

Type PI Last Name here

Please complete this application and **remove or replace ALL INSTRUCTIONS/CLARIFICATIONS TYPED IN BLUE INK.**

Project Title (this must be different from ongoing or pending research)

Submitted to the

ACVO Vision for Animals Foundation (VAF)

Founders Clinical Research Grant

Submitted by: (this cover/signature page **must be signed** by all listed investigators)

Name, Degrees, Year of ACVO Board Certification Sign and Date Here
Principal Investigator

Name, Degrees Sign and Date Here
Co-Investigator

Name, Degrees Sign and Date Here
Co-Investigator

Name, Degrees Sign and Date Here
Co-Investigator

Contact Information:

The University of XYZ, College of Veterinary Medicine
111 we work here street
City, State Zip Code
Telephone: 123-456-7890 Fax: 123-456-7890
Email: JSmith@gmail.com

Checklist:

The checklist is designed to assist applicants in the grant writing process. All items in the checklist are required to be completed prior to grant submission. Please include this completed checklist in your ACVO-VAF grant application. The grant application **must** include the following:

- Completed and signed cover page
- Completed abstract and project duration
- Complete description of the resources available for the proposed research
- Complete research plan
- Complete literature cited
- Completed budget that does not exceed \$5000 in total costs
- Check if an Informed Consent form is included
- Submitted an electronic MS Word document to: BermudaPetEyeDoc@verizon.net

Scientific Abstract:

Place your abstract in this space. The abstract should be a concise summary of the proposal and include the following sections: PURPOSE (including hypothesis and specific aims), MATERIALS AND METHODS, EXPECTED OUTCOME, and SIGNIFICANCE. The abstract body should not exceed 300 words.

Project Duration:

XXX months

Please specify how many months the project will take to complete and list the proposed time period during which the research is to be conducted. Please note all ACVO-VAF clinical research projects must be completed primarily by the investigator and presented at the Annual Conference of ACVO no later than the 2021 Conference.

Resources:

Facilities:

Clinical:

Please describe the facilities to be used to conduct the proposed research. Indicate the performance sites and describe the capacities, pertinent capabilities, and extent of availability to the project.

Animals:

Please describe where the animals will come from, if applicable.

Other:

Identify any support services and specify the extent to which they will be available to the project.

Major Equipment:

Describe all major equipment that will be used to conduct the proposed research. Indicate the extent to which they will be available to the project. Equipment commonly used within a veterinary ophthalmology referral practice, such as but not limited to: a slit lamp, tonometer, binocular indirect ophthalmoscope and lenses, ultrasound machine, electroretinogram machine, operating microscope, phacoemulsification machine, anesthesia machine and monitoring equipment, cannot be supported by the grant, unless the investigator provides reason that existing equipment in the practice cannot be utilized for this project.

Research Plan:

A. Hypothesis and Specific Aims:

In this space, the applicant should briefly describe the problem that needs to be addressed, state the hypothesis, and list the objectives or specific aims to address this hypothesis.

B. Background and Significance: (< 1 page)

Briefly review and reference the relevant literature including significant points and/or the current status of the current project idea. Describe how the proposal will contribute to the general knowledge of the area of study including novel concepts and potential applications. Describe how the results obtained from this study are relevant to our current understanding of the disease problem. Additionally, describe how results that are obtained from this study may further potential research programs and future funding, if applicable.

C. Preliminary Data: (<1 page)

If available, present preliminary data, including figures and tables, or work in progress that supports the hypothesis and/or the suggested methodology.

D. Experimental Plan: (1-2 pages)

Specific Aim: Place the title of the specific aim or objective here.

Rationale: Briefly summarize why the experiment will be performed.

Experimental Design: Provide details of the methods and procedures used in the experiments. It is important to provide adequate power analyses to justify and support the proposed sample size. Be comprehensive enough that the reviewers can assess technological aspects of the proposal separately from the experimental plan.

Data Analysis: Clearly indicate the experimental outcomes and describe the plan for using data to answer the specific aim. Statistical consultation is encouraged and may be beneficial.

Expected Results: Describe the experimental results that are expected and how this will impact the area of study.

Limitations, Potential Pitfalls, and Alternative Approaches: Indicate any potential limitations of either the experimental procedures used or of the specific aim. Describe any alternate experimental outcomes and how the project personnel will deal with this.

E. Time Line for the Experimental Plan:

Clearly indicate how long the specific aim will take to complete.

F. Literature Cited:

The references should be formatted in the same manner as manuscripts submitted to the journal "Veterinary Ophthalmology". References should be numbered sequentially as they occur in the text and identified in the main text by superscript Arabic numbers after the punctuation. The reference list should be listed numerically in the Literature Cited section of the grant application.

The following are examples of style. All authors should be listed, and journal titles and page ranges should not be abbreviated.

1. Bagley LH, Lavach JD. Comparison of postoperative phacoemulsification results in dogs with and without diabetes mellitus: 153 cases (1991-1992). *Journal of the American Veterinary Medical Association* 1994; 205: 1165-1169.
2. Barnett KC. *Color Atlas of Veterinary Ophthalmology*. Williams and Wilkins, Baltimore, 1990.
3. Davidson MG. Equine ophthalmology. In: *Veterinary Ophthalmology* 2nd edition (ed. Gelatt KN). Lea and Febiger: Philadelphia, 1991; 576-610
4. Maggs DJ, Nasisse MP. Effects of oral L-lysine supplementation on the ocular shedding rate of feline herpesvirus (FHV-1) in cats (abstract). *28th Annual Meeting of the American College of Veterinary Ophthalmologists* 1997; 101: 67-78.

Animal Involvement Justification:

Humane treatment of animals is of utmost priority to the ACVO-VAF and will be reviewed closely. Although specific treatment protocols for the animals should be included in the Experimental Design section, please use this section to indicate where the participating animals and/or samples will be obtained. Studies that involve euthanasia as a final endpoint should provide appropriate justification in this section. Proposals should be approved by either an institutional IACUC committee, a Hospital Executive Committee or by the ACVO-VAF Founders Clinical Grant review committee. Applicants are also encouraged to review the <https://www.visionforanimals.org/wp-content/uploads/2017/07/Glaucoma-Policy-Animals-in-Research.pdf>

Estimated Budget:

Please refer to the budget section of the grant instructions form for details on what types of budget items are not supported by the ACVO-VAF. Categories listed below are intended to be examples. Additional categories may be used to sufficiently communicate the project expenses.

Owner Compensation: Please note that the list provided here is an example only. It does not need to be included for all applications nor does it represent an exhaustible list of client-owned animal fees or accurate dollar amounts.

Compensation for client participation (\$100/visit).....\$1180
If no client-owned animals are being used in this proposal, replace this information with “Not Applicable”

Equipment: Only small equipment purchases are allowed by the ACVO-VAF. Any equipment purchases listed here must be justified.

Mini-refrigerator to store samples after collection\$70
If no there are no small equipment purchases, replace this information with “Not Applicable”

Expendable Supplies: Please note that the list provided here is an example only. It does not represent an exhaustible list of supplies or accurate dollar amounts. This section of the grant should be modified by each applicant to fit the needs of his/her proposal.

Type PI Last Name here

Cell culture supplies and reagents:

Tissue culture dishes\$300
Buffers and Media\$250

Immunohistochemistry for IL-1:

Primary and secondary antibodies\$250
Chromagen\$250

Medications:

Xylazine\$50
Ketamine\$75

Surgical Supplies:

Gloves.....\$150
Drapes\$125

Other:

Histology:

H&E and unstained slides\$300

Laboratory Tests:

Serum Chemistry and CBC\$300

Test Medication and Placebo.....\$700

Travel to collect samples.....\$500

Statistician Fees.....\$500

Total Direct Project Costs\$5000

The ACVO-VAF does not support any institutional F&A\$0

Total Costs Requested from ACVO-VAF Clinical Research Fund\$5000

Client Consent Form:

If client owned animals are to be used in the project, you **MUST** attach a copy of the informed consent form to this application as a separate page and include it in your grant submission.