

NIH VERTEBRATE ANIMALS TEMPLATE (as of Jan 25, 2016)

- 1) *No page limit*
- 2) *Must address the 5 points outlined below*
- 3) *Margins in all directions must be at least .5 inch*
- 4) *Acceptable Typefaces:*
 - *Arial, Garamond, Georgia, Helvetica, Palatino Linotype, Times New Roman, Verdana and others that meet NIH type and density requirement*
- 5) *Text must be black except for headers, footnotes, figures, graphics, diagrams, charts and tables)*

The Center for the Health Sciences vivarium is part of the UCLA AAALAC-accredited program and is an established centralized animal research facility on the UCLA campus. All animal facilities at UCLA are maintained by the Division of Laboratory Animal Medicine (DLAM) who reports to the Institutional Official, James S. Economou, Vice Chancellor for Research at UCLA.

NOTE: Address sections 1-4 for every type of animal that will be utilized (i.e. primates AND mice)

1. Description of Procedures.

- *Provide a concise description of procedures to be used.*
- *Identify the species, strains, ages, sex, and total numbers of each type of animal to be used.*
- *If dogs or cats are to be used, provide source of the animals*

2. Justifications.

The UCLA vivarium provides an optimal environment in which to conduct studies with monkeys because of the unique facilities (including BSL-2 level operating room and imaging facility) as well as a large number of expert personnel available.

- *Justify the choice of species as appropriate to the project*
- *Explain why alternative models cannot be used*

3. Minimization of Pain and Distress

Physical and chemical restraint will be used. All possible anesthetics and analgesics are administered under the direction of an experienced UCLA veterinarian. At all times, strict attention will be paid to the management of any pain or distress any animal may be experiencing under this study.

- *Describe all interventions to be used to minimize pain and distress*
 - *This can include: analgesia, anesthesia, sedation, palliative care, human endpoints to minimize discomfort, distress, pain and injury.*

4. Euthanasia.

- *If chosen method of euthanasia is consistent with AVMA recommendations:*

The method of euthanasia is consistent with the recommendations of the American Veterinary Medical Association (AVMA) Guidelines on Euthanasia.

Optionally add: All of these methods are well-established UCLA standard operating procedures (SOPs), many of which are reviewed and approved by the UCLA Institutional Animal Care and Use Committee (IACUC). In all studies, we conform to the recommendations for animal use and welfare as set forth by UCLA, DLAM, and the guidelines from the NIH. Institutional approval for the animal experiments is pending. The Federal Animal Welfare Assurance number for UCLA is A3196.

- *If chosen method of euthanasia is NOT consistent with AVMA recommendation:*
 - *Describe method*
 - *Provide scientific justification.*