IOWA STATE UNIVERSITY

20221010

**A**griculture **E**xperiment **S**tation (AES) **Hatch, Animal Health Project Proposal**

Project No.: TBD

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|  |

1. Title:

2. Personnel: Signatures\* (see footer)

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| --- | --- | --- | --- | --- | --- | --- |
| *Project Director* | *Email* | *Department* |  | |  | |
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| *Co-Project Directors* | *(Add lines as needed)* |  | |  | |  |
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3. Administrative Approval: Date

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| --- | --- | --- |
|  |  |  |
| Department chair/head |  |  |
|  |  |  |
| Iowa Agriculture and Home Economics Experiment Station  Dr. Carolyn Lawrence-Dill - [triffid@iastate.edu](mailto:triffid@iastate.edu) |  |  |

**Multistate:** Is this a multistate activity ([AREERA Section 104 and 201](https://www.nifa.usda.gov/agricultural-research-extension-education-reform-act-1998))?

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|  | No |  | Yes | If yes, please provide the Project number and title |
|  |  |  |  | Project #: Title: |

**Research oversight:** the purpose of the review committees below is to review and approve all relevant proposals to ensure that they follow University, local, state, federal, and funding agency regulations for research. Before a proposal is initiated with [NIFA](https://www.nifa.usda.gov/), it will be reviewed by the [Office of Research Ethics (ORE)](https://www.compliance.iastate.edu/) to verify appropriate research compliance committee oversight is in place and they may reach out to you for clarification regarding your proposal. For detailed information, visit the ORE [website](https://www.compliance.iastate.edu/) or [contact](https://www.compliance.iastate.edu/about/contact-us) them directly.

4. Does this project involve human subjects?

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|  | No |  | Yes | Provide the date of one current [IRB](https://www.compliance.iastate.edu/committees/irb) approval that covers this research: |  |

1. Does this project involve the use of living vertebrate animals (other than humans)?

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|  | No |  | Yes | Provide the date of one current [IACUC](https://www.compliance.iastate.edu/committees/iacuc) approval that covers this research: |  |

1. Does this project involve biohazards, transgenic animals, or recombinant DNA?

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|  | No |  | Yes | Provide the date of one current [IBC](https://www.compliance.iastate.edu/committees/ibc) approval that covers this research: |  |

1. Are radioactive materials involved?

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|  | No |  | Yes | Provide the date of one current [RSC](https://www.compliance.iastate.edu/committees/rsc) approval that covers this research: |  |

**Land buildings and facilities:**

1. Will this project use land/buildings/facilities at the [Iowa State Research and Demonstration Farms](https://farms.cals.iastate.edu/)?

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|  | No |  | Yes | If yes, please list the resource(s) you will use (if known) | |
|  |  |  |  | and contact the farm’s [Coordinator](https://farms.cals.iastate.edu/staff-directory) | |
| Resources(s) you will use: | | | | |  |

**Research proposal:**

*Use the format below to complete the proposal. This proposal should be detailed enough to give project reviewers a clear picture of the work being undertaken.*

9. **Goals and objectives (list)**

Objectives should be clear, specific, and attainable within the duration of the project (maximum of 5 years). Present the objectives as a numbered list. Two to four is usually the right number of objectives for most projects. Do not give sub-objectives here.

10. **The issue and why it is important** (suggested length, < 3 pages)

A. *Purpose*: briefly state the purpose of the proposed research. What problem is being addressed? Why is this research necessary? Give a strong justification to support conducting the proposed research.

B. *Previous Work and Present Outlook:* What is the state of the science? Summarize the most important previous and current work (literature and unpublished studies) relevant to the proposed activities. Do not limit yourself to, but also do not exclude, your own work. Indicate the unique contribution to the chosen field that your proposed research will make. It may be helpful to break down this section by objective.

11. **Impact** (summary of **public value** achieved by research)**:**  
What will be the anticipated economic, societal, social, scientific and/or environmental impact of this work? What are indicators of the successful impact of this project? It may be helpful to break down your response by objective, answering all the questions for each objective.

12. **Target audiences:**

Describe your target audiences and how they will benefit:

13. **Methodology and procedures** (suggested length, 2 pages)

First, give the general design of the project. Describe the methods that will be used to meet the objectives. Detailed protocols should only be given for the initial stages of the investigation; later stages may be described in a more general manner. Note critical decision points at which selection from multiple options for project direction will be made. If your personal expertise in the research protocols cannot be illustrated by citing your own published research, then describe the procedures in sufficient detail to demonstrate to reviewers that you are thoroughly familiar with the appropriate, proposed procedures. Describe the methods by which the results will be analyzed. Consultation with statisticians can be of great assistance in project design and choice of appropriate statistical analysis methods. State the potential pitfalls of your project, and how you will resolve them. It may be helpful to break down this section by objective.

14. **Cooperation**

List any other ISU or non-ISU scientists or agencies that will be involved, with a brief statement describing their role in the project. ISU researchers with a major role in the project should not be included in this section but should be listed on the signature page as co-PIs.

15. **Coordination (1 paragraph)** – (umbrella projects)

Briefly describe how the various PIs will coordinate the research described and reports required by NIFA.

16. **Proposed date of completion or revision**

Not to exceed 5 years from date of project approval. Specified start date should be no less than 60 days after the date of submission to the Experiment Station, to allow sufficient time for the review and revision process.   
The start date is contingent upon the approval of the project by NIFA, and research should not begin until the project has been approved.

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| Preferred Start Date: |  | Preferred End Date: |  |

17. **Literature Citations**

List all references cited in the proposal. Use any standard format for presenting complete citations, including titles. All references should be in the same format (your choice of style) include a linked DOI.

18. **Contributed Effort**

Provide a list of estimated total Scientific Year (SY) effort proposed for the project.

* Enter percentages for each PD and co-PD as values < 1.0, where 1.0 = 100% calendar year.

For example, 0.1, would be about 5 weeks annually contributed to this research effort.

* When unsure, enter 0.1 in the SY field. This is not tied to salary, it’s only an estimation of effort.

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| PERSONNEL | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| Project Directors |  |  |  |  |  |
|  |  |  |  |  |  |
| Co-Project Directors |  |  |  |  |  |
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| Total estimated SYs |  |  |  |  |  |

19. Curriculum Vitae (optional)

If Project Directors CVs are posted online, please paste the URL below. Otherwise copy/paste below this section or attach a file in your reply email to aes\_research@iastate.edu.

Name:

URL:

19. **Proposal Reviewers:** \*\* Not required for multistate projects.

Contact information for three to four on-campus reviewers (not limited to your Department or CALS faculty) qualified to evaluate all or part of the content of the proposal, **who have agreed to review your project**.

After communicating with the reviewers, including asking them about their availability within the near term, please list them in order of higher to lesser availability below.

On-campus reviewers, that have agreed to review this proposal:

1. Name:  
   E-mail:  
   Date contacted:
2. Name:  
   E-mail:  
   Date contacted:
3. Name:  
   E-mail:  
   Date contacted:
4. Name:  
   Telephone:  
   Date contacted: