EXTRAMURAL AWARDS
May 2019

COLLEGE OF AGRICULTURE

AGRICULTURAL ECONOMICS

Pendell, Dustin L., Amrine, David E. (Dean of Veterinary Medical Center), Larson, Robert L. (Clinical Sciences), Weaber, Robert L. (Animal Sciences and Industry), and White, Bradley J. (Dean of Veterinary Medical Center), American Angus Association, $18,000, "BCI Health Knowledge Network: Monitoring Cattle Heart Syndromes."


Tack, Jesse B., and Bergtold, Jason S., US Department of Agriculture, $50,843, "Producer Driven Adaptation to Extreme Weather and Climate Change: Examining Crop Management and Marketing Adaption Strategies (Noah Miller)."


Tonsor, Glynn T., US Department of Agriculture, $91,975, "Consumer and Societal Impacts of More Efficient Animal Protein Production."

AGRICULTURAL RESEARCH CENTER-HAYS
Kumar, Vipan, and Peterson, Dallas E. (Agronomy), Kansas Soybean Commission, $17,109, "Non-Xtend Soybean Response to Simulated Dicamba Drift."

AGRONOMY
Adee, Eric A., Little, Christopher R. (Plant Pathology), and Schapaugh Jr, William T., Kansas Soybean Commission, $3,995, "Investigating SDS and Fusarium Root Rot Resistance, Preventive Seed Treatments, and Pathogen Variability in Kansas."

Adee, Eric A., Support Funds, $24,500, "AGR Support Funds Experiment Field 26."


Ciampitti, Ignacio, Duncan, Stewart R. (Northeast Area Office), Jardine, Douglas J. (Plant Pathology), Knapp, Mary C., McCormack, Brian P. (Entomology), O'Brien, Daniel M. (Northwest Area Office), and Ruiz Diaz Suarez, Dorivar A., Kansas Soybean Commission, $16,500, "Improving Soybean Yields by Enhancing Seed Filling."

Jugulam, Mithila, Miller Chemical and Fertilizer LLC, $21,870, "Enhancement of Herbicide Uptake and Translocation by Miller Adjuvants."

Knapp, Mary C., Ciampitti, Ignacio, Duncan, Stewart R. (Northeast Area Office), Jardine, Douglas J. (Plant Pathology), McCormack, Brian P. (Entomology), O'Brien, Daniel M. (Northwest Area Office), and Ruiz Diaz Suarez, Dorivar A., Kansas Soybean Commission, $16,500, "Improving Soybean Yields by Enhancing Seed Filling."
Suarez, Dorivar A., Kansas Soybean Commission, $1,375, "Improving Soybean Yields by Enhancing Seed Filling."

Lin, Xiaomao, Little, Christopher R. (Plant Pathology), Roozeboom, Kraig L., and Sassenrath, Gretchen F. (Southeast Agricultural Research Center), Kansas Soybean Commission, $1,722, "Soybean Production Systems to Control Charcoal Rot and Other Soil-borne Diseases."


Peterson, Dallas E., and Kumar, Vipan (Agricultural Research Center-Hays), Kansas Soybean Commission, $17,109, "Non-Xtend Soybean Response to Simulated Dicamba Drift."

Peterson, Dallas E., Support Funds, $16,420, "AGR Support Funds Public Service 35."


Rice, Charles W., Dodds, Walter K. (Biology), and Zeglin, Lydia H. (Biology), Kansas Board of Regents, $2,500, "RII Track-1: Microbiomes of Aquatic, Plant and Soil Systems Across Kansas."

Roozeboom, Kraig L., Lin, Xiaomao, Little, Christopher R. (Plant Pathology), and Sassenrath, Gretchen F. (Southeast Agricultural Research Center), Kansas Soybean Commission, $5,165, "Soybean Production Systems to Control Charcoal Rot and Other Soil-borne Diseases."

Ruiz Diaz Suarez, Dorivar A., Ciampitti, Ignacio, Duncan, Stewart R. (Northeast Area Office), and Sweeney, Daniel W. (Southeast Agricultural Research Center), Kansas Soybean Commission, $30,330, "Assessment of Soil Potassium Bioavailability and Improving Diagnostics Tools for K Management on Soybean in Kansas."

Ruiz Diaz Suarez, Dorivar A., Ciampitti, Ignacio, Duncan, Stewart R. (Northeast Area Office), Jardine, Douglas J. (Plant Pathology), Knapp, Mary C., McCormack, Brian P. (Entomology), and O'Brien, Daniel M. (Northwest Area Office), Kansas Soybean Commission, $1,375, "Improving Soybean Yields by Enhancing Seed Filling."

Schapaugh Jr, William T., Todd, Timothy C. (Plant Pathology), and Trick, Harold N. (Plant Pathology), Kansas Soybean Commission, $170,000, "Integrating Germplasm Evaluation, Genetic Engineering, Breeding and High-Throughput Phenotyping to Improve Sustainability of Soybean Production."


ANIMAL SCIENCES AND INDUSTRY

Beyer, R. Scott, Paulk, Chad B. (Grain Science and Industry), and Stark, Charles (Grain Science and Industry), Illinois Soybean Association, $852, "Evaluation of Soybean Meal from Illinois Soybeans."

Bradford, Barry J., Nutreco, $95,274, "The Effect of Gluconic Acid (Calcium Gluconate) Supplementation in Diets for Mid-lactation Holstein Cows on Lactation Performance and Feed Efficiency."

Chao, Michael, Magnin, Geraldine C. (Anatomy and Physiology), and O'Quinn, Travis G., National Cattlemen's Beef Association, $9,900, "Utilizing Collagen Crosslinks as Markers for Sensory Improvement of Beef Shin/Shank Cuts."
DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Goodband, Robert D., Niederwerder, Megan (Diagnostic Medicine/Pathobiology), Tokach, Michael D., and Woodworth, Jason C., CEVA Biomune, $21,298, "Effect of GleptoForte Injection Timing on Suckling, Nursery and Finish Pig Performance, Hematological Criteria and Fecal Microbiome Characteristics."

DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Goodband, Robert D., Tokach, Michael D., and Woodworth, Jason C., Origination Inc, $12,000, "Comparing the Effects of Different Phytase Sources on the Growth Performance and Bone Mineralization of Nursery Pigs."

DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Goodband, Robert D., Paulk, Chad B. (Grain Science and Industry), Stark, Charles (Grain Science and Industry), Tokach, Michael D., and Woodworth, Jason C., Syngenta Seeds, Inc., $24,000, "Influence of Particle Size of High Amylase and Conventional Corn on Grinding Cost, Diet Flowability, and Productivity of Lactating Sows, Nursery, and Grow-finish Pigs."

Goodband, Robert D., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Tokach, Michael D., Origination Inc, $12,000, "Comparing the Effects of Different Phytase Sources on the Growth Performance and Bone Mineralization of Nursery Pigs."

Goodband, Robert D., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Paulk, Chad B. (Grain Science and Industry), Stark, Charles (Grain Science and Industry), Tokach, Michael D., and Woodworth, Jason C., Syngenta Seeds, Inc., $24,000, "Influence of Particle Size of High Amylase and Conventional Corn on Grinding Cost, Diet Flowability, and Productivity of Lactating Sows, Nursery, and Grow-finish Pigs."

Lee, Charles D., Kansas Department of Wildlife and Parks, $4,899, "Extension Education Position Support."

O'Quinn, Travis G., Chao, Michael, and Magnin, Geraldine C. (Anatomy and Physiology), National Cattlemen's Beef Association, $5,400, "Utilizing Collagen Crosslinks as Markers for Sensory Improvement of Beef Shin/Shank Cuts."


Tokach, Michael D., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Goodband, Robert D., Niederwerder, Megan (Diagnostic Medicine/Pathobiology), and Woodworth, Jason C., CEVA Biomune, $21,298, "Effect of GleptoForte Injection Timing on Suckling, Nursery and Finish Pig Performance, Hematological Criteria and Fecal Microbiome Characteristics."

Tokach, Michael D., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Goodband, Robert D., and Woodworth, Jason C., Origination Inc, $12,000, "Comparing the Effects of Different Phytase Sources on the Growth Performance and Bone Mineralization of Nursery Pigs."

Tokach, Michael D., Paulk, Chad B. (Grain Science and Industry), and Stark, Charles (Grain Science and Industry), Syngenta Seeds, Inc., $900, "Evaluation of Pelleting of High Amylase Corn on Starch Gelatinization."

Tokach, Michael D., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Goodband, Robert D., Paulk, Chad B. (Grain Science and Industry), Stark, Charles (Grain Science and Industry), and
Woodworth, Jason C., Syngenta Seeds, Inc., $24,000, "Influence of Particle Size of High Amylase and Conventional Corn on Grinding Cost, Diet Flowability, and Productivity of Lactating Sows, Nursery, and Grow-finish Pigs."

Weaber, Robert L., Amrine, David E. (Dean of Veterinary Medical Center), Larson, Robert L. (Clinical Sciences), Pendell, Dustin L. (Agricultural Economics), and White, Bradley J. (Dean of Veterinary Medical Center), American Angus Association, $18,000, "BCI Health Knowledge Network: Monitoring Cattle Heart Syndromes."

Woodworth, Jason C., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Goodband, Robert D., Niederwerder, Megan (Diagnostic Medicine/Pathobiology), and Tokach, Michael D., CEVA Biomune, $21,298, "Effect of GleptoForte Injection Timing on Suckling, Nursery and Finish Pig Performance, Hematological Criteria and Fecal Microbiome Characteristics."

Woodworth, Jason C., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Goodband, Robert D., and Tokach, Michael D., Origination Inc, $12,000, "Comparing the Effects of Different Phytase Sources on the Growth Performance and Bone Mineralization of Nursery Pigs."

Woodworth, Jason C., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Goodband, Robert D., Paulk, Chad B. (Grain Science and Industry), Stark, Charles (Grain Science and Industry), and Tokach, Michael D., Syngenta Seeds, Inc., $24,000, "Influence of Particle Size of High Amylase and Conventional Corn on Grinding Cost, Diet Flowability, and Productivity of Lactating Sows, Nursery, and Grow-finish Pigs."

DEAN OF AGRICULTURE AND DIRECTOR OF AES
Dalton, Timothy J., US Agency for International Development, $184,057, "Implement a Genomics-Assisted Breeding Program in a Small Breeding Program in a Developing Country."


ENTOMOLOGY
Kim, Tania, and Spiesman, Brian J., US Department of Agriculture, $24,975, "Does Resource Continuity at a Landscape Scale Benefit Natural Enemies and Biocontrol?."

McCornack, Brian P., Kansas Soybean Commission, $56,198, "Agricultural Research Experiences for Teachers (RET) - Using Soybean as a Model System."

McCornack, Brian P., Smith, C. Michael, and Whitworth, Robert "Jeff" J., Kansas Soybean Commission, $24,000, "Development of Genetic, Chemical and Population-Based Tactics to Manage Key Kansas Soybean Insect Pests."


Park, Yoonseong, US Department of Agriculture, $118,150, "Fly-microbe Interactions Across Life History."

Ruberson, John R., Support Funds, $15,000, "AEN Support Funds Research 50."

Smith, C. Michael, McCornack, Brian P., and Whitworth, Robert "Jeff" J., Kansas Soybean Commission, $24,000, "Development of Genetic, Chemical and Population-Based Tactics to Manage Key Kansas Soybean Insect Pests."
Spiesman, Brian J., and Kim, Tania, US Department of Agriculture, $24,975, "Does Resource Continuity at a Landscape Scale Benefit Natural Enemies and Biocontrol?"

Whitworth, Robert "Jeff" J., McCormack, Brian P., and Smith, C. Michael, Kansas Soybean Commission, $12,000, "Development of Genetic, Chemical and Population-Based Tactics to Manage Key Kansas Soybean Insect Pests."

GRAIN SCIENCE AND INDUSTRY
Paulk, Chad B., Beyer, R. Scott (Animal Sciences and Industry), and Stark, Charles, Illinois Soybean Association, $7,239, "Evaluation of Soybean Meal from Illinois Soybeans."


Paulk, Chad B., DeRouchey, Joel M. (Animal Sciences and Industry), Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Goodband, Robert D. (Animal Sciences and Industry), Stark, Charles, Tokach, Michael D. (Animal Sciences and Industry), and Woodworth, Jason C. (Animal Sciences and Industry), Syngenta Seeds, Inc., $24,000, "Influence of Particle Size of High Amylase and Conventional Corn on Grinding Cost, Diet Flowability, and Productivity of Lactating Sows, Nursery, and Grow-finish Pigs."


Stark, Charles, Beyer, R. Scott (Animal Sciences and Industry), and Paulk, Chad B., Illinois Soybean Association, $426, "Evaluation of Soybean Meal from Illinois Soybeans."


Stark, Charles, DeRouchey, Joel M. (Animal Sciences and Industry), Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Goodband, Robert D. (Animal Sciences and Industry), Paulk, Chad B., Tokach, Michael D. (Animal Sciences and Industry), and Woodworth, Jason C. (Animal Sciences and Industry), Syngenta Seeds, Inc., $6,000, "Influence of Particle Size of High Amylase and Conventional Corn on Grinding Cost, Diet Flowability, and Productivity of Lactating Sows, Nursery, and Grow-finish Pigs."

HORTICULTURE AND NATURAL RESOURCES
Ebert, Kerri L., and Hadley, Gregg L. (Director of Cooperative Extension), University of Minnesota, $65,000, "Kansas SARE 2019-2020 PDP Plan of Work."


Griffin, Jason, Kansas Department of Agriculture, $100,000, "Monitoring Soil Moisture and Irrigation Requirements for Industrial Hemp Production in Kansas."

Hoyle, Jared, Support Funds, $62,000, "AHF Support Funds Research 0."

NORTHWEST RESEARCH EXTENSION CENTER
Aiken, Robert M., The Land Institute, $10,100, "Water Productivity and Genetic Variation of Silghium Integrifolium."
PLANT PATHOLOGY

Cook III, David E., Kennelly, Megan, and Mehra, Lucky K., US Department of Agriculture, $76,134, "Pathways to Plant Health through Integrated FACt-driven Research and Extension Internships."


Kennelly, Megan, Cook III, David E., and Mehra, Lucky K., US Department of Agriculture, $190,336, "Pathways to Plant Health through Integrated FACt-driven Research and Extension Internships."

Leslie, John F., International Institute for Tropical Agriculture, $18,656, "Collaboration Agreement."

Little, Christopher R., Adee, Eric A. (Agronomy), and Schapaugh Jr, William T. (Agronomy), Kansas Soybean Commission, $33,958, "Investigating SDS and Fusarium Root Rot Resistance, Preventive Seed Treatments, and Pathogen Variability in Kansas."

Little, Christopher R., Lin, Xiaomao (Agronomy), Roozeboom, Kraig L. (Agronomy), and Sassenrath, Gretchen F. (Southeast Agricultural Research Center), Kansas Soybean Commission, $13,774, "Soybean Production Systems to Control Charcoal Rot and Other Soil-borne Diseases."

Mehra, Lucky K., Cook III, David E., and Kennelly, Megan, US Department of Agriculture, $114,201, "Pathways to Plant Health through Integrated FACt-driven Research and Extension Internships."

Todd, Timothy C., Schapaugh Jr, William T. (Agronomy), and Trick, Harold N., Kansas Soybean Commission, $55,000, "Integrating Germplasm Evaluation, Genetic Engineering, Breeding and High-Throughput Phenotyping to Improve Sustainability of Soybean Production."

Trick, Harold N., Schapaugh Jr, William T. (Agronomy), and Todd, Timothy C., Kansas Soybean Commission, $25,000, "Integrating Germplasm Evaluation, Genetic Engineering, Breeding and High-Throughput Phenotyping to Improve Sustainability of Soybean Production."

SOUTHEAST AGRICULTURAL RESEARCH CENTER

Sassenrath, Gretchen F., Lin, Xiaomao (Agronomy), Little, Christopher R. (Plant Pathology), and Roozeboom, Kraig L. (Agronomy), Kansas Soybean Commission, $13,774, "Soybean Production Systems to Control Charcoal Rot and Other Soil-borne Diseases."


COLLEGE OF ARTS AND SCIENCES

BIOLOGY

Dodds, Walter K., Rice, Charles W. (Agronomy), and Zeglin, Lydia H., Kansas Board of Regents, $5,000, "RII Track-1: Microbiomes of Aquatic, Plant and Soil Systems Across Kansas."

Spooner, Brian S., Kansas State University Foundation, $47,058, "Biology Summer Graduate Fellowships."

Spooner, Brian S., Kansas State University Foundation, $6,500, "Cancer Center Research Awards."

Spooner, Brian S., Support Funds, $500, "OBO Biology Student Research Awards."

CHEMISTRY


HISTORY
Graff, David A., and Taber, Charles (Office of the Provost), Kansas State University Foundation, $24,068, "Pickett Chair."

Krysko, Michael, Kansas State University Foundation, $2,836, "Kenneth Davis Professorship."

PHYSICS
Berg, Matthew J., National Science Foundation, $187,986, "CAREER: In Situ Study of Aerosol in the Coarse Mode with Digital Holography."


Ivanov, Andrew G., National Science Foundation, $103,826, "U.S. CMS Operations at the Large Hadron Collider."


POLITICAL SCIENCE


COLLEGE OF EDUCATION

DEAN OF EDUCATION
Havlicek, Barbara J., Kansas Foundation for Agriculture in the Classroom, $60,415, "Kansas Foundation for Ag in the Classroom."

BIOLOGICAL AND AGRICULTURAL ENGINEERING

Hutchinson, Stacy L., and Derby, Melanie M. (Mechanical and Nuclear Engineering), National Science Foundation, $7,200, "EPRI: Flexible Flapping Surfaces for Water Collection and Condensation."

Sharda, Ajay, and Ciampitti, Ignacio, Deere & Company, $183,089, "Precision Planting System with Hydraulic Downforce Technology for Seed Placement Uniformity."

COMPUTER SCIENCE

Hatcliff, John M., and Robby, -, US Department of Defense, $5,000, "GUMBO: Grand Unified Modeling of Behavior Operators SBIR Phase I."


Robby, -, and Hatcliff, John M., US Department of Defense, $5,000, "GUMBO: Grand Unified Modeling of Behavior Operators SBIR Phase I."
ELECTRICAL AND COMPUTER ENGINEERING
Shadmand, Mohammad B., Qatar Foundation, $9,000, "1-MW PV Power RD&D Using SiC-based qZS Cascade Multilevel Inverter and Battery Energy Storage."

INSTITUTE FOR ENVIRONMENTAL RESEARCH

Eckels, Steven J., Support Funds, $1,394, "Thermal Properties of Textile Products."

KANSAS INDUSTRIAL EXTENSION SERVICES


MECHANICAL AND NUCLEAR ENGINEERING
Betz, Amy R., and Derby, Melanie M., National Aeronautics and Space Administration, $10,266, "Humans in Space: A Workshop for Middle School STEM Teachers."

Derby, Melanie M., and Betz, Amy R., National Aeronautics and Space Administration, $10,266, "Humans in Space: A Workshop for Middle School STEM Teachers."

Derby, Melanie M., and Hutchinson, Stacy L. (Biological and Agricultural Engineering), National Science Foundation, $40,797, "EPRI: Flexible Flapping Surfaces for Water Collection and Condensation."


Wang, Youqi, US Department of Defense, $100,000, "Real Scale Numerical Simulation of Ballistic Tests for Multi-layer Fabric Body Armor."

Wei, Mingjun, US Department of Defense, $120,000, "(YIP) A Multiscale Morphing Continuum Analysis on Energy Cascade of Compressible Turbulence."

COLLEGE OF HEALTH AND HUMAN SCIENCES

APPAREL, TEXTILES, AND INTERIOR DESIGN
Wu, Yingying, Gneiss Concepts, LLC, $1,500, "Gneiss Concepts MOA."

FOOD, NUTRITION, DIETETICS AND HEALTH
Thiele, Ryan, and Williams, Jeffrey, Mid-America Athletic Trainers' Association (MAATA), "The Effects of
Aerobic Exercise and Peristaltic Pulse Compression on Neuromuscular Performance Following Exercise-induced Muscle Damage.

**Williams, Jeffrey,** and **Thiele, Ryan,** Mid-America Athletic Trainers’ Association (MAATA), $2,000, "The Effects of Aerobic Exercise and Peristaltic Pulse Compression on Neuromuscular Performance Following Exercise-induced Muscle Damage."

**SCHOOL OF FAMILY STUDIES AND HUMAN SERVICES**

**Butler, Meredith A.**, US Department of Agriculture, $117,140, "4-H Military Partnerships and Outreach Support Program."

**Butler, Meredith A.**, US Department of Agriculture, $500,000, "CYFAR 4-H Military Partnership Professional Development and Technical Assistance Program."

**COLLEGE OF VETERINARY MEDICINE**

**ANATOMY AND PHYSIOLOGY**

**Choi, Seongo**, QuadMedicine, $26,000, "Development of Flexible Microneedle Patches for Drug Delivery Through Contoured Skin Surfaces."

**DeLong, Robert K.**, Johnson Center for Basic Cancer Research, $1,400, "Graduate Travel Award for Johnson Center for Basic Research."

**Kukanich, Stanley P.,** and **KuKanich, Katherine** (Clinical Sciences), Morris Animal Foundation, $500, "Evaluation of Feline Urine Concentrations of Amoxicillin and Clavulanate (for Kallie Woodruff - VRSP Student)."

**Kukanich, Stanley P.,** and **KuKanich, Katherine** (Clinical Sciences), Winn Feline Foundation, $2,546, "Evaluation of Feline Urine Concentrations of Amoxicillin and Clavulanate."

**Magnin, Geraldine C., Chao, Michael** (Animal Sciences and Industry), and **O'Quinn, Travis G.** (Animal Sciences and Industry), National Cattlemen's Beef Association, $2,700, "Utilizing Collagen Crosslinks as Markers for Sensory Improvement of Beef Shin/Shank Cuts."

**Yu, Jianzhong**, Kansas State University Foundation, $25,000, "KSU Cancer Center - Innovative Research Award."

**Yu, Jianzhong**, Kansas State University Foundation, $7,000, "KSU Cancer Center Summer Stipends Award."

**CLINICAL SCIENCES**

**Harkin, Kenneth R.,** and **Hetrick, Merry Caitlin** (Veterinary Health Center), MYOS RENS Technology Inc, $3,290, "Evaluation of Fortetropin on Quality of Life and Activity in Geriatric Dogs."

**KuKanich, Katherine,** and **Kukanich, Stanley P.** (Anatomy and Physiology), Morris Animal Foundation, $4,500, "Evaluation of Feline Urine Concentrations of Amoxicillin and Clavulanate (for Kallie Woodruff - VRSP Student)."

**KuKanich, Katherine,** and **Kukanich, Stanley P.** (Anatomy and Physiology), Winn Feline Foundation, $4,729, "Evaluation of Feline Urine Concentrations of Amoxicillin and Clavulanate."

**Larson, Robert L., Amrine, David E.** (Dean of Veterinary Medical Center), **Pendell, Dustin L.** (Agricultural Economics), **Weaber, Robert L.** (Animal Sciences and Industry), and **White, Bradley J.** (Dean of Veterinary Medical Center), American Angus Association, $18,000, "BCI Health Knowledge Network: Monitoring Cattle Heart Syndromes."

**DEAN OF VETERINARY MEDICAL CENTER**

**Amrine, David E., Larson, Robert L.** (Clinical Sciences), **Pendell, Dustin L.** (Agricultural Economics), **Weaber,**
Robert L., (Animal Sciences and Industry), and White, Bradley J., American Angus Association, $36,000, "BCI Health Knowledge Network: Monitoring Cattle Heart Syndromes."


White, Bradley J., Amrine, David E., Larson, Robert L. (Clinical Sciences), Pendell, Dustin L. (Agricultural Economics), and Weaber, Robert L. (Animal Sciences and Industry), American Angus Association, $30,000, "BCI Health Knowledge Network: Monitoring Cattle Heart Syndromes."


DIAGNOSTIC MEDICINE/PATHOBIOLOGY
Chang, Kyeong-Ok, and Kim, Yunjeong, US Department of Health and Human Services, $367,462, "Small Molecule Protease Inhibitors against MERS-CoV."


Dritz, Steven S., DeRouchey, Joel M. (Animal Sciences and Industry), Goodband, Robert D. (Animal Sciences and Industry), Tokach, Michael D. (Animal Sciences and Industry), and Woodworth, Jason C. (Animal Sciences and Industry), Origination Inc, $12,000, "Comparing the Effects of Different Phytase Sources on the Growth Performance and Bone Mineralization of Nursery Pigs."

Dritz, Steven S., DeRouchey, Joel M. (Animal Sciences and Industry), Goodband, Robert D. (Animal Sciences and Industry), Paulk, Chad B. (Grain Science and Industry), Stark, Charles (Grain Science and Industry), Tokach, Michael D. (Animal Sciences and Industry), and Woodworth, Jason C. (Animal Sciences and Industry), Syngenta Seeds, Inc., $24,000, "Influence of Particle Size of High Amylase and Conventional Corn on Grinding Cost, Diet Flowability, and Productivity of Lactating Sows, Nursery, and Grow-finish Pigs."

Ganta, Roman Reddy R., Saint George's University, $60,000, "Training Grant Funds Work Agreement - Postdoctoral Scholars Program (PSP) Training Grant."

Hardwidge, Philip R., and Richt, Juergen, Kansas Board of Regents, $20,000, "Laser Capture Microdissection Instrumentation for the COBRE Center of Emerging and Zoonotic Infectious Diseases (EZID)."

Kim, Yunjeong, and Chang, Kyeong-Ok, US Department of Health and Human Services, $367,462, "Small Molecule Protease Inhibitors against MERS-CoV."

Ma, Wenjun, and Richt, Juergen, US Department of Health and Human Services, $39,149, "Host Dependence of Influenza A Virus Reassortment."


Niederwerder, Megan, Purina Animal Nutrition, LLC, $146,900, "Investigating Viral Mitigation in Feed."

Richt, Juergen, and Hardwidge, Philip R., Kansas Board of Regents, $80,000, "Laser Capture Microdissection Instrumentation for the COBRE Center of Emerging and Zoonotic Infectious Diseases (EZID)."

Richt, Juergen, US Department of Agriculture, $297,330, "Evaluation of Foot-and-Mouth Disease Virus Vaccine Candidates with Broad Breadth of Protection Against Diverse Virus Strains."

Richt, Juergen, and Ma, Wenjun, US Department of Health and Human Services, $58,723, "Host Dependence of Influenza A Virus Reassortment."


Rowland, Raymond R. R., PIC USA, Inc., $25,950, "Task Order #2 - Evaluation of PDCoV Infection in ANPEP KO Pigs."

Springer, Nora L., Johnson Center for Basic Cancer Research, $8,983, "Summer Stipend Award for Brandy Kastl."

VETERINARY DIAGNOSTIC LABORATORY
Henningson, Jamie N., US Department of Agriculture, $500, "NAHLN FAD Testing."

VETERINARY HEALTH CENTER
Hetrick, Merry Caitlin, and Harkin, Kenneth R. (Clinical Sciences), MYOS RENS Technology Inc, $3,290, "Evaluation of Fortetropin on Quality of Life and Activity in Geriatric Dogs."

KANSAS COOPERATIVE EXTENSION SERVICE

AGRICULTURE AND NATURAL RESOURCES
Baldwin (Blocksome), Carolyn E., US Environmental Protection Agency, $10,000, "Kansas Flint Hills Smoke Management Plan."

Sigle, Nadine J., and Hadley, Gregg L. (Director of Cooperative Extension), Hansen Foundation, Dane G, $194,250, "2019 Community Intern Program."

DIRECTOR OF COOPERATIVE EXTENSION
Hadley, Gregg L., and Sigle, Nadine J. (Agriculture and Natural Resources), Hansen Foundation, Dane G, "2019 Community Intern Program."

Hadley, Gregg L., and Ebert, Kerri L. (Horticulture and Natural Resources), University of Minnesota, $65,000, "Kansas SARE 2019-2020 PDP Plan of Work."

Peters, Paula, and Procter, Sandra B. (Extension Family and Consumer Sciences), US Department of Agriculture, $5,792, "Kansas Food Assistance Nutrition Education Plan."

EXTENSION FAMILY AND CONSUMER SCIENCES
Procter, Sandra B., and Peters, Paula (Director of Cooperative Extension), US Department of Agriculture, $23,167, "Kansas Food Assistance Nutrition Education Plan."
NORTHEAST AREA OFFICE
Duncan, Stewart R., Ciampitti, Ignacio (Agronomy), Ruiz Diaz Suarez, Dorivar A. (Agronomy), and Sweeney, Daniel W. (Southeast Agricultural Research Center), Kansas Soybean Commission, $4,333, "Assessment of Soil Potassium Bioavailability and Improving Diagnostics Tools for K Management on Soybean in Kansas."

NORTHWEST AREA OFFICE

OFFICE OF THE PRESIDENT
VICE PRESIDENT FOR COMMUNICATIONS AND MARKETING
Nelson, Robert F., Country Stampede LLC, $22,500, "Video Production Services."

OFFICE OF THE PROVOST
INTERNATIONAL PROGRAMS
Wood, Mary, US Department of State, $135,125, "Fulbright English for Graduate Studies."

OFFICE OF THE PROVOST
Taber, Charles, and Graff, David A. (History), Kansas State University Foundation, "Pickett Chair."

VICE PRESIDENT FOR RESEARCH
OFFICE OF RESEARCH DEVELOPMENT
Marino, Mary Lou, and Montelone, Beth A., National Aeronautics and Space Administration, $21,565, "National Space Grant College and Fellowship Program (SPACE Grant) Training Grant 2015-2018."

Montelone, Beth A., and Marino, Mary Lou, National Aeronautics and Space Administration, $21,565, "National Space Grant College and Fellowship Program (SPACE Grant) Training Grant 2015-2018."

VICE PRESIDENT FOR STUDENT LIFE AND DEAN OF STUDENTS
KSU CHILD DEVELOPMENT CENTER, INC.
Mitchell, Rose M., US Department of Agriculture, $500, "Spring 2017 Kansas Local Food and Gardening Sub-Grant."