APPLICATION INSTRUCTIONS - 2011
CLINICIAN SCIENTIST GRANT PROPOSALS

1. Complete the Application for Clinician Scientist Research Award Cover Page. Principal Investigator, Co-Investigator(s) and Department Chair signatures are required on the cover page. Complete the Checklist Page.

Eligibility: Regular and non-regular faculty with an appointment in the CVM (salaried), at the assistant professor level or above.

2. Evaluation Criteria:
   This program is designed for the research and career development of CVM faculty by supporting exceptional research that pertains to animal health and well-being, particularly companion animals. Meritorious grants with justified budgets up to $8,000 will be supported for a period of one year. A no-cost extension of up to one additional year may be requested, when justified.

   Grant awards are made on scientific merit and fulfillment of program goals. The merits of the proposed research and demonstrated enhancement of faculty scholarship are paramount. While establishing research collaborations is an important independent asset, their value should be evident by enriching the merits of the research plan. The potential for generating future extramural support is a valuable consideration; however, it is not viewed as an essential or major objective of this grant program. Indeed, proposals which focus on work that ultimately should be competitive for sustained extramural support, to develop the research theme, are not eligible for this grants program. While students, interns/residents, and fellows are encouraged to contribute to the research, the PI is responsible for the conduct and successful completion of the research work.

3. Review Criteria:
   A) Merits of the Research (60% of total score)
      a) Significance of the Problem (30%)
         Does the study address an important problem? How would the proposed work advance our knowledge? Would the outcome of this work comprise a manuscript that would be readily accepted by an excellent peer-reviewed journal in the area?
      b) Experimental Approach (30%)
         Are the conceptual framework, design, methods, and analyses of the data adequately developed, well-integrated, and appropriate to the aims of the project? Does the PI provide a basis for interpretation of results, recognize potential problems, and consider alternatives when necessary? Is the study feasible with the expertise, personnel, and resources available? What is the likelihood that the proposed work will lead to definitive results? Are there any impediments to the successful outcome of this work that are unseen by the PI?

   B) Potential for Career Enhancement (40% of total score)
      a) Investigator Qualifications: Is the investigator appropriately trained and well-suited to carry out this work? Is the proposed work appropriate to the experience of the PI and collaborators, if any? Does the PI, and collaborators, if any, have the time to commit to successful completion of this work in a timely manner? Is there evidence of good stewardship with prior grants, including intramural?
      b) Career Enhancement: How does this research advance the career development of the PI?
Is this research central to the research theme developed by the applicant? Is there evidence of continuity in research theme with previous work? Does this study provide a foundation for future work? Does the outcome of this research expand the research competency of the PI?

C) **Budget**

Is the budget reasonable and justified? Can the work be completed with the requested budget? Are there other resources committed to complete the work?

D) **Currently Active CVM Clinician Scientist Grant Awardees**

If the PI currently has a CVM Clinician Scientist Award, it is essential to provide a paragraph to describe the progress and how the goals of the previous award have been [or will be] achieved by the time this new application could be initiated, if funded.

While establishing research collaborations is an important independent asset, their value should be evident by enriching the merits of the research plan. Although great potential for extramural funding of this research theme is not an essential element contributing to the merits of this proposal, the potential for funding is viewed as contributing to the investigator's career development and, therefore, a matter worthy of consideration.

4. **Proposal Preparation:**

Proposal format corresponds to NIH style. Page limits per section are given in parentheses. The proposal, excluding abstract, budget, references, biosketch(s), vertebrate animal description, collaborator letter(s), and protocol approvals, shall not exceed 11 pages (clarity of thought is often evident in concise written presentations). Font size shall be no smaller than 11 point and 15 characters per inch (Arial or Helvetica 12 pt. is recommended). Margin size shall be no smaller than one-half inch. Proposals submitted in excess of page limits will be returned without review.

I. **ABSTRACT**

Summary/description of the project (1-2 paragraphs).

II. **DETAILED BUDGET** (Itemize by main categories). Is budget adequate to complete work; identify additional resources committed to complete.

A. Personnel: Estimate and justify time commitments. Include appropriate fringe benefits (benefit-eligible personnel = 30.37%; non-benefit-eligible personnel = 7.65%).

(Note: The Clinician Scientist Research Award does not provide support for faculty Salaries; cost-sharing NOT required.)

B. Equipment: List only equipment items related to this specific project.

C. Supplies

D. Animals: Estimate number, cost and per diem rate.

E. Miscellaneous Costs: Include services required for project, publishing costs, travel costs, etc.

III. **RESEARCH PLAN**

A. Introduction and Specific Aims (1 page)

Brief introductory remarks followed by the specific objective(s) of the proposed research.

B. Background and Significance (2 pages)
a. **Background**: Briefly review the most significant previous work and describe the current status of research in this field. Include work funded by previous CVM research grants. Discuss the importance of the proposed work as it relates to medicine and science.

b. **Rationale**: Present the rationale behind the approach to the problem and state the hypothesis.

C. **Preliminary Studies/Data** *(2 pages)*
   Note: Preliminary data is not required, but helpful when feasibility of performing the research is an issue.

D. **Research Design/Methods** *(4 pages)*. Include merits of collaborations and co-investigators, where applicable. Detail your research plan, including
   - Description of experiments, methods, and techniques to be used;
   - Anticipated results, potential and pitfalls; and
   - Means by which data will be analyzed or interpreted.

IV. **FUTURE FUNDING POTENTIAL, IF APPLICABLE** *(≤1 page)*
   State the potential for future funding.

V. **POTENTIAL FOR CAREER DEVELOPMENT** *(≤1 paragraph)*
   How does the proposed research relate to your overall research goals?

VI. **CURRENT, PENDING AND ALTERNATIVE SUPPORT**
   List any current, public or private research support (including in-house support), to which key personnel identified in the proposal have time commitments. List pending proposals under consideration or expected to be submitted in the near future. Identify proposals submitted in the past two years that were unfunded.

VII. **PRODUCTIVITY SUMMARY**
   If principal investigator has been awarded CVM research funds in the last 5 years, list publications and grant applications submitted for extramural funding -- include complete references for the publications and date, agency and title of submitted grant applications.

VIII. **SUMMARY OF COMPLETION OF CURRENT CLINICIAN SCIENTIST AWARD, IF APPLICABLE**
   If the PI currently has a CVM Clinician Scientist Award, it is essential to provide a paragraph to describe the progress and how the goals of this previous award have been [or will be] achieved by the time this new application could be initiated, if funded.

IX. **REFERENCES**
   List selected publications of yours and/or others (including those in press) which relate to this proposal.

**LETTERS OF SUPPORT**
Include letters from collaborators willing to participate in the proposed research, if necessary. (Co-investigators show commitment by signature on the Cover Page.)

**Attachments to Application:**
*(1)* Principal Investigator and Co-Investigator(s) biosketch(s) (2 pages each) for each copy of proposal.
(2) Animal and/or biosafety approvals (if available). (Funds will not be released unless approved Animal Care and Use Protocol certification statement received in Grants Office). **ONE COPY for Original Only**

(3) Completed Information Needed to Complete CRIS (Current Research Information System) Forms. **ONE COPY for Original Only**