

**Institutional Animal Care and Use Committee Proposal
Elmhurst University**

Please enter your responses to the following items. Email all documents to irb@elmhurst.edu.

1. Project Details

Project Title:

Principal Investigator(s) (faculty):

Department(s):

E-mail:

Principal Investigator(s) (students):

Department(s):

E-mail:

Project Start Date:

Projected End Date:

A. Is this project EXTRAMURALLY FUNDED? Yes No

Funding Source:

B. Is this project INTERNALLY FUNDED? Yes No

Funding Source:

2. **Type of proposal:** Original Proposal Revised Proposal

3. Animal Requirements:

Genus:

Species:

Strain, subspecies or breed:

Common name:

Age, weight or size requirements:

Sex:

Source(s):

4. **Describe overall intent of study in Lay Terms.** *Include your hypothesis, objectives, significance of the study, and relevance to human/animal health and/or general knowledge.*

5. **Rationale and purpose of the proposed use of vertebrate animals:** *Include reasons an animal model is necessary. (Consider less-invasive procedures, other species, isolated organ preparation, cell or tissue culture, or computer simulation)*

6. **Justification of the species and number of animals requested:** *Whenever possible, the number of animals requested should be justified statistically. Please categorize by USDA Pain and Distress Categories. Any category E animals must be thoroughly explained.*
 - *Category B: No pain or distress. Animals kept for breeding or holding in a colony.*
 - *Category C: No more than momentary or slight pain or distress, no use of anesthetics.*
 - *Category D: Pain or distress relieved with anesthetics, analgesics and/or tranquilizer drugs or other methods for relieving pain or distress.*
 - *Category E: Pain or distress or potential pain or distress that is not relieved with anesthetics, analgesics and/or tranquilizer drugs or other methods for relieving pain or distress.*

7. **Experimental design:** *Describe experimental course of an animal from start to end of the study.*

8. **Animal identification methods:** *Please include all methods of identification that will be utilized.*

9. **Housing location:** *Include all locations where the animals will be housed, including building and room numbers.*

10. **Samples/Information to be collected and methods of collection:** *Include detailed information on collection process including analgesia/anesthesia/sedation, methods of restraint, tools used in collection and aftercare post-procedure. This should include all instances of sample/information collection from routine exams/observation to more invasive procedures. If surgical procedures are performed include methods of prepping, monitoring, anesthesia/analgesia, qualifications of personnel, duration and detailed procedural descriptions. For blood collection include volume, frequency of sampling and collection sites.*

11. Drugs to be utilized on the animals during the study. *Anesthetics, analgesics, tranquilizers, neuromuscular blocking agents, and therapeutic drugs should be defined. All drugs used should be pharmaceutical grade, if they are not please indicate this and explain your justification.*

Drug	Procedure	Dose (mg/kg)	Volume	Route	Frequency/Duration	Controlled substance?

12. Radioactive or biohazardous materials to be utilized during the study. *For each radioactive or biohazardous agent (including, but not limited to: X-rays, fluoroscopy, infectious agents, select agents, mutagens, carcinogens, recombinant DNA, the use of nonhuman primates, the use of human or nonhuman primate tissues or cell lines in animals, etc.), list the dose, route, and frequency of administration for each agent. Please put only one agent per line.*

Agent	Dose per kg body weight	Route of Administration	Frequency of Administration

13. Training and experience of personnel in the procedures used. *Include names, email addresses and training or previous qualifications of any personnel to be conducting procedures and monitoring the animals.*

14. Potential hazards to humans and personal protective equipment (PPE) that will be utilized by anyone working with animals:

15. **Description of how animals will be monitored and cared for while on site:** *Any food/water or other restrictions required at any point during the study must be explained and minimum amounts offered should be established. Indicate who will be responsible for maintenance.*

16. **Veterinary care:** *Guidelines on how the animals will be monitored for general health should be included to determine if veterinary attention is required. Indicate plan of action in cases of animal illness.*

17. **Detailed explanation of housing and husbandry requirements along with any special requirements:**

18. **Criteria and process for timely intervention, removal of animals from a study, or euthanasia if painful or stressful outcomes are anticipated.** *Describe any expected adverse effects of procedures. Consider appropriate humane endpoint criteria such as body weight gain/loss, behavioral, inability to drink/eat or thrive etc.*

19. Method of euthanasia or end result of animal. Indicate methods to ensure the animal is dead prior to further processing or disposal.

20. Supporting literature: *Provide names of 2+ databases searched to prevent duplication of experiments, alternatives to the procedure you intend to use and alternatives to using animals for similar research. The goal is to prevent unnecessary conduction of procedures that cause more than slight pain/distress in animals. Consider REFINEMENT to reduce/eliminate pain, REPLACEMENT with non-animal model, and REDUCTION in number of animals used. Include database name, date of search, years covered by search and key words used when searching.*

I have read the policy and procedures of Elmhurst University's IACUC and agree to abide by it. I agree to post a contact form in all animal rooms containing contact information for investigator, all personnel involved, and information on animal requirements and care. I also agree to report any significant and relevant changes in the procedures and instruments to the Board for additional review.

Principal Investigator Signature:

Date:

Faculty Advisor (if student PI) Signature:

Date: