I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$9,578,791 USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA) 416-17-01

111779 AGRO-ECOSYSTEM APPROACH TO SUSTAINABLE BIOFUELS PRODUCTION VIA THE PYROLYSIS-BIOCHAR PLATFORM (AFRI-CAP)
8/1/11 to 7/31/13 RESEARCH

MOORE, KENNETH AGRONOMY-AES/CALS
RAMAN, DAVE AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
SCHWAB, CHARLES AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
BROWN, ROBERT MECHANICAL ENGINEERING-ENGR
BIRRELL, STUART AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
EUKEN, JILL BIOECONOMY INSTITUTE-VPR/ED
HAYES, DERMOT ECONOMICS-AES/CALS
JACOBS, KERI ECONOMICS-AES/CALS
HANNA, H. AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
KLING, CATHERINE ECONOMICS-AES/CALS
LAIRD, DAVID AGRONOMY-AES/CALS

$1,499,854 DOE-U.S. DEPARTMENT OF ENERGY 401-25-01

93016 OPERATING AND MANAGEMENT SUPPORT FOR THE AMES LABORATORY
11/1/08 to 12/31/11 RESEARCH

KING, ALEXANDER AMES LABORATORY

$1,461,370 NSF-NATIONAL SCIENCE FOUNDATION 441-20-06

104620 A 21ST CENTURY REVITALIZED RESEARCH AND RESEARCH TRAINING INFRASTRUCTURE FOR CHEMICAL AND BIOLOGICAL ENGINEERING
10/1/10 to 9/30/13 MISCELLANEOUS

MALLAPRAGADA, S. CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
SHANKS, BRENNT CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
NARASIMHAN, BALAJI CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
SHANKS, JACQUELINE CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
FOX, RODNEY CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

$980,318 IOWA DEPARTMENT OF TRANSPORTATION 474-30-04

114660 COMMUNITY TRANSPORTATION ENHANCEMENT PLANNING 2011-2013
7/1/11 to 6/30/13 EXTENSION/PUBLIC

BADENHOPE, JULIA LANDSCAPE ARCHITECTURE-DSN
KELLER, J. LANDSCAPE ARCHITECTURE-DSN
BORICH, TIMOTHY EXTENSION COMMUNITY & ECONOMIC DEVELOPMENT-EXT
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$608,553  SBA-U.S. SMALL BUSINESS ADMINISTRATION

108547  IOWA SMALL BUSINESS DEVELOPMENT CENTER FY 2011 SBA COOPERATIVE AGREEMENT

10/1/10 to 9/30/11  EXTENSION/PUBLIC
HECKMANN, JAMES  BUSINESS ADMINISTRATION-BUS

$600,222  NSF-NATIONAL SCIENCE FOUNDATION

92632  TRANSFERRING RESEARCH FROM A MODEL SYSTEM TO UNCOVER THE NETWORK THAT REGULATES LONG-DISTANCE SIGNALING IN POTATO

10/1/08 to 9/30/12  RESEARCH
HANNAPEL, DAVID  HORTICULTURE-AES
RAO, ARAGULA  BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-CALS

$558,677  NIH-NATIONAL INSTITUTES OF HEALTH

113548  ANTIVIRAL PROPERTIES OF AN OXIDATIVE HOST DEFENSE SYSTEM OF THE AIRWAY

7/15/11 to 6/30/12  RESEARCH
ACKERMANN, MARK  VETERINARY PATHOLOGY-VET

CO-PI
VAN GEELEN, ALBERT  VETERINARY PATHOLOGY-VET

$546,476  NSF-NATIONAL SCIENCE FOUNDATION

92602  TRMS: HIGH-THROUGHPUT FUNCTIONAL ANALYSIS OF SOYBEAN DEFENSE PATHWAYS BY VIRUS-INDUCED GENE SILENCING

9/1/08 to 8/31/12  RESEARCH
WHITHAM, STEVEN  PLANT PATHOLOGY-AES
HILL, JOHN  PLANT PATHOLOGY-AES
BAUM, THOMAS  PLANT PATHOLOGY-AES

$480,276  USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)

111858  SEQUENCING AND PHYLOGENOMICS OF FOOD ANIMAL AND COMMUNITY-ACQUIRED CLOSTRIDIUM DIFFICILE

7/1/10 to 12/31/11  RESEARCH
SONGER, J  VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

$450,895  NSF-NATIONAL SCIENCE FOUNDATION

113677  SECRECY-PRESERVING REASONING: FOUNDATIONS AND ALGORITHMS

8/1/11 to 7/31/14  RESEARCH
SLUTZKI, GIORA  COMPUTER SCIENCE-LAS
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$449,997 NSF-NATIONAL SCIENCE FOUNDATION
113801 CSR: SMALL: HARDWARE ARCHITECTURES FOR DATA MINING AT THE EXASCALE

9/1/11 to 8/31/14 RESEARCH
ZAMBRENO, JOSEPH ELECTRICAL & COMPUTER ENGINEERING-ENGR

$417,808 IOWA DEPARTMENT OF NATURAL RESOURCES
111316 LEOPOLD CENTER SUPPORT

7/1/10 to 6/30/11 RESEARCH
HONEYMAN, MARK LEOPOLD CENTER-AES/CALS

$360,345 NSF-NATIONAL SCIENCE FOUNDATION
113880 CSR: SMALL: SOFTWARE CACHE MEMORY MANagements WITH RECONFIGURABLE HARDWARE EMULATORS

8/1/11 to 7/31/14 RESEARCH
ZHANG, ZHAO ELECTRICAL & COMPUTER ENGINEERING-ENGR

$242,684 IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT
113874 HYDROLOGIC IMPACTS OF DRAINAGE SYSTEMS

7/1/11 to 6/30/13 RESEARCH
CRUSE, RICHARD AGRONOMY-AES/CALS
HELMERS, MATTHEW AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
SIMPKINS, WILLIAM GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS
FRANZ, KRISTIE GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS

$236,160 NSF-NATIONAL SCIENCE FOUNDATION
108405 COLLABORATIVE RESEARCH: SI2-SSI: DEVELOPMENTS IN HIGH PERFORMANCE ELECTRONIC STRUCTURE THEORY

10/1/11 to 9/30/12 RESEARCH
GORDON, MARK CHEMISTRY-LAS
WINDUS, THERESA CHEMISTRY-LAS
SOSONKINA, MASHA AMES LABORATORY DOE-VPR/ED
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

### 113517 Cholinergic Receptors on the Nematode Pharynx: An Unexploited Drug Target

- **Funding Amount:** $231,971
- **Funding Source:** NIH-National Institutes of Health
- **Principal Investigator:** Robertson, Alan
- **Department:** Biomedical Sciences-Vet
- **Project Duration:** 7/17/11 to 6/30/12
- **Co-PIs:** Singh, Ravindra, Singh, Natalia

### 113483 Small Oligonucleotides as Therapeutic Agents of Spinal Muscular Atrophy

- **Funding Amount:** $219,703
- **Funding Source:** NIH-National Institutes of Health
- **Principal Investigator:** Singh, Ravindra
- **Department:** Biomedical Sciences-Vet
- **Project Duration:** 7/15/11 to 6/30/12
- **Co-PIs:** Singh, Ravindra, Singh, Natalia

### 115276 Work Plan for the Statewide Urban Design and Specifications Program FY2012

- **Funding Amount:** $210,000
- **Funding Source:** Iowa Department of Transportation
- **Principal Investigator:** Wiegand, Paul
- **Department:** Institute for Transportation-VPR/ED
- **Project Duration:** 7/1/11 to 6/30/14
- **Co-PIs:** Nambisan, Shashi, Flaming, Kevan

### 93248 Collaborative Research: ATOL: Portol-The Porifera Tree of Life Project

- **Funding Amount:** $206,454
- **Funding Source:** NSF-National Science Foundation
- **Principal Investigator:** Lavrov, Dennis
- **Department:** Ecology, Evolution & Organismal Biology-LAS
- **Project Duration:** 10/1/08 to 9/30/13

### 115326 A Secure Transport Plan for Movement of Swine Between Production Sites and to Processing Plants in a Foot and Mouth Disease Outbreak SPS (Secure Pork Supply)

- **Funding Amount:** $200,000
- **Funding Source:** USDA-Animal & Plant Health Inspection Service (APHIS)
- **Principal Investigator:** Roth, James
- **Department:** Veterinary Microbiology & Preventive Medicine-Vet
- **Project Duration:** 7/8/11 to 7/7/12
- **Co-PIs:** Bickett-Weddle, Danelle, Flaming, Kevan

### 115585 Further Development of the Secure Milk Supply Plan for Movement of Milk and Non-Infected Premises in a Foot and Mouth Disease (FMD) Control Area

- **Funding Amount:** $200,000
- **Funding Source:** USDA-Animal & Plant Health Inspection Service (APHIS)
- **Principal Investigator:** Roth, James
- **Department:** Veterinary Microbiology & Preventive Medicine-Vet
- **Project Duration:** 9/1/11 to 8/31/12
- **Co-PIs:** Bickett-Weddle, Danelle, Flaming, Kevan

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*July 01 - 31, 2011*
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

July 01 - 31, 2011

115585  FURTHER DEVELOPMENT OF THE SECURE MILK SUPPLY PLAN FOR MOVEMENT OF MILK AND NON-INFECTED PREMISES IN A FOOT AND MOUTH DISEASE (FMD) CONTROL AREA

$200,000  USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS)

9/1/11 to 8/31/12  EXTENSION/PUBLIC

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

115542  STUDENT PROGRAMMERS FOR THE IOWA DOT

$197,982  IOWA DEPARTMENT OF TRANSPORTATION

7/1/11 to 6/30/12  RESEARCH

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

114279  COLLABORATIVE RESEARCH: SELF-SUSTAINABLE NETWORKING OF SURVIVABILITY-HETEROGENEOUS SENSORS

$191,125  NSF-NATIONAL SCIENCE FOUNDATION

7/15/11 to 6/30/14  RESEARCH

ZHANG, WENSHENG  COMPUTER SCIENCE-LAS

115578  EAGER: COLLABORATIVE RESEARCH: MODELING AND ANALYSIS OF MOLECULAR PROGRAMMING AND NANOSCALE SELF-ASSEMBLY

$189,016  NSF-NATIONAL SCIENCE FOUNDATION

9/1/11 to 8/31/12  RESEARCH

LUTZ, JACK  COMPUTER SCIENCE-LAS

CO-PI  HENDERSON, ERIC  GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS

CO-PI  LATHROP, JAMES  COMPUTER SCIENCE-LAS

CO-PI  LUTZ, ROBYN  COMPUTER SCIENCE-LAS

CO-PI  ZHANG, TING  COMPUTER SCIENCE-LAS

113479  EVALUATING THE IMPACT OF STATEWIDE BMI SCREENING INITIATIVE IN ELEMENTARY SCHOOLS

$187,490  NIH-NATIONAL INSTITUTES OF HEALTH

7/1/11 to 6/30/12  RESEARCH

WELK, GREGORY  KINESIOLOGY-HS

CO-PI  WICKRAMA, K.  HUMAN DEVELOPMENT & FAMILY STUDIES-HS

CO-PI  IHMELS, MICHELLE  KINESIOLOGY-HS
I I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

**$170,000 DOE-U.S. DEPARTMENT OF ENERGY**

105932 REGULATION OF CHLOROPLAST BIOGENESIS: THE IMMUTANS MUTANT OF ARABIDOPSIS

7/1/94 to 8/31/12 RESEARCH
RODERMEL, STEVEN GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS

**$164,966 NSF-NATIONAL SCIENCE FOUNDATION**

113681 SHF: SMALL: COLLABORATIVE RESEARCH: FORMAL ANALYSIS OF DISTRIBUTED INTERACTIONS

10/1/11 to 9/30/14 RESEARCH
BASU, SAMIK COMPUTER SCIENCE-LAS

**$161,847 NSF-NATIONAL SCIENCE FOUNDATION**

95871 MESHING SYNTHESIS AND BIOSYNTHESIS FOR KDO: A KEY PLANT AND BACTERIAL SUGAR

9/15/09 to 8/31/12 RESEARCH
POHL, NICOLA CHEMISTRY-LAS

**$148,816 UNITED SOYBEAN BOARD**

114697 THE USE OF VIGS TECHNOLOGY TO DECREASE YIELD-REDUCING STRESS IN SOYBEANS

6/1/11 to 5/31/12 RESEARCH
HILL, JOHN PLANT PATHOLOGY-AES/CALS
WHITHAM, STEVEN PLANT PATHOLOGY-AES/CALS
BAUM, THOMAS PLANT PATHOLOGY-AES/CALS
LEANDRO, LEONOR PLANT PATHOLOGY-AES/CALS

**$148,500 USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS)**

115279 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

9/1/11 to 8/31/12 EXTENSION/PUBLIC
TRAMPEL, DARRELL VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

**$143,240 NSF-NATIONAL SCIENCE FOUNDATION**

106189 STRUCTURAL INTERPRETATION OF PROTEIN INTERACTOMES

8/1/10 to 7/31/12 RESEARCH
JERNIGAN, ROBERT BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS
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<th>Grantor</th>
<th>Description</th>
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<td>USDA-NATIONAL INSTITUTE OF FOOD &amp; AGRICULTURE (NIFA)</td>
<td>MODELING APPROACH TO UNIFYING CONCEPTS TAUGHT IN A PROFESSIONAL MS AGRONOMY CURRICULUM</td>
<td>$140,171</td>
<td>8/1/11</td>
<td>7/31/13</td>
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<td>MIDWEST DAIRY ASSOCIATION</td>
<td>MIDWEST DAIRY FOODS RESEARCH CENTER 2011</td>
<td>$125,431</td>
<td>1/1/11</td>
<td>12/31/11</td>
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<td>114899</td>
<td>IOWA DEPARTMENT OF TRANSPORTATION</td>
<td>INVESTIGATION INTO SHRINKAGE OF HIGH PERFORMANCE CONCRETE USED FOR IOWA BRIDGE DECKS AND OVERLAYS</td>
<td>$125,000</td>
<td>8/1/11</td>
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<td>IOWA SUSTAINABLE COMMUNITIES PROJECT</td>
<td>$120,000</td>
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<td>5/14/12</td>
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<td>98219</td>
<td>NSF-NATIONAL SCIENCE FOUNDATION</td>
<td>MOLECULAR DESIGN OF NANO-CARRIER MATERIALS FOR REACTIONS CATALYZED BY MULTI-ENZYME COMPLEXES</td>
<td>$118,971</td>
<td>10/1/09</td>
<td>9/30/12</td>
<td>MALLAPRAGADA, S.</td>
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I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$118,971 NSF-NATIONAL SCIENCE FOUNDATION

MOLECULAR DESIGN OF NANO-CARRIER MATERIALS FOR REACTIONS CATALYZED BY MULTI-ENZYME COMPLEXES

10/1/09 to 9/30/12 RESEARCH

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

PETERS, REUBEN
BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS

$118,255 USDA-FOREST SERVICE (FS)

ECOLOGICAL ASSESSMENTS OF BIOENERGY FEEDSTOCKS FROM PLANTATIONS AND FORESTS IN THE MIDWEST

7/23/09 to 12/31/12 RESEARCH

CO-PI
HALL, RICHARD
NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

ISENHART, THOMAS
NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

RANDALL, JESSE
NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

$117,002 RUTGERS UNIVERSITY

UNDERSTANDING AND COMBATING THE FIRE-ENHANCING IMPACT OF NON-NATIVE ANNUALS IN DESERT SCRUB THROUGH THE TOOLS OF POPULATION AND LANDSCAPE ECOLOGY

2/19/10 to 2/18/14 RESEARCH

MOLONEY, KIRK
ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

$111,393 NSF-NATIONAL SCIENCE FOUNDATION

DECISION SUPPORT SYSTEM FOR REASONING WITH PREFERENCES

8/1/11 to 7/31/12 RESEARCH

Basu, Samik
COMPUTER SCIENCE-LAS

Lutz, Robyn
COMPUTER SCIENCE-LAS

$110,000 USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS)

FEDERAL AND STATE TRANSPORT PLAN FOR MOVEMENT OF EGGS AND EGG PRODUCTS FROM NON-INFECTED PREMISES WITHIN AN AVIAN INFLUENZA/EXOTIC NEWCASTLE DISEASE CONTROL AREA (FAST EGGS PLAN)

9/29/11 to 9/28/12 EXTENSION/PUBLIC

TrampeL, Darrell
VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

Roth, James
VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

July 01 - 31, 2011

113527  GENETIC ANALYSIS OF WHITE-TAILED DEER POPULATION STRUCTURE IN IOWA: IDENTIFYING POTENTIAL PATTERNS AND RATES OF DISEASE SPREAD
7/1/01 to 6/30/15  RESEARCH
BLANCHONG, JULIE  NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

$100,000  FOREST PRODUCTS LABORATORY (FPL)
115716  DEVELOPMENT OF A SMART TIMBER BRIDGE–DEVELOPMENT OF DATA PROCESSING TECHNIQUES FOR DETERMINING CHANGES IN STRUCTURAL STIFFNESS
7/1/11 to 7/31/14  RESEARCH
PHARES, BRENT  INSTITUTE FOR TRANSPORTATION-VPR/ED
NAMBISAN, SHASHI  INSTITUTE FOR TRANSPORTATION-VPR/ED

$95,199  UNIVERSITY OF KANSAS
96404  BUILDING FOUNDATIONS FOR SELF-DETERMINATION IN YOUNG CHILDREN WITH DISABILITIES
7/1/09 to 6/30/12  RESEARCH
BROTHERSON, MARY  HUMAN DEVELOPMENT & FAMILY STUDIES-HS
MAUDE, SUSAN  HUMAN DEVELOPMENT & FAMILY STUDIES-HS

$82,500  USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS)
115587  ENHANCING AND MAINTAINING THE TRAINING WEBSITE FOR THE NATIONAL ANIMAL HEALTH EMERGENCY RESPONSE CORPS
9/1/11 to 8/31/12  INSTRUCTION/TRAINING
ROTH, JAMES  VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
FLAMING, KEVAN  CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET
MOGAN, JANICE  CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

$80,476  DOI-U.S. GEOLOGICAL SURVEY (USGS)
115946  CHARACTERIZING UNCERTAINTY IN THE IMPACT OF GLOBAL CLIMATE CHANGE ON LARGE RIVER FISHES: MISSOURI RIVER STURGEON EXAMPLE
12/15/10 to 12/14/12  RESEARCH
ANDERSON, CHRISTOPHER  AGRONOMY-AES/CALS
FRANZ, KRISTIE  GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$78,350  NSF-NATIONAL SCIENCE FOUNDATION  420-18-03
90658   GRADUATE RESEARCH FELLOWSHIP PROGRAM

8/15/07  to  7/31/12   RESEARCH
HOLGER, DAVID   GRADUATE COLLEGE

$75,000  USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)  416-40-03
112110  A NOVEL FRAMESHIFT SIGNAL IN THE POTYVIRIDAE GENOME

8/15/11  to  8/14/13   FELLOWSHIP
MILLER, WYATT   PLANT PATHOLOGY-AES/CALS
HUI, ALICE   PLANT PATHOLOGY-AES/CALS

$73,000  KIRKWOOD COMMUNITY COLLEGE  404-28-30
115333  EVALUATION OF THE COMMUNITY COLLEGE INITIATIVE FOR EGYPT

3/15/11  to  9/30/12   RESEARCH
KEMIS, MARI   RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS

$69,407  NSF-NATIONAL SCIENCE FOUNDATION  420-21-46
98256   COLLABORATIVE RESEARCH: ELECTRON TRANSPORT MEMBRANES USING NANOSTRUCTURED BLOCK COPOLYMER ASSEMBLIES

8/15/09  to  7/31/12   RESEARCH
JEFFRIES-EL, MALIKA   CHEMISTRY-LAS

$68,347  NSF-NATIONAL SCIENCE FOUNDATION  420-28-08
83225   CAREER: CONSTRUCTING COHERENCE: ELEMENTARY TEACHERS' STRATEGIES FOR USING STANDARDS-BASED MATHEMATICS CURRICULUM MATERIALS

8/1/07  to  7/31/12   RESEARCH
DRAKE, COREY   CURRICULUM & INSTRUCTION

$58,297  NORTH CAROLINA STATE UNIVERSITY  410-30-09
114225  JUST IN TIME PARENTING/MILITARY FAMILIES COP SOCIAL MEDIA STRATEGY

3/1/11  to  2/29/12   EXTENSION/PUBLIC
GREDER, KIMBERLY   HUMAN DEVELOPMENT & FAMILY STUDIES-EXT
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$56,651  NASA-NATIONAL AERONAUTICS & SPACE ADMINISTRATION  422-21-06
99338  INTERMEDIATE MASS STAR FORMATION–BRIDGING HIGH AND LOW-MASS REGIMES
1/1/10  to  12/31/12  RESEARCH
KERTON, CHARLES  PHYSICS & ASTRONOMY-LAS

$51,881  UNIVERSITY OF CONNECTICUT  410-41-01
106403  REDUCING EGG-BORNE OUTBREAKS OF SALMONELLOSIS BY INTEGRATING RESEARCH AND EXTENSION
9/1/10  to  8/31/13  EXTENSION/PUBLIC
XIN, HONGWEI  AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

$50,000  NSF-NATIONAL SCIENCE FOUNDATION  420-20-82
93304  COLLABORATIVE RESEARCH: CT-M: HARDWARE CONTAINERS FOR SOFTWARE COMPONENTS-DETECTION AND RECOVERY AT THE HARDWARE/SOFTWARE INTERFACE
1/1/10  to  12/31/12  RESEARCH
ZAMBRENO, JOSEPH  ELECTRICAL & COMPUTER ENGINEERING-ENGR

$50,000  USDA-FOREST SERVICE (FS)  412-45-41
105181  DISTRIBUTION AND INTENSIFICATION OF BUR OAK BLIGHT IN IOWA AND THE MIDWEST
1/1/10  to  12/31/14  RESEARCH
HARRINGTON, THOMAS  PLANT PATHOLOGY-AES/CALS

$48,000  DOE-U.S. DEPARTMENT OF ENERGY  401-21-03
97044  INVESTIGATIONS OF QUARK SEA AND ORBITAL ANGULAR MOMENTUM CONTRIBUTIONS TO NUCLEON SPIN
9/1/10  to  8/31/12  RESEARCH
LAJOIE, JOHN  PHYSICS & ASTRONOMY-LAS

$42,873  NSF-NATIONAL SCIENCE FOUNDATION  420-60-94
114298  COLLABORATIVE RESEARCH: EFFICIENT AND ROBUST UNDERWATER ACOUSTIC SENSOR NETWORKS: AN INTEGRATED CODING APPROACH
9/1/11  to  8/31/12  RESEARCH
WANG, ZHENGDAO  ELECTRICAL & COMPUTER ENGINEERING-ENGR
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

**$42,200** NATIONAL PORK BOARD

115181 EVALUATING NUTRIENT (NITROGEN AND ORTHO-PHOSPHATE) EXPORT WITH SUBSURFACE DRAINAGE WATER FROM MANURE APPLIED SUB-WATERSHEDS PLANTED TO SOYBEANS

5/23/11 to 5/22/12 EXTENSION/PUBLIC

CO-PI KANWAR, RAMESHWAR AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

CO-PI PEDERSON, CARL AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

**$40,740** IOWA DEPARTMENT OF PUBLIC HEALTH

115248 1-800 BETS OFF: IOWA GAMBLING TREATMENT PROGRAM HELPLINE

7/1/11 to 12/31/11 EXTENSION/PUBLIC

VANGINKEL, MARGARET EXTENSION TO FAMILIES-EXT

**$40,000** NSF-NATIONAL SCIENCE FOUNDATION

115594 TRAVEL SUPPORT FOR SOFTWARE DESIGN AND PRODUCTIVITY SUMMIT

8/1/11 to 4/30/12 RESEARCH

LUTZ, ROBYN COMPUTER SCIENCE-LAS

**$38,649** BAYLOR COLLEGE OF MEDICINE

108351 REVISED SCHOOL MEAL GUIDELINES: IMPACT ON STUDENT FOOD INTAKE AND COSTS

4/1/11 to 3/31/12 RESEARCH

JENSEN, HELEN ECONOMICS-AES/CALS

**$35,103** UNIVERSITY OF TENNESSEE

98260 MIDGEPEET: A COLLABORATIVE EFFORT TO INCREASE TAXONOMIC EXPERTISE IN UNDERSTUDIED FAMILIES OF NEMATOCEROUS DIPTERA

8/15/09 to 7/31/12 RESEARCH

COURTNEY, GREGORY ENTOMOLOGY-AES/CALS

**$34,378** NATIONAL PORK BOARD

113561 THE ECONOMIC VALUE OF GENOMIC SELECTION TO SWINE BREEDING HERDS

8/1/11 to 7/31/12 RESEARCH

STALDER, KENNETH ANIMAL SCIENCE-AES/CALS

MABRY, JOHN ANIMAL SCIENCE-AES/CALS

DEKKERS, JACK ANIMAL SCIENCE-AES/CALS
July 01 - 31, 2011

I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$31,860 USDA-AGRICULTURAL RESEARCH SERVICES (ARS)

113075 RESEARCH SUPPORT AGREEMENT
10/1/10 to 9/30/11 RESEARCH
COATS, JOEL
ENTOMOLOGY-AES/CALS

$30,121 DOI-U.S. GEOLOGICAL SURVEY (USGS)

104807 OCCURRENCE AND ABUNDANCE OF TOPEKA SHINERS IN RESTORED OFF-CHANNEL HABITATS IN CENTRAL IOWA STREAMS
3/9/10 to 12/31/11 RESEARCH
PIERCE, CLAY
NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS
QUIST, MICHAEL
NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

$30,000 IOWA DEPARTMENT OF TRANSPORTATION

115554 ADA-RELATED PEDESTRIAN RAMP AND WORK ZONE TREATMENT TRAINING
7/7/11 to 6/30/12 RESEARCH
KNAPP, KEITH
INSTITUTE FOR TRANSPORTATION-VPR/ED
NAMBISAN, SHASHI
INSTITUTE FOR TRANSPORTATION-VPR/ED

$29,856 UNIVERSITY OF IOWA

114812 USING HUMAN ENTERIC VIRUS TO TRACK GROUNDWATER CONTAMINANTS TO A MUNICIPAL DRINKING WATER SUPPLY IN AN ALLUVIAL AQUIFER
6/1/11 to 5/31/12 RESEARCH
SIMPKINS, WILLIAM
GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS

$27,806 IOWA SOYBEAN ASSOCIATION

115187 ANALYSES OF DATA COLLECTED IN ON-FARM REPLICAED STRIP TRIALS USING HIERARCHICAL MODEL AND BAYESIAN STATISTICAL ANALYSIS
7/1/11 to 6/30/12 RESEARCH
CARAGEA, PETRUTA
STATISTICS-LAS
KAISER, MARK
STATISTICS-LAS

$27,799 IOWA DEPARTMENT OF TRANSPORTATION

115727 SAFETY AND MOBILITY IMPACTS OF WINTER WEATHER (PHASE 2)
7/15/11 to 1/31/12 RESEARCH
HANS, ZACHARY
INSTITUTE FOR TRANSPORTATION-VPR/ED
NAMBISAN, SHASHI
INSTITUTE FOR TRANSPORTATION-VPR/ED
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$27,799  IOWA DEPARTMENT OF TRANSPORTATION
115727  SAFETY AND MOBILITY IMPACTS OF WINTER WEATHER (PHASE 2)
7/15/11 to 1/31/12 RESEARCH
CO-PI
HAWKINS, NEAL  INSTITUTE FOR TRANSPORTATION-VPR/ED
$25,000  SCHNEIDER ELECTRIC
115725  IMPROVEMENT OF CIRCUIT-BREAKER DIELECTRIC PERFORMANCE
7/15/11 to 5/15/12 RESEARCH
CO-PI
BOWLER, NICOLA  MATERIALS SCIENCE & ENGINEERING-ENGR
MUMM, LYNNE  INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VPF
$24,733  DOD-ARMY CORPS OF ENGINEERS (USACE)
114693  WATER QUALITY MONITORING AT SAYLORVILLE LAKE (OPTION YEAR 2)
6/1/11 to 6/30/11 RESEARCH
CO-PI
LUTZ, DONNA  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
ONG, SAY  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
$24,390  USDA-AGRICULTURAL RESEARCH SERVICES (ARS)
114960  DEOXYNIVALENOL: HUMAN METABOLISM OF KEY METABOLITES AND TOXICITY PREDICTORS
7/7/11 to 7/6/12 RESEARCH
CO-PI
HENDRICH, SUZANNE  FOOD SCIENCE & HUMAN NUTRITION-HS
$23,439  DAVENPORT COMMUNITY SCHOOL DISTRICT
96282  FACTORS INFLUENCING THE HEALTH BEHAVIORS OF YOUNG AFRICAN AMERICAN ADULTS
7/1/08 to 12/31/11 RESEARCH
CO-PI
CUTRONA, CAROLYN  PSYCHOLOGY-LAS
$21,914  SOUTH DAKOTA STATE UNIVERSITY
115681  ANSWERLINE SERVICES FOR SOUTH DAKOTA EXTENSION CLIENTS
7/1/11 to 6/30/13 EXTENSION/PUBLIC
WARNING, JEANNE  EXTENSION TO FAMILIES-EXT
## II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

### 115799
**Enhanced Understanding of Conservation Agriculture**

- **Amount:** $21,405
- **Funding Body:** USDA-FOREIGN AGRICULTURAL SERVICE (FAS)
- **Period:** 7/6/11 to 12/31/13
- **Instructor:** BJELLAND, DENISE
- **Program:** GLOBAL AGRICULTURE PROGRAMS-AES/CALS

### 115512
**Development of Gem Line Starch to Improve Nutritional Value and Bio-Fuel Production**

- **Amount:** $20,195
- **Funding Body:** USDA-AGRICULTURAL RESEARCH SERVICES (ARS)
- **Period:** 7/29/09 to 8/31/12
- **Instructor:** JANE, JAY-LIN
- **Program:** FOOD SCIENCE & HUMAN NUTRITION-AES/CALS

### 115682
**Animal Health Systems Overview for Managers**

- **Amount:** $20,010
- **Funding Body:** USDA-FOREIGN AGRICULTURAL SERVICE (FAS)
- **Period:** 6/29/11 to 6/29/12
- **Instructor:** BJELLAND, DENISE
- **Program:** GLOBAL AGRICULTURE PROGRAMS-AES/CALS

### 114737
**Review of Breath Alcohol Ignition Interlock Devices: Policy and Implementation Implications**

- **Amount:** $20,000
- **Funding Body:** UNIVERSITY OF IOWA
- **Period:** 5/1/11 to 9/30/11
- **Instructor:** NAMBISAN, SHASHI
- **Program:** INSTITUTE FOR TRANSPORTATION-VPR/ED

### 115543
**Electronic Construction Collaboration System for Projects Under $10 Million: Completion Phase**

- **Amount:** $18,408
- **Funding Body:** KANSAS STATE UNIVERSITY
- **Period:** 7/1/08 to 6/30/12
- **Instructors:** JAHREN, CHARLES, NAMBISAN, SHASHI
- **Program:** CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR, INSTITUTE FOR TRANSPORTATION-VPR/ED

### 99475
**Vector Borne Transmission of Leishmania Infantum in the United States**

- **Amount:** $18,408
- **Funding Body:** VETERINARY PATHOLOGY-VET
- **Period:** 6/1/10 to 5/31/12
- **Instructor:** PETERSEN, CHRISTINE
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$16,302 UNIVERSITY OF GEORGIA
114258 EXTENSION MILITARY FAMILIES CHILD CARE PROJECT

3/1/11 to 2/29/12 EXTENSION/PUBLIC
OESTERREICH, LESIA HUMAN DEVELOPMENT & FAMILY STUDIES-EXT

$16,302 EXTENSION MILITARY FAMILIES CHILD CARE PROJECT

3/1/11 to 2/29/12 EXTENSION/PUBLIC
OESTERREICH, LESIA HUMAN DEVELOPMENT & FAMILY STUDIES-EXT

$15,340 USDA-AGRICULTURAL RESEARCH SERVICES (ARS)
115114 RESEARCH SUPPORT AGREEMENT

4/9/11 to 9/30/11 RESEARCH
REECY, JAMES ANIMAL SCIENCE-AES/CALS

$15,000 IOWA DEPARTMENT OF TRANSPORTATION
115683 IOWA TRAFFIC SAFETY DATA SERVICE (ITSDS)

5/1/05 to 6/30/12 RESEARCH
HANS, ZACHARY INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI NAMBIKAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

$14,630 IOWA CORN PROMOTION BOARD
115692 EFFECTS OF SUPPLEMENTATION OF THE ANTIOXIDANT VITAMIN C ON OXIDATIVE STRESS AND MEAT QUALITY

8/1/11 to 7/31/12 RESEARCH
HANSEN, STEPHANIE ANIMAL SCIENCE-AES/CALS
CO-PI LONERGAN, STEVEN ANIMAL SCIENCE-AES/CALS

$13,907 KOCH AGRONOMIC SERVICES, LLC
115584 ANHYDROUS AMMONIA DISTRIBUTION WITH PROTOTYPE ADDITIVE

6/20/11 to 12/20/11 EXTENSION/PUBLIC
HANNA, MARK AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
CO-PI SAWYER, JOHN AGRONOMY-EXT

$12,398 DOD-ARMY CORPS OF ENGINEERS (USACE)
114687 WATER QUALITY MONITORING AT LAKE RED ROCK (OPTION YEAR 2)

5/7/11 to 6/30/11 RESEARCH
LUTZ, DONNA CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI ONG, SAY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

July 01 - 31, 2011

$12,000 NSF-NATIONAL SCIENCE FOUNDATION

104620 A 21ST CENTURY REVITALIZED RESEARCH AND RESEARCH TRAINING INFRASTRUCTURE FOR CHEMICAL AND BIOLOGICAL ENGINEERING
10/1/10 to 9/30/13 MISCELLANEOUS
MALLAPRAGADA, S. CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
SHANKS, BRENT CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
NARASIMHAN, BALAJI CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
SHANKS, JACQUELINE CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
FOX, RODNEY CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

CO-PI

$12,000 NSF-NATIONAL SCIENCE FOUNDATION

114890 CCF (CIF): SMALL: RECURSIVE RECONSTRUCTION OF SPARSE SIGNAL SEQUENCES
7/18/11 to 6/30/12 RESEARCH
VASWANI, NAMRATA ELECTRICAL & COMPUTER ENGINEERING-ENGR

CO-PI

$12,000 IOWA DEPARTMENT OF TRANSPORTATION

115398 EVALUATION OF SAFETY EDGE IN IOWA-PHASE 2
7/7/11 to 12/31/12 RESEARCH
HALLMARK, SHAUNA CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
MCDONALD, THOMAS INSTITUTE FOR TRANSPORTATION-VPR/ED
SPERRY, ROBERT INSTITUTE FOR TRANSPORTATION-VPR/ED
NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

CO-PI

$10,000 IDAHO NATIONAL LABORATORY

114371 CREATING INTERACTIVE GIS TOOLS FOR DEFINING REGIONS OF INTEREST IN MINERVAGIS
6/21/11 to 9/30/11 RESEARCH
BRYDEN, KENNETH MECHANICAL ENGINEERING-ENGR
MCCORKLE, DOUGLAS VIRTUAL REALITY APPLICATIONS CENTER - IPRT-VPR/ED

CO-PI

$10,000 PIONEER HI-BRED INTERNATIONAL INC

115755 EVALUATION OF HYBRIDS WITH THE RCG1 GENE FOR ANTHRACNOSE RESISTANCE
4/1/11 to 3/31/12 RESEARCH
ROBERTSON, ALISON PLANT PATHOLOGY-AES/CALS
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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<th>Grant Number</th>
<th>Description</th>
<th>Date Range</th>
<th>Responsible Unit</th>
<th>Amount</th>
<th>Principal Investigator(s)</th>
<th>Project Title</th>
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<td>115988</td>
<td>Testing Stoller Products Against SDS</td>
<td>4/1/10 to 10/30/11</td>
<td>Plant Pathology-AES/CALS</td>
<td>$10,000</td>
<td>Leandro, Leonor</td>
<td>LEANDRO, LEONOR TESTING STOLLER PRODUCTS AGAINST SDS</td>
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<td>115205</td>
<td>Providing Early Detection of Brown Marmorated Stink Bug in Iowa</td>
<td>5/1/11 to 4/30/12</td>
<td>Entomology-AES/CALS</td>
<td>$9,938</td>
<td>Hodgson, Erin, Oneal, Matthew, Jesse, Laura</td>
<td>HODGSON, ERIN ONEAL, MATTHEW JESSE, LAURA PROVIDING EARLY DETECTION OF BROWN MARMORATED STINK BUG IN IOWA</td>
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<td>115855</td>
<td>Research Support Agreement</td>
<td>6/17/11 to 9/30/11</td>
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<td>Coats, Joel</td>
<td>COATS, JOEL RESEARCH SUPPORT AGREEMENT</td>
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<td>115857</td>
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<td>Veterinary Microbiology &amp; Preventive Medicine-Vet</td>
<td>$9,001</td>
<td>Wannemuehler, Michael</td>
<td>WANNEMUEHLER, MICHAEL RESEARCH SUPPORT AGREEMENT</td>
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<td>115363</td>
<td>Mountain Plover Migration with Geolocators</td>
<td>5/1/11 to 9/30/11</td>
<td>Natural Resource Ecology &amp; Management-AES/CALS</td>
<td>$8,500</td>
<td>Dinsmore, Stephen</td>
<td>DINSMORE, STEPHEN MOUNTAIN PLOVER MIGRATION WITH GEOLOCATORS</td>
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<td>114814</td>
<td>Technology Specialist for the Army Youth Development</td>
<td>10/1/10 to 9/30/11</td>
<td>Extension/Public</td>
<td>$6,636</td>
<td>Morris, John</td>
<td>MORRIS, JOHN TECHNOLOGY SPECIALIST FOR THE ARMY YOUTH DEVELOPMENT</td>
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I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

**July 01 - 31, 2011**

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<th>Grant Number</th>
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<th>Amount</th>
<th>Start Date - End Date</th>
<th>Recipient(s) and Department(s)</th>
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<td>111266</td>
<td>EMERGING FUNCTIONS OF MITOCHONDRIAL FISSION IN POSTISCHEMIC ENDOTHELIAL CELLS</td>
<td>$6,634</td>
<td>7/15/11 to 5/31/12</td>
<td>MATZAVINOS, ANASTASIOS, MATHEMATICS-LAS</td>
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<td>111936</td>
<td>AGE STRUCTURE AND GROWTH OF INVASIVE COMMON CARP POPULATIONS IN THE MALHEUR NATIONAL WILDLIFE REFUGE</td>
<td>$6,563</td>
<td>7/22/11 to 12/31/11</td>
<td>PIERCE, CLAY, NATURAL RESOURCE ECOLOGY &amp; MANAGEMENT-AES/CALS</td>
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<td>115779</td>
<td>TWO-DAY TRAINING IN GEOGRAPHIC INFORMATION SYSTEMS-ESSENTIALS OF ARCGIS 10</td>
<td>$6,557</td>
<td>7/15/11 to 9/30/11</td>
<td>JENSEN, ALAN, EXTENSION COMMUNITY &amp; ECONOMIC DEVELOPMENT-EXT, NAMBIHAN, SHASHI, INSTITUTE FOR TRANSPORTATION-VPR/ED</td>
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<td>113066</td>
<td>RESEARCH SUPPORT AGREEMENT</td>
<td>$5,879</td>
<td>10/1/10 to 9/30/11</td>
<td>HAYNES, JOSEPH, VETERINARY PATHOLOGY-VET</td>
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<td>114401</td>
<td>DISSEMINATION OF THE VERB SUMMER SCORECARD PROGRAM IN RURAL IOWA COMMUNITIES</td>
<td>$5,465</td>
<td>3/1/11 to 2/29/12</td>
<td>WELK, GREGORY, KINESIOLOGY-HS</td>
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<td>115401</td>
<td>COMMUNITY ASSESSMENTS: KEY COMPONENTS TO SUCCESSFUL COMMUNITY-BASED WATERSHED IMPROVEMENT PROJECTS-YELLOW RIVER WATERSHED PROJECT</td>
<td>$5,000</td>
<td>6/1/11 to 12/31/11</td>
<td>COMITO, JACQUELINE, SOCIOLOGY-EXT</td>
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<td>115403</td>
<td>$5,000 COMMUNITY ASSESSMENTS: KEY COMPONENTS TO SUCCESSFUL COMMUNITY-BASED WATERSHED IMPROVEMENT PROJECTS-BADGER CREEK LAKE WATERSHED PROJECT 6/1/11 to 12/31/11 EXTENSION/PUBLIC COMITO, JACQUELINE SOCILOGY-EXT</td>
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<td>115637</td>
<td>$5,000 USDA-ECONOMIC RESEARCH SERVICE (ERS) THE FOOD ENVIRONMENT: THE EFFECTS OF CONTEXT ON FOOD CHOICE 7/15/11 to 9/30/12 RESEARCH JENSEN, HELEN ECONOMICS-AES/CALS</td>
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<td>98346</td>
<td>$4,068 DARTMOUTH COLLEGE PSYCHOLOGICAL AND BEHAVIORAL PREDICTORS OF HPV VACCINATION IN AFRICAN AMERICAN WOMEN 4/1/09 to 12/31/11 RESEARCH CUTRONA, CAROLYN PSYCHOLOGY-LAS</td>
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<td>114872</td>
<td>$2,500 BAYER CROP SCIENCE CORN FUNGICIDE SEED TREATMENT FIELD TRIAL 4/15/11 to 3/31/12 RESEARCH ROBERTSON, ALISON PLANT PATHOLOGY-AES/CALS</td>
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<td>114231</td>
<td>$2,000 IOWA ACADEMY OF SCIENCE THE EVOLUTION OF PHOTO AND CHEMOSENSORY SYSTEMS IN THE SCALLOP, ARGEOPECTEN IRRADIANS 7/1/11 to 6/30/12 RESEARCH SERB, JEANNE CO-PI PAIRETT, AUTUM ECOLOGY, EVOLUTION &amp; ORGANISIMAL BIOLOGY-AES/CALS</td>
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<td>113085</td>
<td>$1,388 AMERICAN RED CROSS LOCAL SUPPORT FOR IOWA AMERICORPS STATE OF PROMISE PROGRAM 9/1/10 to 8/31/11 EXTENSION/PUBLIC LEVINGS, JUDITH EXTENSION 4-H YOUTH DEVELOPMENT-EXT</td>
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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$908 BOEHRINGER INGELHEIM VETMEDICA INC
115032 EVALUATION OF INTRAVENOUS MELOXICAM FOR CONTROLLING/REDUCING INTRAOCULAR INFLAMMATION IN DOGS
1/1/11 to 6/30/11 RESEARCH
BETTS, DANIEL VETERINARY CLINICAL SCIENCES-VET

$843 IOWA DEPARTMENT OF PUBLIC HEALTH
108279 1-800 BETS OFF: IOWA GAMBLING TREATMENT PROGRAM HELPLINE
7/1/10 to 6/30/11 EXTENSION/PUBLIC
VANGINKEL, MARGARET EXTENSION TO FAMILIES-EXT

$154 IOWA DEPARTMENT OF PUBLIC HEALTH
111122 I-SMILE WEBSITE MAINTENANCE
7/1/09 to 7/31/11 EXTENSION/PUBLIC
VANGINKEL, MARGARET EXTENSION TO FAMILIES-EXT