

2019 RESEARCH OPPORTUNITY SEED FUND AWARDS

PI	PI-College	Co-PI	Co-PI College	Title of Proposal	Amount Funded
Alto, Barry	IFAS	Amy Vittor; Adam Wong; Ilari Capua	COM; IFAS; IFAS	Examining how blood meals from different vertebrate species influence the midgut microbiome of the mosquito vector <i>Aedes aegypti</i> , and its susceptibility to arboviral infections	\$ 85,320.00
Canestrelli, Alberto	HWCOE	James Liao; Kai Lorenzen;	CLAS; IFAS	Kármán gait ladders: an innovative fishway exploiting how fish recapture energy from vortices	\$ 91,818.00
Chen, Sixue	CLAS	Qiu-Xing Jiang	IFAS	Identification and functional characterization of novel telomerase-activating factors important for human cancers and aging	\$ 85,000.00
Febo Vega, Marcelo	COM	Barry Setlow; Yong Kyu Yoon; Matthew Burns	COM; HWCOE; COM	A Microfluidics Optrode: A Next Generation Approach to Brain Network Modulation in Parkinson's Disease	\$ 90,000.00
Fishe, Jennifer	COM-JAX	Kathryn Blake; Leslie Hendeles; Phyllis Hendry; Benjamin Abo; Jason Jones; Bruce Vogel; Shiva Gautam; Sam Palmer; Erik Finlay	COP; COP; COM-JAX; COM; COM; COM; COM-JAX; DCP; DCP	Early Administration of Steroids In the Ambulance Setting: An Observational Design Trial	\$ 85,000.00
Goss, Erica	IFAS	Dean Gabriel; Marco Salemi; Ilaria Capua; Mukesh Jain	IFAS; COM; IFAS; IFAS	Single-cell sequencing of the citrus Huanglongbing pathogen, <i>Candidatus Liberibacter asiaticus</i> , to advance understanding of pathogen biology	\$ 85,000.00
Gower, Laurie	HWCOE	Mark Martindale; Thomas Angelini	CLAS; HWCOE	Biosynthetic Engineering of Materials and Composites	\$ 85,000.00
Hagelin Weaver, Helena	HWCOE	Edward Philips; Pratap Pullammanappallil; David Hibbitts; Spyros Svoronos;	IFAS; IFAS; CLAS; CLAS	Catalytic conversion of algae biomass to produce biofuels and bio-products	\$ 90,000.00
Jones, Melissa	IFAS	Mariola Edelmann; Carlos Rinaldi;	IFAS; HWCOE	Regulation of exosome production and content resulting from human norovirus infection of B cells	\$ 85,000.00

Kawahara, Akito	FLMNH	Thomas Angelini; Caroline Storer; Christopher Reisch; Paul Shirk; Whitney Stoppel;	HWCOE; FLMNH; IFAS; USDA; HWCOE	Developing novel genomic resources and biomaterial characterization methods for the study of wild moth silk	\$ 75,000.00
Lobo, Brian	COM	Marino Leon; Fan Ren; Stephen Pearton	COM; HWCOE; HWCOE	Rapid Detection of Cerebrospinal Fluid and Development of a Modular Point of Care Testing Solution with Low-Cost Disposable Testing Strips	\$ 85,000.00
Moore, Julie	VETMED	Connie Mulligan;	CLAS	Prenatal stress, the gut microbiota and infant susceptibility to malaria	\$ 80,000.00
Neubert, John	DENTISTRY	Alexander Grenning; Barry Setlow; Jenny Wilkerson; Lance McMahon Jr.	CLAS; COM; COP;COP	Opioid and cannabinoid interactions in pain and reward	\$ 85,000.00
Ryan, Terence	HHP	Russ Hepple; Salvatore Scali; Mark Segal	PHP; COM; COM	Mechanisms of muscle dysfunction in chronic kidney disease	\$ 83,409.00
Stacciarini, Jeanne-Marie	NURSING	Liang Mao; Heidi Radunovich; Sally Bethart	CLAS; IFAS; NURSING	Familial, geographic, and social determinants of mental wellbeing in rural LGBTQ+ adolescents	\$ 85,000.00