

EXTRAMURAL AWARDS

June 2019

COLLEGE OF AGRICULTURE

AGRICULTURAL ECONOMICS

Amanor-Boadu, Vincent R., Ross, Kara, Shanoyan, Aleksan, and Zereyesus, Yacob, US Department of Agriculture, \$967,813, "Monitoring, Evaluation and Analytical Support Services."

Janzen, Sarah, US Agency for International Development, \$21,736, "Designing and Evaluating Innovations for Development of Smallholder Female Livestock Cooperatives in Nepal."

Perry, Edward, US Department of Agriculture, \$66,336, "Neonicotinoid Seed Treatments in US Agriculture: Production, Welfare, and Environmental Impacts."

Ross, Kara, Amanor-Boadu, Vincent R., Shanoyan, Aleksan, and Zereyesus, Yacob, US Department of Agriculture, "Monitoring, Evaluation and Analytical Support Services."

Shanoyan, Aleksan, Amanor-Boadu, Vincent R., Ross, Kara, and Zereyesus, Yacob, US Department of Agriculture, "Monitoring, Evaluation and Analytical Support Services."

Villoria Siegert, Nelson B., US Department of Agriculture, \$152,532, "Economic Foundations of Long Run Agricultural Sustainability."

Zereyesus, Yacob, Amanor-Boadu, Vincent R., Ross, Kara, and Shanoyan, Aleksan, US Department of Agriculture, "Monitoring, Evaluation and Analytical Support Services."

AGRONOMY

SV, Krishna Jagadish, US Department of Agriculture, \$165,000, "Influence of Environment and Plant Growth on Sorghum Grain Composition and End-use Quality."

ANIMAL SCIENCES AND INDUSTRY

Amamcharla, Jayendra K., Dairy Management, Inc., \$10,766, "Understanding the Effects of Various Intrinsic and Extrinsic Factors on the Stability of Lactose-Rich Co-products."

Amamcharla, Jayendra K., National Dairy Council, \$119,680, "Development, Characterization, and Evaluation of Modified Milk Protein Concentrate with Enhanced Functional Properties."

Aramouni, Fadi M., Kansas Department of Agriculture, \$1,482,330, "Food and Feed Value Added Program Project."

DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), **Goodband, Robert D., Tokach, Michael D.**, and **Woodworth, Jason C.**, Biomin America Inc., \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), **Goodband, Robert D., Tokach, Michael D.**, and **Woodworth, Jason C.**, Kemin Industries, \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), **Goodband, Robert D., Tokach, Michael D.**, and **Woodworth, Jason C.**, NutriQuest, \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

Douthit, Teresa L., Drouillard, James S., and Lattimer, James M., Milne Fruit Products, \$1,526, "Acceptability of Horse Feeds Containing Milne Blueberry Juice Concentrate 65 Brix and Blueberry Puree Concentrate 30 Brix."

Drouillard, James S., Douthit, Teresa L., and Lattimer, James M., Milne Fruit Products, \$1,526, "Acceptability of Horse Feeds Containing Milne Blueberry Juice Concentrate 65 Brix and Blueberry Puree Concentrate 30 Brix."

Goodband, Robert D., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), **Tokach, Michael D.**, and **Woodworth, Jason C.**, Biomin America Inc., \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

Goodband, Robert D., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), **Tokach, Michael D.**, and **Woodworth, Jason C.**, Kemin Industries, \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

Goodband, Robert D., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), **Tokach, Michael D.**, and **Woodworth, Jason C.**, NutriQuest, \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

Lattimer, James M., Douthit, Teresa L., and Drouillard, James S., Milne Fruit Products, \$1,573, "Acceptability of Horse Feeds Containing Milne Blueberry Juice Concentrate 65 Brix and Blueberry Puree Concentrate 30 Brix."

Tokach, Michael D., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), **Goodband, Robert D.**, and **Woodworth, Jason C.**, Biomin America Inc., \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

Tokach, Michael D., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), **Goodband, Robert D.**, and **Woodworth, Jason C.**, Kemin Industries, \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

Tokach, Michael D., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), **Goodband, Robert D.**, and **Woodworth, Jason C.**, NutriQuest, \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

Woodworth, Jason C., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), **Goodband, Robert D.**, and **Tokach, Michael D.**, Biomin America Inc., \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

Woodworth, Jason C., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), **Goodband, Robert D.**, and **Tokach, Michael D.**, Kemin Industries, \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

Woodworth, Jason C., DeRouchey, Joel M., Dritz, Steven S. (Diagnostic Medicine/Pathobiology), **Goodband, Robert D.**, and **Tokach, Michael D.**, NutriQuest, \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

Yucel, Umut, US Department of Agriculture, \$150,000, "Functional Properties of Sorghum Biomolecules Related to Human Health Benefits."

DEAN OF AGRICULTURE AND DIRECTOR OF AES

Harvey, Jagger J., and **Lilja, Nina K.** (International Agricultural Programs), US Agency for International Development, \$55,355, "Feed the Future Innovation Lab for the Reduction of Post-Harvest Loss."

Pagadala, Venkata, and Lilja, Nina K. (International Agricultural Programs), US Agency for International Development, \$750,000, "Innovation Lab on Sustainable Intensification."

ENTOMOLOGY

Londono, Berlin L., US Department of Defense, \$21,798, "Malaria Surveillance in Endemic Regions of Colombia."

McCornack, Brian P., US Department of Agriculture, \$50,000, "Areawide Pest Management of the Invasive Sugarcane Aphid in Grain Sorghum."

Michaud, John P., US Department of Agriculture, \$23,000, "Areawide Pest Management of the Invasive Sugarcane Aphid in Grain Sorghum - Kansas, Sugarcane Aphid Monitoring and Biocontrol."

Smith, C. Michael, US Department of Agriculture, \$108,284, "Principles Underlying the Spread of Sorghum Halepense, Toward its Containment and Mitigation."

Zhu, Kun Yan, US Department of Agriculture, \$46,475, "Acquisition of Goods and Services."

Zolnerowich, Gregory, and Zukoff, Sarah N. (Southwest Research Extension Center), Kansas Department of Wildlife and Parks, \$2,500, "Proposal for a Statewide Survey of Bumble Bees (Hymenoptera, Apidae Bombus) Occurring in Kanas."

GRAIN SCIENCE AND INDUSTRY

Aldrich, Greg, and Dhakal, Janak, Fats and Proteins Research Foundation, Inc., \$25,120, "The Effect of Chemical Treatments to Control Salmonella Species in Rendered Animal Fats and Oils and Determination of Survival Kinetics of Salmonella in Fats Differing in Level of Unsaturation."

Campabadal Teran, Carlos, and Thiele, Shawn M., US Soybean Export Council, Inc., \$61,200, "Addendum to Independent Contractor Master Agreement: 19KA08F54B."

Dhakal, Janak, and Aldrich, Greg, Fats and Proteins Research Foundation, Inc., \$25,120, "The Effect of Chemical Treatments to Control Salmonella Species in Rendered Animal Fats and Oils and Determination of Survival Kinetics of Salmonella in Fats Differing in Level of Unsaturation."

Li, Yonghui, Ukko Inc., \$35,117, "Project 1 - Identify Minimal Amounts of Gliadin, HMW and LMW Glutenin Needed for Bread Quality Dough."

Thiele, Shawn M., and Campabadal Teran, Carlos, US Soybean Export Council, Inc., \$6,800, "Addendum to Independent Contractor Master Agreement: 19KA08F54B."

INTERNATIONAL AGRICULTURAL PROGRAMS

Lilja, Nina K., and Harvey, Jagger J. (Dean of Agriculture and Director of AES), US Agency for International Development, "Feed the Future Innovation Lab for the Reduction of Post-Harvest Loss."

Lilja, Nina K., and Pagadala, Venkata (Dean of Agriculture and Director of AES), US Agency for International Development, "Innovation Lab on Sustainable Intensification."

PLANT PATHOLOGY

Kennelly, Megan, US Department of Agriculture, \$44,220, "Acquisition of Goods and Services."

SOUTHWEST RESEARCH EXTENSION CENTER

Zukoff, Sarah N., and Zolnerowich, Gregory (Entomology), Kansas Department of Wildlife and Parks, \$7,500, "Proposal for a Statewide Survey of Bumble Bees (Hymenoptera, Apidae Bombus) Occurring in Kanas."

COLLEGE OF ARTS AND SCIENCES

BIOCHEMISTRY

Geisbrecht, Brian V., and **Li, Ping** (Chemistry), US Department of Health and Human Services, \$20,596, "Molecular Study of PHA Biosynthesis: Production of Biodegradable Polymers for Medical Applications."

Zolkiewski, Michal, US Department of Health and Human Services, \$514,035, "Discovery of Hsp100-selective Inhibitors for Targeting Multiple Microbial Pathogens."

BIOLOGY

Govind, Revathi, US Department of Health and Human Services, \$76,000, "Regulatory Mechanisms Controlling TcdE Production in Clostridium Difficile."

Haukos, David A., US Department of Defense, \$155,441, "Response of Greater Prairie-Chickens to Natural and Anthropogenic Disturbance on Fort Riley."

Platt, Thomas G., National Science Foundation, \$141,996, "Prevalence and Co-occurrence of Pathogenic and Cheater Agrobacteria on Healthy and Crown Gall Disease Infected Sunflowers."

CHEMISTRY

Bossmann, Stefan, and **Sorensen, Christopher M.** (Physics), Carbon-2D Graphene Inc., \$252,068, "Advanced Graphene Research."

Bossmann, Stefan, , (Psychological Sciences), **Andresen, Daniel A.** (Computer Science), **Bailey, Heather R.** (Psychological Sciences), **Cain, Mary E.** (Psychological Sciences), **Kirkpatrick, Kimberly** (Psychological Sciences), **Loschky, Lester C.** (Psychological Sciences), **Pickens II, Charles** (Psychological Sciences), and **Zakrzewski, Alexandria** (Psychological Sciences), US Department of Health and Human Services, \$41,326, "Cognitive and Neurobiological Approaches to Plasticity (C-NAP)."

Li, Ping, and **Geisbrecht, Brian V.** (Biochemistry), US Department of Health and Human Services, \$100,555, "Molecular Study of PHA Biosynthesis: Production of Biodegradable Polymers for Medical Applications."

GEOLOGY

Datta, Saugata, National Science Foundation, \$293,482, "Collaborative Research: The Dynamic Iron Curtain Surrounding Fluctuating Rivers and its Impacts on Arsenic Fate and Transport."

PHYSICS

Ben-Itzhak, Itzhak, and **Esry, Brett D.**, US Department of Energy, "Structure and Dynamics of Atoms. Ions, Molecules, and Surfaces."

Chakrabarti, Amitabha, and **Sorensen, Christopher M.**, National Science Foundation, \$41,463, "Studies of Light Scattering by Particles of Arbitrary Shape."

Esry, Brett D., and **Ben-Itzhak, Itzhak**, US Department of Energy, \$2,650,000, "Structure and Dynamics of Atoms. Ions, Molecules, and Surfaces."

Flanders, Bret N., and **Greenman, Loren**, National Science Foundation, \$87,091, "REU Site: Physics at Kansas State University - Interactions of Matter, Light and Learning."

Greenman, Loren, and **Flanders, Bret N.**, National Science Foundation, \$58,061, "REU Site: Physics at Kansas State University - Interactions of Matter, Light and Learning."

Sorensen, Christopher M., and Bossmann, Stefan (Chemistry), Carbon-2D Graphene Inc., \$511,774, "Advanced Graphene Research."

Sorensen, Christopher M., and Chakrabarti, Amitabha, National Science Foundation, \$96,747, "Studies of Light Scattering by Particles of Arbitrary Shape."

PSYCHOLOGICAL SCIENCES

Bailey, Heather R., , Andresen, Daniel A. (Computer Science), **Bossmann, Stefan** (Chemistry), **Cain, Mary E., Kirkpatrick, Kimberly, Loschky, Lester C., Pickens II, Charles, and Zakrzewski, Alexandria**, US Department of Health and Human Services, \$392,594, "Cognitive and Neurobiological Approaches to Plasticity (C-NAP)."

Cain, Mary E., , Andresen, Daniel A. (Computer Science), **Bailey, Heather R., Bossmann, Stefan** (Chemistry), **Kirkpatrick, Kimberly, Loschky, Lester C., Pickens II, Charles, and Zakrzewski, Alexandria**, US Department of Health and Human Services, \$392,594, "Cognitive and Neurobiological Approaches to Plasticity (C-NAP)."

Kirkpatrick, Kimberly, , Andresen, Daniel A. (Computer Science), **Bailey, Heather R., Bossmann, Stefan** (Chemistry), **Cain, Mary E., Loschky, Lester C., Pickens II, Charles, and Zakrzewski, Alexandria**, US Department of Health and Human Services, \$309,942, "Cognitive and Neurobiological Approaches to Plasticity (C-NAP)."

Loschky, Lester C., , Andresen, Daniel A. (Computer Science), **Bailey, Heather R., Bossmann, Stefan** (Chemistry), **Cain, Mary E., Kirkpatrick, Kimberly, Pickens II, Charles, and Zakrzewski, Alexandria**, US Department of Health and Human Services, \$123,977, "Cognitive and Neurobiological Approaches to Plasticity (C-NAP)."

Pickens II, Charles, , Andresen, Daniel A. (Computer Science), **Bailey, Heather R., Bossmann, Stefan** (Chemistry), **Cain, Mary E., Kirkpatrick, Kimberly, Loschky, Lester C., and Zakrzewski, Alexandria**, US Department of Health and Human Services, \$392,594, "Cognitive and Neurobiological Approaches to Plasticity (C-NAP)."

Zakrzewski, Alexandria, , Andresen, Daniel A. (Computer Science), **Bailey, Heather R., Bossmann, Stefan** (Chemistry), **Cain, Mary E., Kirkpatrick, Kimberly, Loschky, Lester C., and Pickens II, Charles**, US Department of Health and Human Services, \$268,617, "Cognitive and Neurobiological Approaches to Plasticity (C-NAP)."

SCHOOL OF JOURNALISM AND MASS COMMUNICATIONS

Wolgast, Stephen L., Collegian Media Group, \$55,435, "Student Publications Positions."

SOCIOLOGY, ANTHROPOLOGY, AND SOCIAL WORK

Ritterbush, Lauren W., US Department of Defense, \$247,943, "Intergovernmental Support Agreement for Archeological Surveys and Evaluations with Kansas State University."

COLLEGE OF ENGINEERING

COMPUTER SCIENCE

Andresen, Daniel A., , (Psychological Sciences), **Bailey, Heather R.** (Psychological Sciences), **Bossmann, Stefan** (Chemistry), **Cain, Mary E.** (Psychological Sciences), **Kirkpatrick, Kimberly** (Psychological Sciences), **Loschky, Lester C.** (Psychological Sciences), **Pickens II, Charles** (Psychological Sciences), and **Zakrzewski, Alexandria** (Psychological Sciences), US Department of Health and Human Services, \$82,651, "Cognitive and Neurobiological Approaches to Plasticity (C-NAP)."

Hsu, William H., US Department of Energy, \$30,000, "Machine Learning of Filters for Magnetometer-based Navigation."

Reif, Kathryn E., and KuKanich, Katherine (Clinical Sciences), Foundation for Food and Agriculture Research, \$2,400, "Veterinary Student Research Fellowship for Summer of 2019."

COLLEGE OF HEALTH AND HUMAN SCIENCES

DEAN OF HUMAN ECOLOGY

Buckwalter, John, Cortez, Anita R. (Vice Provost for Undergraduate Studies), and **Rosenkranz, Sara** (Food, Nutrition, Dietetics and Health), US Department of Health and Human Services, \$26,668, "Kansas Bridges to the Future."

FOOD, NUTRITION, DIETETICS AND HEALTH

Rosenkranz, Sara, Buckwalter, John (Dean of Human Ecology), and **Cortez, Anita R.** (Vice Provost for Undergraduate Studies), US Department of Health and Human Services, \$213,346, "Kansas Bridges to the Future."

KINESIOLOGY

Besenyi, Gina M., Heinrich, Katie M., and Kliewer, Brandon W. (School of Leadership Studies), Engagement Scholarship Consortium, \$1,040, "Manhattan, Kansas Bike-Ped Systems Plan Public Engagement Project."

Heinrich, Katie M., Besenyi, Gina M., and Kliewer, Brandon W. (School of Leadership Studies), Engagement Scholarship Consortium, \$1,040, "Manhattan, Kansas Bike-Ped Systems Plan Public Engagement Project."

SCHOOL OF FAMILY STUDIES AND HUMAN SERVICES

Jager, Shanna K., US Department of Health and Human Services, \$17,472, "Technical Support for the Department for Children and Families Strategic Development, Faith-Based and Community Initiative."

Kiss, D. Elizabeth, US Department of Agriculture, \$5,000, "Integrating and Sustaining Financial Capability Services in Rural Healthcare Delivery."

COLLEGE OF VETERINARY MEDICINE

ANATOMY AND PHYSIOLOGY

Coetzee, Johann F., Kleinhenz, Michael D. (Clinical Sciences), **Lin, Zhoumeng,** and **Magnin, Geraldine C.,** American Association of Swine Veterinarians Foundation, \$2,575, "Investigating the Plasma Pharmacokinetics and Tissue Residues of Oral Firocoxib Following Transmammary Delivery from SOWS to Piglets."

Lin, Zhoumeng, Coetzee, Johann F., Kleinhenz, Michael D. (Clinical Sciences), and **Magnin, Geraldine C.,** American Association of Swine Veterinarians Foundation, \$2,575, "Investigating the Plasma Pharmacokinetics and Tissue Residues of Oral Firocoxib Following Transmammary Delivery from SOWS to Piglets."

Magnin, Geraldine C., Coetzee, Johann F., Kleinhenz, Michael D. (Clinical Sciences), and **Lin, Zhoumeng,** American Association of Swine Veterinarians Foundation, \$2,575, "Investigating the Plasma Pharmacokinetics and Tissue Residues of Oral Firocoxib Following Transmammary Delivery from SOWS to Piglets."

Xiong, Yulan, Parkinson's Disease Foundation, \$100,000, "Understanding LRRK2 GTPase Function in Parkinson's Disease."

CLINICAL SCIENCES

Eshar, David, Herrin, Brian (Diagnostic Medicine/Pathobiology), **Schneider, Sarah M.** (Veterinary Diagnostic Laboratory), and **Schwartz, Diana** (Veterinary Diagnostic Laboratory), National Center for Veterinary Parasitology, \$2,974, "Detection of Trypanosoma Cruzi in Triatominae Insects and Raccoons in Kansas."

Kleinhenz, Michael D., Coetzee, Johann F. (Anatomy and Physiology), **Lin, Zhoumeng** (Anatomy and Physiology), and **Magnin, Geraldine C.** (Anatomy and Physiology), American Association of Swine Veterinarians Foundation, \$2,575, "Investigating the Plasma Pharmacokinetics and Tissue Residues of Oral Firocoxib Following Transmammary Delivery from SOWS to Piglets."

KuKanich, Katherine, and **Reif, Kathryn E.** (Computer Science), Foundation for Food and Agriculture Research, \$1,600, "Veterinary Student Research Fellowship for Summer of 2019."

DEAN OF VETERINARY MEDICAL CENTER

Thomson, Daniel U., Nagaraja, Tiruvoor G. (Diagnostic Medicine/Pathobiology), and **Volkova, Victoriya** (Diagnostic Medicine/Pathobiology), US Department of Agriculture, \$50,000, "Bacteriophage Use to Prevent Liver Abscess Caused by Fusobacterium Necrophorum: Proof of Concept Studies."

DIAGNOSTIC MEDICINE/PATHOBIOLOGY

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), Biomin America Inc., \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

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), Kemin Industries, \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

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), NutriQuest, \$2,000, "Efficacy of Commercial FUM Detoxifying Products on Phase Three Nursery Pigs Fed High FUM Diet."

Herrin, Brian, Eshar, David (Clinical Sciences), **Schneider, Sarah M.** (Veterinary Diagnostic Laboratory), and **Schwartz, Diana** (Veterinary Diagnostic Laboratory), National Center for Veterinary Parasitology, \$5,948, "Detection of Trypanosoma Cruzi in Triatominae Insects and Raccoons in Kansas."

Morozov, Igor, and **Richt, Juergen,** Farmak International Holding GmbH, \$64,231, "Research Task Order - Proposed Studies in Chickens to Establish Influenza A Challenge Animal Model for Efficacy Evaluation of Farmak's Antiviral Compound Amizon."

Nagaraja, Tiruvoor G., Thomson, Daniel U. (Dean of Veterinary Medical Center), and **Volkova, Victoriya,** US Department of Agriculture, \$50,000, "Bacteriophage Use to Prevent Liver Abscess Caused by Fusobacterium Necrophorum: Proof of Concept Studies."

Nguyen, Thu A., Boehringer Ingelheim, \$20,000, "2019 Boehringer Ingelheim Veterinary Scholars Program."

Niederwerder, Megan, and **Rowland, Raymond R. R.,** Kemin Industries, \$106,250, "Understanding the Survivability and Infectivity of African Swine Fever Virus In Various Environments."

Niederwerder, Megan, and **Rowland, Raymond R. R.,** Purina Animal Nutrition, LLC, \$106,250, "Understanding the Survivability and Infectivity of African Swine Fever Virus in Various Environments."

Richt, Juergen, and **Morozov, Igor,** Farmak International Holding GmbH, \$96,346, "Research Task Order - Proposed Studies in Chickens to Establish Influenza A Challenge Animal Model for Efficacy Evaluation of Farmak's Antiviral Compound Amizon."

Rowland, Raymond R. R., and Niederwerder, Megan, Kemin Industries, \$18,750, "Understanding the Survivability and Infectivity of African Swine Fever Virus In Various Environments."

Rowland, Raymond R. R., PIC USA, Inc., \$60,652, "Task Order 3 - PRRSV Challenge of CD163 Modified and WT Pigs."

Rowland, Raymond R. R., and Niederwerder, Megan, Purina Animal Nutrition, LLC, \$18,750, "Understanding the Survivability and Infectivity of African Swine Fever Virus in Various Environments."

Volkova, Victoriya, Nagaraja, Tiruvoo G., and Thomson, Daniel U. (Dean of Veterinary Medical Center), US Department of Agriculture, \$100,000, "Bacteriophage Use to Prevent Liver Abscess Caused by Fusobacterium Necrophorum: Proof of Concept Studies."

VETERINARY DIAGNOSTIC LABORATORY

Henningson, Jamie N., US Department of Agriculture, \$2,000, "NAHLN CSF and ASF Testing."

Schneider, Sarah M., Eshar, David (Clinical Sciences), **Herrin, Brian** (Diagnostic Medicine/Pathobiology), and **Schwartz, Diana**, National Center for Veterinary Parasitology, \$2,974, "Detection of Trypanosoma Cruzi in Triatominae Insects and Raccoons in Kansas."

Schwartz, Diana, Eshar, David (Clinical Sciences), **Herrin, Brian** (Diagnostic Medicine/Pathobiology), and **Schneider, Sarah M.**, National Center for Veterinary Parasitology, \$2,974, "Detection of Trypanosoma Cruzi in Triatominae Insects and Raccoons in Kansas."

KANSAS COOPERATIVE EXTENSION SERVICE

AGRICULTURE AND NATURAL RESOURCES

Hadley, Gregg L., and Rice, Trudy M., Hansen Foundation, Dane G, \$175,000, "Leading Locally - Working Together for Lasting Solutions."

Rice, Trudy M., and Hadley, Gregg L., Hansen Foundation, Dane G, "Leading Locally - Working Together for Lasting Solutions."

FOUR-H YOUTH DEVELOPMENT

Potter, Shane A., and Ratliff, Dona S., National 4-H Council, \$7,140, "2019 Kansas 4-H Commodity Carnival."

Ratliff, Dona S., and Potter, Shane A., National 4-H Council, \$4,760, "2019 Kansas 4-H Commodity Carnival."

KANSAS FOREST SERVICE

Atchison, Robert L., US Department of Agriculture, \$93,880, "High Resolution Land Cover and Wind Break Assessment Products of Kansas."

Biles, Larry E., US Department of Agriculture, \$50,000, "Identifying New Market Opportunities and Enhanced Carbon Sequestration through Wood-based Economic Resilience and Forest Management Practices."

SOUTHWEST AREA OFFICE

Aguilar, Jonathan P., Kansas Corn Commission, \$15,000, "Towards Better Understanding of Irrigation Management in Water technology Farms."

Aguilar, Jonathan P., Kansas Water Office, \$10,000, "Design and Monitoring of Water Technology Farms."

K-STATE POLYTECHNIC CAMPUS

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Barnhart, Richard K., Powers & Zahr Consortium Management Co LLC, \$25,000, "B-52 Commercial Engine Replacement Program (CERP) Integration Study - Phase 1."

OFFICE OF THE PRESIDENT

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Myers, Richard B., State of Kansas, \$5,000,000, "National Bio and Agro-Defense Facility."

OFFICE OF THE PROVOST

OFFICE OF THE PROVOST

Taber, Charles, Kansas State University Foundation, \$5,000, "Spainhour Faculty Chair for KAWSE."

SCHOOL OF LEADERSHIP STUDIES

Kliwer, Brandon W., **Besenyi, Gina M.** (Kinesiology), and **Heinrich, Katie M.** (Kinesiology), Engagement Scholarship Consortium, \$2,080, "Manhattan, Kansas Bike-Ped Systems Plan Public Engagement Project."

VICE PROVOST FOR UNDERGRADUATE STUDIES

Cortez, Anita R., **Buckwalter, John** (Dean of Human Ecology), and **Rosenkranz, Sara** (Food, Nutrition, Dietetics and Health), US Department of Health and Human Services, \$26,668, "Kansas Bridges to the Future."

VICE PRESIDENT FOR RESEARCH

RESEARCH VICE PRESIDENT

Dorhout, Peter K., State of Kansas, \$970,000, "Global Foods System."

VICE PRESIDENT FOR STUDENT LIFE AND DEAN OF STUDENTS

EDUCATIONAL AND PERSONAL DEVELOPMENT

Booker, Monshonda, National Science Foundation, \$3,500, "Teaching Through Technology (T3) Alliance."

Booker, Monshonda, US Department of Education, \$287,537, "Kansas State University - Salina Upward Bound."

VICE PRESIDENT FOR STUDENT LIFE AND DEAN OF STUDENTS

Bosco, Pat J., Kauffman Scholars, Inc., \$8,990, "IEP Kauffman Scholars Program - ISP."

DeGroat, Arthur S., Kansas State University Foundation, \$15,708, "Kansas Masons Partnership in Military and Veterans Affairs."