Wyoming Agricultural Experiment Station

Animal Health and Disease Research Program Proposal Guidelines

The USDA dedicates funding to increase animal health and disease research activities at accredited public or private veterinary schools or colleges through the Animal Health and Disease Research (AHDR) formula or capacity program. The amount of funds provided to each institution is determined by statutorily defined formulas, including variables such as the rural population, number of farms, and poverty. University leaders decide the specific projects that will be supported by an institution's capacity grant allotment, which must be aligned with NIFA-approved plans of work.

The purpose of the AHDR program is to increase animal health and disease research activities at accredited public or private veterinary schools or colleges, or state agricultural experiment stations that conduct animal health and disease research.

Scope of Research Allowed

The scope of the research which may be conducted with Section 1433 funds is quite broad. It includes research to promote the general welfare through improved health and productivity of domestic livestock, poultry. aquatic animals, and other income-producing animals which are essential to the nation's food supply and the welfare of producers and consumers of animal products; to improve the health of horses; to facilitate the effective treatment of, and where possible, prevent, diseases in both domesticated and wild species which, if not controlled, would be disastrous to the United States animal industries and endanger the Nation's food supply; to minimize livestock and poultry losses due to transportation and handling; to protect human health through control of animal diseases transmissible to humans; to improve methods of controlling reproduction of predators and other animals; and otherwise to promote the general welfare through expanded programs of research and extension to improve animal health.

Animal Health Research comprises basic and applied studies on infectious and noninfectious agents which impair the normal state of the animal body and/or that affect the performance of vital functions. This includes research to improve the health of domestic livestock, poultry, aquatic animals and other income-producing animals and to facilitate the effective prevention of diseases in both domesticated and wild animals which, if not controlled, would endanger the livestock and poultry industries.

Also, included is research to minimize transportation and handling losses; monitor the suitability of animals and animal products for human use; protect public health through control of animal diseases transmissible to humans and improve methods of controlling the reproduction of predators.

Studies are classified as Animal Health Research if the studies relate directly to the health of a target livestock, poultry or aquatic animal species and includes laboratory studies, research on animal care as it relates to livestock health and well-being, investigations of metabolic diseases and reproductive diseases including endocrine dysfunctions such as anestrus. Application of molecular biology to animal health problems is included.

Exclusions

Research in nutrition, if no disease is produced or under study, is not included in (Section 1433) Animal Health Research. Research on reproductive biology per se is not included. Research to improve performance is not included except as it relates to improved health. The Animal Health and Disease (Section 1433) Research Program was enacted to address health and disease problems that exist pre-slaughter or pre-collection of animal products (pre-harvest). So-called "post-harvest problems (post-slaughter or post-collection) of animal products are not included even though these are extremely important and closely related to pre-harvest problems.

Proposal Guidelines

SECTION HEADINGS – Include the following sections:

1. **Title –** The title, as clearly as possible, should reflect the objectives and scope of the project.
2. **Project Personnel –** Include names, departments/affiliations, and roles of key project personnel.

Name	Dept./Affiliation	Role
Firstname Lastname	**UW Plant Sciences**	**PI**
Firstname Lastname	**UW Botany**	**Co-PI**
Firstname Lastname	**UW Plant Sciences**	**Lab Technician**

3. **Non-technical Summary –** In lay terms, briefly describe the following (<10,000 characters):
    - the issue and why it is important,
    - your goal and objectives,
    - the target audiences and how they will benefit, and
    - how your activities lead to the outcomes described in the goal statement or objectives.
4. **Methodology (<10,000 characters) –** Describe the ways in which the project will be conducted, with emphasis on the general scientific methods and any unique aspects or significant departures from usual methods.
5. **Research Effort Categories (must total 100%):**
    - Basic _____%
    - Applied _____%
    - Developmental _____%
6. **Classifications (Please see Manual of Classification for assistance). Please note, you can enter multiple lines and variations of KA, SOI and FOS). Must total 100%.**
    - Knowledge Area:
    - Subject of Investigation:
    - Field of Science:
    - Percentage:
7. **Are Human subjects involved? If required, approval/exemption must be received before the project can be submitted to NIFA.**

- If “No”, proceed to next question
- If “Yes”, is the project exempt from Federal regulations?
    i. If "No", enter IRB approval date (Date entry or Calendar picker icon)
    ii. If “Yes”, select the appropriate exemption number (1-6).

8. **Are Vertebrate Animals Used?**
    - If “Yes”, what is the IACUC Approval date

SUGGESTED PEER REVIEWERS – Your project will be sent for external peer review, and you will be asked to address peer reviewer comments. To speed up this process we ask you to provide a list of five suggested reviewers, including contact information with your submission.

Submit your completed proposal to aes@uwyo.edu. If you have any questions, please contact the Wyoming Agricultural Experiment Station at aes@uwyo.edu or 307-766-4223.