II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$5,557,692 DEPARTMENT OF EDUCATION
Pell Grant, FY08
7/1/07 to 6/30/08 STUDENT FINANCIAL AID
JOHNSON, ROBERTA VICE PRESIDENT FOR STUDENT AFFAIRS

$3,727,511 IOWA STATE UNIVERSITY FOUNDATION
Coover Addition and Renovation
7/1/07 to 12/31/99 BUILDING
REINTS, ELLEN ENGINEERING ADMINISTRATION

$3,319,729 IOWA STATE UNIVERSITY FOUNDATION
Alumni Center
7/1/07 to 12/31/99 BUILDING
JOHNSON, JEFFERY ALUMNI ASSOCIATION

$3,024,029 VARIOUS SPONSORS
Scholarship Support for Fall 2007
8/20/07 to 12/14/07 SCHOLARSHIP
JOHNSON, ROBERTA VICE PRESIDENT FOR STUDENT AFFAIRS

$2,560,779 CONOCOPHILLIPS COMPANY
Biofuels Research Program (2008)
1/1/08 to 12/31/08 RESEARCH
BROWN, ROBERT MECHANICAL ENGINEERING-ENGR
HARGROVE, MARK BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS
SUNG, SHIH-WU CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
MCCLELLAND, JOHN INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY-VPR/ED
MEYER, TERRENCE MECHANICAL ENGINEERING-ENGR
PHILLIPS, GREGORY VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
SHANKS, BRENT CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
HORTON, ROBERT AGRONOMY-AES
ANEX, ROBERT AGRICULTURAL & BIOSYSTEMS ENGINEERING-ENGR
BOBIK, THOMAS BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES
LIEBMAN, MATTHEW AGRONOMY-AES
BIRRELL, STUART AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES
DUFFY, MICHAEL ECONOMICS-AES
HEINDEL, THEODORE MECHANICAL ENGINEERING-ENGR
HORTON, GLENN CENTER FOR SUSTAINABLE ENVIRONMENTAL TECHNOLOGIES - IPRT-VPR/ED
NIKOLAU, BASIL BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

<table>
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<tr>
<th>Sponsor/Department</th>
<th>Amount</th>
<th>Project Description</th>
<th>Principal Investigator(s)</th>
<th>Role/Department</th>
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<td>DEPARTMENT OF AGRICULTURE, NRI</td>
<td>$950,000</td>
<td>Host Pathogen Interactions in Avian Colibacillosis: A Systems-Based, Functional Genomics Approach</td>
<td>NOLAN, LISA</td>
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<td>IOWA CATTLEMENS ASSOCIATION</td>
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<td>Multi-State Vegetative Treatment System Technology Implementation</td>
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<td>Operating and Management Support for the Ames Laboratory</td>
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## II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

### 1. Federal Aviation Administration
- **Amount:** $625,843
- **Grant Title:** Generation of Probability of Detection Curves for Ultrasonic Detection of Simulated Hard Alpha Inclusions in Titanium Forgings
- **Start Date:** 2/19/08
- **End Date:** 11/30/09
- **Research**
- **Co-PIs:**
  - BRASCHE, LISA
  - THOMPSON, R.
  - MEEKER, WILLIAM

### 2. United Soybean Board
- **Amount:** $485,714
- **Grant Title:** Agronomic Limitations of Soybean Yield and Seed Quality in the United States
- **Start Date:** 9/1/08
- **End Date:** 12/31/09
- **Research**
- **Principal Investigator:** PEDERSEN, PALLE

### 3. Iowa State University Foundation
- **Amount:** $448,433
- **Grant Title:** Student Success Center
- **Start Date:** 7/1/07
- **End Date:** 12/31/09
- **Building**
- **Principal Investigator:** HIRA, TAHIRA

### 4. Department of Education
- **Amount:** $420,683
- **Grant Title:** Academic Competitiveness Grant, FY08
- **Start Date:** 7/1/07
- **End Date:** 6/30/08
- **Student Financial Aid**
- **Principal Investigator:** JOHNSON, ROBERTA

### 5. National Institutes of Health
- **Amount:** $368,231
- **Grant Title:** Preterm Birth, Lung Innate Immunity and RSV
- **Start Date:** 2/1/08
- **End Date:** 1/31/09
- **Research**
- **Co-PIs:**
  - ACKERMAN, RONALD
  - BROCKUS, CHARLES W
  - EVANS, RICHARD

### 6. Department of Education
- **Amount:** $322,696
- **Grant Title:** National Science and Mathematics Access to Retain Talent (SMART) Grant, FY08
- **Start Date:** 7/1/07
- **End Date:** 6/30/08
- **Student Financial Aid**
- **Principal Investigator:** JOHNSON, ROBERTA
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$313,504  IOWA STATE UNIVERSITY FOUNDATION
MacKay Hall - Human Sciences Remodeling
7/1/07 to 12/31/99 BUILDING
ACHTERBERG, CHERYL  HUMAN SCIENCES ADMINISTRATION

$308,000  NATIONAL SCIENCE FOUNDATION
Role of Structurally Directed Electron Density and Transannulation in Lewis Base and Lewis Acid Catalysis
4/1/08 to 3/31/11 RESEARCH
VERKADE, JOHN  CHEMISTRY-LAS

$300,000  SMALL BUSINESS ADMINISTRATION
Small Business Development Center Small Business Administration Cooperative Agreement
10/1/07 to 9/30/08 EXTENSION/PUBLIC
HECKMANN, JAMES  SMALL BUSINESS DEVELOPMENT CENTER

$300,000  GREATER DES MOINES COMMUNITY FOUNDATION
Iowa Microenterprise Assistance Program
12/1/07 to 12/31/10 EXTENSION/PUBLIC
EDELMAN, MARK  ECONOMICS

$289,401  IOWA STATE UNIVERSITY FOUNDATION
Seed Science Building Addition
7/1/07 to 12/31/99 BUILDING
MISRA, MANJIT  SEED SCIENCE CENTER-AES

$253,609  NATIONAL INSTITUTES OF HEALTH
Neuroprotective Strategies in Parkinson's Disease
4/1/08 to 3/31/09 RESEARCH
KANTHASAMY, ANUMANTHA  BIOMEDICAL SCIENCES

$224,940  NATIONAL INSTITUTES OF HEALTH
Modulation and Resistance of Levamisole Receptor Channels
1/1/08 to 12/31/08 RESEARCH
MARTIN, RICHARD  BIOMEDICAL SCIENCES
### II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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<td>$160,667</td>
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<td>Targeting a Novel Silencer to Correct SMN2 Splicing in Spinal Muscular Atrophy</td>
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<td>CAREER: Distributed Space-Time Processing for Sensor Networks</td>
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<td>$150,000</td>
<td>OFFICE OF NAVAL RESEARCH</td>
<td>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</td>
<td>12/1/06</td>
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<td>$149,966</td>
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<td>Grass-Fed and Organic Beef: Production Costs and Profit Potential</td>
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February 01 - 29, 2008

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$138,072  IOWA STATE UNIVERSITY FOUNDATION  502-06-05
    College of Veterinary Medicine - Classroom 1226 and 1228
    7/1/07 to 12/31/99  BUILDING
    THOMSON, JOHN  VETERINARY ADMINISTRATION-VET

$133,532  VARIOUS SPONSORS  207-57-91
    Scholarship Support for Summer 2007
    5/21/07 to 8/10/07  SCHOLARSHIP
    JOHNSON, ROBERTA  VICE PRESIDENT FOR STUDENT AFFAIRS

$130,224  NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  422-46-05
    Quantifying the Effect of Intercepted Precipitation and Dew on Terrestrial Microwave Emission at L-Band
    1/1/08 to 12/31/10  RESEARCH
    HORNBUCKLE, BRIAN  AGRONOMY
    GLEASON, MARK  PLANT PATHOLOGY

$125,000  UNIVERSITY OF KENTUCKY  404-25-39
    High Resolution 3D CT Scans of Scrolls
    9/1/06 to 8/31/08  RESEARCH
    GRAY, JOSEPH  MECHANICAL ENGINEERING

$124,576  WEST CENTRAL COOPERATIVE  404-20-37
    Engine Testing Project
    8/14/07 to 9/30/08  RESEARCH
    KONG, SONG-CHARNG  MECHANICAL ENGINEERING

$121,800  PURDUE UNIVERSITY  410-40-54
    Novel Aseptic Processing and Packaging of Ready-to-Eat Frankfurters
    9/1/08 to 8/31/09  RESEARCH
    DICKSON, JAMES  ANIMAL SCIENCE
    SEBRANEK, JOSEPH  ANIMAL SCIENCE

$120,000  NATIONAL SCIENCE FOUNDATION  420-25-44
    Activation of Oxygen: Mechanistic Aspects of Electron Transfer and Atom Transfer
    2/1/06 to 1/31/09  RESEARCH
    BAKAC, ANDREJA  AMES LABORATORY
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$120,000 FORD RESEARCH LABORATORY
Develop High-Fidelity Numerics and Models to Enhance Engine Simulation
1/1/08 to 12/31/08 RESEARCH
KONG, SONG-CHARNG MECHANICAL ENGINEERING

$115,000 NATIONAL SCIENCE FOUNDATION
Conformationally Controllable Amphiphiles and Their Applications in Sensor Design
2/1/08 to 1/31/09 RESEARCH
ZHAO, YAN CHEMISTRY

$108,000 METABOLIX, INC
Advanced Biorefinery Feedstocks
1/1/07 to 6/30/08 RESEARCH
WURTELE, EVE GENETICS, DEVELOPMENT & CELL BIOLOGY

$106,875 ALASKA UNIVERSITY
Seismic Design of Deep Bridge Pier Foundations in Frozen Ground
8/3/07 to 6/30/08 RESEARCH
SRITHARAN, SIVALINGAM CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING

$100,974 DOW AGROSCIENCES, LLC
High Expression of Proteins in Plant Cells by Maximizing Plant Virus Translation Efficiency
2/1/08 to 2/1/09 RESEARCH
MILLER, WYATT PLANT PATHOLOGY

$100,378 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Modeling the Diffuse Galactic Gamma-Ray Emission
1/1/08 to 12/31/08 RESEARCH
POHL, MARTIN PHYSICS & ASTRONOMY

$100,000 PETROLEUM RESEARCH FUND, AMERICAN CHEMICAL SOCIETY
Romp Healing Agent Development for Self-Healing Materials
3/1/08 to 8/31/10 RESEARCH
KESSLER, MICHAEL MATERIALS SCIENCE & ENGINEERING
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$100,000 CONCRETE STEEL REINFORCING INSTITUTE
Management of the National Concrete Pavement Technology Center
1/1/08 to 12/31/08 DEPT/ADMIN SUPPORT
CACKLER, ELLS CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED

$98,172 KENT STATE UNIVERSITY
Self-Assembled Soft Optical NIMS
1/1/07 to 9/30/08 RESEARCH
SOUKOU LIS, COSTAS PHYSICS & ASTRONOMY

$88,348 INSTITUTE FOR CHARACTER DEVELOPMENT
Program Evaluation of the Iowa Character Counts Initiative
11/1/07 to 10/30/08 RESEARCH
GALLOWAY, ROBIN RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS
KEMIS, MARI RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS

$85,500 IOWA SOYBEAN ASSOCIATION
Fusarium Species Infecting Soybean Roots: Risks and Management Tools
3/1/08 to 9/30/08 RESEARCH
MUNKVOLD, GARY PLANT PATHOLOGY
LEANDRO, LEONOR PLANT PATHOLOGY
TYLKA, GREGORY PLANT PATHOLOGY
PEDERSEN, PALLE AGRONOMY
ROBERTSON, ALISON PLANT PATHOLOGY
CIANZIO, SILVIA AGRONOMY

$81,568 NATIONAL SCIENCE FOUNDATION
Cultural Construction of Honor in Turkey and the United States
5/15/07 to 4/30/10 RESEARCH
CROSS, SUSAN PSYCHOLOGY

$80,000 DEPARTMENT OF ARMY
Assessment of the Ecological Bridge Concept
2/27/08 to 7/31/09 RESEARCH
WILSEY, BRIAN ECOLOGY, EVOLUTION & ORGANISIMAL BIOLOGY-LAS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$75,000  AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
Potential Energy Surfaces and Dynamics for Energetic Ionic Liquids
12/1/07  to  11/30/08  RESEARCH
GORDON, MARK  CHEMISTRY-LAS

$74,027  SKYWORKS SOLUTIONS, INC
Analysis and Prediction of Back Gating Effects in GaAs PHEMT RF Switches
1/1/08  to  1/1/09  RESEARCH
WEBER, ROBERT  ELECTRICAL & COMPUTER ENGINEERING-ENGR
MUFF, BRIAN  INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED

$63,695  IOWA STATE UNIVERSITY FOUNDATION
Hamilton Hall - Remodel Second Floor
7/1/07  to  12/31/99  BUILDING
BUGEDA, MICHAEL  GREENLEE SCHOOL OF JOURNALISM & COMMUNICATION

$62,472  KANSAS STATE UNIVERSITY
The Biofuels Revolution: Understanding the Social, Cultural and Economic Impacts of Biofuels Development on Rural Communities
9/1/07  to  8/31/08  RESEARCH
BAIN, CARMEN  SOCIOLOGY

$60,419  UNIVERSITY OF CENTRAL FLORIDA
Collaborative Research: A JML Community Infrastructure - Revitalizing Tools and Documentation to Aid Formal Methods Research
9/28/07  to  6/30/08  RESEARCH
BASU, SAMIK  COMPUTER SCIENCE
RAJAN, HRIDESH  COMPUTER SCIENCE

$60,000  IOWA DEPARTMENT OF PUBLIC SAFETY
12/14/07  to  9/30/08  EXTENSION/PUBLIC
KIEFFER, JULIE  CONTINUING EDUCATION & COMMUNICATION SERVICES

$59,377  PARSONS, BRINCKERHOFF, QUADE AND DOUGLAS
MN/DOT Cost Estimation Process Improvement and Organizational Integration Project
5/31/07  to  9/30/08  RESEARCH
SHANE, JENNIFER  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$55,059  UNITED SOYBEAN BOARD  459-23-06
FY 2008 Request for Proposal for Literature Review of Health Effects Testing Related to Livestock Production
1/1/08  to  9/30/08  RESEARCH

CO-PI  OCONNOR, ANNETTE  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE
BICKETT-WEDDLE, DANELLE  CENTER FOR FOOD SECURITY & PUBLIC HEALTH
RAMIREZ, ALEJANDRO  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE

$51,000  IOWA DEPARTMENT OF TRANSPORTATION  474-17-30
Evaluation of Rumble Stripes on Low Volume Rural Roads in Iowa
11/1/07  to  9/30/11  RESEARCH

CO-PI  HALLMARK, SHAUNA  CIVIL, CONSTRUCTION & ENVIRONMENTAL ENGINEERING
MCDONALD, THOMAS  CENTER FOR TRANSPORTATION RESEARCH & EDUCATION

$50,089  AIR FORCE RESEARCH LABORATORY  421-20-07
Assessment of Adaptive Guidance for Responsive Launch Vehicles and Spacecraft
11/18/05  to  1/29/09  RESEARCH

LU, PING  AEROSPACE ENGINEERING

$50,000  UNIVERSITY OF MINNESOTA  410-30-85
Field Training: Impact of Biomass Removal for Bioenergy on Soil and Water Quality
1/1/08  to  1/1/10  EXTENSION/PUBLIC

AL-KAISI, MAHDI  AGRONOMY

$50,000  ALLIANT ENERGY  400-20-70
Alliant Energy-Electrical Power Research Center
2/15/08  to  12/31/08  RESEARCH

BAIRD, TOM  ELECTRIC POWER RESEARCH CENTER

$50,000  PJM INTERCONNECTION, LLC  400-20-42
PJM-EPRC
8/4/06  to  12/31/08  RESEARCH

BAIRD, TOM  ELECTRIC POWER RESEARCH CENTER-ENGR
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$50,000  UNITED EGG PRODUCERS
Feeding DDGS and Other Altered Diets to Egg Laying Hens to Demonstrate Economically Viable Reductions in Ammonia Emissions—A United Egg Producers Endeavor with University Collaborators
10/1/07 to 3/31/10  RESEARCH
XIN, HONGWEI  AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES

$47,719  REB RESEARCH
Membranes for Hydrogen Recovery
10/1/05 to 9/30/08  RESEARCH
RUSSELL, ALAN  MATERIALS SCIENCE & ENGINEERING-ENGR

$46,778  NATIONAL COLLEGIATE INVENTORS & INNOVATORS ALLIANCE
Developing Sustainable Off-Grid Energy Systems in Rural Mali
2/1/08 to 7/1/09  RESEARCH
BRYDEN, KENNETH  MECHANICAL ENGINEERING
LESAR, RICHARD  MATERIALS SCIENCE & ENGINEERING

$40,000  RENSSELAER POLYTECHNIC INSTITUTE
Electromagnetic Field Concentration for Enhanced Infrared Detection
6/15/06 to 11/30/08  RESEARCH
HO, KAI-MING  PHYSICS & ASTRONOMY

$40,000  IOWA DEPARTMENT OF TRANSPORTATION
Impact of Low Shrinkage Mixes on Late-Age Random Cracking in Pavements with Use of Early Entry Sawing
3/1/08 to 2/28/09  RESEARCH
WANG, KEJIN  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING
TAYLOR, PETER  CENTER FOR TRANSPORTATION RESEARCH & EDUCATION

$38,785  IOWA STATE UNIVERSITY FOUNDATION
Curtiss Hall Renovation Planning Study
7/1/07 to 12/31/99  BUILDING
WINTERSTEEN, WENDY  AGRICULTURE ADMINISTRATION-AES

$36,949  PUCK CUSTOM ENTERPRISE
Evaluation of a Swine Slurry Dewatering System
11/30/07 to 12/1/09  RESEARCH
BURNS, ROBERT  AGRICULTURAL & BIOSYSTEMS ENGINEERING
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$36,949  PUCK CUSTOM ENTERPRISE  AGRICULTURAL & BIOSYSTEMS ENGINEERING
Evaluation of a Swine Slurry Dewatering System
11/30/07  to  12/1/09  RESEARCH
CO-PI  MOODY, LARA

$35,872  ARMY CORPS OF ENGINEERS  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
Water Quality Study, Red Rock Reservoir
1/1/08  to  6/30/08  RESEARCH
CO-PI  MOODY, LARA  LUTZ, DONNA  ONG, SAY

$35,000  KNOLLS ATOMIC POWER LABORATORY  CENTER FOR NONDESTRUCTIVE EVALUATION
Center for Nondestructive Evaluation Membership
1/1/08  to  12/31/09  RESEARCH
THOMPSON, R.

$34,969  IOWA DEPARTMENT OF TRANSPORTATION  CENTER FOR TRANSPORTATION RESEARCH & EDUCATION
Low-Volume Road Safety
11/26/07  to  9/30/08  RESEARCH
CO-PI  SOULEYRETTE, REGINALD  HANS, ZACHARY  MCDONALD, THOMAS

$33,233  ALASKA UNIVERSITY  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING
Seismic Design of Deep Bridge Pier Foundations in Frozen Ground
8/3/07  to  6/30/09  RESEARCH
SRITHARAN, SIVALINGAM

$33,026  IOWA DEPARTMENT OF TRANSPORTATION  CENTER FOR TRANSPORTATION RESEARCH & EDUCATION
Smart Work Zone Deployment Initiative Administration - Year 2008
1/1/08  to  12/31/08  RESEARCH
CO-PI  MAZE, THOMAS  MCDONALD, THOMAS
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$30,082 NATIONAL INSTITUTES OF HEALTH
Novel Biodegradable Nanoadjuvants for Immunotherapy of Pancreatic Cancer
9/30/07 to 9/29/08 RESEARCH
NARASIMHAN, BALAJI CHEMICAL & BIOLOGICAL ENGINEERING

$30,000 IOWA SOYBEAN ASSOCIATION
Development of a Soybean Aphid Early-Warning System to Predict Aphid Outbreaks and Provide Valuable Information on Aphid Management to Soybean Producers
1/1/08 to 12/31/08 RESEARCH
COATS, JOEL ENTOMOLOGY
ZHOU, JUNWEI ENTOMOLOGY

$30,000 IOWA SOYBEAN ASSOCIATION
Non-Host Resistance for Creating Broad-Spectrum Disease Resistance in Soybean
10/1/07 to 9/30/08 RESEARCH
BHATTACHARYYA, MADAN AGRONOMY

$30,000 IOWA DEPARTMENT OF NATURAL RESOURCES
Study of the Invasive Pest Emerald Ash Borer in Iowa
10/1/07 to 9/30/08 EXTENSION/PUBLIC
SHOUR, MARK ENTOMOLOGY

$30,000 BOEING COMPANY
NSF I/UCRC Center for Information Protection - Boeing
1/1/08 to 12/31/08 RESEARCH
JACOBSON, DOUG ELECTRICAL & COMPUTER ENGINEERING

$30,000 RAYTHEON NETWORK CENTRIC SYSTEMS
NSF I/UCRC Center for Information Protection - Raytheon
1/1/08 to 12/31/08 RESEARCH
JACOBSON, DOUG ELECTRICAL & COMPUTER ENGINEERING

$29,395 NATIONAL INSTITUTES OF HEALTH
Host-Flora Interactions: Susceptibility to Colitis
1/27/08 to 1/26/09 FELLOWSHIP
WANNEMUEHLER, MICHAEL VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

<table>
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<td>Evaluating Food Safety of GM Crops-Opportunities for India Borlaug Fellow at Iowa State University</td>
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<td>Real-Time RT-QPCR for Detection of Equine Infectious Anemia Virus</td>
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<td>1/14/08</td>
<td>6/30/08</td>
<td>ANTHROPOLOGY-LAS</td>
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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$19,727 CITY OF AMES
Micro-Aeration for Hydrogen Sulfide Removal in Biogas at Ames Water Pollution Control Facility
12/1/07 to 5/31/08 RESEARCH
SUNG, SHIHWU CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING

$19,399 NATIONAL GEOGRAPHIC SOCIETY
Chimpanzee Behavior in a Savanna-Mosaic Environment
1/1/08 to 12/31/08 RESEARCH
PRUETZ, JILL ANTHROPOLOGY

$19,141 DEPARTMENT OF AGRICULTURE
Ukraine Agriculture Policy, Grain Marketing and Farmer Cooperation
4/1/06 to 3/31/11 EXTENSION/PUBLIC
HANSEN, RAYMOND SCHULTZ, MADELINE CO-PI

$19,000 UNIVERSITY OF KENTUCKY
Biosystems and Agricultural Engineering Training - Educational Consortium for Sustainable Plant and Animal Production
9/1/07 to 8/31/08 INSTRUCTION/TRAINING
XIN, HONGWEI STEWARD, BRIAN CO-PI

$18,010 DEPARTMENT OF AGRICULTURE, FAS
Borlaug Fellows Program - Morocco (Spring 2008)
1/25/08 to 9/30/11 INSTRUCTION/TRAINING
BJELLAND, DENISE GLOBAL AGRICULTURE PROGRAMS

$17,152 RENEWABLE ENERGY GROUP, INC
Biological Conversion of Glycerol into Oil
2/12/08 to 8/31/08 RESEARCH
BEATTIE, SAM HAMMOND, EARL G POMETTO, ANTHONY BENTLEY, KIMBERLY CO-PI CO-PI CO-PI CO-PI

FOOD SCIENCE & HUMAN NUTRITION-HS
FOOD SCIENCE & HUMAN NUTRITION-AES
FOOD SCIENCE & HUMAN NUTRITION-CALS
INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$15,000 PRINCIPAL FINANCIAL GROUP, INC
NSF I/UCRC Center for Information Protection - Principal
1/1/08 to 12/31/08 RESEARCH
JACOBSON, DOUG ELECTRICAL & COMPUTER ENGINEERING

$14,069 IOWA STATE UNIVERSITY FOUNDATION
Town Engineering-Remodel Rooms 0194 and 0194A
7/1/07 to 12/31/99 BUILDING
JONES, STEPHEN CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING

$14,000 DEPARTMENT OF AGRICULTURE
Research Support Agreement
2/7/08 to 9/30/08 RESEARCH
LAMKEY, KENDALL AGRONOMY

$12,025 VARIOUS SPONSORS
Scholarship Support for Summer 2007
5/21/07 to 8/10/07 SCHOLARSHIP
JOHNSON, ROBERTA VICE PRESIDENT FOR STUDENT AFFAIRS

$11,806 IOWA DEPARTMENT OF TRANSPORTATION
Relating Plant Distributions to Species Diversity in Invasibility in Prairie Restorations
2/5/08 to 6/30/09 RESEARCH
CO-PI WILSEY, BRIAN ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY
CO-PI YURKONIS, KATHRYN ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY
CO-PI MOLONEY, KIRK ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY

$11,038 IOWA STATE UNIVERSITY FOUNDATION
Parks Library - Electrical for Learning Connections Center
7/1/07 to 12/31/99 BUILDING
MADISON, OLIVIA PARKS LIBRARY

$10,000 THE RODALE INSTITUTE
No-Till Plus Project
3/1/05 to 11/15/08 RESEARCH
DELATE, KATHLEEN HORTICULTURE-AES
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$9,979 ENVIROMENTAL PROTECTION AGENCY
Small-Scale Fuel Alcohol Production to Meet University Vehicle Fuel Needs and Promote Regional Sustainable Development
9/1/07 to 8/31/08 INSTRUCTION/TRAINING

CO-PI
STEWARD, BRIAN AGRICULTURAL & BIOSYSTEMS ENGINEERING
BRUMM, THOMAS AGRICULTURAL & BIOSYSTEMS ENGINEERING

$9,510 MICHIGAN STATE UNIVERSITY
Assessing the Status of Buffer Zones in Organic Production: Is There Room for Improvement?
11/1/07 to 6/14/08 RESEARCH

CO-PI
ONEAL, MATTHEW ENTOMOLOGY
SAPP, STEPHEN SOCIOLOGY

$9,422 IOWA DEPARTMENT OF TRANSPORTATION
Effects of Seeding Data, Priority Effects, and Native Cover Crops on Prairie Establishment
2/5/08 to 6/30/09 RESEARCH

WILSEY, BRIAN ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY

$7,813 UNIVERSITY OF KENTUCKY
Refinement and Enhancement of Agricultural Safety Curricula for Children
8/1/07 to 7/31/08 EXTENSION/PUBLIC

SCHWAB, CHARLES AGRICULTURAL & BIOSYSTEMS ENGINEERING

$7,776 IOWA AGRICULTURAL DEVELOPMENT AUTHORITY
Iowa Agricultural Youth Institute 2008
1/1/08 to 8/4/08 EXTENSION/PUBLIC

BROSHAR, DONNIE EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$6,870 UNIVERSITY OF CALIFORNIA, DAVIS
An Assessment of the Nutritional Status of Vegetarian and Non-Vegetarian Pre-School Children
1/1/08 to 9/30/08 RESEARCH

MARQUIS, GRACE S FOOD SCIENCE & HUMAN NUTRITION

$6,833 SANFILIPPO CHILDRENS RESEARCH FOUNDATION
Support for Research on MPS IIIB and IIIC
11/1/06 to 10/31/08 RESEARCH

ELLINWOOD, NORMAN ANIMAL SCIENCE
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$6,093   IOWA STATE UNIVERSITY FOUNDATION
Horticulture Greenhouse Replacement
7/1/07 to 12/31/99 BUILDING
WINTERSTEEN, WENDY AGRICULTURE ADMINISTRATION-AES

$6,023   UNITED ACTION FOR YOUTH
Local Support for Iowa AmeriCorps State of Promise Program
9/1/07 to 8/31/08 EXTENSION/PUBLIC
BROSHAR, DONNIE 4H YOUTH DEVELOPMENT

$6,023   CENTERVILLE COMMUNITY SCHOOL DISTRICT
Local Support for Iowa AmeriCorps State of Promise Program
9/1/07 to 8/31/08 EXTENSION/PUBLIC
BROSHAR, DONNIE 4H YOUTH DEVELOPMENT

$6,023   CENTERVILLE COMMUNITY SCHOOL DISTRICT
Local Support for Iowa AmeriCorps State of Promise Program
9/1/07 to 8/31/08 EXTENSION/PUBLIC
BROSHAR, DONNIE 4H YOUTH DEVELOPMENT

$5,354   WAYNE COMMUNITY SCHOOL DISTRICT
Local Support for Iowa AmeriCorps State of Promise Program
9/1/07 to 8/31/08 EXTENSION/PUBLIC
BROSHAR, DONNIE 4H YOUTH DEVELOPMENT

$5,354   LUTHERAN SERVICES OF IOWA
Local Support for Iowa AmeriCorps State of Promise Program
9/1/07 to 8/31/08 EXTENSION/PUBLIC
BROSHAR, DONNIE 4H YOUTH DEVELOPMENT

$5,000   AMERICAN COUNCILS FOR INTERNATIONAL EDUCATION
Hosting Scholars from the Former Soviet Union and Eastern Europe
1/13/08 to 5/15/08 INSTRUCTION/TRAINING
MESROPOVA, OLGA WORLD LANGUAGES & CULTURES-LAS
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$4,657 UNIVERSITY OF CALIFORNIA, DAVIS
Identifying the Influence of Male Household Members on the Expected Outcomes of the ENAM Project Community-Based Interventions
1/1/08 to 9/30/08 RESEARCH
MARQUIS, GRACE S FOOD SCIENCE & HUMAN NUTRITION

$4,438 SCIENCE APPLICATIONS INTERNATIONAL CORPORATION
NHI Course 133078 Access Management, Location, and Design
9/27/07 to 3/31/08 INSTRUCTION/TRAINING
PLAZAK, DAVID CENTER FOR TRANSPORTATION RESEARCH & EDUCATION

$3,394 DEPARTMENT OF AGRICULTURE, FAS
Polish Farmer Delegation Visit to Iowa
3/1/08 to 6/30/08 INSTRUCTION/TRAINING
BJELLAND, DENISE INTERNATIONAL AGRICULTURE PROGRAMS-CALS

$3,374 DEPARTMENT OF AGRICULTURE
Linking Family and Farm Financial Management Programs
1/24/08 to 9/30/08 EXTENSION/PUBLIC
MILLER, GERALD extension to agriculture & natural resources-ext
CO-PI EGGERS, TIMOTHY extension area - southwest-ext

$3,288 DEPARTMENT OF AGRICULTURE
Linking Family and Farm Financial Management Programs, Bob Wells
1/24/08 to 9/30/08 EXTENSION/PUBLIC
MILLER, GERALD extension to agriculture & natural resources-ext
CO-PI EGGERS, TIMOTHY extension area - southeast-ext

$2,925 VARIOUS SPONSORS
Scholarship Support for Summer 2007
5/21/07 to 8/10/07 SCHOLARSHIP
JOHNSON, ROBERTA VICE PRESIDENT FOR STUDENT AFFAIRS

$2,344 KOOL KIDZ ASP
Local Support for Iowa AmeriCorps State of Promise Program
9/1/07 to 8/31/08 EXTENSION/PUBLIC
BROSHAR, DONNIE 4H YOUTH DEVELOPMENT
### GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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**Co-PI:** Edwards, Elaine
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$669   MAQUOKETA COMMUNITY SCHOOLS
Local Support for Iowa AmeriCorps State of Promise Program
9/1/07 to 8/31/08 EXTENSION/PUBLIC

BROSHAR, DONNIE 4H YOUTH DEVELOPMENT