

**Institutional Animal Care and Use Committee (IACUC)
California State University, San Bernardino (CSUSB)**

Application to Use Animals for Research or Teaching

The IACUC must review and approve any proposed use of animals. To facilitate the review process, please answer all necessary questions completely and submit electronically to the Chairman of the IACUC.

1. **Title of the project:**

2. **Principal Investigator:**

Department:

Extension:

3. **Project Period:** begin: _____ end: _____

4. **Faculty Advisor** (if PI is a student):

Department:

Extension:

5. **Co-Investigators/Technicians/Students**

Department:

Extension:

Department:

Extension:

Department:

Extension:

6. **Training Records** for those handling animals are on file at the Vivarium for the following:

7. **What is the objective of the proposed use of animals** (i.e., *teaching basic cardiovascular physiology to students or to study the development of receptors in the substantia nigra of the rat brain*):

8. **The following information is required by law.** [9 CFR Ch 1 Part 2 Subpart C 2.31(d)(ii) and (iii)]:

a. **What method(s) did you use to determine if alternative models were applicable** (i.e., what literature search(es), such as the data bases at the National Agriculture Library or the National Library of Medicine, did you perform)?

b. **How did you determine that the proposed work does not unnecessarily duplicate previous work?** (If this is a teaching project, so state; likewise state if you need to repeat previous studies.)

9. **Please provide a concise description of the proposed work.** Include sufficient detail to permit evaluation of the protocol, and address the following:

a. **Rationale for using animals the species used, and the numbers used.**

b. **Specific aims.**

c. **The design of the study**, including the total number of animals and the number in each experimental and control group.

d. **How the data will be analyzed or tested statistically.**

10. **Please provide the following information under “pain classification”:**

“A” for procedures which involve no pain or minimal transient distress to the animals (i.e., most nutritional studies, or a study where there are merely injections of a non-painful solution).

“B” for procedures where possible pain or distress is controlled by the appropriate use of anesthetic, analgesic, or tranquilizer drugs (i.e., most surgical studies, or the use of a tranquilizer for blood sampling).

“C” for studies where there is likely to be significant pain or distress which cannot be controlled by the use of pain relieving drugs (i.e., pain studies or experiments where the use of drugs would negate the objective).

Pain Classification	Species	Strain	# for study	Gender	Source
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11. **Please answer the following questions for any section of the proposed work where there will be significant unavoidable pain or distress which cannot be relieved by the use of analgesics, tranquilizers, or anesthetic (Pain Classification “C” in Question 10 above):**

a. What is the scientific justification for the proposed procedure(s)?

b. Have you consulted with the Attending Veterinarian during the planning of this study? If not, please explain:

12. Will animals be subjected to prolonged restraint (i.e., rats in tethers) or housed in cages which do not meet the requirements of the NIH Guide for the Care and Use of Laboratory Animals (“Guide”)?

Yes No

If so, please describe:

a. Type of restraint:

b. Duration of restraint:

c. Scientific justification for the procedure:

13. Are surgical procedures to be performed in the study? Yes No

If so, please fill out the Surgical Procedure Form.

14. Are invasive procedures used for the collection of tissue or body fluids from live animals?

Yes No

If so, please describe:

a. Tissue or fluid to be collected:

b. Amount(s) to be collected:

c. Method or route to be collected:

- d. List any drug such as a tranquilizer used to facilitate collection (give dosage and route of administration):

15. Will animals be maintained in a laboratory or other area outside the Vivarium for more than twelve hours? Yes No

If so, give the building and room number:

Who will provide husbandry and veterinary care:

Justification:

16. In compliance with PHS policy, CSUSB has a policy for environmental enrichment. Individually housed animals will be provided with enrichment unless the PI provides scientific justification for no enrichment. Do you wish to exempt individually housed animals in this experiment from environmental enrichment? Yes No

If so, please provide scientific justification:

17. Are hazardous agents such as radioisotopes, infectious agents, mutagens, or other toxic substances used in the proposed study? The Principal Investigator is responsible for contacting the Environmental Health and Safety Office at x75179 regarding CSUSB's policies and procedures on the use of hazardous agents. Yes No

If yes, please answer the following:

- a. List the agent(s):

18. **Are any test substances, other than the hazardous agents described in question 16, used in the study?** Yes No

If so, please describe:

a. Test substance:

b. Dosage and route of administration:

c. Expected result of administration:

19. **Are controlled substances (i.e., narcotics or barbiturates) used?** If so, please describe the security arrangements, and who will be responsible for their use and record keeping.

Yes No

20. **Are the animals euthanized at the end of the study?** Yes No

a. if not, please describe the means of disposal or further use:

b. If so:

(1) Describe the method of euthanasia. Give the dosage and route of administration if a chemical agent is used.

(2) Who will perform this task and what is their training and experience?

(3) Does the procedure comply with the recommendations of the *AVMA Guidelines for the Euthanasia of Animals: 2013 Edition*?

Yes No

If not, please justify:

21. Please state in lay language the potential contribution that this work will provide:

22. Declaration by the Principal Investigator:

- a. I affirm that to the best of my knowledge the information provided in this application is complete and accurate.
- b. I will seek approval from the CSUSB IACUC before I implement any significant changes in the protocol.
- c. I will ensure that all personnel handling animals are adequately trained in the handling and restraint of all species used as well as in the proposed experimental procedures and the applicable sections of the Animal Welfare Act. I will contact the Animal Health Technician at the Vivarium for any training or assistance required.
- d. In compliance with the Animal Welfare Act, I will instruct all personnel to inform me at once if they have concerns about the welfare or the treatment of any of my laboratory animals. If the situation is not resolved, I will advise the employee to contact the Attending Veterinarian of the Chair of the IACUC, who will investigate the concern and refer the employee if the situation is still not resolved.

Signed:

Date:

Signed:

(faculty advisor for student project)

Date: