

**Agriculture
October 2017
Proposal Submissions**

Principal Investigator	Department	Sponsor	Title	Total Amount Requested
Brislen, Lilian	Agr Economics	National Institute of Food and Agriculture	Cultivate Kentucky Partnership Expansion	\$165,000
Agouridis, Carmen	Biosystems & Ag Eng	Ky Department Of Environmental Protection	KYH2O Podcast Series	\$4,826
Shi, Jian	Biosystems & Ag Eng	National Science Foundation	Microwave driven lignin deconstruction using electrolytic solvents towards rapid production of novel lignin based materials	\$225,000
Shi, Jian	Biosystems & Ag Eng	National Science Foundation	Designing Novel Lignin-Nanoparticle Assembly for Energy Storage Applications	\$300,000
Ren, Wei	RCTF-1-Plant Sciences-Agronomy	National Science Foundation	An integrated modeling framework for understanding and predicting agroecosystem response to climate-smart agriculture management at continental scale	\$289,610
Pescatore, Anthony	Animal and Food Sciences	Alltech Biotechnology Inc	Service Agreement Antihemeltic Screening	\$98,000
Urschel, Kristine	Animal and Food Sciences	American Quarter Horse Foundation	Effect of protein intake on the activation of muscle protein synthesis in horses	\$53,980
Bessin, Ricardo	Entomology	University Of Florida	Wire evaluation in sweet potato and IR-4 state liason	\$13,750
Dobson, Stephen	Entomology	MosquitoMate Incorporated	Developing mosquito vector suppression methods	\$27,733
Gonthier, David	Entomology	University Of California Davis	Managing wild birds for improved strawberry production, pest control, and food safety outcomes in the California Central Coast	\$32,274
White, Jennifer	Entomology	Kent State University	Collaborative Proposal: MISB-ECA: From microbiome to macroclimate-scaling multiple drivers of distribution and abundance of aphid populations in central North America	\$22,500
Houtz, Robert	Horticulture	National Institute Of General Medical Sciences	Exploring The Significance Of Post-Translational Methylation Of Calmodulin	\$1,276,250
Goodin, Michael	Plant Pathology	National Institute Of Allergy And Infectious Diseases	An Integrated Platform for the Study of Nuclear Dynamics in Virus-Infected Cells	\$391,234
Vaillancourt, Lisa	Plant Pathology	Agricultural Research Service	The Role of Mating-Type Genes in Pathogenicity of Fusarium Graminearum to Wheat	\$87,923

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Nagy, Peter	Plant Pathology - RCTF	National Institute of Allergy and Infectious Diseases	Defining the Antiviral Function of Cellular Centromeric Histone 3 in RNA Virus Replication	\$398,750
Nagy, Peter	Plant Pathology - RCTF	National Institute of Allergy and Infectious Diseases	Characterization of Bacterial Effectors that Block RNA Virus Replication	\$398,750
Jones, Kenneth	Community & Leadership Devel	KY State University	Establishing a Family and Consumer Sciences Degree	\$11,771
Adams, Amanda	Veterinary Science	American Quarter Horse Foundation	Effects of Melatonin Regulation by Blue Light Therapy on ACTH and Immune Function in Horses with Pituitary Pars Intermedia Dysfunction (PPID)	\$45,191
Adams, Amanda	Veterinary Science	Alltech Biotechnology Inc	The Effect of Total Replacement With BIOPLEX Minerals On Response to a Vaccine Challenge in Horses.	\$80,141
Ball, Barry	Veterinary Science	Grayson Jockey Club Research Foundation Inc	An evaluation of the effect of altrenogest on the immune system of the mare	\$106,467
Ball, Barry	Veterinary Science	American Quarter Horse Foundation	Determination of immunosuppression by altrenogest in the pregnant mare	\$58,683
Chambers, Thomas	Veterinary Science	American Quarter Horse Foundation	Interferon Response Inhibition by Equine Herpesvirus-1	\$58,442
Chambers, Thomas	Veterinary Science	American Quarter Horse Foundation	Elucidation of the Mechanism of Suppression of type-I IFN Response by Equine Herpesvirus-1	\$19,962
Esteller Vico, Alejandro	Veterinary Science	American Quarter Horse Foundation	Simplified genetic tests for equine embryos during a standard embryo transfer	\$49,173
Nielsen, Martin	Veterinary Science	American Quarter Horse Foundation	Genetic determinants for equine cyathostomin infection	\$65,168
Page, Allen	Veterinary Science	KY Horse Racing Commission	Inflammation in Catastrophically Injured Thoroughbreds	\$67,398