

**FY 2019 Competitive Capacity Grants - Projects Funded**

PI	Title	Capacity type	Total Grant/3 yr
<b>Department: Allied Health Sciences</b>			
Valerie Duffy, Co-PI: C. Lin, T. Dugdale, M. Waring, J. Harris, S. Smith, A. Dunham	Tailored messages for health promotion and obesity prevention using e-health and m-health	Hatch/Integrated	90,000
<b>Department: Animal Science</b>			
Mary Anne Amalaradjou	Early and sustained application of probiotics to promote growth, gut microbiome establishment and intestinal function in broiler chicken	Hatch	60,000
Young Tang	Identification of Key Regulatory Events for Bovine Induced Pluripotent Stem Cell Generation	Hatch Multistate	60,000
<b>Department: Agricultural Resource Economics</b>			
Boris Bravo-Ureta, Co-PI: R. Anyah, E. Njuki	Agricultural productivity and climatic variability: a meta-analysis and empirical assessment	Hatch, Multi-disciplinary	90,000
Farhed Shah	Cost and benefits of natural resources on public and private lands: management, economic valuation, and integrated decision-making (W4133)	Hatch Multistate	60,000
<b>Department: Extension</b>			
Tom Worthley, Co-PI: R. Fahey, A. Morzillo	Assessing exurban woodland owner interest in adaptive silviculture as a response to climate change	McIntire-Stennis/Integrated	90,000
<b>Department: Natural Resource and the Environment</b>			
Ashley Helton	The role of river interface sediments in legacy N removal at groundwater discharge zones	Hatch	60,000
Gary Robbins	Use of DNA Bacteria Gene Sequencing as a Tracer to Evaluate Farm Related Sources of Groundwater Arsenic Contamination	Hatch Multistate	60,000
Robert Fahey	Experimentally testing effects of forest canopy structural complexity on stand productivity and light use efficiency	McIntire-Stennis/Integrated	90,000
Tracy Rittenhouse, Co-PI: C. Rittenhouse, T. Worthley	Assessing wildlife response to silvicultural treatments within forested wetlands.	McIntire Stennis	60,000
Xiusheng Yang, Co-PI: R. McAvoy	Greenbox farming – A low-cost technology for intensive urban agriculture	Hatch	60,000
<b>Department: Nutritional Sciences</b>			
Alison Kohan	Determining how apoC-III acts in the intestine and immune system to regulate inflammation	Hatch	60,000
Ji-Young Lee	Effect of nutrients on the activation of hepatic stellate cells	Hatch Multistate	60,000
Nancy Rodriguez	Novel approaches to maintaining muscle mass with aging: Application of proteomics to investigations of protein quality and regulation of skeletal muscle protein utilization	Hatch	60,000
Young-Ki Park	Studies on the effects of bioactives on adipose tissue inflammation and fibrosis	Hatch	60,000
<b>Department: Plant Science and Landscape Architecture</b>			
Ana Legrand	Digital scouting for green bean pests using unmanned aerial system technology	Hatch Multistate, Multi-disciplinary	90,000
Huanzhong Wang	Molecular regulation of vascular development and wood formation	Hatch	60,000
<b>Department: Pathobiology and Veterinary Science</b>			
Paulo Verardi	Plug-and-play multi-pathogen vaccine platform for animal disease complexes	Hatch	60,000