

PI	Last	Dept	Title	Funded	Type
Valentina	Hartarska	Agricultural Economics and Rural Sociology	Climate Change, Agricultural Finance, and Agricultural Production in Alabama and the Southeast	\$49,998	SEED
Jacek	Wower	Animal Sciences	In vivo selection of RNA aptamers specifically binding to obesity-linked colon cancer	\$50,000	SEED
Puneet	Srivastava	Biosystems Engineering	Evaluating practical approaches for farm bacterial testing in support of the FSMA Produce Safety Rules	\$50,000	SEED
Scott	McElroy	Crop, Soil and Environmental Sciences	Developing Genomic Tools for the Enigmatic <i>Cyperus esculentus</i> - Weed, Wildlife Forage, and Orphaned Crop	\$50,000	SEED
Henry	Fadamiro	Entomology and Plant Pathology	Development of Ecologically-Based Tactics for Managing Squash Bug in Cucurbit Production	\$50,000	SEED
Nate	Hardy	Entomology and Plant Pathology	How do sap-sucking bugs overcome plant defenses	\$48,935	SEED
Austin	Hagan	Entomology and Plant Pathology	Development of a Disease Management Program for the Brassica Oil-Seed Crop <i>Carinata</i>	\$47,100	SEED
Elina	Coneva	Horticulture	Exploring Innovative Apple Production Technology to Enhance the Sustainability of Local Food Systems and Mitigate the Climate Change	\$50,000	SEED
Ramesh	Jeganathan	Nutrition, Dietetics and Hospitality Management	Nerve Growth Factor in Diabetes	\$50,000	SEED
Rex	Dunham	School of Fisheries, Aquaculture and Aquatic Sciences	Development of a Multiple Trait Selection Index for Channel Catfish: Impact of Age and Environment	\$50,000	SEED
Alan	Wilson	School of Fisheries, Aquaculture and Aquatic Sciences	Do toxic cyanobacteria threaten Alabama's drinking water reservoirs?	\$50,000	SEED
Loka	Ashwood	Agricultural Economics and Rural Sociology	A Socio-Historical Analysis of Right to Farm and Preservation Laws in Alabama and the Nation	\$50,000	Young
Paul	Dyce	Animal Sciences	Identifying molecular markers in cumulus cells to improve embryo transfer in cattle	\$50,000	Young
Jasmeet	Lamba	Biosystems Engineering	Evaluation of Agricultural Best Management Practices on Water Quality in the Southeast US	\$50,000	Young
Thorsten	Knappenberger	Crop, Soil and Environmental Sciences	Soil Surface Temperature and Relative Humidity Effects on 2,4-D Volatilization	\$50,000	Young
Sarah	Zohdy	Forestry and Wildlife Sciences	The threat of the invasive Asian tiger mosquito: assessing vector distribution, host-feeding preferences and arbovirus transmission risk in Alabama	\$50,000	Young
William	Gulsby	Forestry and Wildlife Sciences	Effects of longleaf pine planting densities on timber production, wildlife habitat and biodiversity	\$49,814	Young
Ben	Hinnant	Human Development and Family Studies	Context effects on adolescent risky decision making: Neuroimaging pilot studies	\$50,000	Young
Thomas	Fuller-Rowell	Human Development and Family Studies	Expanding the Science of Race and Health in Rural Alabama	\$50,000	Young
Benjamin	Newcomer	Pathobiology	Response of the ileal microbiome of cattle to systemic macrolide administration	\$49,400	Young
Emefa	Monu	Poultry Science	Investigating antimicrobial efficacy of novel bacteriocins isolated from a soil metagenomic library against foodborne pathogens	\$50,000	Young

FY16-17 Award

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James Stoeckel	Fisheries, Aquaculture, and Aquatic Sciences	A metabolic approach to assessing interactions between climate change, agrochemicals, and freshwater mussel health	\$50,000	Research Support
Denis Nadolnyak	Agricultural Economics and Rural Sociology	Meeting Alabama's Strategic Goals in Crop Production: Comparative Productivity, Risk Management, and Policy Analysis	\$50,000	Research Support
Mark Liles	Biological Sciences	Pectin Stimulation of Plant Growth & Disease Control by Plant Growth-Promoting Rhizobacteria.	\$50,000	Research Support
Stuart Price	Pathobiology	Characterization and Control of Salmonella Environmental Contamination in a Food Animal Facility	\$50,000	Research Support
Luxin Wang	Animal Sciences	Evaluation of the Attachment and Survival of Environment-adapted Pathogens Recovered from Different Soil Types	\$49,912	Research Support
Sushil Adhikari	Biosystems Engineering	Production of fuels and activated carbon from algal biomass grown in waste water using hydrothermal liquefaction process	\$49,975	Research Support
Sang-Jin Suh	Biological Sciences	Development of magnetostrictive particle multiplex biosensor for rapid detection of foodborne pathogens	\$50,000	Research Support
Brenda Ortiz	Crop, Soil and Environmental Sciences	Steps towards increasing nitrogen and water use efficiency for corn production: Future smart-agriculture	\$50,000	Research Support
Douglas White	Nutrition, Dietetics, and Hospitality Management	Does central leptin administration decrease the responsiveness to glucagon and epinephrine in type 1 diabetic rats?	\$48,322	Research Support
Yifen Wang	Biosystems Engineering	Studies on methods and standards for evaluating quality and safety of oyster (<i>Crassostrea virginica</i>)	\$50,000	Research Support
Christy Bratcher	Animal Sciences	Evaluation of novel antimicrobials on quality and microbial parameters of whole muscle non-intact beef	\$46,260	Research Support
William Dozier	Poultry Science	Effects of dietary amino acid density on growth performance, satellite cell activity, collagen gene expression, and the incidence of wooden breast	\$50,000	Research Support
Yaoqi Zhang	Forestry and Wildlife Sciences	A new technology for abating nutrients leaching from poultry litter: technical viability and economic efficiency	\$50,000	Research Support
Aaron Rashotte	Biological Sciences	Genome-wide examination for novel oxidative stress genes associated with cytokinin	\$50,000	Research Support
Sang Wook Park	Entomology and Plant Pathology	The systems biology of jasmonate signaling and their activities in a broad-spectrum disease resistance in plants	\$50,000	Young
Yi Wang	Biosystems Engineering	Transcriptomic analyses and metabolic engineering on <i>Clostridium pasteurianum</i> for enhances biobutanol production from glycerol	\$49,999	Young
Jeffrey Coleman	Entomology and Plant Pathology	Tolerance to the phytoalexin gossypol in <i>Fusarium oxysporum</i> f. sp. <i>Vasinfectum</i> , the causative agent of <i>Fusarium</i> wilt on cotton	\$50,000	Young
Jessica Starkey	Poultry Science	Impact of in ovo thermal manipulation on broiler chicken muscle development, growth, and satellite cell activity	\$50,000	Young
Derrick Mathias	Entomology and Plant Pathology	Examining environmental determinants of tick and tick-borne pathogen distributions in Alabama: Can tick ecology predict risk of tick-borne diseases?	\$50,000	Young
Diana Samek	Human Development and Family Studies	College Experiences Leading to Alcohol and Cannabis Use Disorder Onset, Persistence and Desistence: A Longitudinal Study	\$50,000	Young

Megan Haselschwerdt	Human Development and Family Studies	The Nature and Impact of Domestic Violence Exposure from the Perspective of Young Adults in Alabama	\$50,000	Young
Christopher Lepcyk	Forestry and Wildlife Sciences	Quantifying the economic costs and human dimensions of wild pigs in Alabama	\$50,000	Young
Haruka Wada	Biological Sciences	Development of a rearing protocol to improve heat tolerance in laying hens	\$50,000	Young