

EXTRAMURAL AWARDS

January 2019

COLLEGE OF AGRICULTURE

AGRICULTURAL ECONOMICS

Golden, Bill B., Aguilar, Jonathan P. (Southwest Area Office), **Aiken, Robert M.** (Northwest Research Extension Center), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrce & the Env / Ks Water Rsrce Rsrch Inst), **Holman, Johnathon D.** (Southwest Research Extension Center), **Jaeger, John R.** (Agricultural Research Center-Hays), **Johnson, Sandra K.** (Northwest Area Office), **Kulesza, Stacey E.** (Civil Engineering), **Lamm, Freddie R.** (Northwest Research Extension Center), **Lin, Xiaomao** (Agronomy), **Obour, Augustine K.** (Agricultural Research Center-Hays), **O'Brien, Daniel M.** (Northwest Area Office), **Rogers, Danny H.** (Biological and Agricultural Engineering), **Schlegel, Alan J.** (Southwest Research Extension Center), and **Vandever, Monte L.** (Southwest Area Office), US Department of Agriculture, \$10,200, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

Tack, Jesse B., US Department of Agriculture, \$57,324, "New Policy Implications of 'Big Ag Data'."

AGRICULTURAL RESEARCH CENTER-HAYS

Jaeger, John R., Aguilar, Jonathan P. (Southwest Area Office), **Aiken, Robert M.** (Northwest Research Extension Center), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrce & the Env / Ks Water Rsrce Rsrch Inst), **Golden, Bill B.** (Agricultural Economics), **Holman, Johnathon D.** (Southwest Research Extension Center), **Johnson, Sandra K.** (Northwest Area Office), **Kulesza, Stacey E.** (Civil Engineering), **Lamm, Freddie R.** (Northwest Research Extension Center), **Lin, Xiaomao** (Agronomy), **Obour, Augustine K., O'Brien, Daniel M.** (Northwest Area Office), **Rogers, Danny H.** (Biological and Agricultural Engineering), **Schlegel, Alan J.** (Southwest Research Extension Center), and **Vandever, Monte L.** (Southwest Area Office), US Department of Agriculture, \$850, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

Obour, Augustine K., Aguilar, Jonathan P. (Southwest Area Office), **Aiken, Robert M.** (Northwest Research Extension Center), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrce & the Env / Ks Water Rsrce Rsrch Inst), **Golden, Bill B.** (Agricultural Economics), **Holman, Johnathon D.** (Southwest Research Extension Center), **Jaeger, John R., Johnson, Sandra K.** (Northwest Area Office), **Kulesza, Stacey E.** (Civil Engineering), **Lamm, Freddie R.** (Northwest Research Extension Center), **Lin, Xiaomao** (Agronomy), **O'Brien, Daniel M.** (Northwest Area Office), **Rogers, Danny H.** (Biological and Agricultural Engineering), **Schlegel, Alan J.** (Southwest Research Extension Center), and **Vandever, Monte L.** (Southwest Area Office), US Department of Agriculture, \$6,800, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

AGRONOMY

Fritz, Allan K., Pioneer Hi-Bred International, Inc., \$25,470, "Hybrid Wheat Seed Production Agreement."

Lin, Xiaomao, Aguilar, Jonathan P. (Southwest Area Office), **Aiken, Robert M.** (Northwest Research Extension Center), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrce & the Env / Ks Water Rsrce Rsrch Inst), **Golden, Bill B.** (Agricultural Economics), **Holman, Johnathon D.** (Southwest Research Extension Center), **Jaeger, John R.** (Agricultural Research Center-Hays), **Johnson, Sandra K.** (Northwest Area Office), **Kulesza, Stacey E.** (Civil Engineering), **Lamm, Freddie R.** (Northwest Research Extension Center), **Obour, Augustine K.** (Agricultural Research Center-Hays), **O'Brien, Daniel M.** (Northwest Area Office), **Rogers, Danny H.** (Biological and Agricultural Engineering), **Schlegel, Alan J.** (Southwest Research Extension Center), and **Vandever, Monte L.** (Southwest Area Office), US Department of Agriculture, \$5,100, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

Peterson, Dallas E., Support Funds, \$65,050, "AGR Support Funds Public Service 35."

Rice, Charles W., Dodds, Walter K. (Biology), and **Zeglin, Lydia H.** (Biology), Kansas Board of Regents, \$5,460, "RII Track-1: Microbiomes of Aquatic, Plant and Soil Systems Across Kansas."

Rice, Charles W., Dodds, Walter K. (Biology), and **Zeglin, Lydia H.** (Biology), National Science Foundation, \$146,092, "RII Track-1: Microbiomes of Aquatic, Plant and Soil Systems (MAPS) Mediating Sustainability: An Observational and Experimental Network Across Kansas."

Schapaugh Jr, William T., North Central Soybean Research Program, \$19,540, "Increasing the Rate of Genetic Gain for Yield in Soybean Breeding Programs."

ANIMAL SCIENCES AND INDUSTRY

Amamcharla, Jayendra K., Dairy Management, Inc., \$5,691, "Altering the Microstructure to Improve Functionality of Dairy Powders using Micro- and Nano-bubbles."

Amamcharla, Jayendra K., Utah State University, \$76,800, "Optimization and Characterization of Dairy-based Agglomerated Protein Products Using Whey Protein Hydrolysates as a Binding Agent."

Gragg, Sara E., Nwadike, Londa S. (Director of Cooperative Extension), and **Vipham, Jessie** (Dean of Agriculture and Director of AES), US Department of Agriculture, \$44,857, "Capacity Building and Development for Food Safety in Bangladesh: Creative Approaches to Train-the-Trainer Programs for Hazard Analysis Critical Control Points (HACCP)."

Gragg, Sara E., Nwadike, Londa S. (Director of Cooperative Extension), and **Rivard, Cary L.** (Horticulture and Natural Resources), US Department of Agriculture, \$900, "Continued Successful Implementation of FSMA in the North Central Region through Adoption of a Systems Approach and Stakeholder Engagement."

Lattimer, James M., Paulk, Chad B. (Grain Science and Industry), and **Stark, Charles** (Grain Science and Industry), Milne Fruit Products, \$1,291, "Milne Fruit Blueberry Pellet."

Lee, Charles D., Kansas Department of Wildlife and Parks, \$5,303, "Extension Education Position Support."

Smith, J. Scott, Trinetta, Valentina, and **Yucel, Umut**, US Department of Health and Human Services, \$4,308, "Development of Validation of Analytical and Physical Testing Methods to Evaluate the Irradiation History of Animal Feeds."

Trinetta, Valentina, Smith, J. Scott, and **Yucel, Umut**, US Department of Health and Human Services, \$1,436, "Development of Validation of Analytical and Physical Testing Methods to Evaluate the Irradiation History of Animal Feeds."

Yucel, Umut, Smith, J. Scott, and **Trinetta, Valentina**, US Department of Health and Human Services, \$8,617, "Development of Validation of Analytical and Physical Testing Methods to Evaluate the Irradiation History of Animal Feeds."

DEAN OF AGRICULTURE AND DIRECTOR OF AES

Pagadala, Venkata, and **Stewart, Zachary P.**, International Fertilizer Development Center, \$21,998, "Sustainable Opportunities for Improving Livelihoods with Soil (SOILS) Consortium."

Pagadala, Venkata, and **Reyes, Manuel R.**, US Agency for International Development, "Scaling Up Drip Irrigation, Conservation Agriculture and Rainwater Harvesting for Commercial Vegetable Home Gardens to Specially Benefit Women and Youth."

Reyes, Manuel R., and **Pagadala, Venkata**, US Agency for International Development, \$138,940, "Scaling Up Drip Irrigation, Conservation Agriculture and Rainwater Harvesting for Commercial Vegetable Home Gardens to Specially Benefit Women and Youth."

Stewart, Zachary P., and Pagadala, Venkata, International Fertilizer Development Center, \$197,980, "Sustainable Opportunities for Improving Livelihoods with Soil (SOILS) Consortium."

Vipham, Jessie, Bill and Melinda Gates Foundation, \$140,935, "Ensuring the Safety and Quality of Milk and Dairy Products Across the Dairy Value Chain in Ethiopia."

Vipham, Jessie, Gragg, Sara E. (Animal Sciences and Industry), and **Nwadike, Londa S.** (Director of Cooperative Extension), US Department of Agriculture, \$59,810, "Capacity Building and Development for Food Safety in Bangladesh: Creative Approaches to Train-the-Trainer Programs for Hazard Analysis Critical Control Points (HACCP)."

ENTOMOLOGY

Ruberson, John R., Support Funds, \$6,000, "AEN Support Funds Research 50."

GRAIN SCIENCE AND INDUSTRY

Aldrich, Greg, Kerry Inc., \$109,093, "Evaluation of Formulation and Processing on *Bacillus Coagulans* GBI-30, 6086 (GanedenBC30®) Survivability, and Impacts on Microbial Fermentation and Nutrient Digestibility in Dogs."

Blodgett, Paul E., and **Smith, Gordon L.**, General Mills, Inc., \$3,836, "Project Charge - Service Task Order #1."

Paulk, Chad B., Lattimer, James M. (Animal Sciences and Industry), and **Stark, Charles**, Milne Fruit Products, \$1,291, "Milne Fruit Blueberry Pellet."

Smith, Gordon L., and **Blodgett, Paul E.**, General Mills, Inc., \$34,523, "Project Charge - Service Task Order #1."

Stark, Charles, Lattimer, James M. (Animal Sciences and Industry), and **Paulk, Chad B.**, Milne Fruit Products, \$1,330, "Milne Fruit Blueberry Pellet."

HORTICULTURE AND NATURAL RESOURCES

Cowan, Jeremy S., US Department of Agriculture, \$17,384, "Performance and Adoptability of Biodegradable Plastic Mulch for Sustainable Specialty Crop Production."

Park, Sunghun, Heartland Plant Innovations, Inc., \$10,000, "Establishing a High-throughput Sorghum Transformation Program."

Rivard, Cary L., Gragg, Sara E. (Animal Sciences and Industry), and **Nwadike, Londa S.** (Director of Cooperative Extension), US Department of Agriculture, \$1,800, "Continued Successful Implementation of FSMA in the North Central Region through Adoption of a Systems Approach and Stakeholder Engagement."

KS CTR FOR AG RSRCES & THE ENV / KS WATER RSRCE RSRCH INST

Devlin, Daniel L., Aguilar, Jonathan P. (Southwest Area Office), **Aiken, Robert M.** (Northwest Research Extension Center), **Golden, Bill B.** (Agricultural Economics), **Holman, Johnathon D.** (Southwest Research Extension Center), **Jaeger, John R.** (Agricultural Research Center-Hays), **Johnson, Sandra K.** (Northwest Area Office), **Kulesza, Stacey E.** (Civil Engineering), **Lamm, Freddie R.** (Northwest Research Extension Center), **Lin, Xiaomao** (Agronomy), **Obour, Augustine K.** (Agricultural Research Center-Hays), **O'Brien, Daniel M.** (Northwest Area Office), **Rogers, Danny H.** (Biological and Agricultural Engineering), **Schlegel, Alan J.** (Southwest Research Extension Center), and **Vandever, Monte L.** (Southwest Area Office), US Department of Agriculture, \$11,050, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

NORTHWEST RESEARCH EXTENSION CENTER

Aiken, Robert M., Aguilar, Jonathan P. (Southwest Area Office), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), **Golden, Bill B.** (Agricultural Economics), **Holman, Johnathon D.** (Southwest Research Extension Center), **Jaeger, John R.** (Agricultural Research Center-Hays), **Johnson, Sandra K.**

(Northwest Area Office), **Kulesza, Stacey E.** (Civil Engineering), **Lamm, Freddie R.**, **Lin, Xiaomao** (Agronomy), **Obour, Augustine K.** (Agricultural Research Center-Hays), **O'Brien, Daniel M.** (Northwest Area Office), **Rogers, Danny H.** (Biological and Agricultural Engineering), **Schlegel, Alan J.** (Southwest Research Extension Center), and **Vandever, Monte L.** (Southwest Area Office), US Department of Agriculture, \$5,100, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

Lamm, Freddie R., **Aguilar, Jonathan P.** (Southwest Area Office), **Aiken, Robert M.**, **Devlin, Daniel L.** (Ks Ctr for Ag Rsrcs & the Env / Ks Water Rsrce Rsrch Inst), **Golden, Bill B.** (Agricultural Economics), **Holman, Johnathon D.** (Southwest Research Extension Center), **Jaeger, John R.** (Agricultural Research Center-Hays), **Johnson, Sandra K.** (Northwest Area Office), **Kulesza, Stacey E.** (Civil Engineering), **Lin, Xiaomao** (Agronomy), **Obour, Augustine K.** (Agricultural Research Center-Hays), **O'Brien, Daniel M.** (Northwest Area Office), **Rogers, Danny H.** (Biological and Agricultural Engineering), **Schlegel, Alan J.** (Southwest Research Extension Center), and **Vandever, Monte L.** (Southwest Area Office), US Department of Agriculture, \$9,350, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

PLANT BIOTECHNOLOGY CENTER

Akhunova, Alina, and **Akhunov, Eduard D.** (Plant Pathology), US Department of Agriculture, \$58,000, "Validation, Characterization, and Deployment of QTL for Grain Yield Components in Wheat."

PLANT PATHOLOGY

Akhunov, Eduard D., and **Akhunova, Alina** (Plant Biotechnology Center), US Department of Agriculture, \$142,000, "Validation, Characterization, and Deployment of QTL for Grain Yield Components in Wheat."

Crain, Jared L., and **Poland, Jesse A.**, US Department of Agriculture, \$150,000, "BTT EAGER: Unified Big Data in Genomics and Phenomics for Plant Breeding."

Poland, Jesse A., Bill and Melinda Gates Foundation, \$243,272, "Delivering Genetic Gain in Wheat."

Poland, Jesse A., and **Crain, Jared L.**, US Department of Agriculture, \$150,000, "BTT EAGER: Unified Big Data in Genomics and Phenomics for Plant Breeding."

SOUTHWEST RESEARCH EXTENSION CENTER

Holman, Johnathon D., **Aguilar, Jonathan P.** (Southwest Area Office), **Aiken, Robert M.** (Northwest Research Extension Center), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrcs & the Env / Ks Water Rsrce Rsrch Inst), **Golden, Bill B.** (Agricultural Economics), **Jaeger, John R.** (Agricultural Research Center-Hays), **Johnson, Sandra K.** (Northwest Area Office), **Kulesza, Stacey E.** (Civil Engineering), **Lamm, Freddie R.** (Northwest Research Extension Center), **Lin, Xiaomao** (Agronomy), **Obour, Augustine K.** (Agricultural Research Center-Hays), **O'Brien, Daniel M.** (Northwest Area Office), **Rogers, Danny H.** (Biological and Agricultural Engineering), **Schlegel, Alan J.**, and **Vandever, Monte L.** (Southwest Area Office), US Department of Agriculture, \$4,250, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

Schlegel, Alan J., **Aguilar, Jonathan P.** (Southwest Area Office), **Aiken, Robert M.** (Northwest Research Extension Center), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrcs & the Env / Ks Water Rsrce Rsrch Inst), **Golden, Bill B.** (Agricultural Economics), **Holman, Johnathon D.**, **Jaeger, John R.** (Agricultural Research Center-Hays), **Johnson, Sandra K.** (Northwest Area Office), **Kulesza, Stacey E.** (Civil Engineering), **Lamm, Freddie R.** (Northwest Research Extension Center), **Lin, Xiaomao** (Agronomy), **Obour, Augustine K.** (Agricultural Research Center-Hays), **O'Brien, Daniel M.** (Northwest Area Office), **Rogers, Danny H.** (Biological and Agricultural Engineering), and **Vandever, Monte L.** (Southwest Area Office), US Department of Agriculture, \$3,400, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

COLLEGE OF ARCHITECTURE, PLANNING AND DESIGN

LANDSCAPE ARCHITECTURE/REGIONAL AND COMMUNITY PLANNING

Newmark, Gregory, US Department of Transportation, \$5,000, "Dwight D. Eisenhower Transportation Fellowship Program (DDETFP) Student: Andrew Young."

Newmark, Gregory, US Department of Transportation, \$5,000, "Dwight D. Eisenhower Transportation Fellowship Program (DDETFP) Student: Rachel Foss."

COLLEGE OF ARTS AND SCIENCES

BIOCHEMISTRY

Zolkiewska, Anna, US Department of Health and Human Services, \$76,000, "Role of ADAM12 in Regulatory T Cell Accumulation within T11 Claudin-low Breast Tumors."

BIOLOGY

Boyle, Alice, National Science Foundation, \$8,247, "RCN: Enabling Comparative Studies of the Process and Products of Sexual Selection in a Genomic Context."

Dodds, Walter K., Rice, Charles W. (Agronomy), and **Zeglin, Lydia H.**, Kansas Board of Regents, \$10,920, "RII Track-1: Microbiomes of Aquatic, Plant and Soil Systems Across Kansas."

Dodds, Walter K., Rice, Charles W. (Agronomy), and **Zeglin, Lydia H.**, National Science Foundation, \$292,183, "RII Track-1: Microbiomes of Aquatic, Plant and Soil Systems (MAPS) Mediating Sustainability: An Observational and Experimental Network Across Kansas."

Haukos, David A., US Department of the Interior, \$99,912, "Ring-necked Pheasant Use of Cover Crops in Western Kansas."

Platt, Thomas G., National Science Foundation, \$24,536, "Synergism Between Plant Symbionts on Productivity: Development of a Mechanistic and Predictive Model of Microbiome Benefits to their Plant Hosts."

Spooner, Brian S., Support Funds, \$3,000, "OBO Biology Student Research Awards."

Zeglin, Lydia H., Dodds, Walter K., and Rice, Charles W. (Agronomy), Kansas Board of Regents, \$5,460, "RII Track-1: Microbiomes of Aquatic, Plant and Soil Systems Across Kansas."

Zeglin, Lydia H., Dodds, Walter K., and Rice, Charles W. (Agronomy), National Science Foundation, \$146,092, "RII Track-1: Microbiomes of Aquatic, Plant and Soil Systems (MAPS) Mediating Sustainability: An Observational and Experimental Network Across Kansas."

CHAPMAN CENTER

Lynn-Sherow, Bonnie, Kansas State University Foundation, \$50,000, "OCC NEH Making the Leap."

CHEMISTRY

Higgins, Daniel A., Kansas State University Foundation, \$15,000, "Center for Basic Cancer Research: Fraternal Order of Eagles Fund."

Smith, Paul E., US Department of Health and Human Services, \$66,255, "Towards Exome Analyses: Surprising Outcomes from Mutating Nonconserved Positions."

GEOLOGY

Raef, Abdelmoneam, and Totten, Matthew W., Schlumberger Technology Corporation, \$9,121,644, "Contract for PETREL, TECHLOG, PETROMOD, GEOX Software."

Totten, Matthew W., and Raef, Abdelmoneam, Schlumberger Technology Corporation, \$9,121,644, "Contract for PETREL, TECHLOG, PETROMOD, GEOX Software."

PHYSICS

Bolton, Timothy A., US Department of Energy, \$24,320, "SOW - Deep Underground Neutrino Experiment."

Ivanov, Andrew G., National Science Foundation, \$30,522, "U.S. CMS Operations at the Large Hadron Collider."

COLLEGE OF EDUCATION

DEAN OF EDUCATION

Shuman, Cindy, National Science Foundation, \$10,878, "Adapting Socio-ecological Systems to Increased Climate Variability."

Shuman, Cindy, US Department of Agriculture, \$27,429, "Technology for Trade: New Tools and New Rules for Water Use Efficiency in Agriculture and Beyond."

COLLEGE OF ENGINEERING

BIOLOGICAL AND AGRICULTURAL ENGINEERING

Rogers, Danny H., Aguilar, Jonathan P. (Southwest Area Office), **Aiken, Robert M.** (Northwest Research Extension Center), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), **Golden, Bill B.** (Agricultural Economics), **Holman, Johnathon D.** (Southwest Research Extension Center), **Jaeger, John R.** (Agricultural Research Center-Hays), **Johnson, Sandra K.** (Northwest Area Office), **Kulesza, Stacey E.** (Civil Engineering), **Lamm, Freddie R.** (Northwest Research Extension Center), **Lin, Xiaomao** (Agronomy), **Obour, Augustine K.** (Agricultural Research Center-Hays), **O'Brien, Daniel M.** (Northwest Area Office), **Schlegel, Alan J.** (Southwest Research Extension Center), and **Vandever, Monte L.** (Southwest Area Office), US Department of Agriculture, \$1,700, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

CIVIL ENGINEERING

Hossain, Mustaque A., Kansas Department of Transportation, \$4,337, "Evaluation of Carbon Char in Hot-Mix Asphalt Mixture."

Jones, Christopher A., US Department of Energy, \$24,925, "Technical Support of VERCORS Project."

Kulesza, Stacey E., Aguilar, Jonathan P. (Southwest Area Office), **Aiken, Robert M.** (Northwest Research Extension Center), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), **Golden, Bill B.** (Agricultural Economics), **Holman, Johnathon D.** (Southwest Research Extension Center), **Jaeger, John R.** (Agricultural Research Center-Hays), **Johnson, Sandra K.** (Northwest Area Office), **Lamm, Freddie R.** (Northwest Research Extension Center), **Lin, Xiaomao** (Agronomy), **Obour, Augustine K.** (Agricultural Research Center-Hays), **O'Brien, Daniel M.** (Northwest Area Office), **Rogers, Danny H.** (Biological and Agricultural Engineering), **Schlegel, Alan J.** (Southwest Research Extension Center), and **Vandever, Monte L.** (Southwest Area Office), US Department of Agriculture, \$6,800, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

COMPUTER SCIENCE

Prabhakar, Pavithra, US Department of Defense, \$111,000, "Formal Synthesis of Robust, Optimal Controllers for Autonomous Underwater Vehicles."

DEAN OF ENGINEERING

Bitsie-Baldwin, LaVerne, and **Clark, Gary A.**, National Action Council for Minorities in Engineering, \$22,500, "NACME Scholars Program."

Clark, Gary A., and Bitsie-Baldwin, LaVerne, National Action Council for Minorities in Engineering, \$22,500, "NACME Scholars Program."

ELECTRICAL AND COMPUTER ENGINEERING

Prakash, Punit, Beard, Warren L. (Clinical Sciences), **Billir, David S.** (Clinical Sciences), and **Ganta, Chanran K.** (Veterinary Diagnostic Laboratory), US Department of Health and Human Services, \$218,838, "Bronchoscope-guided Microwave Ablation of Early-Stage Lung Tumors."

KANSAS INDUSTRIAL EXTENSION SERVICES

Hanson, Brian R., and Snead, Bruce C., US Environmental Protection Agency, \$3,750, "Kansas State University-Missouri Radon Training."

Snead, Bruce C., Tennessee Department of Environment & Conservation, \$56,000, "Tennessee Department of Environment & Conservation."

Snead, Bruce C., and Hanson, Brian R., US Environmental Protection Agency, \$3,750, "Kansas State University-Missouri Radon Training."

Snead, Bruce C., US Environmental Protection Agency, \$2,900, "Radon Projects for Nebraska 2019."

MECHANICAL AND NUCLEAR ENGINEERING

Bahadori, Amir, KBRwyle, \$130,160, "Radiation Transport Simulations in Support of Active Shielding Measurement Campaign."

TECHNOLOGY DEVELOPMENT INSTITUTE

Berggren, Quinton, Bloomfield, John J., Kramer, Bradley A., Lanz, Bret E., Merritt, Bryan E., Picolet, Jacob L., Tucker, Jeffrey W., and Zecha, Ryan A., Kansas Department of Commerce, \$2,800, "Economic Development Support Grant."

Bloomfield, John J., Berggren, Quinton, Kramer, Bradley A., Lanz, Bret E., Merritt, Bryan E., Picolet, Jacob L., Tucker, Jeffrey W., and Zecha, Ryan A., Kansas Department of Commerce, \$2,800, "Economic Development Support Grant."

Kramer, Bradley A., Berggren, Quinton, Bloomfield, John J., Lanz, Bret E., Merritt, Bryan E., Picolet, Jacob L., Tucker, Jeffrey W., and Zecha, Ryan A., Kansas Department of Commerce, \$2,000, "Economic Development Support Grant."

Lanz, Bret E., Berggren, Quinton, Bloomfield, John J., Kramer, Bradley A., Merritt, Bryan E., Picolet, Jacob L., Tucker, Jeffrey W., and Zecha, Ryan A., Kansas Department of Commerce, \$2,800, "Economic Development Support Grant."

Merritt, Bryan E., Berggren, Quinton, Bloomfield, John J., Kramer, Bradley A., Lanz, Bret E., Picolet, Jacob L., Tucker, Jeffrey W., and Zecha, Ryan A., Kansas Department of Commerce, \$2,800, "Economic Development Support Grant."

Picolet, Jacob L., Berggren, Quinton, Bloomfield, John J., Kramer, Bradley A., Lanz, Bret E., Merritt, Bryan E., Tucker, Jeffrey W., and Zecha, Ryan A., Kansas Department of Commerce, \$2,800, "Economic Development Support Grant."

Tucker, Jeffrey W., Berggren, Quinton, Bloomfield, John J., Kramer, Bradley A., Lanz, Bret E., Merritt, Bryan E., Picolet, Jacob L., and Zecha, Ryan A., Kansas Department of Commerce, \$21,200, "Economic Development Support Grant."

Zecha, Ryan A., Berggren, Quinton, Bloomfield, John J., Kramer, Bradley A., Lanz, Bret E., Merritt, Bryan E., Picolet, Jacob L., and Tucker, Jeffrey W., Kansas Department of Commerce, \$2,800, "Economic Development Support Grant."

COLLEGE OF HUMAN ECOLOGY

APPAREL, TEXTILES, AND INTERIOR DESIGN

Kaup, Migette L., and **Doll, Gayle** (Dean of Human Ecology), US Department of Health and Human Services, \$146,166, "PEAK 2.0 Evaluation."

DEAN OF HUMAN ECOLOGY

Doll, Gayle, and **Kaup, Migette L.** (Apparel, Textiles, and Interior Design), US Department of Health and Human Services, \$146,166, "PEAK 2.0 Evaluation."

FOOD, NUTRITION, DIETETICS AND HEALTH

Koppel, Kadri, Nestlé Purina PetCare Global Resources, Inc., \$35,000, "Service Agreement: Pet Food Lexicon Development and Validation."

HOSPITALITY MANAGEMENT

Jang, Jichul, Kansas State University Foundation, \$3,500, "Safe and Healthy Sushi Cooking for Elderly People (Hyunghwa Oh)."

KINESIOLOGY

Ade, Carl, National Aeronautics and Space Administration, \$50,535, "Omics and Biochemical Markers of Cardiovascular and Bone Health: Relationship with Bedrest and Standard Physiological Measures."

COLLEGE OF VETERINARY MEDICINE

ANATOMY AND PHYSIOLOGY

Shi, Jishu N., and **Vanlandingham, Dana L.** (Diagnostic Medicine/Pathobiology), Provimi North American Inc., \$32,354, "Inactivation of African Swine Fever Virus in Feed Supplements."

CLINICAL SCIENCES

Beard, Warren L., Biller, David S., Ganta, Chanran K. (Veterinary Diagnostic Laboratory), and **Prakash, Punit** (Electrical and Computer Engineering), US Department of Health and Human Services, \$26,615, "Bronchoscope-guided Microwave Ablation of Early-Stage Lung Tumors."

Biller, David S., Beard, Warren L., Ganta, Chanran K. (Veterinary Diagnostic Laboratory), and **Prakash, Punit** (Electrical and Computer Engineering), US Department of Health and Human Services, \$23,658, "Bronchoscope-guided Microwave Ablation of Early-Stage Lung Tumors."

Jugan, Maria C., Comparative Gastroenterology Society, \$11,986, "Correlation of Anemia, Iron Status, and Cobalamin in Cats with GI Disease."

DEAN OF VETERINARY MEDICAL CENTER

White, Bradley J., Kansas Department of Agriculture, \$211,260, "Kansas Cattle Traceability Pilot Project."

DIAGNOSTIC MEDICINE/PATHOBIOLOGY

Fang, Ying, US Department of Agriculture, \$227,700, "Development of Novel Foot and Mouth Disease Virus with Mutations in Lpro for Evaluation As Live Attenuated Vaccine (LAV) Candidates."

Hardwidge, Philip R., US Department of Health and Human Services, \$7,018, "KUCR CBID CoBRE Mentor for Dr. Stephanie Shames."

Ma, Wenjun, US Department of Health and Human Services, \$409,517, "Biology and Infection of Bats with Novel Bat Influenza Viruses."

Renter, David G., Merck Animal Health, \$33,744, "Assessing the Economics Associated with Cattle Health and Production Research Trial Results."

Vanlandingham, Dana L., and **Shi, Jishu N.** (Anatomy and Physiology), Provimi North American Inc., \$32,354, "Inactivation of African Swine Fever Virus in Feed Supplements."

VETERINARY DIAGNOSTIC LABORATORY

Ganta, Chanran K., **Beard, Warren L.** (Clinical Sciences), **Biller, David S.** (Clinical Sciences), and **Prakash, Punit** (Electrical and Computer Engineering), US Department of Health and Human Services, \$26,615, "Bronchoscope-guided Microwave Ablation of Early-Stage Lung Tumors."

Henningson, Jamie N., US Department of Agriculture, \$250, "NAHLN RAD Testing."

KANSAS COOPERATIVE EXTENSION SERVICE

DIRECTOR OF COOPERATIVE EXTENSION

Nwadike, Londa S., **Gragg, Sara E.** (Animal Sciences and Industry), and **Vipham, Jessie** (Dean of Agriculture and Director of AES), US Department of Agriculture, \$44,857, "Capacity Building and Development for Food Safety in Bangladesh: Creative Approaches to Train-the-Trainer Programs for Hazard Analysis Critical Control Points (HACCP)."

Nwadike, Londa S., **Gragg, Sara E.** (Animal Sciences and Industry), and **Rivard, Cary L.** (Horticulture and Natural Resources), US Department of Agriculture, \$6,300, "Continued Successful Implementation of FSMA in the North Central Region through Adoption of a Systems Approach and Stakeholder Engagement."

Peters, Paula, and **Procter, Sandra B.** (Extension Family and Consumer Sciences), US Department of Agriculture, \$495,785, "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, \$1,983,141, "Kansas Food Assistance Nutrition Education Plan."

NORTHWEST AREA OFFICE

Haag, Lucas A., Support Funds, \$3,000, "XNW Support Funds Public Service Off Campus 26."

Johnson, Sandra K., **Aguilar, Jonathan P.** (Southwest Area Office), **Aiken, Robert M.** (Northwest Research Extension Center), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrce & the Env / Ks Water Rsrce Rsrch Inst), **Golden, Bill B.** (Agricultural Economics), **Holman, Johnathon D.** (Southwest Research Extension Center), **Jaeger, John R.** (Agricultural Research Center-Hays), **Kulesza, Stacey E.** (Civil Engineering), **Lamm, Freddie R.** (Northwest Research Extension Center), **Lin, Xiaomao** (Agronomy), **Obour, Augustine K.** (Agricultural Research Center-Hays), **O'Brien, Daniel M.**, **Rogers, Danny H.** (Biological and Agricultural Engineering), **Schlegel, Alan J.** (Southwest Research Extension Center), and **Vandever, Monte L.** (Southwest Area Office), US Department of Agriculture, \$1,700, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

O'Brien, Daniel M., **Aguilar, Jonathan P.** (Southwest Area Office), **Aiken, Robert M.** (Northwest Research Extension Center), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrce & the Env / Ks Water Rsrce Rsrch Inst), **Golden, Bill B.** (Agricultural Economics), **Holman, Johnathon D.** (Southwest Research Extension Center), **Jaeger, John R.** (Agricultural Research Center-Hays), **Johnson, Sandra K.**, **Kulesza, Stacey E.** (Civil Engineering), **Lamm, Freddie R.** (Northwest Research Extension Center), **Lin, Xiaomao** (Agronomy), **Obour, Augustine K.**

(Agricultural Research Center-Hays), **Rogers, Danny H.** (Biological and Agricultural Engineering), **Schlegel, Alan J.** (Southwest Research Extension Center), and **Vandever, Monte L.** (Southwest Area Office), US Department of Agriculture, \$850, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

SOUTHWEST AREA OFFICE

Aguilar, Jonathan P., Aiken, Robert M. (Northwest Research Extension Center), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrcs & the Env / Ks Water Rsrce Rsrch Inst), **Golden, Bill B.** (Agricultural Economics), **Holman, Johnathon D.** (Southwest Research Extension Center), **Jaeger, John R.** (Agricultural Research Center-Hays), **Johnson, Sandra K.** (Northwest Area Office), **Kulesza, Stacey E.** (Civil Engineering), **Lamm, Freddie R.** (Northwest Research Extension Center), **Lin, Xiaomao** (Agronomy), **Obour, Augustine K.** (Agricultural Research Center-Hays), **O'Brien, Daniel M.** (Northwest Area Office), **Rogers, Danny H.** (Biological and Agricultural Engineering), **Schlegel, Alan J.** (Southwest Research Extension Center), and **Vandever, Monte L.**, US Department of Agriculture, \$17,000, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

Vandever, Monte L., Aguilar, Jonathan P., Aiken, Robert M. (Northwest Research Extension Center), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrcs & the Env / Ks Water Rsrce Rsrch Inst), **Golden, Bill B.** (Agricultural Economics), **Holman, Johnathon D.** (Southwest Research Extension Center), **Jaeger, John R.** (Agricultural Research Center-Hays), **Johnson, Sandra K.** (Northwest Area Office), **Kulesza, Stacey E.** (Civil Engineering), **Lamm, Freddie R.** (Northwest Research Extension Center), **Lin, Xiaomao** (Agronomy), **Obour, Augustine K.** (Agricultural Research Center-Hays), **O'Brien, Daniel M.** (Northwest Area Office), **Rogers, Danny H.** (Biological and Agricultural Engineering), and **Schlegel, Alan J.** (Southwest Research Extension Center), US Department of Agriculture, \$850, "Water Management to Sustain the Economic Activity from the Ogallala Aquifer on the Southern High Plains - KSU."

OFFICE OF THE PROVOST

DEAN OF GLOBAL CAMPUS

Wolfe, Jeffrey J., Kansas Department of Commerce, \$40,000, "Executive Education by Kansas State University."

OFFICE OF THE PROVOST

King, Brenee, and **Montelone, Beth A.** (Office of Research Development), National Science Foundation, \$2,059, "Recruitment of Underrepresented Minorities into STEM with a Summer Research Immersion Experience."

SCHOOL OF LEADERSHIP STUDIES

Steffensmeier, Timothy R., and **Tolar, Mary H.**, Kansas Leadership Center, \$122,612, "Kansas Leadership Center Research Initiative."

Tolar, Mary H., and **Steffensmeier, Timothy R.**, Kansas Leadership Center, \$13,624, "Kansas Leadership Center Research Initiative."

VICE PRESIDENT FOR RESEARCH

OFFICE OF RESEARCH DEVELOPMENT

Montelone, Beth A., and **King, Brenee** (Office of the Provost), National Science Foundation, \$2,059, "Recruitment of Underrepresented Minorities into STEM with a Summer Research Immersion Experience."

VICE PRESIDENT FOR STUDENT LIFE AND DEAN OF STUDENTS

EDUCATIONAL AND PERSONAL DEVELOPMENT

Bannister, Stephanie, Kansas State University Foundation, \$113,485, "First Generation Office - Suder Foundation."

KSU CHILD DEVELOPMENT CENTER, INC.

Mitchell, Rose M., City of Manhattan, KS, \$44,132, "Social Services Advisory Board - 2019."

STUDENT HEALTH

DeDonder, Jean M., and **Parker, James S.**, City of Manhattan, KS, \$12,000, "Special Alcohol Funding - 2019."

Parker, James S., and **DeDonder, Jean M.**, City of Manhattan, KS, \$3,000, "Special Alcohol Funding - 2019."