



# WINN FELINE FOUNDATION

For the Health and Well-being of All Cats

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637 Wyckoff Ave., Suite 336, Wyckoff, NJ 07481 • [www.winnfelinefoundation.org](http://www.winnfelinefoundation.org)  
Toll Free 888-9MEOWIN (888-963-6946) • Local Phone 201-275-0624 • Fax 877-933-0939

## **2018 GEORGE SYDNEY AND PHYLLIS REDMAN MILLER TRUST GRANT AWARD** **RECOMMENDATIONS FROM WINN FELINE FOUNDATION: TOTAL \$132,104**

**Metagenomic and metabolomic analysis of the short-term and long term effects of antibiotic therapy on the intestinal microbiota in growing kittens and their relation to the overall health status of these kittens;**  
**MT18-003**

*Principal Investigators: Jan Suchodolski DVM, PhD, ACVM; Texas A&M University; Panagiotis Xenoulis, DVM, PhD; University of Thessaly, Greece; \$34,800*

Antibiotic treatment in children is associated with changes in intestinal bacteria that predispose to obesity and other diseases later in life. This study evaluates similar effects of antibiotics in kittens during their first year of life.

**Evaluating the efficacy of novel gastroprotectants in cats; MT18-004**

*Principal Investigators: M. Katherine Tolbert, DVM, PhD, DACVIM; University of Tennessee; Adesola Odunayo, DVM, MS, DACVECC; \$18,080*

In an effort to treat cats with intestinal disease, veterinarians often prescribe medications to reduce stomach acid without evidence they are effective, because they work in humans. This study evaluates the effectiveness of these drugs in cats by measuring the reduction in their stomach acid.

**Estimating the significance of a novel feline hepadnavirus in hepatitis and liver cancer; MT18-005**

*Principal Investigator: Patricia Pesavento, DVM, PhD, DACVP; University of California-Davis; \$34,880.*

Recently, a new virus has been discovered in cats that is similar to the Hepatitis B virus in humans, which causes liver disease. This study looks for the presence of this new virus in samples from cats with liver disease and liver cancer.

**Precision Medicine Genomics for Cats; MT18-009**

*Principal Investigator: Leslie Lyons, University of Missouri-Columbia; \$12,648*

This study updates the 99 Lives Genome Sequencing Initiative, to identify genes that cause disease in cats, to the latest version that allows more efficient evaluation of these genes. These results will be shared with other researchers to facilitate identification of genes that cause illness in cats. Miller Trust funding will validate DNA variant development and genetic software interfacing for disease/trait projects.

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The Winn Feline Foundation is a non-profit organization [501(c)(3)] established by The Cat Fancier's Association.  
Member Combined Federal Campaign #10321



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## **The effects of brachycephalic conformation on cardiopulmonary health in cats; *MT18-010***

*Principal Investigators: Heidi Phillips, VMD, ACVS, Hadley Gleason, VMD; University of Illinois; \$31,696*

This study evaluates whether cats with facial abnormalities, such as the short face of Persian cats, suffer from diseases such as heart and lung problems in addition to breathing difficulty, and whether surgery can improve their medical condition and quality of life.

## **WINN FELINE FOUNDATION FUNDING**

### **Precision Medicine Genomics for Cats; *MTW18-009***

*Principal Investigator: Leslie Lyons, University of Missouri-Columbia; \$21,651*

This study updates the 99 Lives Genome Sequencing Initiative, to identify genes that cause disease in cats, to the latest version that allows more efficient evaluation of these genes. These results will be shared with other researchers to facilitate identification of genes that cause illness in cats. Winn funding will deliver genetic testing of identified DNA variants and use of genetic software for different disease/trait projects.

**MTW18-001:** Evaluation of commercial feline diets for calcium, phosphorous and the calcium to phosphorous ratio

*Principal Investigator: Jonathan Stockman, DVM, ACVN; Colorado State University; \$9,103. (Feline Kidney Disease Campaign)*

High levels of phosphorus with low levels of calcium are known to predispose cats to kidney disease, one of the most common diseases of older cats. This study evaluates the levels of these two metabolites in commercial cat food to see if certain kinds of foods are more likely to have these levels.

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