI
KLOCZKOWSKI, ANDRZEJ
PLANT SCIENCES INSTITUTE-VPR/ED

$130,000 NORTH CENTRAL SOYBEAN RESEARCH PROGRAM
Screening for Genetic Resistance Against Soybean Viruses
3/1/10 to 2/28/11 RESEARCH
CO-PI
HILL, JOHN
PLANT PATHOLOGY-AES/CALS
WHITHAM, STEVEN
PLANT PATHOLOGY-AES/CALS

$125,000 NATIONAL SCIENCE FOUNDATION
9/1/08 to 8/31/11 RESEARCH
CO-PI
WANG, ZHI
AEROSPACE ENGINEERING-ENGR
FOX, RODNEY
CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

$125,000 OAK RIDGE NATIONAL LABORATORY
Projects in OpenSHMEM and Unified Parallel C
3/2/09 to 12/31/10 RESEARCH
CO-PI
LUECKE, GLENN
MATHEMATICS-LAS
COYLE, JAMES
INFORMATION TECHNOLOGY SERVICES-PROV

$122,818 UNIVERSITY OF IOWA
Examination of Genetic and GXE Effects in the Family and Community Health Studies
7/1/08 to 1/31/11 RESEARCH
CO-PI
CUTRONA, CAROLYN
PSYCHOLOGY
RUSSELL, DANIEL
HUMAN DEVELOPMENT & FAMILY STUDIES-HS

$122,310 DEPARTMENT OF ENERGY
Operating and Management Support for the Ames Laboratory
11/1/08 to 12/31/11 RESEARCH
KING, ALEXANDER
AMES LABORATORY
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$120,930 NATIONAL SCIENCE FOUNDATION
8/1/07 to 7/31/11 RESEARCH
DRAKE, COREY CURRICULUM & INSTRUCTION

$120,000 IOWA DEPARTMENT OF HUMAN SERVICES
111123 New Staff Orientation Training for FY 2011
7/1/10 to 6/30/11 EXTENSION/PUBLIC
OESTERREICH, LESIA HUMAN DEVELOPMENT & FAMILY STUDIES-EXT

$108,135 UNIVERSITY OF NORTHERN IOWA
106657 Extension Support for the Iowa Space Grant Consortium
5/17/10 to 4/30/11 EXTENSION/PUBLIC
STAKER, JAY EXTENSION 4-H YOUTH DEVELOPMENT-EXT
FUCHS, CARMEN EXTENSION 4-H YOUTH DEVELOPMENT-EXT
RUDOLPHI, THOMAS AEROSPACE ENGINEERING-ENGR

$105,366 AMERICAN DIETETIC ASSOCIATION FOUNDATION
106770 Evaluation Subcontract for Healthy School Partnership (HSP) Project
4/1/10 to 6/30/12 RESEARCH
WELK, GREGORY KINESIOLOGY-HS
IHMELS, MICHELLE KINESIOLOGY-HS

$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
MCCALLEY, JAMES ELECTRICAL & COMPUTER ENGINEERING-ENGR
AJJARAPU, VENKATARAMANA ELECTRICAL & COMPUTER ENGINEERING-ENGR
ALIPRANTIS, DIONYSIOS ELECTRICAL & COMPUTER ENGINEERING-ENGR
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

**July 01 - 31, 2010**

### 106628

**$90,000**  
**UNIVERSITY OF NORTHERN IOWA**  
**ISGC Project at the Asteroid Deflection Research Center**  
5/17/10 to 4/30/11  
**RESEARCH**  
**WIE, BONG**  
**AEROSPACE ENGINEERING-ENGR**

### 107583

**$90,000**  
**FOREST PRODUCT LABORATORY**  
**Covered Timber Bridge Research Program**  
7/9/10 to 7/31/12  
**RESEARCH**  
**PHARES, BREN**  
**INSTITUTE FOR TRANSPORTATION-VPR/ED**  
**WIPF, TERRY**  
**CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR**  
**NAMBISAN, SHASHI**  
**INSTITUTE FOR TRANSPORTATION-VPR/ED**

### 108495

**$84,877**  
**IOWA DEPARTMENT OF TRANSPORTATION**  
**Work Plan for the Transportation Materials Engineer FY2011**  
7/1/10 to 6/30/11  
**RESEARCH**  
**NAMBISAN, SHASHI**  
**INSTITUTE FOR TRANSPORTATION-VPR/ED**  
**WILLIAMS, R**  
**CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR**

### 108279

**$82,000**  
**IOWA DEPARTMENT OF PUBLIC HEALTH**  
**1-800 BETS OFF: Iowa Gambling Treatment Program Helpline**  
7/1/10 to 6/30/11  
**EXTENSION/PUBLIC**  
**VANGINKEL, MARGARET**  
**EXTENSION TO FAMILIES-EXT**

### 108578

**$81,500**  
**IOWA DEPARTMENT OF TRANSPORTATION**  
**Geosynthetic Reinforced Soil for Low Volume Bridge Abutments**  
7/9/10 to 12/31/11  
**RESEARCH**  
**WHITE, DAVID**  
**CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR**  
**VENNAPUSA, PAVANA**  
**CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR**  
**NAMBISAN, SHASHI**  
**INSTITUTE FOR TRANSPORTATION-VPR/ED**
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<td>Building Foundations for Self-determination in Young Children with Disabilities</td>
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<td>CAREER: Sculpting Electric Machines for Unidirectional Motion</td>
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<td>Program for Spaceborne and Earthbound System Sustainability</td>
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<td>Kaleita-Forbes, Amy</td>
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I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$60,039 INVOCON, INC  404-25-03

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

$56,019 NATIONAL ACADEMIES  428-17-18

SHRP 2 S04A (Roadway Database Development and Technical Coordination)

4/28/10 to 7/27/12 RESEARCH

SMADI, OMAR INSTITUTE FOR TRANSPORTATION-VPR/ED
NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

$50,042 AIR FORCE OFFICE OF SCIENTIFIC RESEARCH  421-20-03

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

$48,643 NATIONAL SCIENCE FOUNDATION  420-21-07

Mechanics of Folding in Glaciers: A Numerical Study

8/1/10 to 7/31/12 RESEARCH

MOORE, PETER GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS
IVERSON, NEAL GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS

$48,637 UNIVERSITY OF MARYLAND  404-65-01


10/1/07 to 5/31/11 RESEARCH

LOGRASSO, THOMAS MATERIALS SCIENCE & ENGINEERING
MCQUEENEY, ROBERT PHYSICS & ASTRONOMY
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

105744 Determination of Population Genetic and Ecological Variation in the Scaleshell (leptodea leptodon) and Pink Mucket (lampsis abrupta) (bivalvia:unionidae)
7/1/10 to 6/30/11 RESEARCH
ROE, KEVIN
NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS
$46,395 MISSOURI DEPARTMENT OF CONSERVATION

107980 Ultrasonic Inspection of Blade Repairs
5/1/10 to 8/31/10 RESEARCH
BRASCHE, LISA CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
ROBERTS, RONALD CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
GRAY, TIMOTHY CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
$44,900 STRATACOM LLC

111017 Analysis of Alternative Ethanol Policy Options
6/1/10 to 12/31/10 RESEARCH
BABCOCK, BRUCE ECONOMICS-AES/CALS
$42,000 IOWA DEPARTMENT OF HUMAN SERVICES

108372 Targeted Case Management for Multiple Agencies
7/1/10 to 6/30/11 EXTENSION/PUBLIC
VANGINKEL, MARGARET EXTENSION TO FAMILIES-EXT
$41,104 IOWA DEPARTMENT OF PUBLIC HEALTH

108396 Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)
1/1/10 to 12/31/10 RESEARCH
BARTHOLOMAY, LYRIC ENTOMOLOGY-AES/CALS
$41,055 BOEHRINGER INGELHEIM VETMEDICA, INC

107682 A Case-control Field Study of the Etiologies and Epidemiology of Suckling Calf Pneumonia in Iowa Cow/Calf Operations
4/16/10 to 9/15/11 RESEARCH
ENGELKEN, TERRY VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
COOPER, VICKIE VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
OCONNOR, ANNETTE VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
DEWELL, GRANT VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-EXT
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$41,055  BOEHRINGER INGELHEIM VETMEDICA, INC  
400-23-82

107682  A Case-control Field Study of the Etiologies and Epidemiology of Suckling Calf Pneumonia in Iowa Cow/Calf Operations  
4/16/10 to 9/15/11    RESEARCH  
CO-PI DEWELL, RENEE  
VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

$40,373  NATIONAL SCIENCE FOUNDATION  
420-17-48

111169  Interactive and Verifiable Composition of Web Services to Satisfy End-user Goals  
7/13/10 to 6/30/11    RESEARCH  
CO-PI BASU, SAMIK  
CO-PI LUTZ, ROBYN  
CO-PI HONAVAR, VASANT  
COMPUTER SCIENCE-LAS

$40,000  ADA TECHNOLOGIES  
404-20-16

93565  Subcontract from ADA Technologies: Novel 3-Dimensional Platform for High-throughput Glycomics Analysis  
5/1/10 to 4/30/11    RESEARCH  
HILLIER, ANDREW  
CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

$40,000  CATERPILLAR, INC  
400-17-02

107871  CFED (Phase IV)–Earthwork Volumetric Calculations and Characterization of Additional CFED Soils  
5/1/10 to 12/31/10    RESEARCH  
CO-PI NAMBISAN, SHASHI  
CO-PI GIESELMAN, HEATH  
CO-PI VENNAPUSA, PAVANA  
CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

$37,596  NUGENPLASM, LLC  
400-43-56

107547  Transgenic Maize Seeds with Enhanced Starch Property for Bio-processing  
5/3/10 to 2/28/14    RESEARCH  
CO-PI WANG, KAN  
CO-PI JANE, JAY-LIN  
AGRONOMY-AES/CALS

FOOD SCIENCE & HUMAN NUTRITION-AES/CALS
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<td>111206</td>
<td>Scale-up Processing of Resistant Maltodextrin</td>
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<td>5/15/11</td>
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<td>111238</td>
<td>Soybean Aphid: Management, Biocontrol, and Host Plant Resistance</td>
<td>3/1/10</td>
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<td>ONEAL, MATTHEW</td>
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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>
<td>12/1/09</td>
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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$25,000  DEPARTMENT OF AGRICULTURE, APHIS
107840  AgDiscovery Summer Enrichment Program, 2010
6/1/10  to  12/31/10  EXTENSION/PUBLIC
FAIRBANKS, WENDELYN  NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS
CHRISTOFFEL, REBECCA  NATURAL RESOURCE ECOLOGY & MANAGEMENT-EXT

$24,768  NATIONAL INSTITUTES OF HEALTH
85345  Modulation and Resistance of Levamisole Receptor Channels
1/1/10  to  12/31/10  RESEARCH
MARTIN, RICHARD  BIOMEDICAL SCIENCES

$23,841  VAN BEEK NATURAL SCIENCE, LLC
107187  New Approaches for Development and Characterization of Effective Essential Oil-based Antimicrobial Systems
6/1/10  to  8/31/11  RESEARCH
BREHM-STECHER, BYRON  FOOD SCIENCE & HUMAN NUTRITION-HS

$22,500  SCHOOL ADMINISTRATORS OF IOWA
111094  Technology Integration and Leadership Training SAI 2010-11
7/1/10  to  6/30/11  INSTRUCTION/TRAINING
MCLEOD, SCOTT  EDUCATIONAL LEADERSHIP & POLICY STUDIES-HS

$22,439  DEPARTMENT OF AGRICULTURE, ARS
111221  Development of GEM Line Starch to Improve Nutritional Value and Biofuel Production
7/29/09  to  8/31/11  RESEARCH
JANE, JAY-LIN  FOOD SCIENCE & HUMAN NUTRITION-AES/CALS

$20,996  IOWA PORK PRODUCERS ASSOCIATION
105978  FIRE Feeders for Research on the Genetic and Biological Basis of Feed Efficiency
2/16/10  to  9/30/10  RESEARCH
DEKKERS, JACK  ANIMAL SCIENCE-AES/CALS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$16,000 NATIONAL SCIENCE FOUNDATION

TC: Small: Cyber Security of Electric Power Infrastructure: Risk Modeling and Mitigation

9/15/09 to 8/31/12 RESEARCH
GOVINDARASU, MANIMARAN ELECTRICAL & COMPUTER ENGINEERING-ENGR

$15,471 OFFICE OF NAVAL RESEARCH

Photonic Nanometamaterials (PHOTONANO)

7/15/10 to 9/30/13 RESEARCH
SOUKOULIS, COSTAS PHYSICS & ASTRONOMY-LAS

$14,629 NATIONAL SCIENCE FOUNDATION

Supplement for Collaborative Research: Effects of Species on Forest Carbon Balances in Lowland Costa Rica

9/1/07 to 8/31/11 RESEARCH
RUSSELL, ANN RAICH, JAMES
CO-PI
RU: ANN
CO-PI
RAICH, JAMES
ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

$12,600 IOWA DEPARTMENT OF NATURAL RESOURCES

White-nose Syndrome: Stop the Spread!

6/28/10 to 6/30/11 EXTENSION/PUBLIC
CHRISTOFFEL, REBECCA BLANCHONG, JULIE
CO-PI
SANCHEZ, MAYLY NATIONAL RESOURCE ECOLOGY & MANAGEMENT-EXT
CO-PI
SANCHEZ, MAYLY NATIONAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

$12,476 ARGONNE NATIONAL LABORATORY

Joint Appointment Agreement Sanchez

8/16/10 to 8/15/11 RESEARCH
SANCHEZ, MAYLY PHYSICS & ASTRONOMY-LAS

$10,000 IOWA DEPARTMENT OF TRANSPORTATION

Finite Element Modeling of Culvert Barrel and Headwall Interaction

6/10/10 to 10/31/10 RESEARCH
FANOUS, FOUAD WIPF, TERRY
CO-PI
NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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<td>Accommodating Individual Differences in Software Designed for Location-based Survey Tasks</td>
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<td>Establishment of THREDDS Server and RAMADDA for Community Access to 78-Year Weather Data Archive</td>
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<td>MONSANTO COMPANY</td>
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<td>Soybean Aphid Biotype Summer Study</td>
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## II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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$4,370 IOWA DEPARTMENT OF PUBLIC HEALTH  
111042 Evaluation of BASICS for Nutrition and Physical Activity  
10/1/09 to 9/30/10 RESEARCH  
SHELLEY, MACK STATISTICS-LAS

$4,219 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

$3,937 IOWA DEPARTMENT OF PUBLIC HEALTH  
105394 M C H 1-800 Healthy Families Teenline 2010  
10/1/09 to 9/30/10 EXTENSION/PUBLIC  
WARNING, JEANNE EXTENSION TO FAMILIES-EXT  
CO-PI VANGINKEL, MARGARET EXTENSION TO FAMILIES-EXT

$2,283 IOWA DEPARTMENT OF NATURAL RESOURCES  
111054 Phase 1 Archaeological Survey  
7/1/10 to 6/30/11 EXTENSION/PUBLIC  
HILL, MATTHEW ANTHROPOLOGY-LAS

$1,687 IOWA 4-H FOUNDATION  
105844 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

$1,343 CITY OF CAMBRIDGE  
111300 Phase 1 Archaeological Survey  
7/7/10 to 11/1/10 EXTENSION/PUBLIC  
HILL, MATTHEW ANTHROPOLOGY-LAS
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

July 01 - 31, 2010

$932  IOWA DEPARTMENT OF NATURAL RESOURCES

111054  Phase 1 Archaeological Survey

7/1/10 to 6/30/11  EXTENSION/PUBLIC
HILL, MATTHEW  ANTHROPOLOGY-LAS

IOWA DEPARTMENT OF NATURAL RESOURCES

$844  MERRYMAKERS ASSOCIATION

105135  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

MERRYMAKERS ASSOCIATION

$844  ASPIRE THERAPEUTIC RIDING PROGRAM

105138  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

ASPIRE THERAPEUTIC RIDING PROGRAM

$844  POSITIVELY SPENCER YOUTH

105163  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

POSITIVELY SPENCER YOUTH

$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

CERRO GORDO COUNTY EXTENSION

$453  HARTLEY PUBLIC LIBRARY

105293  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

HARTLEY PUBLIC LIBRARY
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$333  HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES, LLC

111331  High-speed Wired Data Collection

7/22/10 to 12/31/10  INSTRUCTION/TRAINING
GOVINDARASU, MANIMARAN  ELECTRICAL & COMPUTER ENGINEERING-ENGR

$120  IOWA DEPARTMENT OF PUBLIC HEALTH

106932  MCH 1-800 Healthy Families/Teenline, Amendment #1--School Ready Materials

10/1/09 to 5/31/10  EXTENSION/PUBLIC
WARNING, JEANNE  EXTENSION TO FAMILIES-EXT
CO-PI VANGINKEL, MARGARET  EXTENSION TO FAMILIES-EXT