

COLLEGE OF VETERINARY MEDICINE

CALL FOR PROPOSALS INTERNAL COMPETITIVE RESEARCH FUNDS (2023-24)

The goal of the internal PVM competitive research grant program is to support research activities that will evolve into substantial extramurally funded projects. Proposals should outline how the proposed studies fit in the investigator's research program. Preference will be given to proposals in the research focus areas identified in the PVM Strategic Plan, namely Infectious Diseases and Immunology; Cancer; Neuroscience; Musculoskeletal Biology and Orthopedics; Animal Welfare Science and Human-Animal Bond.

The PVM plans to fund proposals in each of the categories (1) Basic research; (2) Canine research; (3) Feline research; (4) Food animal/equine research¹. The project period is March 1, 2024 – February 28, 2025.

¹ Requires that at least one of the co-PIs has an approved or submitted Hatch/Animal Health project. Projects are relevant to the USDA mission. If submitted, the funds will not be released until the project has been approved.

Eligibility

The project leader must be a PVM faculty member (tenure-, clinical- or research-track). Interdisciplinary proposals with investigators from more than one department are strongly encouraged. Faculty applying for a grant in the category food animal/equine research should have an approved Hatch or Animal Health project. Submission of no more than one proposal will be accepted per principal investigator. Investigators who are currently holding PVM internal research funds are not eligible to apply for a new grant until those funds have been depleted and a final report has been submitted.

Review criteria

Proposals will be reviewed by members of the PVM Research Advisory Board (see below). Review criteria include:

1. **Significance:** Does the proposed research address an important problem in veterinary medicine/biomedical research at the state, national or global level? Preference will be given to research in one of the five PVM research focus areas.
2. **Approach:** Are the overall strategy, methodology, and analyses well-reasoned and appropriate to accomplish the aim(s) of the project? Are potential problems, alternative strategies, and benchmarks for success presented? Will the strategy establish feasibility and how will particularly risky aspects be managed?
3. **Investigators:** Do the investigators have the expertise to carry out the proposed research? For established investigators, do they have an ongoing record of accomplishments in research? How does the proposed project fit in the investigators' overall research program? Preference will be given to teams of investigators that have complementary expertise and bridge the gap between basic and clinical research.
4. **Potential for future funding:** Is the proposed research likely to generate data that will enhance the chance of success of grant proposals? Do the investigators outline plans for future funding?

Requirements upon receipt of funding

Investigators who receive internal PVM funding are expected to submit a report within 3 months after completion of the project. The report should be brief (2 pages) and include (A) summary of the research completed; (B) Significance of the findings; (C) Current and pending publications and external grants submitted and/or awarded. Include copies of accepted/published manuscripts and abstracts.

Members of the 2023-24 PVM Research Advisory Board

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PROPOSAL PREPARATION AND SUBMISSION

The deadline for proposals is **5 pm, Wednesday, November 15, 2023**. All proposals for PVM internal competitive funds must be submitted by the principal investigator as a single pdf file to the PVM Office of Research Programs (Erin Lane, VAD, Lynn Hall, Room 1177D, lane35@purdue.edu). The PVM Research Advisory Board (PVM-RAB) will complete decisional review by the end of December. Proposals that do not adhere to the following guidelines will not be reviewed.

Proposal format

1. TITLE PAGE (Appendix A)
2. PROPOSED RESEARCH. The proposal should use single-spaced 8-1/2" x 11" pages. The pages are to have a minimum of 1-inch margins on the page sides, top and bottom and type must be no smaller than size 12 font. The proposal itself (excl. title page, biosketches, budget, and references) should not exceed 5 pages.

The proposal should include the following components:

- a. Long term objective, hypothesis and specific aims.
 - b. Significance of the proposed research.
 - c. Background/literature review
 - d. Preliminary results (if applicable)
 - e. Experimental design and methods
 - f. Statement, diagram or concept map on how the proposed research fits with the investigator's overall research program. Identify agencies/sources for potential future funding.
3. REFERENCES
Each reference must include the names of authors (in the same sequence in which they appear in the publication), the article and journal/book title, volume number, page numbers, and year of publication.
 4. BUDGET
No indirect cost is allowed. The maximum amount of funding is \$30,000.

The budget categories are as follows.
 - a) Salaries and wages. Faculty salaries will not be funded. (These are considered cost sharing by the department.) Funds may be used to support technical staff, post-doctoral fellows, graduate students and undergraduate students.
 - b) Materials and supplies
 - c) Non-expendable equipment
 5. BIOGRAPHICAL INFORMATION FOR PRINCIPAL and CO- INVESTIGATORS (Appendix B)
(NOT TO EXCEED FOUR PAGES FOR EACH INVESTIGATOR)

APPENDIX A:

COLLEGE OF VETERINARY MEDICINE

**PROPOSAL FOR COMPETITIVE
PVM RESEARCH FUNDS
2023-24 Funding Cycle**

TITLE: _____

PRINCIPAL INVESTIGATOR: _____ DEPARTMENT: _____

CO-INVESTIGATORS: _____ DEPARTMENT: _____

_____ DEPARTMENT: _____

_____ DEPARTMENT: _____

- CHECK ONE: Basic research
 Canine Research
 Feline Research
 Food Animal/Equine Research

Please check *(if applying for Food Animal/Equine Research)*

Approved USDA Hatch or Animal Health project Yes No

Have you ever received funds from this program as a **Principal Investigator**? Yes No

If yes, in which years? _____

If applicable, IACUC protocol submitted _____ /approved _____

IACUC protocol #: _____

IACUC protocol title: _____

APPENDIX B:

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. DO NOT EXCEED FIVE PAGES.

NAME:

POSITION TITLE:

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	Completion Date MM/YYYY	FIELD OF STUDY

The Biographical Sketch may not exceed five pages. Follow the formats and instructions below.

A. Personal Statement

Briefly describe why you are well-suited for your role in the project described in this application. The relevant factors may include aspects of your training; your previous experimental work on this specific topic or related topics; your technical expertise; your collaborators or scientific environment; and your past performance in this or related fields (you may mention specific contributions to science that are not included in Section C). Also, you may identify up to four peer reviewed publications that specifically highlight your experience and qualifications for this project. If you wish to explain impediments to your past productivity, you may include a description of factors such as family care responsibilities, illness, disability, and active duty military service.

B. Positions, Scientific Appointments, and Honors

List in reverse chronological order previous positions, starting with the present position. List any honors. Include present membership on any Federal Government public advisory committee.

C. Contribution to Science

Briefly describe up to five of your most significant contributions to science. For each contribution, indicate the historical background that frames the scientific problem; the central finding(s); the influence of the finding(s) on the progress of science or the application of those finding(s) to health or technology; and your specific role in the described work. For each of these contributions, reference up to four peer-reviewed publications or other non-publication research products (can include audio or video products; patents; data and research materials; databases; educational aids or curricula; instruments or equipment; models; protocols; and software or netware) that are relevant to the described contribution. The description of each contribution should be no longer than one half page including figures and citations. Also provide a URL to a full list of your published work as found in a publicly available digital database such as SciENcv or My Bibliography, which are maintained by the US National Library of Medicine.