Winn Feline Foundation’s March 2020 Grant Awards Summary

New Feline Investigators Award

W20-0

New Feline Investigator Award - Genomics

W20-0

Winn Grants

**W20-002** Mechanism of action of doxycycline in inhibiting feline infectious peritonitis virus.  
Pl: Gary R. Whittaker, PhD; Cornell University; $25,000.00 *(Bria Fund)*

**W20-003** Developing a safe and effective anticonvoviral therapy for client-owned cats with FIP (continuation study).  
Pls: Dr. Brian Murphy, Niels C. Pedersen; University of California, Davis; $21,500.00 *(Bria Fund)*

**W20-005** – Determining the clinical efficacy of mefloquine for treatment of naturally occurring feline infectious peritonitis, stage 1.  
Pls: Jacqueline Norris, Merran Govendir, Dr. Benjamin Kimble; University of Sydney; $20,500.00 *(Bria Fund)*

**W20-007** Transcriptomic analysis of CRISPR-Cas9 edited iPSC-CMs to identify and therapeutically target key biological pathways in hypertrophic cardiomyopathy caused by the Ragdoll R820W mutation.  
Pls: David J Connolly, Dr. Luke Dutton; The Royal Veterinary College; $11,542.09 *(Ricky and General Fund)*

**W20-009** Investigating cell molecular biological influence of PTC-209, a novel anti-cancer stem cell drug, in cats with oral squamous cell carcinomas lines.  
Pl: Hiroto Yoshikawa; North Carolina State University; $25,000.00 *(Oncology and General Fund)*

**W20-016** Evaluation of oxidative stress in nonazotemic cats with increased symmetric dimethylarginine concentrations.
Pls: William Whitehouse, DVM, DACVIM (SAIM), Nicolette Cassel, BSc, BVSc, MMedVet, DECVDI; Kansas State University; $19,426.00 (Feline Kidney Fund, in honor of Vicki Thayer, DVM, DABVP – Feline)

**W20-019** Phase 1 clinical trial investigating burst wave lithotripsy for treatment of obstructing ureteroliths in cats.
Pls: Eva Furrow, Jody Lulich; University of Minnesota; $23,405.00 (Feline Urinary Fund, Feline Kidney Fund in honor of Vicki Thayer, DVM, DACVP - Feline)

**W20-020** In Vitro Characterization of Small Molecule Inhibitors of Pancreatic Amyloidosis for Diabetic Cats.
Pl: Jessica Fortin; Michigan State University; $24,365.00 (General Fund)

**W20-021** The effect of feeding frequency on feline energy metabolism and body composition – a long term study.
Pls: Adronie Verbrugghe, Anna Kate Shoveller; Ontario Veterinary College, University of Guelph; $24,946.00 (General Fund)

**W20-029** Probing Modulation of FeLV Integration Sites into the Cat Genome Using Epigenetic Modulators.
Pls: Dr. Cheryl Swenson Kruger, Dr. Vilma Yuzbasiyan-Gurkan; Michigan State University; $25,000.00 (Infectious Disease and General Fund)

**W20-031** Identification of Microsporum canis virulence factors.
Pl: Sue VandeWoude; Colorado State University; $21,366.00 (General Fund)

**W20-032** Development of a Rapid Diagnostic Test for Microsporum canis.
Pl: Sue VandeWoude; Colorado State University; $14,062.00 (General Fund)

**W20-039** Effects of general anaesthesia and surgery on renal biomarkers in cats.
Pl: Dr. Kavitha Kongara, BVSc (Cert. ECFVG-AVMA), MVSc, PhD; Massey University; $20,700.00 (Feline Kidney Fund in honor of Vicki Thayer, DVM, DACVP - Feline)

**W20-040** The effect of an intravenous injection of branched chain amino acids on body temperature of cats undergoing general anesthesia.
Pl: Stuart Clark-Price; Auburn University; $7,665.00 (General Fund)

**W20-044** Development and Initial Validation of a Frailty Scale for domestic cats.
Pls: Tony Buffington, Melissa J. Bain; University of California, Davis; $20,000.00 (General Fund)