

Center for Wildlife Health ORU Seed Grants: 2013-2016

Short Title	Award	UTK PIs	UTIA/ UTCVM PIs
Etiology of wing damage on endangered gray bats (<i>Myotis griscepens</i>)	\$5,000	McCracken, Janiicki	Souza
Transmission of <i>Toxoplasma gondii</i> among white-tailed deer in Tennessee	\$10,000	Gerhold, Muller	Su
Development and evaluation of an in-field diagnostic device for bovine tuberculosis in wild animals	\$10,000	Wu	Eda
Prevalence and portioning of Salmonella among wildlife	\$10,000	Fitzpatrick	Souza
Identifying signature volatile chemicals from pathogenic Mycobacteria of importance to wildlife health and zoonotic diseases	\$5,000	Cheng, Williamson	Eda
Screening of communal dogs for tick-borne zoonoses in Zimbabwe	\$10,000	Lenhart	Kennedy, Trout, Penrose-Wilkes, Odoi
Epidemiology of <i>Pseudogymnoascus destructans</i> : Variation in fungal load on active bats throughout winter in the Southeast	\$5,000	McCracken, Bernard	Wilcox
Increasing the understanding of La Crosse virus by developing diagnostic procedures and mosquito dispersal models	\$10,000	Lenhart	Trout Fryxell, Souza,
Immunological mechanisms of granuloma formation in Johne's disease	\$10,000	Ganusov	Eda
Human-induced evolution of virulence in an emerging pathogen	\$10,000	Sparer	Gray, Penrose-Wilkes
Conservation Genetics – Implications for Restoration of Elk in North America	\$5,000	Fitzpatrick	Muller, Clark
Prevalence of <i>Toxoplasma gondii</i> in Antillean manatees (<i>Trichechus manatus manatus</i>) from Puerto Rico	\$5,000	Su	Miller, Gerhold
Understanding lower <i>Pseudogymnoascus destructans</i> loads and susceptibility to White-nose syndrome in gray bats	\$10,000	McCracken	Wilcox, Bernard
Combining multi-disciplinary approaches to investigate granuloma formation in Johne's disease	\$10,000	Day	Eda, LeGrand
Quantifying the threat of a novel fungal pathogen (<i>Batrachochytrium salamandrivorans</i>) to North American amphibians	\$10,000	Burghardt	Gray, Miller
Role of atmospheric warming on the pathogenicity of a wildlife pathogen that is emerging in Europe and the USA	\$10,000	Sparer	Gray
Conservation Genetics- Implications for Restoration of Deer on Cherokee Tribal Lands	\$10,000	Fitzpatrick	Muller
Impact of farm cats on transmission of zoonotic pathogen <i>Toxoplasma gondii</i>	\$10,000	Su	Muller, Gerhold
Discovering the effects of life history on Lone star ticks microbiomes	\$10,000	Wilhelm	DeBruyn, Fryxell
The effect of winter emergence and foraging on the susceptibility of southeastern bats to <i>Pseudogymnoascus destructans</i>	\$10,000	McCracken, Bernard	Willcox
High sensitive, rapid and low cost aptamer-based capacitive microsensor for bisphenol A (BPA) detection in surface water	\$10,000	Wu, Chen	Eda