

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

350

\$10,469,950	ED-U.S. DEPARTMENT OF EDUCATION	432-57-11
<b>116617</b>	PELL GRANT, FY12	
	7/1/11 to 6/30/12 STUDENT FINANCIAL AID	
	JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA	
\$8,688,731	IOWA STATE UNIVERSITY-AMES LABORATORY	401-25-01
<b>93016</b>	OPERATING AND MANAGEMENT SUPPORT FOR THE AMES LABORATORY	
	11/1/08 to 12/31/15 RESEARCH	
	KING, ALEXANDER AMES LABORATORY	
\$4,361,797	IOWA STATE UNIVERSITY-AMES LABORATORY	401-25-01
<b>93016</b>	OPERATING AND MANAGEMENT SUPPORT FOR THE AMES LABORATORY	
	11/1/08 to 12/31/15 RESEARCH	
	KING, ALEXANDER AMES LABORATORY	
\$936,395	DOD-AIR FORCE RESEARCH LABORATORY (AFRL)	421-20-28
<b>115866</b>	COMPREHENSION-DRIVEN PROGRAM ANALYSIS (CPA) FOR MALWARE DETECTION IN ANDROID PHONES	
	2/3/12 to 8/2/13 RESEARCH	
	KOTHARI, SURAJ ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$626,000	DOE-U.S. DEPARTMENT OF ENERGY	401-21-09
<b>99841</b>	RELATIVISTIC HEAVY ION PHYSICS	
	11/15/91 to 11/14/12 RESEARCH	
	HILL, JOHN PHYSICS & ASTRONOMY-LAS	
CO-PI	LAJOIE, JOHN PHYSICS & ASTRONOMY-LAS	
CO-PI	OGILVIE, CRAIG PHYSICS & ASTRONOMY-LAS	
CO-PI	ROSATI, MARZIA PHYSICS & ASTRONOMY-LAS	
\$494,768	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	416-40-89
<b>115375</b>	INTERACTIONS BETWEEN HONEY BEE NUTRITION AND VIRAL INFECTION: AN INTEGRATIVE APPROACH TO COLONY COLLAPSE DISORDER	
	2/15/12 to 2/14/15 RESEARCH	
	TOTH, AMY ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-AES/CALS	
CO-PI	BONNING, BRYONY ENTOMOLOGY-AES/CALS	

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

351

\$494,768 USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)

416-40-89

**115375** INTERACTIONS BETWEEN HONEY BEE NUTRITION AND VIRAL INFECTION: AN INTEGRATIVE APPROACH TO COLONY COLLAPSE DISORDER

2/15/12 to 2/14/15 RESEARCH

CO-PI MILLER, WYATT PLANT PATHOLOGY-AES/CALS

\$454,262 UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN

404-20-77

**117427** THE REACTIVITY AND STRUCTURAL DYNAMICS OF SUPPORTED METAL NANOCCLUSERS USING ELECTRON MICROSCOPY, IN SITU X-RAY SPECTROSCOPY, ELECTRONIC STRUCTURE THEORIES, AND MOLECULAR DYNAMICS SIMULATIONS

9/15/10 to 9/14/12 RESEARCH

JOHNSON, DUANE MATERIALS SCIENCE & ENGINEERING-ENGR

\$416,535 IOWA PORK PRODUCERS ASSOCIATION

453-40-46

**117609** IDENTIFYING THE CAUSE AND SUBSEQUENT REMEDIATION OF FOAMING IN SWINE MANURE MANAGEMENT SYSTEMS

2/15/12 to 2/14/13 RESEARCH

HOFF, STEVEN AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

CO-PI MICKELSON, STEVEN AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

CO-PI HOGBERG, MAYNARD ANIMAL SCIENCE-AES/CALS

\$374,193 NIH-NATIONAL INSTITUTES OF HEALTH

430-17-22

**114437** ROLE OF PRION PROTEIN IN MANGANESE NEUROTOXICITY

2/16/12 to 6/30/12 RESEARCH

KANTHASAMY, ANUMANATHA BIOMEDICAL SCIENCES-VET

CO-PI SIVASANKAR, SANJEEVI PHYSICS & ASTRONOMY-LAS

\$277,191 NIH-NATIONAL INSTITUTES OF HEALTH

430-66-01

**96785** COARSE-GRAINED MODELS OF PROTEINS

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

JERNIGAN, ROBERT BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS

\$249,000 NIH-NATIONAL INSTITUTES OF HEALTH

430-21-13

**117346** DIRECTED EVOLUTION OF METAL SUBSTITUTE CARBONIC ANHYDRASES FOR CATALYSIS

2/15/12 to 12/31/12 RESEARCH

STANLEY, LEVI CHEMISTRY-LAS

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

352

\$240,733 NSF-NATIONAL SCIENCE FOUNDATION

420-21-88

**115913** PSYCHOLOGICAL CAUSES OF CRIMINAL CONFESSIONS: THE ROLE OF INTERROGATION MYOPIA

3/15/12 to 2/28/15 RESEARCH

MADON, STEPHANIE PSYCHOLOGY-LAS  
CO-PI GUYLL, MAX PSYCHOLOGY-LAS  
CO-PI WELLS, GARY PSYCHOLOGY-LAS

\$238,500 USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)

416-40-88

**115236** AN INTEGRATED EDUCATIONAL APPROACH (IDEA): COMBINED COMPUTATIONAL AND GENOMICS EDUCATION IN LIVESTOCK

2/1/12 to 1/31/17 FELLOWSHIP

REECY, JAMES ANIMAL SCIENCE-AES/CALS  
CO-PI LAMONT, SUSAN ANIMAL SCIENCE-AES/CALS  
CO-PI GARRICK, DORIAN ANIMAL SCIENCE-AES/CALS

\$190,632 ED-U.S. DEPARTMENT OF EDUCATION

432-57-09

**116616** TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND HIGHER EDUCATION (TEACH) GRANT, FY12

7/1/11 to 6/30/12 STUDENT FINANCIAL AID  
JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA

\$188,364 PIONEER HI-BRED INTERNATIONAL INC

400-48-80

**117479** SURVEY OF SOYBEAN INSECT POLLINATORS: COMMUNITY IDENTIFICATION AND SAMPLING METHOD ANALYSIS

2/3/12 to 2/2/15 RESEARCH  
ONEAL, MATTHEW ENTOMOLOGY-AES/CALS

\$186,000 DOD-AIR FORCE OFFICE OF SCIENTIFIC RESEARCH (AFOSR)

421-21-01

**106701** THEORETICAL STUDIES OF GROUP IVA AND GROUP IVB CHEMISTRY

12/15/11 to 12/14/12 RESEARCH  
GORDON, MARK CHEMISTRY-LAS

\$185,000 NIH-NATIONAL INSTITUTES OF HEALTH

430-23-44

**114287** IMMUNE FACTORS IN VACCINE-ENHANCED PANDEMIC H1N1 INFLUENZA DISEASE

2/2/12 to 1/31/13 RESEARCH  
SANDBULTE, MATTHEW VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

353

\$185,000 NIH-NATIONAL INSTITUTES OF HEALTH

430-23-44

**114287** IMMUNE FACTORS IN VACCINE-ENHANCED PANDEMIC H1N1 INFLUENZA DISEASE

2/2/12 to 1/31/13 RESEARCH  
CO-PI ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

\$169,834 NSF-NATIONAL SCIENCE FOUNDATION

420-61-66

**104335** COLLABORATIVE RESEARCH: NOVEL BICARBONATE TRANSPORTERS IN THE CHLAMYDOMONAS CO2-CONCENTRATING MECHANISM

3/15/10 to 2/28/13 RESEARCH  
CO-PI SPALDING, MARTIN GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS  
MCCLOSKEY, MICHAEL GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS

\$160,815 IOWA DEPARTMENT OF NATURAL RESOURCES

473-30-17

**117087** WATER ROCKS!

2/1/12 to 11/15/13 EXTENSION/PUBLIC  
CO-PI COMITO, JACQUELINE SOCIOLOGY-EXT  
STAUDT, ANN AGRICULTURAL & BIOSYSTEMS ENGINEERING-EXT  
CO-PI CRUSE, RICHARD AGRONOMY-AES/CALS  
CO-PI HELMERS, MATTHEW AGRICULTURAL & BIOSYSTEMS ENGINEERING-EXT

\$150,000 IOWA SOYBEAN ASSOCIATION

450-42-28

**117215** CULTURAL PRACTICES INFLUENCE SOYBEAN PRODUCTIVITY AND PEST MANAGEMENT

2/1/12 to 1/31/13 RESEARCH  
CO-PI LENSSEN, ANDREW AGRONOMY-AES/CALS  
CIANZIO, SILVIA AGRONOMY-AES/CALS  
CO-PI AL-KAISI, MAHDI AGRONOMY-AES/CALS  
CO-PI OWEN, MICHEAL AGRONOMY-AES/CALS  
CO-PI TYLKA, GREGORY PLANT PATHOLOGY-AES/CALS

\$147,474 IOWA DEPARTMENT OF TRANSPORTATION

474-17-49

**117396** PLANNING, IMPLEMENTATION, AND OPERATION OF THE IOWA PAVEMENT MANAGEMENT PROGRAM

11/1/07 to 12/31/12 RESEARCH  
CO-PI SMADI, OMAR INSTITUTE FOR TRANSPORTATION-VPR/ED  
NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

354

\$139,648 ANNIE E. CASEY FOUNDATION

400-17-34

**116833** ADOPTION AND IMPLEMENTATION SUPPORT INNOVATIONS FOR PROSPER PARTNERSHIP-BASED EBI DELIVERY NETWORK

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

SPOTH, RICHARD

PARTNERSHIPS IN PREVENTION SCIENCE INSTITUTE-VPR/ED

\$139,270 NSF-NATIONAL SCIENCE FOUNDATION

420-60-97

**116132** REU SITE: BIOLOGICAL MATERIALS AND PROCESSES (BIOMAP)

3/15/12 to 2/28/15 RESEARCH

LAMM, MONICA

CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

CO-PI NARASIMHAN, BALAJI

CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

\$130,000 AMERICAN CONCRETE PAVEMENT ASSOCIATION

400-17-36

**117764** 2012 MANAGEMENT OF THE NATIONAL CONCRETE PAVEMENT TECHNOLOGY CENTER

1/1/12 to 12/31/12 DEPT/ADMIN SUPPORT

CACKLER, ELLS

INSTITUTE FOR TRANSPORTATION-VPR/ED

CO-PI NAMBISAN, SHASHI

INSTITUTE FOR TRANSPORTATION-VPR/ED

\$126,060 IOWA DEPARTMENT OF NATURAL RESOURCES

473-44-40

**117565** ASSESSMENT OF POTENTIAL URBAN FISHERIES IN CENTRAL IOWA

2/1/12 to 4/30/14 RESEARCH

MORRIS, JOSEPH

NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

\$123,615 NSF-NATIONAL SCIENCE FOUNDATION

420-60-40

**105488** REU SITE—RESEARCH AND EDUCATION IN MICROSCALE SENSING, ACTUATION AND IMAGING

5/15/10 to 4/30/13 INSTRUCTION/TRAINING

SUNDARARAJAN, SRIRAM

MECHANICAL ENGINEERING-ENGR

CO-PI SHROTRIYA, PRANAV

MECHANICAL ENGINEERING-ENGR

\$120,336 NSF-NATIONAL SCIENCE FOUNDATION

420-60-91

**116384** SELF-ASSEMBLY OF NANOPARTICLES FROM EVAPORATING DROPS AND LIQUID FILMS: SCIENCE, ENGINEERING AND APPLICATIONS

12/15/11 to 6/30/13 RESEARCH

ATTINGER, DANIEL

MECHANICAL ENGINEERING-ENGR

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

355

\$107,000 COLUMBIA UNIVERSITY

404-20-71

**117121** GOALI: CHIP-SCALE SINGLE-MOLECULE OPTOFLUIDIC SENSING AND MANIPULATION

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

ATTINGER, DANIEL MECHANICAL ENGINEERING-ENGR

\$105,852 BOEING COMPANY

400-65-48

**118230** TANKER RECEIVER SIMULATION

1/30/12 to 8/14/12 RESEARCH

WINER, ELIOT MECHANICAL ENGINEERING-ENGR

CO-PI GILBERT, STEPHEN INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED

\$100,000 NATIONAL ACADEMIES

428-17-02

**114094** ANALYSIS OF THE SHRP 2 NATURALISTIC DRIVING STUDY DATA

1/1/12 to 12/1/12 RESEARCH

HALLMARK, SHAUNA CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

\$100,000 MIDAMERICAN ENERGY COMPANY

400-20-73

**117532** MIDAMERICAN ENERGY COMPANY ELECTRIC POWER RESEARCH CENTER (MEC-EPRC)

11/1/11 to 10/31/12 RESEARCH

CHRISTY, COLIN ELECTRICAL & COMPUTER ENGINEERING-ENGR

\$92,335 DOI-U.S. GEOLOGICAL SURVEY (USGS)

424-17-04

**117680** IOWA WATER CENTER ANNUAL BASE PROGRAM 104(B)

3/1/12 to 2/28/13 RESEARCH

CRUSE, RICHARD AGRONOMY-AES/CALS

\$89,316 YALE UNIVERSITY

404-21-53

**114180** A SYSTEMS APPROACH TO THE DEVELOPMENT AND FUNCTION OF C4 PHOTOSYNTHESIS

2/15/12 to 1/31/13 RESEARCH

LIU, PENG STATISTICS-LAS

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

356

\$86,229	UNIVERSITY OF LOUISVILLE	404-40-40
<b>106974</b>	ESTABLISHMENT OF A P23H MUTANT RHODOPSIN SWINE MODEL OF RETINITIS PIGMENTOSA (RP)	
	12/1/10 to 11/30/12 RESEARCH	
	ROSS, JASON ANIMAL SCIENCE-AES/CALS	
\$80,000	DOD-NAVY-U.S. NAVAL RESEARCH LABORATORY (NRL)	421-20-24
<b>117293</b>	SCALABLE HIGH-ORDER METHODS FOR NONHYDROSTATIC MESOSCALE ATMOSPHERIC MODELING USING ADAPTIVE UNSTRUCTURED MESHES	
	1/23/12 to 11/10/12 RESEARCH	
	WANG, ZHI AEROSPACE ENGINEERING-ENGR	
\$77,144	NSF-NATIONAL SCIENCE FOUNDATION	420-60-26
<b>111899</b>	COLLABORATIVE RESEARCH: METABOLIC ENGINEERING OF TERPENOID INDOLE ALKALOIDS USING TRANSCRIPTIONAL REGULATORS IN C. ROSEUS HAIRY ROOTS	
	2/15/12 to 1/31/15 RESEARCH	
	SHANKS, JACQUELINE CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
\$75,000	UNIVERSITY OF MINNESOTA TWIN CITIES	410-30-83
<b>116175</b>	BUILDING THE CAPACITY OF ANNIES EDUCATORS TO HELP WOMEN FARMERS AND RANCHERS IMPROVE AGRICULTURAL SUSTAINABILITY	
	1/1/12 to 12/31/14 EXTENSION/PUBLIC	
	HANSEN, RAYMOND VALUE ADDED AGRICULTURE-EXT	
CO-PI	SCHULTZ, MADELINE VALUE ADDED AGRICULTURE-EXT	
\$75,000	UNITED TECHNOLOGIES CORPORATION	400-20-81
<b>117490</b>	HIGH-TEMPERATURE CORROSION STUDIES OF TURBINE-ENGINE COMPONENTS	
	1/1/12 to 12/31/12 RESEARCH	
	GLEESON, BRIAN MATERIALS SCIENCE & ENGINEERING-ENGR	
CO-PI	WLEZIEN, RICHARD AEROSPACE ENGINEERING-ENGR	
\$75,000	NATIONAL PORK BOARD	453-40-26
<b>117891</b>	COLLABORATION AGREEMENT BETWEEN U.S. PORK CENTER OF EXCELLENCE AND NATIONAL PORK BOARD	
	2/14/12 to 12/31/12 MISCELLANEOUS	
	MEISINGER, DAVID AGRICULTURE ADMINISTRATION-AES/CALS	

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

357

\$74,001 PURDUE UNIVERSITY

410-39-10

**111097** USEFUL TO USABLE (U2U): TRANSFORMING CLIMATE VARIABILITY AND CHANGE INFORMATION FOR CEREAL CROP PRODUCERS

4/15/11 to 4/14/13 RESEARCH

HART, CHAD ECONOMICS-EXT

CO-PI MORTON, LOIS SOCIOLOGY-AES/CALS

CO-PI TAKLE, GENE AGRONOMY-AES/CALS

CO-PI ELMORE, ROGER AGRONOMY-AES/CALS

\$74,000 UNIVERSITY OF GEORGIA

404-17-21

**115795** CAN DRUG TARGETS FROM PARASITIC NEMATODES BE USEFULLY EXPRESSED IN C. ELEGANS?

2/15/12 to 1/31/13 RESEARCH

ROBERTSON, ALAN BIOMEDICAL SCIENCES-VET

\$74,000 NIH-NATL INST OF ALLERGY & INFECTIOUS DISEASES (NIAID)

430-23-52

**115834** ASSAYING THE ANTHELMINTIC POTENTIAL OF A NOVEL FLATWORM-SPECIFIC GPCR FAMILY

2/8/12 to 1/31/14 RESEARCH

DAY, TIMOTHY BIOMEDICAL SCIENCES-VET

\$73,657 NATIONAL PORK BOARD

453-40-40

**116532** THE EFFECTS OF DISEASE CHALLENGE (PRRS) ON PIG GROWTH AND METABOLIC PATHWAYS

3/1/12 to 2/28/13 RESEARCH

GABLER, NICHOLAS ANIMAL SCIENCE-AES/CALS

CO-PI SCHWARTZ, KENT VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

CO-PI DEKKERS, JACK ANIMAL SCIENCE-AES/CALS

\$66,819 NATIONAL CENTER FOR HEALTHCARE INFORMATICS

404-25-28

**117681** NCHCI PJ MEDICAL SIMULATION PROJECT

2/10/12 to 6/28/13 RESEARCH

GILBERT, STEPHEN INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR

CO-PI WINER, ELIOT MECHANICAL ENGINEERING-ENGR



February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

358

\$60,000	TJ TECHNOLOGIES INC			400-48-79
<b>117455</b>	CORN PESTS RESEARCH PROJECT			
	2/1/12 to 1/31/13	RESEARCH		
	GASSMANN, AARON		ENTOMOLOGY-AES/CALS	
CO-PI	WEBER, PATRICK		ENTOMOLOGY-AES/CALS	
\$59,861	CERES TRUST			400-40-57
<b>105067</b>	NO-TILL ORGANIC VEGETABLE PRODUCTION			
	1/1/12 to 12/31/12	RESEARCH		
	DELATE, KATHLEEN		HORTICULTURE-AES/CALS	
CO-PI	AL-KAISI, MAHDI		AGRONOMY-AES/CALS	
\$59,496	PFIZER ANIMAL HEALTH			400-41-98
<b>118154</b>	IDENTIFICATION OF GENETIC DRUG TARGETS FOR RESIDUAL FEED INTAKE			
	1/1/11 to 12/31/12	RESEARCH		
	ROTHSCHILD, MAX		ANIMAL SCIENCE-AES/CALS	
CO-PI	DEKKERS, JACK		ANIMAL SCIENCE-AES/CALS	
\$51,600	UNIVERSITY OF MINNESOTA TWIN CITIES			410-30-82
<b>114807</b>	IOWA SARE PROFESSIONAL DEVELOPMENT PROGRAM PLAN OF WORK 2011			
	5/1/11 to 4/30/14	EXTENSION/PUBLIC		
	LAWRENCE, JOHN		EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT	
CO-PI	LARSON, ANDREW		EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT	
\$50,000	SPECTRAL ENERGIES LLC			404-21-65
<b>106885</b>	PHASE II STTR: COMPUTATIONAL PREDICTION OF KINETIC RATE CONSTANTS FOR CONDENSED PHASES			
	1/1/11 to 12/1/12	RESEARCH		
	WINDUS, THERESA		CHEMISTRY-LAS	
\$50,000	RESEAU DE TRANSPORT DELECTRICITE			400-20-63
<b>117771</b>	RESEAU DE TRANSPORT D'ELECTRICITE EPRC SUPPORT			
	1/1/12 to 12/31/12	RESEARCH		
	CHRISTY, COLIN		ELECTRICAL & COMPUTER ENGINEERING-ENGR	

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

359

\$50,000	TORAY INDUSTRIES INC			400-72-04
<b>118208</b>	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP			
	3/1/12 to 2/28/13	RESEARCH		
	SHANKS, BRENT		CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
\$45,759	NATIONAL PORK BOARD			453-40-27
<b>115235</b>	CRITICAL EVALUATION OF A NEW NOVEL BIO-FUELS BYPRODUCT "MYCOMEAL" ON GROWTH PERFORMANCE, BODY COMPOSITION AND INTESTINAL HEALTH IN NURSERY PIGS			
	3/1/12 to 2/28/13	RESEARCH		
	GABLER, NICHOLAS		ANIMAL SCIENCE-AES/CALS	
CO-PI	VAN LEEUWEN, JOHANNES		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
\$45,000	DOI-U.S. DEPARTMENT OF INTERIOR			424-21-03
<b>116559</b>	MINERALOGY AND CHEMISTRY OF TELLURIUM IN THE HYPOGENE AND SUPERGENE ENVIRONMENTS			
	2/28/12 to 3/1/13	RESEARCH		
	SPRY, PAUL		GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS	
\$45,000	COMMUNITY FOUNDATION OF GREATER DES MOINES			400-33-55
<b>117526</b>	IOWA MICROENTERPRISE ASSISTANCE PROGRAM			
	1/1/12 to 12/31/13	EXTENSION/PUBLIC		
	EDELMAN, MARK		ECONOMICS-EXT	
\$40,000	UNIVERSITY OF NORTHERN IOWA			475-20-44
<b>113553</b>	ELECTROMAGNETIC NONDESTRUCTIVE EVALUATION OF DEGRADATION AND DAMAGE IN POLYMER-MATRIX COMPOSITES			
	1/1/12 to 6/30/12	RESEARCH		
	BOWLER, NICOLA		MATERIALS SCIENCE & ENGINEERING-ENGR	
\$38,103	IOWA DEPARTMENT OF TRANSPORTATION			474-77-51
<b>117654</b>	SMART WORK ZONE DEPLOYMENT INITIATIVE (SWZDI) FOR 2012			
	2/7/12 to 12/31/12	RESEARCH		
	MCDONALD, THOMAS		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	MORRIS, TIMOTHY		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

360

\$36,000 PHYSICAL SCIENCES INC

400-20-82

**118059** SPECIAL TESTING SERVICES-WIND TUNNEL EXPERIMENTAL DESIGN AND EXPERIMENTATION TO TEST DYNAMIC  
ROUGHNESS FLOW CONTROL DEVICES  
5/18/10 to 3/15/12 RESEARCH

HU, HUI AEROSPACE ENGINEERING-ENGR  
CO-PI ROTHMAYER, ARLIC AEROSPACE ENGINEERING-ENGR

\$31,802 IOWA CORN PROMOTION BOARD

451-40-04

**117994** RESEARCH ON A FIVE YEAR YIELD AND REVENUE INSURANCE PRODUCT FOR IOWA CORN AND SOYBEAN PRODUCERS

4/1/12 to 5/31/13 RESEARCH  
HAYES, DERMOT ECONOMICS-AES/CALS

\$31,523 NIH-NATIONAL INSTITUTES OF HEALTH

430-17-13

**94191** NEUROINFLAMMATORY MECHANISMS IN THE PROGRESSION OF PARKINSONS DISEASE

2/1/12 to 1/31/13 RESEARCH  
KANTHASAMY, ARTHI BIOMEDICAL SCIENCES-VET  
CO-PI KANTHASAMY, ANUMANTHA BIOMEDICAL SCIENCES-VET

\$30,345 TRINITY INDUSTRIES INC

400-25-16

**117078** SUPPORT OF POD DATA ACQUISITION AND ANALYSIS

11/1/11 to 2/29/12 RESEARCH  
BRASCHE, LISA CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED  
CO-PI GRAY, TIMOTHY CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED  
CO-PI MEEKER, WILLIAM STATISTICS-LAS

\$30,000 UNIVERSITY OF IOWA

475-20-42

**116919** SEQUENCE ANALYSIS OF TRANSFERABLE GENES ENCODING BACTERIAL ATTACHMENT AND MULTI-DRUG RESISTANCE

1/1/12 to 12/31/12 RESEARCH  
JARBOE, LAURA CHEMICAL & BIOLOGICAL ENGINEERING-ENGR  
CO-PI SOUPIR, MICHELLE AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS  
CO-PI LOGUE, CATHERINE VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET  
CO-PI NOLAN, LISA VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

361

\$30,000 WEBFILINGS

400-17-29

**117942** NSF//UCRC CENTER FOR INFORMATION PROTECTION-WEBFILINGS

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

JACOBSON, DOUG ELECTRICAL & COMPUTER ENGINEERING-ENGR

\$29,620 SANDIA CORPORATION-SANDIA NATIONAL LABORATORIES

404-20-79

**115404** INNOVATIVE OFFSHORE VERTICAL-AXIS WIND TURBINE ROTORS

2/1/12 to 1/31/13 RESEARCH

FRANK, MATTHEW INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR

CO-PI PETERS, FRANK INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR

CO-PI JACKMAN, JOHN INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR

CO-PI DAYAL, VINAY AEROSPACE ENGINEERING-ENGR

CO-PI SARKAR, PARTHA AEROSPACE ENGINEERING-ENGR

CO-PI HU, HUI AEROSPACE ENGINEERING-ENGR

\$27,217 IOWA STATE UNIVERSITY-AMES LABORATORY

401-25-01

**93016** OPERATING AND MANAGEMENT SUPPORT FOR THE AMES LABORATORY

11/1/08 to 12/31/15 RESEARCH

KING, ALEXANDER AMES LABORATORY

\$25,043 UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN

400-42-38

**115103** NESTED ASSOCIATION MAPPING TO IDENTIFY YIELD QTL IN DIVERSE HIGH YIELDING ELITE SOYBEAN LINES-CONTINUED EVALUATION

4/1/12 to 3/31/13 RESEARCH

BEAVIS, WILLIAM AGRONOMY-AES/CALS

\$25,000 INTERNATIONAL FLAVORS & FRAGRANCES INC

400-72-04

**118191** CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP

2/9/12 to 2/8/13 RESEARCH

SHANKS, BRENT CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

362

\$24,752	IOWA DEPARTMENT OF TRANSPORTATION	474-21-08
<b>117655</b>	REDEVELOPMENT OF THE SAFETY ANALYSIS, VISUALIZATION, AND EXPLORATION RESOURCE	
10/1/07	to 5/31/12	RESEARCH
MITRA, SIMANTA		COMPUTER SCIENCE-LAS
\$24,000	NORTHAMPTON COMMUNITY COLLEGE	404-28-44
<b>117870</b>	SUPPORTING CHANGE AND REFORM IN INCLUSIVE PERSONNEL PREPARATION	
10/1/11	to 9/30/15	RESEARCH
MAUDE, SUSAN		HUMAN DEVELOPMENT & FAMILY STUDIES-HS
\$23,743	FLORIDA STATE UNIVERSITY	400-28-56
<b>114604</b>	LINKING INSTITUTIONAL POLICIES TO STUDENT SUCCESS--A PILOT STUDY (LIPSS-PILOT)	
8/15/11	to 8/14/12	RESEARCH
REASON, ROBERT		EDUCATIONAL LEADERSHIP & POLICY STUDIES-HS
\$23,148	NATIONAL PORK PRODUCERS COUNCIL	400-42-47
<b>117567</b>	UNDERSTANDING THE LOCAL LEVEL SUPPLY ELASTICITIES OF LAND COVER IN THE CRP	
1/1/12	to 12/31/12	RESEARCH
JACOBS, KERI		ECONOMICS-AES/CALS
\$22,495	ISU RESEARCH FOUNDATION	405-20-02
<b>117937</b>	BIOCOMPATIBILITY FEASIBILITY STUDY FOR WEAR-RESISTANT BORIDES	
1/15/12	to 8/15/12	RESEARCH
COOK, BRUCE		AMES LABORATORY DOE-VPR/ED
CO-PI BRATLIE, KAITLIN		MATERIALS SCIENCE & ENGINEERING-ENGR
\$20,954	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	419-48-31
<b>118153</b>	RESEARCH SUPPORT AGREEMENT	
2/1/12	to 9/30/12	RESEARCH
GABLER, NICHOLAS		ANIMAL SCIENCE-AES/CALS

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

363

\$20,000	IOWA DEPARTMENT OF TRANSPORTATION			474-77-33
<b>117956</b>	ROAD SAFETY AUDITS FOR IOWA			
	2/15/12 to 12/31/13	RESEARCH		
	MCDONALD, THOMAS		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$19,448	USDA-FOREIGN AGRICULTURAL SERVICE (FAS)			412-30-07
<b>118036</b>	US-SERBIA COOPERATION ON FRUIT PRODUCTION AND ADOPTION OF INTEGRATED PEST MANAGEMENT TOOLS			
	2/15/12 to 12/31/12	EXTENSION/PUBLIC		
	GLEASON, MARK		PLANT PATHOLOGY-EXT	
\$17,091	TARAS RESEARCH LLC			404-20-90
<b>117516</b>	THREE-DIMENSIONAL HIGH-SPEED DISCRETE TOMOGRAPHY OF DENSE SPRAYS USING BALLISTIC IMAGING			
	1/1/12 to 5/15/12	RESEARCH		
	MEYER, TERRENCE		MECHANICAL ENGINEERING-ENGR	
\$16,000	UNIVERSITY OF CALIFORNIA-LAWRENCE BERKELEY NATIONAL LABORATORY			404-20-88
<b>117775</b>	APPLICATIONS OF AREA ANGLES			
	2/21/12 to 3/31/13	RESEARCH		
	DOBSON, IAN		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$15,000	IOWA DEPARTMENT OF INSPECTION AND APPEALS			478-30-28
<b>117820</b>	KNOWLEDGE AND AWARENESS OF FOODBORNE ILLNESS			
	1/1/12 to 5/31/12	RESEARCH		
	STROHBEHN, CATHERINE		APPAREL, EDUCATIONAL STUDIES & HOSPITALITY MANAGEMENT-EXT	
CO-PI	RAJAGOPAL, LAKSHMAN		APPAREL, EDUCATIONAL STUDIES & HOSPITALITY MANAGEMENT-HS	
CO-PI	WOHLSDORF-ARENDR, SUSAN		APPAREL, EDUCATIONAL STUDIES & HOSPITALITY MANAGEMENT-HS	
\$15,000	ROCKWELL COLLINS			400-17-29
<b>117988</b>	NSF/ IUCRC CENTER FOR INFORMATION PROTECTION-ROCKWELL COLLINS			
	1/1/12 to 12/31/12	RESEARCH		
	JACOBSON, DOUG		ELECTRICAL & COMPUTER ENGINEERING-ENGR	

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

364

\$14,000	IOWA DEPARTMENT OF AGRICULTURE & LAND STEWARDSHIP		471-30-63
<b>117664</b>	WORKER PROTECTION OUTREACH PROJECTS IN FY 2012		
	10/1/11 to 6/30/12	EXTENSION/PUBLIC	
	SCHAEFER, KRISTINE	ENTOMOLOGY-EXT	
CO-PI	BUFFINGTON, ELIZABETH	ENTOMOLOGY-EXT	
\$13,000	IOWA COMMISSION ON VOLUNTEER SERVICE		478-28-01
<b>117468</b>	EVALUATION OF VOLUNTEER GENERATION FUND PROGRAMS		
	1/1/12 to 5/30/13	RESEARCH	
	ANDERSON, MARY	RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS	
\$12,500	ISU RESEARCH FOUNDATION		405-25-08
<b>118199</b>	SSM SEQUENCE MODEL		
	1/1/12 to 7/31/12	RESEARCH	
	STOYTCHEV, ALEXANDER	ELECTRICAL & COMPUTER ENGINEERING-ENGR	
CO-PI	SUKHOY, VOLODYMYR	VIRTUAL REALITY APPLICATIONS CENTER - IPRT-VPR/ED	
\$11,400	IOWA SOYBEAN ASSOCIATION		450-30-37
<b>118186</b>	CROP SCOUTING COMPETITION 2012		
	2/1/12 to 1/31/13	EXTENSION/PUBLIC	
	MUELLER, DAREN	PLANT PATHOLOGY-EXT	
\$11,000	WOMEN, FOOD & AGRICULTURE NETWORK		410-21-09
<b>113791</b>	DEVELOPING A CONSERVATION EDUCATION AND OUTREACH PROGRAM TARGETED AT WOMEN FARMLAND OWNERS IN IA, NE AND WI		
	9/1/11 to 8/31/12	INSTRUCTION/TRAINING	
	GESKE, JOEL	GREENLEE SCHOOL OF JOURNALISM & COMMUNICATION-LAS	
CO-PI	DAHLSTROM, MICHAEL	GREENLEE SCHOOL OF JOURNALISM & COMMUNICATION-LAS	
\$11,000	ARYSTA LIFESCIENCE CORPORATION		400-42-32
<b>118005</b>	ARYSTA AMICARBAZONE WEED CONTROL TRIAL		
	2/17/12 to 12/31/12	RESEARCH	
	CHRISTIANS, NICK	HORTICULTURE-AES/CALS	

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

365

\$10,459	METABOLIC TECHNOLOGIES INC			400-25-21
<b>117712</b>	SYNTHESIS TO HMB DIMER, TRIMER OR OLIGOMER-PHASE 2			
	1/3/12 to 6/30/12	RESEARCH		
	KRAUS, GEORGE		CHEMISTRY-LAS	
\$10,000	UNIVERSITY OF NORTHERN IOWA			475-25-33
<b>117652</b>	TOWARD THE DEVELOPMENT OF LIGHT WEIGHT, THERMALLY STABLE CONJUGATED POLYMERS			
	2/6/12 to 7/31/12	RESEARCH		
	JEFFRIES-EL, MALIKA		CHEMISTRY-LAS	
\$10,000	IOWA PUREBRED SWINE COUNCIL			400-43-31
<b>117753</b>	GRADUATE STUDENT SUPPORT			
	1/1/11 to 6/30/12	SCHOLARSHIP		
	BAAS, THOMAS		ANIMAL SCIENCE-AES/CALS	
\$10,000	UNIVERSITY OF IOWA			475-20-27
<b>118181</b>	ADVANCED CARBON FIBERS FROM LIGNIN FOR WIND TURBINE APPLICATIONS			
	7/1/10 to 7/1/12	RESEARCH		
	KESSLER, MICHAEL		MATERIALS SCIENCE & ENGINEERING-ENGR	
CO-PI	GREWELL, DAVID		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
\$10,000	UNIVERSITY OF NORTHERN IOWA			475-20-43
<b>118226</b>	IOWA NASA EPSCOR RID RESEARCH COMMUNITY DEVELOPMENT			
	2/6/12 to 7/31/12	RESEARCH		
	SHARMA, ANUPAM		AEROSPACE ENGINEERING-ENGR	
\$9,872	UNIVERSITY OF NORTHERN IOWA			475-25-01
<b>117947</b>	ASSESSING THE POTENTIAL FOR RESEARCH AND DEVELOPMENT OF DUAL USE ADVANCED MATERIALS			
	2/6/12 to 7/31/12	RESEARCH		
	LUYENDIJK, RUDI		INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED	
CO-PI	LOGRASSO, BARBARA		INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED	



February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

366

\$8,264	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES LLC	404-60-10
<b>117819</b>	FY2012: STATEMENT OF WORK: DIELECTRIC SPECTROSCOPY FOR INVESTIGATION OF PLASTICIZATION AND REINFORCEMENT IN BORON CAGE COMPOUNDS 2/13/12 to 4/30/12 RESEARCH BOWLER, NICOLA MATERIALS SCIENCE & ENGINEERING-ENGR	
\$8,000	NSF-NATIONAL SCIENCE FOUNDATION	420-60-96
<b>117971</b>	CAREER: MEETING DEADLINES: THEORIES AND ALGORITHMS TO SUPPORT DELAY CONSTRAINED COMMUNICATION IN WIRELESS NETWORKS 1/15/10 to 12/31/14 RESEARCH YING, LEI ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$7,619	GARDENS ALIVE	400-42-32
<b>117915</b>	ACIDIFICATION OF CORN GLUTEN MEAL 2/1/12 to 6/30/12 RESEARCH CHRISTIANS, NICK HORTICULTURE-AES/CALS	
\$6,200	IOWA CORN PROMOTION BOARD	451-40-03
<b>117572</b>	EFFECT OF VARYING CONCENTRATIONS OF VITAMIN C ON PERFORMANCE AND CARCASS QUALITY OF STEERS FED DIETS CONTAINING 0.5% SULFUR 2/1/12 to 12/31/12 RESEARCH HANSEN, STEPHANIE ANIMAL SCIENCE-AES/CALS CO-PI LONERGAN, STEVEN ANIMAL SCIENCE-AES/CALS	
\$6,000	NSF-NATIONAL SCIENCE FOUNDATION	420-60-88
<b>117423</b>	VIRTUAL MELTING AND AMORPHIZATION AS MECHANISMS OF PLASTIC FLOW, FRACTURE, AND PHASE TRANSFORMATIONS 1/2/12 to 6/30/13 MISCELLANEOUS LEVITAS, VALERY AEROSPACE ENGINEERING-ENGR	
\$5,357	ADAIR COUNTY BOARD OF SUPERVISORS	400-29-05
<b>117807</b>	COMPREHENSIVE PLAN UPDATE FOR ADAIR COUNTY 1/1/12 to 6/30/12 EXTENSION/PUBLIC BASMAJIAN, CARLTON COMMUNITY & REGIONAL PLANNING-DSN	

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

367

\$5,000	CATERPILLAR INC			400-20-84
<b>117438</b>	CAT ME CAPSTONE PROJECTS-SPRING 2012			
	1/1/12 to 5/31/12	INSTRUCTION/TRAINING		
	HEISE, JAMES	MECHANICAL ENGINEERING-ENGR		
\$4,480	CITY OF AMES, IOWA			400-13-06
<b>118182</b>	STREAM GAUGE MAINTENANCE AGREEMENT-SQUAW CREEK			
	10/1/11 to 9/30/12	MISCELLANEOUS		
	MILLER, DAVID	FACILITIES PLANNING & MANAGEMENT-VPBF		
\$3,600	IOWA DEPARTMENT OF NATURAL RESOURCES			473-20-09
<b>117714</b>	HICKORY GROVE LAKE WATERSHED PLANNING GRANT			
	1/1/12 to 12/31/12	RESEARCH		
	SOUPIR, MICHELLE	AGRICULTURAL & BIOSYSTEMS ENGINEERING-ENGR		
\$3,586	NORTH AMERICA BRAMBLE GROWERS RESEARCH FOUNDATION			400-42-83
<b>117472</b>	THE EFFECTS OF TEMPERATURE AND LIGHT IN HIGH TUNNEL PRIMOCANE RED RASPBERRY PRODUCTION			
	3/1/12 to 12/31/12	RESEARCH		
	NONNECKE, GAIL	HORTICULTURE-AES/CALS		
\$3,375	MS TECHNOLOGIES LLC			400-42-42
<b>116811</b>	APHID RESISTANT TEST			
	10/28/11 to 5/31/12	RESEARCH		
	ONEAL, MATTHEW	ENTOMOLOGY-AES/CALS		
\$2,500	SYNGENTA LAWN AND GOLF			400-42-60
<b>117999</b>	CARAVAN G SPREADER CALIBRATION			
	2/10/12 to 12/31/12	RESEARCH		
	CHRISTIANS, NICK	HORTICULTURE-AES/CALS		

February 01 - 28, 2012

**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

368

\$2,429 ADAIR COUNTY EXTENSION OFFICE

400-30-50

**117074** ADAIR COUNTY GROWING STRONG FAMILIES PROGRAM

12/1/11 to 6/30/12 EXTENSION/PUBLIC

WARNING, JEANNE EXTENSION TO FAMILIES-EXT

CO-PI BRANTNER, KIM EXTENSION TO FAMILIES-EXT

\$1,000 PINE CREEK SYSTEMS INC

400-72-04

**118195** CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP

2/9/12 to 2/8/13 RESEARCH

SHANKS, BRENT CHEMICAL & BIOLOGICAL ENGINEERING-ENGR