



VPRF/ACVIM Granting Process History

In 2007, VPRF formed a strategic partnership with the American College of Veterinary Internal Medicine Foundation (ACVIMF) to solicit, review, and administer research grants with a pharmacologic focus. The first call for proposals went out in November 2009. Investigators were encouraged to submit proposals that focused on research to evaluate the safety and effectiveness of therapies for veterinary species, explore new drug therapies for animals, develop and validate models of animal diseases or conditions, or ensure that a safe food supply is not compromised by drug therapy. As this grant was a partnership between veterinary internists and VPRF, collaborations between pharmacologists and Diplomates of ACVIM were strongly encouraged.

2010 Grant

The first call for proposals yielded over 30 high quality research proposals for evaluation by the scientific review committee. The first VPRF grant was awarded in June 2010 to Drs. Kenneth Simpson, Melanie Craven, and Belgin Dogan from Cornell University for the development of a novel amikacin delivery method for treatment of *E. coli* associated with Granulomatous Colitis of Boxer dogs. The researchers received approximately \$18,000 for this important work.

2011

In 2011, 12 high quality veterinary pharmacology research proposals were submitted. In November of 2011, a grant of nearly \$18,000 was awarded to Drs. Butch KuKanich and Kate KuKanich from Kansas State University for a study to determine the effect of CYP inhibition on tramadol disposition and pharmacological effects in dogs.

2012

In 2012, a total of 20 high quality veterinary pharmacology research proposals were received. Of these, two proposals were selected for funding. Drs. Chen Gilor and Christopher Adin of the Veterinary Clinical Sciences Department at the Ohio State University received approximately \$16,000 in funding for evaluating Exenatide extended release in cats. Approximately \$4000 was awarded to Drs. Jennifer Myers, Janice Bright, Christopher Orton, Daniel Gustafson and Christine Swardson Olver from the College of Veterinary Medicine & Biomedical Sciences, Colorado State University for evaluation of the pharmacokinetics and pharmacodynamics of Apibaxin in cats. These researchers also received additional funding from ACVIMF for this work.

2013

In 2013, there were 13 high quality grant proposals for evaluation by the scientific review committee. The 2013 Grant was awarded to Drs. Dawn Boothe and Jacqueline Gimmler from the Auburn College of Veterinary Medicine for work to establish terbinafine doses for treatment of canine Malassezia infection. This project was co-funded from the American College of Veterinary Dermatology and the investigators received approximately \$14,500 from VPRF.

2014

In 2014, there were 19 high quality grant proposals for evaluation by the scientific review committee. The 2014 Grant was awarded to Dr. Lauren Trepanier of the University of Wisconsin-Madison School of Veterinary Medicine for work to investigate the genetic risk for cyclophosphamide toxicity in dogs. The investigator received approximately \$17,500 from VPRF.

2015

In 2015, there were 25 high quality grant proposals for evaluation by the scientific review committee. This was a landmark year for VPRF as the organization awarded three grants:

- Dr. Sofia Cerdá-González from Cornell University received approximately \$12,700 from VPRF for work to investigate the efficacy of maropitant (Cerenia®) as an adjunct analgesic in dogs.
- Dr. Andrew Mackin from Mississippi State University received approximately \$18,000 from VPRF for the pharmacodynamic evaluation of mycophenolate in the dog.
- Drs. M. Katherine Tolbert and Shelly Olin from the University of Tennessee received approximately \$15,140 from VPRF for a project to evaluate whether acid suppressants are indicated in cats with chronic kidney disease.

2016

In 2016, there were 39 high quality grant proposals for evaluation by the scientific review committee. This was a record number of submissions and the foundation selected two grants for funding:

- Dr. Claire Fellman from Tufts University received \$26,223 in funding for the Pharmacokinetic/Pharmacodynamic Assessment of Differential Responses to Cyclosporine in Atopic Dogs
- Dr. Katrina R. Viviano, from University of Wisconsin-Madison received \$19,280 in funding for a project to evaluate C-Reactive Protein as a Therapeutic Biomarker for Canine Aspiration Pneumonia

2017

In 2017, we collaborated with the American Veterinary Medical Foundation (AVMF) and had our most successful year ever with 52 submissions for two grants. We expanded our program this year to include both a pharmacokinetic grant for smaller studies and a larger pharmacology grant. The VPRF board selected two grants for funding:

- Dr. Duncan Lascelles from North Carolina State University received \$14,989 for funding for the Pharmacokinetics of Gabapentin in Cats by Three Routes of Administration
- Dr. Derek Foster from North Carolina State University received \$29,955 in funds for a proposal on Continuous Sampling of the Bovine Udder by Ultrafiltration to Assess the Pharmacokinetics and Pharmacodynamics of Intramammary Ceftiofur.

2018

Three submissions were selected to receive funding:

- Dr. John Thomason, from the Department of Clinical Sciences at Mississippi State College of Veterinary Medicine, received a Dr. Brian Riviere Memorial Veterinary Pharmacokinetic Research Grant of nearly \$15,000. Dr. Thomason is conducting research on population pharmacokinetics of subcutaneous enoxaparin in hypercoagulable dogs.
- An additional recipient of the Dr. Brian Riviere Memorial Veterinary Grant is Dr. Jonathan Foster, from Friendship Hospital for Animals in Washington, D.C., who was awarded nearly \$12,000. Dr. Foster's research focuses on population pharmacokinetic analysis of enrofloxacin and its active metabolite ciprofloxacin following intravenous injection in cats with reduced kidney function.
- Dr. Lauren Trepanier, from the University of Wisconsin-Madison School of Veterinary Medicine, is the recipient of the Veterinary Pharmacology Research Grant of nearly \$12,000. Dr. Trepanier's research aims to discover why individual dogs respond differently to the drugs azathioprine, cyclophosphamide, cisplatin, lomustine, amiodarone and chlorambucil.

To date, VPRF has funded over \$260,000 worth of grants, evaluated 259 proposals, and awarded 16 veterinary pharmacology research grants.