

April 01 - 30, 2010

454

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$900,288 NATIONAL SCIENCE FOUNDATION

420-61-82

92539 GEPR Comparative Evolutionary Genomics of Cotton

3/1/09 to 2/28/11 RESEARCH

CO-PI WENDEL, JONATHAN ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS
CO-PI LESHEM-ACKERMAN, ADAH ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

\$749,786 NATIONAL SCIENCE FOUNDATION

420-18-05

104771 I3: Strengthening the Professoriate at Iowa State University: A Campus Network to Enable Strong Science and Diverse Communities

7/1/10 to 6/30/13 RESEARCH

CO-PI CARLSON, SUSAN PROVOST-PROV
CO-PI QUISENBERRY, SHARRON VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED
CO-PI MANN, JULIAN GRADUATE COLLEGE-PROV
CO-PI BOWEN, BONNIE ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

\$698,110 NORTH CAROLINA STATE UNIVERSITY

400-39-20

107157 Dairy Records Management System

5/1/10 to 4/30/11 EXTENSION/PUBLIC

CO-PI HOGBERG, MAYNARD ANIMAL SCIENCE-EXT
CO-PI PALAS, GREGORY ANIMAL SCIENCE-EXT

\$690,791 IOWA DEPARTMENT OF EDUCATION

472-28-11

104176 Iowa Microsoft Settlement Initiative

10/1/09 to 2/15/14 RESEARCH

PHYE, GARY CURRICULUM & INSTRUCTION-HS

\$649,716 ALLIANCE FOR A GREEN REVOLUTION IN AFRICA

400-40-88

105920 Facilitating the Establishment and Operation of a Seed Enterprise Management Institute (SEMI) at the University of Nairobi

2/1/10 to 1/31/13 EXTENSION/PUBLIC

CO-PI MISRA, MANJIT AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
CO-PI CORTES, JOSEPH SEED SCIENCE CENTER-AES/CALS
CO-PI HARRIES, ADELAIDA BIOSAFETY INSTITUTE FOR GENETICALLY MODIFIED AGRICULTURAL PRODUCTS-A
CO-PI AKETCH, JAMES BIOSAFETY INSTITUTE FOR GENETICALLY MODIFIED AGRICULTURAL PRODUCTS-A

April 01 - 30, 2010

455

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$600,000 DEPARTMENT OF ENERGY

442-20-01

104783 Early Career: Templating of Liquid Crystal Microstructures by Reversible Addition-fragmentation Chain Transfer Polymerization

4/15/10 to 4/14/14 RESEARCH

ODONNELL, JENNIFER CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

\$598,000 DEPARTMENT OF ENERGY

401-21-09

99841 Relativistic Heavy Ion Physics

11/15/91 to 11/14/10 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

\$500,000 DEPARTMENT OF AGRICULTURE, ARS

419-23-01

106842 SIV Epitopes and Genetic Factors that Affect Surveillance and Immunity Elicited by Influenza Vaccines Against Emerging Influenza Strains

3/22/10 to 2/28/13 RESEARCH

ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

CO-PI RAMAMOORTHY, SHEELA VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-EXT

\$483,099 NATIONAL INSTITUTES OF HEALTH

440-17-02

105045 Improving Air Quality for Laboratory Animal Research

3/25/10 to 3/24/13 MISCELLANEOUS

QUISENBERRY, SHARRON VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED

\$400,001 NATIONAL SCIENCE FOUNDATION

420-60-35

104331 CAREER: Multifunctional Biorenewable Polymers

7/1/10 to 6/30/15 RESEARCH

KESSLER, MICHAEL MATERIALS SCIENCE & ENGINEERING-ENGR

\$375,674 NATIONAL SCIENCE FOUNDATION

420-60-03

105167 Two-dimensional Cutting of Polycrystalline Diamond and CBN Tools and Dies Using a Novel Laser/Waterjet Hybrid Manufacturing Process

5/1/10 to 4/30/13 RESEARCH

SHROTRIYA, PRANAV MECHANICAL ENGINEERING-ENGR

April 01 - 30, 2010

456

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$375,674 NATIONAL SCIENCE FOUNDATION

420-60-03

105167 Two-dimensional Cutting of Polycrystalline Diamond and CBN Tools and Dies Using a Novel Laser/Waterjet Hybrid Manufacturing Process

5/1/10 to 4/30/13 RESEARCH

CO-PI MOLIAN, PALANIAPPA MECHANICAL ENGINEERING-ENGR

\$365,000 NATIONAL SCIENCE FOUNDATION

420-60-09

105036 Resuspension of E-coli in Sediment Laden Streams

6/1/10 to 5/31/13 RESEARCH

SOUPIR, MICHELLE AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

\$320,048 NATIONAL SCIENCE FOUNDATION

420-60-33

105066 Collaborative Research: Large-scale Nanomanufacturing of Well-positioned and Highly Aligned DNA Wires from a Capillary Bridge

7/1/10 to 6/30/13 RESEARCH

CO-PI LIN, ZHIQUN MATERIALS SCIENCE & ENGINEERING-ENGR
ZOU, QINGZE MECHANICAL ENGINEERING-ENGR

\$290,485 MEDICAL COLLEGE OF WISCONSIN

404-17-27

107627 Neuroprotection by Mitochondria-targeted Antioxidants

2/1/10 to 1/31/11 RESEARCH

KANTHASAMY, ANUMANTHA BIOMEDICAL SCIENCES-VET

\$273,535 UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

410-17-05

94079 Stress, Financial Management, and Childhood Overweight

2/1/09 to 1/14/12 RESEARCH

CO-PI NUSSER, SARAH STATISTICS-LAS
GARASKY, STEVEN HUMAN DEVELOPMENT & FAMILY STUDIES-HS

\$265,662 AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

421-17-04

88284 Combinatorial and High Throughput Discovery of High Temperature Piezoelectro Ceramics

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

CO-PI RAJAN, KRISHNA MATERIALS SCIENCE & ENGINEERING-ENGR
TAN, XIAOLI MATERIALS SCIENCE & ENGINEERING

April 01 - 30, 2010

457

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$244,724 MICHIGAN STATE UNIVERSITY

404-40-87

104714 Enhancing Biological Nitrogen Fixation of Leguminous Crops Grown on Degraded Soils in Uganda, Rwanda, and Tanzania

1/1/10 to 9/30/10 RESEARCH
WESTGATE, MARK AGRONOMY-AES/CALS

\$218,336 FEDERAL AVIATION ADMINISTRATION

437-25-16

105999 Fundamental Studies of MPI and Impact on Standards and Industrial Practice

4/1/10 to 3/31/11 RESEARCH
BRASCHE, LISA CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
CO-PI EISENMANN, DAVID CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
CO-PI ENYART, DARREL CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
CO-PI LO, CHI CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED

\$201,000 OHIO STATE UNIVERSITY

410-40-66

98638 Pathogen Inactivation in Fresh Produce by Incorporation of Sanitizer into Existing Operations within the Produce Chain

9/1/09 to 8/31/13 RESEARCH
WILSON, LESTER FOOD SCIENCE & HUMAN NUTRITION-AES/CALS
CO-PI MENDONCA, AUBREY FOOD SCIENCE & HUMAN NUTRITION-AES/CALS
CO-PI BREHM-STECHER, BYRON FOOD SCIENCE & HUMAN NUTRITION-HS

\$188,894 NATIONAL SCIENCE FOUNDATION

420-61-66

104335 Collaborative Research: Novel Bicarbonate Transporters in the Chlamydomonas CO2-concentrating Mechanism

3/15/10 to 2/28/11 RESEARCH
SPALDING, MARTIN GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS
CO-PI MCCLOSKEY, MICHAEL GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS

\$183,933 TOYOTA MOTOR ENGINEERING AND MANUFACTURING NORTH AMERICAN, INC

400-65-30

107174 Fundamental Research on Steel Material Properties for Automobile Applications and on Their Response to Electromagnetic Measurements

4/1/10 to 9/30/11 RESEARCH
NAKAGAWA, NORIO CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
CO-PI LO, CHI CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED

April 01 - 30, 2010

458

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$182,720 GOLD DRAGON RESEARCH COMPANY

400-40-92

104390 Identification of Genetic Markers for the Improvement of Growth and Disease-resistance in Pacific White Shrimp

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

ROTHSCHILD, MAX ANIMAL SCIENCE-AES/CALS

\$170,000 NATIONAL SCIENCE FOUNDATION

420-40-82

104450 Coenzyme B12-dependent 1,2-Propanediol Degradation by Salmonella

3/15/10 to 2/28/11 RESEARCH

BOBIK, THOMAS BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS

\$170,000 CRAY, INC

400-26-05

107501 Projects in High Performance Computing

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

LUECKE, GLENN INFORMATION TECHNOLOGY SERVICES-PROV

\$156,001 NATIONAL SCIENCE FOUNDATION

420-61-60

94542 A New Pathway for GSH Metabolism in Plants

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

OLIVER, DAVID GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS

\$151,294 ARMY RESEARCH OFFICE

421-20-08

96085 Phase Transformations in Ceramics Under Compression and Shear

12/1/08 to 5/31/11 RESEARCH

LEVITAS, VALERY MECHANICAL ENGINEERING-ENGR

\$149,200 BOEHRINGER INGELHEIM VETMEDICA, INC

400-23-51

106706 A Cross-sectional Study of PRRSV Positive Swine Breeding Herd Sites to Evaluate Associations Between Risk Factors and a Case Definition-based Number and Severity of Clinical PRRS Episodes

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

HOLTKAMP, DERALD VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

April 01 - 30, 2010

459

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$142,727 AUBURN UNIVERSITY

410-30-99

107523 Technology Specialist for the Army Youth Development Project

10/1/10 to 9/14/11 EXTENSION/PUBLIC

MORRIS, JOHN EXTENSION 4-H YOUTH DEVELOPMENT-EXT

\$126,786 ANNIE E. CASEY FOUNDATION

400-17-38

106004 Promoting School-community-university Partnerships to Enhance Resilience (PROSPER) Project

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

SPOTH, RICHARD PARTNERSHIPS IN PREVENTION SCIENCE INSTITUTE-VPR/ED

\$123,666 APC, INC

400-23-39

107162 Studies to Investigate the Role of Spray-dried Plasma in PCV2 Transmission

4/1/10 to 3/30/11 RESEARCH

OPRIESSNIG, TANJA VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
CO-PI HALBUR, PATRICK VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

\$123,241 KANSAS STATE UNIVERSITY

410-23-14

96044 Identifying Ecologic and Epidemiologic Factors in the Control of PRRS: A Field-based Approach

8/1/08 to 5/31/11 RESEARCH

ZIMMERMAN, JEFFREY VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
CO-PI OCONNOR, ANNETTE VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
CO-PI HOLTkamp, DERALD VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

\$120,057 NATIONAL INSTITUTES OF HEALTH

430-23-41

91089 Role of B Cells in the Cell-mediated Immune Response to leishmania amazonensis

5/1/10 to 4/30/11 RESEARCH

GIBSON-CORLEY, KATHERINE VETERINARY PATHOLOGY

\$120,000 NATIONAL SCIENCE FOUNDATION

420-40-83

104278 Role of MYB305 in the Function of the Floral Nectary

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

THORNBURG, ROBERT BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS
CO-PI HORNER, HARRY GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS

April 01 - 30, 2010

460

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$105,644 DEPARTMENT OF ENERGY

401-21-12

90338 Continuous Dynamic Grid Adaptation in a Global Atmospheric Model: Application and Refinement

3/15/10 to 3/14/11 RESEARCH

GUTOWSKI, WILLIAM GEOLOGICAL & ATMOSPHERIC SCIENCES

\$100,208 UNIVERSITY OF IOWA

475-17-12

104944 Wind Loads on Dynamic Message Cabinets and Behavior of Supporting Trusses

11/1/09 to 10/31/11 RESEARCH

PHARES, BRENT INSTITUTE FOR TRANSPORTATION-VPR/ED

CO-PI WIPF, TERRY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

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

\$100,000 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

426-40-01

90743 Multi-RCM Ensemble Downscaling of NCEP CFS Seasonal Forecasts

7/1/08 to 6/30/11 RESEARCH

ARRITT, RAYMOND AGRONOMY

CO-PI GUTOWSKI, WILLIAM GEOLOGICAL & ATMOSPHERIC SCIENCES

CO-PI TAKLE, GENE AGRONOMY

\$97,903 DEPARTMENT OF EDUCATION

432-57-70

105118 Pell Grant, FY10

7/1/09 to 6/30/10 STUDENT FINANCIAL AID

JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA

\$95,523 NATIONAL SECURITY AGENCY

428-10-03

105695 STARTALK: Reaching Generation C by Creating, Communicating, and Collaborating

4/7/10 to 2/28/11 INSTRUCTION/TRAINING

ROSENBUSCH, MARCIA CURRICULUM & INSTRUCTION-HS

\$95,000 NATIONAL SCIENCE FOUNDATION

420-61-81

95801 CAREER: Rationally Designed Conjugated Polymers Based on Benzobisoxazoles

6/1/09 to 5/31/11 RESEARCH

JEFFRIES-EL, MALIKA CHEMISTRY-LAS

April 01 - 30, 2010

461

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$87,400 SYNGENTA

400-48-71

107314 Corn Pests Research Project

3/30/10 to 3/30/11 RESEARCH

CO-PI GASSMANN, AARON ENTOMOLOGY-AES/CALS
CO-PI WEBER, PATRICK ENTOMOLOGY-AES/CALS

\$85,000 NATIONAL SCIENCE FOUNDATION

420-71-02

95804 CAREER: On Mutualism of Modularity and Concurrency Goals

7/1/09 to 6/30/11 RESEARCH

RAJAN, HRIDESH COMPUTER SCIENCE-LAS

\$84,293 CONSORTIUM FOR PLANT BIOTECHNOLOGY RESEARCH, INC

404-40-69

94358 Plant Resistance to Aphids Mediated by a BT Toxin

1/1/09 to 12/31/09 RESEARCH

BONNING, BRYONY ENTOMOLOGY-AES

\$81,148 NATIONAL INSTITUTES OF HEALTH

430-17-12

104827 A Measurement Error Approach to Estimating Usual Daily Physical Activity Distributions

6/1/09 to 5/31/10 RESEARCH

CO-PI WELK, GREGORY KINESIOLOGY-HS
CO-PI NUSSER, SARAH STATISTICS-LAS
CO-PI CARRIQUIRY, ALICIA STATISTICS-LAS

\$75,929 NATIONAL INSTITUTES OF HEALTH

430-17-12

106965 Simulation Study to Compare Various Methods for Adjusting for Within Person Error

6/1/09 to 5/31/10 RESEARCH

CO-PI WELK, GREGORY KINESIOLOGY-HS
CO-PI CARRIQUIRY, ALICIA STATISTICS-LAS
CO-PI NUSSER, SARAH STATISTICS-AES/CALS

April 01 - 30, 2010

462

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$65,120	CENTERS FOR DISEASE CONTROL AND PREVENTION	430-17-01
98852	Adoption and Implementation Support Innovations for PROSPER Partnership-based EBI Delivery Network	
9/15/09	to 9/14/10	RESEARCH
SPOTH, RICHARD		PARTNERSHIPS IN PREVENTION SCIENCE INSTITUTE-VPR/ED
\$64,360	UNIVERSITY OF MARYLAND	404-65-01
78949	Iron-based Magnetostrictive Alloys: New Structural Materials for Revolutionary Engineered Systems	
10/1/07	to 5/31/11	RESEARCH
LOGRASSO, THOMAS		MATERIALS SCIENCE & ENGINEERING
CO-PI MCQUEENEY, ROBERT		PHYSICS & ASTRONOMY
\$64,276	CONSORTIUM FOR PLANT BIOTECHNOLOGY RESEARCH, INC	404-40-84
99756	Nonhost Resistance for Engineering Disease Resistance	
1/1/09	to 12/31/09	RESEARCH
BHATTACHARYYA, MADAN		AGRONOMY-AES/CALS
\$62,271	ADM ALLIANCE NUTRITION, INC	400-41-13
107426	Increasing the Inclusion Rate of Distillers Grains in Beef Cattle Diets through Mitigation of Sulfate Toxicity	
4/1/10	to 8/1/11	RESEARCH
HANSEN, STEPHANIE		ANIMAL SCIENCE-AES/CALS
CO-PI BEITZ, DONALD		ANIMAL SCIENCE-AES/CALS
CO-PI ENSLEY, STEVE		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
CO-PI LOY, DANIEL		ANIMAL SCIENCE-AES/CALS
CO-PI DREWNOSKI, MARY		ANIMAL SCIENCE-AES/CALS
CO-PI ALLISON, MILTON		ANIMAL SCIENCE-AES/CALS
\$58,625	GEORGE WASHINGTON UNIVERSITY	404-17-80
93975	Architectural Support for Detection and Recovery Using Hardware Wrappers	
3/15/09	to 11/30/10	RESEARCH
ZAMBRENO, JOSEPH		ELECTRICAL & COMPUTER ENGINEERING-ENGR

April 01 - 30, 2010

463

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$56,708 ARCHER DANIELS MIDLAND

400-41-15

107464 Increasing the Inclusion Rate of Distillers Grains in Beef Cattle Diets through Mitigation of Sulfate Toxicity

6/1/10 to 9/1/12 RESEARCH

HANSEN, STEPHANIE ANIMAL SCIENCE-AES/CALS
CO-PI DREWNOSKI, MARY ANIMAL SCIENCE-AES/CALS
CO-PI BEITZ, DONALD ANIMAL SCIENCE-AES/CALS
CO-PI LOY, DANIEL ANIMAL SCIENCE-EXT
CO-PI ENSLEY, STEVE VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
CO-PI ALLISON, MILTON ANIMAL SCIENCE-AES/CALS

\$50,000 KANSAS STATE UNIVERSITY

410-30-98

106424 Operation Military Kids Camp Initiative 2010

4/1/10 to 9/30/10 EXTENSION/PUBLIC

MORRIS, JOHN EXTENSION 4-H YOUTH DEVELOPMENT-EXT
CO-PI GLEASON, CHRIS EXTENSION 4-H YOUTH DEVELOPMENT-EXT

\$50,000 RESEAU DE TRANSPORT D ELECTRICITE

400-20-63

106814 Reseau de Transport d'Electricite EPRC Support

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

BAIRD, TOM ELECTRICAL & COMPUTER ENGINEERING-ENGR

\$48,170 NATIONAL PORK BOARD

453-23-14

105835 The Prevalence of PCV2 Viremia in Conventional Piglets Born to PCV2- vaccinated and Non-vaccinated Sows at Birth and Effect of PCV2 Viremia on Pig Performance

5/1/10 to 5/1/11 RESEARCH

OPRIESSNIG, TANJA VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
CO-PI HALBUR, PATRICK VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

\$48,093 NATIONAL SCIENCE FOUNDATION

420-60-32

104785 NETS: Medium: Collaborative Research: Modeling, Design and Emulation of P2P Real-time Streaming Networks

6/1/10 to 5/31/11 RESEARCH

YING, LEI ELECTRICAL & COMPUTER ENGINEERING-ENGR

April 01 - 30, 2010

464

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$46,000 ECOSMART TECHNOLOGIES, INC

400-42-78

106922 Mode of Action of Monoterpenes in Insects

7/1/10 to 12/31/11 RESEARCH

LEWIS, LES ENTOMOLOGY-AES/CALS

CO-PI COATS, JOEL ENTOMOLOGY-AES/CALS

\$44,000 KANSAS STATE UNIVERSITY

404-40-47

107168 Genomic Analyses of Shoot Meristem Function in Maize

9/1/08 to 8/31/12 RESEARCH

SCHNABLE, PATRICK AGRONOMY-AES/CALS

\$38,577 DEPARTMENT OF AGRICULTURE, ARS

419-23-10

107414 Study of PRRS and PRRS Related Diseases

7/1/08 to 11/15/10 RESEARCH

BAKER, RODNEY VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

\$30,000 NORTH CENTRAL SOYBEAN RESEARCH PROGRAM

459-40-07

106785 Sentinel Plot Monitoring Program for Early Detection of Soybean Rust and Continued Development of Model Forecasts of Soybean Rust Spore Movement and Spread in the United States

3/1/10 to 11/30/10 RESEARCH

YANG, XIAO PLANT PATHOLOGY-AES/CALS

\$30,000 IOWA DEPARTMENT OF TRANSPORTATION

474-21-05

106967 Bayesian Analysis of Traffic Crash Data Using Hierarchical Models with a Spatial Error Structure

10/20/04 to 5/31/11 RESEARCH

CARRIQUIRY, ALICIA STATISTICS-LAS

\$29,534 VARIOUS UTILITIES THROUGH THE IOWA DEPARTMENT OF COMMERCE

478-17-00

99209 Operational Funds for the Iowa Energy Center

3/12/10 to 12/31/99 RESEARCH

NORDMEYER, KEVIN IOWA ENERGY CENTER-VPR/ED

April 01 - 30, 2010

465

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$25,000	CONCRETE STEEL REINFORCING INSTITUTE			400-17-56
106209	Management of the National Concrete Pavement Technology Center			
	1/1/10 to 12/31/10	DEPT/ADMIN SUPPORT		
	CO-PI CACKLER, ELLS		INSTITUTE FOR TRANSPORTATION-VPR/ED	
	CO-PI NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$25,000	MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC			400-60-81
107455	Midwest Independent Transmission System Operator, Inc EPRC Support			
	1/1/10 to 12/31/10	RESEARCH		
	BAIRD, TOM		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$24,339	MISSISSIPPI STATE UNIVERSITY			400-17-63
105698	Past and Future Scenario Climate for the State of Mississippi			
	1/29/10 to 12/31/10	RESEARCH		
	TAKLE, GENE		AGRONOMY-AES/CALS	
\$23,164	FRANKLIN RURAL ELECTRIC COOPERATIVE			400-61-61
107518	Phase 1 Archaeological Survey			
	3/23/10 to 6/30/10	EXTENSION/PUBLIC		
	HILL, MATTHEW		ANTHROPOLOGY-LAS	
\$22,687	NATIONAL SECURITY AGENCY			421-21-07
96639	Connections Between Tagged Particles and Hydrodynamics in Some Interacting Partical Systems			
	3/10/10 to 3/9/11	RESEARCH		
	SETHURAMAN, SUNDER		MATHEMATICS-LAS	
\$20,000	DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER			428-23-13
84162	Growth Factor Treatment of Visual Loss in Compressive Optic Nerve Injury			
	3/17/10 to 6/30/10	RESEARCH		
	GROZDANIC, SINISA		VETERINARY CLINICAL SCIENCES	
	GROZDANIC, SINISA		VETERINARY CLINICAL SCIENCES	
	CO-PI SAKAGUCHI, DONALD		GENETICS, DEVELOPMENT & CELL BIOLOGY	
	CO-PI SAKAGUCHI, DONALD		GENETICS, DEVELOPMENT & CELL BIOLOGY	

April 01 - 30, 2010

466

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$20,000	STEEL FOUNDERS SOCIETY OF AMERICA			404-20-60
104688	Casting Initiatives			
	1/15/10 to 3/31/11	RESEARCH		
	PETERS, FRANK		INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR	
CO-PI	JACKMAN, JOHN		INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR	
CO-PI	FRANK, MATTHEW		INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR	
CO-PI	MORRIS, MAX		STATISTICS-LAS	
CO-PI	CHUMBLEY, LEONARD		MATERIALS SCIENCE & ENGINEERING-ENGR	
CO-PI	GRAY, JOSEPH		CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
\$20,000	PIONEER HI-BRED INTERNATIONAL, INC			400-48-68
107534	Evaluating Effectiveness of Optimum™ AcreMax® Corn Rootworm Refuge Under Diverse Conditions			
	3/24/10 to 6/1/11	RESEARCH		
	GASSMANN, AARON		ENTOMOLOGY-AES/CALS	
\$19,550	PIONEER HI-BRED INTERNATIONAL, INC			400-48-73
107677	Corn Pest Research Project			
	4/16/10 to 4/15/11	RESEARCH		
	GASSMANN, AARON		ENTOMOLOGY-AES/CALS	
CO-PI	WEBER, PATRICK		ENTOMOLOGY-AES/CALS	
\$19,368	WASHINGTON UNIVERSITY SCHOOL OF MEDICINE			404-21-93
104784	Center for Large Scale Genome Sequencing and Analysis			
	11/1/09 to 10/31/10	RESEARCH		
	HUANG, XIAOQIU		COMPUTER SCIENCE-LAS	
\$18,300	DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION			436-17-01
104923	Dwight David Eisenhower Transportation Fellowship Program			
	1/31/10 to 8/31/10	FELLOWSHIP		
	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	BRINK, MARCIA		INSTITUTE FOR TRANSPORTATION-VPR/ED	

April 01 - 30, 2010

467

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$16,999	UNIVERSITY OF IOWA			404-17-76
98068	The Effectiveness of Smoking Cessation Guidelines in the Emergency Department			
	7/15/08 to 6/30/10	RESEARCH		
	ANDERSON, DIANNE		CENTER FOR SURVEY STATISTICS & METHODOLOGY-VPR/ED	
\$16,933	UNIVERSITY OF WISCONSIN, MADISON			404-23-08
104519	Veterinary Curricular Cooperative: Reducing Veterinary Student Debt Loads through Electronic Sharing of Courses and Textbooks			
	10/1/09 to 9/30/10	INSTRUCTION/TRAINING		
	DANIELSON, JARED		VETERINARY PATHOLOGY-VET	
\$16,861	UNIVERSITY OF NORTHERN IOWA			475-20-25
107406	Toward Mission Automation: Command and Control of Autonomous and Semi-autonomous Vehicles through Advanced Human Computer Interfaces (HCI)			
	4/1/10 to 8/31/10	RESEARCH		
	JONES, PHILLIP		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$15,000	PROVIMI NORTH AMERICA, INC			400-41-03
107084	Evaluation of Feed Additives to Reduce Ammonia Emission from Poultry Manure			
	4/19/10 to 7/18/10	RESEARCH		
	LI, HONG		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	XIN, HONGWEI		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
\$14,356	IOWA PORK PRODUCERS ASSOCIATION			452-23-01
105047	A Hands-on Education and Training Module for Euthanasia in the Iowa Swine Welfare School			
	12/1/09 to 11/30/10	RESEARCH		
	MILLMAN, SUZANNE		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
CO-PI	BROOKS, RAYMOND		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
CO-PI	KARRIKER, LOCKE		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
CO-PI	BUTTERS-JOHNSON, ANNA		ANIMAL SCIENCE-AES/CALS	
CO-PI	STALDER, KENNETH		ANIMAL SCIENCE-AES/CALS	
\$13,411	NATIONAL SCIENCE FOUNDATION			420-71-06
105798	Dissertation Research: Interspecific Interactions Over a Latitudinal Resource Gradient: A Graphical Modeling Approach Using Fig Wasps			
	5/1/10 to 4/30/11	RESEARCH		
	NASON, JOHN		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	

April 01 - 30, 2010

468

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$13,411	NATIONAL SCIENCE FOUNDATION				420-71-06
105798	Dissertation Research: Interspecific Interactions Over a Latitudinal Resource Gradient: A Graphical Modeling Approach Using Fig Wasps				
	5/1/10 to 4/30/11	RESEARCH			
CO-PI	DUTHIE, ALEXANDER		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS		
\$13,053	LOS ALAMOS NATIONAL LABORATORY				404-40-96
107671	Genetically Transform Plant Species				
	4/13/10 to 1/31/12	RESEARCH			
	WANG, KAN		AGRONOMY-AES/CALS		
\$13,000	DEERE & COMPANY				400-25-75
106366	Integration of Real-time User Controlled Image Capture Tools				
	3/1/10 to 9/1/10	RESEARCH			
	BRYDEN, KENNETH		MECHANICAL ENGINEERING-ENGR		
CO-PI	MCCORKLE, DOUGLAS		VIRTUAL REALITY APPLICATIONS CENTER - IPRT-VPR/ED		
\$12,000	DEPARTMENT OF EDUCATION				432-57-68
105117	Teacher Education Assistance for College and Higher Education (TEACH) Grant, FY10				
	7/1/09 to 6/30/10	STUDENT FINANCIAL AID			
	JOHNSON, ROBERTA		STUDENT FINANCIAL AID-VPSA		
\$12,000	NATIONAL SCIENCE FOUNDATION				420-25-62
107190	GOALI: A Hybrid Method to Support Natural Interaction of Parts in a Virtual Environment				
	4/2/10 to 7/31/11	RESEARCH			
	VANCE, JUDY		MECHANICAL ENGINEERING-ENGR		
CO-PI	GILBERT, STEPHEN		INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED		
\$11,000	UNIVERSITY OF GUELPH				400-23-58
99127	Effectiveness of Non-penetrating Captive Bolt and Restraint for Euthanasia of Piglets from Birth to 9 kg				
	2/1/10 to 9/1/10	RESEARCH			
	MILLMAN, SUZANNE		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET		

April 01 - 30, 2010

469

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$10,500	DEPARTMENT OF EDUCATION			432-57-67
105116	National Science and Mathematics Access to Retain Talent (SMART) Grant, FY10			
	7/1/09 to 6/30/10	STUDENT FINANCIAL AID		
	JOHNSON, ROBERTA	STUDENT FINANCIAL AID-VP		
\$9,982	COLORADO STATE UNIVERSITY			404-30-21
107169	I-29 Corridor Dairy Occupational Safety Training Workshop			
	1/1/10 to 9/14/10	EXTENSION/PUBLIC		
	MONDAK, CHRISTINE	EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT		
\$8,750	AMERICAN VANGUARD CHEMICAL CORPORATION			400-48-66
98903	Corn Pests Research Project			
	5/1/09 to 4/30/10	RESEARCH		
	GASSMANN, AARON	ENTOMOLOGY-AES/CALS		
CO-PI	WEBER, PATRICK	ENTOMOLOGY-AES/CALS		
\$8,500	DUPONT CROP PROTECTION			400-30-75
106000	Bean Leaf Beetle Efficacy Evaluation			
	12/15/09 to 12/15/13	RESEARCH		
	HODGSON, ERIN	ENTOMOLOGY-EXT		
\$8,420	PURAC INCORPORATED			400-44-22
106658	Improving Quality of Beef Round Muscles Packaged in High-oxygen Modified Atmosphere through Early Postmortem Calcium Lactate Enhancement			
	2/8/10 to 5/31/10	RESEARCH		
	LONERGAN, ELISABETH	ANIMAL SCIENCE-AES/CALS		
CO-PI	LONERGAN, STEVEN	ANIMAL SCIENCE-AES/CALS		
\$8,318	UNIVERSITY OF TENNESSEE			404-40-80
98260	MIDGEPEET: A Collaborative Effort to Increase Taxonomic Expertise in Understudied Families of nematocerosus diptera			
	8/15/09 to 7/31/10	RESEARCH		
	COURTNEY, GREGORY	ENTOMOLOGY-AES/CALS		

April 01 - 30, 2010

470

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$7,975	DES MOINES PUBLIC SCHOOLS			404-28-21
105127	Project CLIO: Teaching American History			
	11/1/09 to 8/31/10	INSTRUCTION/TRAINING		
	LEE, MIMI	CURRICULUM & INSTRUCTION-HS		
\$6,830	PFIZER, INC			400-41-07
106641	A Feasibility Study of Using Raman Spectroscopy to Detect Androstenone and Skatole in Pigs			
	3/1/10 to 6/30/10	RESEARCH		
	YU, CHENXU	AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS		
\$6,474	BIODYNAMICS, INC			400-75-47
107096	Pretreatments for Improving Cellulose Digestibility of Hybrid Poplar Wood			
	3/1/10 to 9/1/10	RESEARCH		
	KUO, MONLIN	NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS		
	CO-PI MUFF, BRIAN	INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VP		
\$6,125	UNIVERSITE LAVAL			400-40-86
105966	The Effects of Liberalizing the Canadian Poultry Industry			
	10/1/09 to 3/31/10	RESEARCH		
	POULIOT, SEBASTIEN	ECONOMICS-AES/CALS		
\$6,000	NATIONAL SCIENCE FOUNDATION			420-61-08
107088	Collaborative Research: Oxidative Stress, Telomere Dynamics and Aging in a Free-living Organism			
	4/1/08 to 3/31/11	RESEARCH		
	VLECK, CAROL	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS		
	CO-PI VLECK, DAVID	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS		
\$5,906	UNITED ACTION FOR YOUTH			400-30-12
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		

April 01 - 30, 2010

471

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$5,700	UNITED WAYS OF IOWA			400-30-91
107243	Enhancement Funding for 211 Centers			
	3/1/10 to 4/30/10	EXTENSION/PUBLIC		
	WARNING, JEANNE		EXTENSION TO FAMILIES-EXT	
CO-PI	VANGINKEL, MARGARET		EXTENSION TO FAMILIES-EXT	
\$5,000	IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT			478-40-01
106306	Food Science and Industry Network			
	3/31/10 to 4/30/10	INSTRUCTION/TRAINING		
	MACDONALD, RUTH		FOOD SCIENCE & HUMAN NUTRITION-AES/CALS	
\$4,989	ASHLAND HERCULES WATER TECHNOLOGY			400-41-08
105795	Turfgrass Field Trials			
	1/1/10 to 12/31/10	RESEARCH		
	CHRISTIANS, NICK		HORTICULTURE-AES/CALS	
\$4,830	GOWAN COMPANY, LLC			400-41-08
107513	Turfgrass Field Research Trials 2010			
	4/2/10 to 12/31/10	RESEARCH		
	CHRISTIANS, NICK		HORTICULTURE-AES/CALS	
\$4,498	STORY COUNTY AGRICULTURAL EXTENSION DISTRICT			400-30-74
106548	Iowa Phosphorus Index Workshop Evaluation			
	7/1/09 to 2/28/10	EXTENSION/PUBLIC		
	EMERY, MARY		SOCIOLOGY-EXT	
\$4,150	DEPARTMENT OF AGRICULTURE, NRCS			412-30-17
107161	Iowa Manure Management Action Group			
	3/19/10 to 9/30/10	EXTENSION/PUBLIC		
	LAWRENCE, JOHN		EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT	
CO-PI	RIECK-HINZ, ANGELA		AGRONOMY-EXT	

April 01 - 30, 2010

472

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$3,944	IOWA DEPARTMENT OF NATURAL RESOURCES	473-21-03
104495	Phase 1 Archaeological Survey	
	7/1/09 to 6/30/10 EXTENSION/PUBLIC	
	HILL, MATTHEW ANTHROPOLOGY-LAS	
\$3,936	IOWA DEPARTMENT OF NATURAL RESOURCES	473-21-03
104495	Phase 1 Archaeological Survey	
	7/1/09 to 6/30/10 EXTENSION/PUBLIC	
	HILL, MATTHEW ANTHROPOLOGY-LAS	
\$3,375	WOODBURY COUNTY EXTENSION	400-30-12
105077	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	
\$3,250	DEPARTMENT OF EDUCATION	432-57-66
105114	Academic Competitiveness Grant (ACG), FY10	
	7/1/09 to 6/30/10 STUDENT FINANCIAL AID	
	JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA	
\$2,500	IOWA DEPARTMENT OF NATURAL RESOURCES	473-42-46
106084	Reproductive Ecology of White-tailed Jackrabbits in Central Iowa	
	6/1/10 to 5/31/11 RESEARCH	
	FAIRBANKS, WENDELYN NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
\$2,468	CITY OF OGDEN	400-61-61
107320	Phase 1 Archaeological Survey for City of Ogden Waste Water Improvements	
	3/11/10 to 6/30/10 EXTENSION/PUBLIC	
	HILL, MATTHEW ANTHROPOLOGY-LAS	

April 01 - 30, 2010

473

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$2,464	IOWA DEPARTMENT OF NATURAL RESOURCES			473-42-49
106090	Refinement of National Survey Protocols for Monitoring Secretive Marsh-birds			
	6/1/10 to 5/31/11	RESEARCH		
	DINSMORE, STEPHEN		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
\$2,300	IOWA DEPARTMENT OF NATURAL RESOURCES			473-21-03
104495	Phase 1 Archaeological Survey			
	7/1/09 to 6/30/10	EXTENSION/PUBLIC		
	HILL, MATTHEW		ANTHROPOLOGY-LAS	
\$2,000	IOWA DEPARTMENT OF HUMAN SERVICES			478-30-51
107391	After Hours Phone Services for DHS Targeted Case Management			
	7/1/09 to 6/30/10	EXTENSION/PUBLIC		
	GLENN, SHERRY		EXTENSION TO FAMILIES-EXT	
	CO-PI VANGINKEL, MARGARET		EXTENSION TO FAMILIES-EXT	
\$1,986	DEPARTMENT OF AGRICULTURE, ARS			419-40-35
96839	Research Support Agreement			
	10/1/08 to 9/30/09	RESEARCH		
	LAMKEY, KENDALL		AGRONOMY-AES	
\$1,815	UNIVERSITY OF ARIZONA			410-30-97
99356	CYFAR Sustainable Community Projects Common Measures Study			
	10/1/08 to 9/30/10	EXTENSION/PUBLIC		
	WOODS, BARBARA		EXTENSION TO FAMILIES-EXT	
\$1,688	YOUTH AND SHELTER SERVICES			400-30-12
105874	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	

April 01 - 30, 2010

474

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$906	COMMUNITY CORRECTION IMPROVEMENT ASSOCIATION	400-30-12
105162	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	
\$846	POSITIVELY SPENCER YOUTH	400-30-12
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	
\$844	ASPIRE THERAPEUTIC RIDING PROGRAM	400-30-12
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	
\$844	LOUISA COUNTY EXTENSION	400-30-12
105843	Local Support for Iowa Americorps State of Promise Program	
	9/1/09 to 8/1/10 EXTENSION/PUBLIC	
	BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$844	MONROE COUNTY AGRICULTURAL EXTENSION	400-30-12
106105	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	
\$836	DEPARTMENT OF AGRICULTURE, ARS	419-23-37
96905	Research Support Agreement	
	10/1/08 to 9/30/09 RESEARCH	
	ANDREASEN, CLAIRE VETERINARY PATHOLOGY-VET	

April 01 - 30, 2010

475

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$453 HARTLEY PUBLIC LIBRARY

400-30-12

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

\$340 DEPARTMENT OF AGRICULTURE, ARS

419-40-39

96841 Research Support Agreement

10/1/08 to 9/30/09 RESEARCH

LAMKEY, KENDALL AGRONOMY-AES

\$6 DEPARTMENT OF AGRICULTURE, ARS

419-40-42

96942 Research Support Agreement

10/1/08 to 9/30/09 RESEARCH

LAMKEY, KENDALL AGRONOMY-AES

\$3 DEPARTMENT OF AGRICULTURE, ARS

419-40-40

96874 Research Support Agreement

10/1/08 to 9/30/09 RESEARCH

LAMKEY, KENDALL AGRONOMY-AES