

JUN 16 2017

College of Natural Resources & Sciences
Humboldt State University

HUMBOLDT STATE UNIVERSITY

INSTITUTIONAL ANIMAL CARE AND USE PROTOCOL FOR THE HUMANE CARE AND USE OF LIVE VERTEBRATE ANIMALS

**This box is for the review of the use by the Institutional Animal Care and Use Committee.
Authors should not write or type inside the borders of the box.**

Date 1st Received: 6/6/17 Revision 1 Date: 6/13/17 Revision 2 Date: 6/16/17 No. 16/17.W.96-1A

- E- Procedures are exempt from full IACUC review because they are purely observational, non-invasive, and produce no perceptible discomfort or they concern only the use of tissues from dead animals. To be considered exempt, tissues from dead animals must be obtained from animals euthanized or otherwise killed by means, and for purposes, unrelated to the proposed project. The procedure may be approved by the Chair one additional member of the IACUC.
- A- Procedures will be minimally invasive or produce relatively little discomfort. Protocols may involve, bleeding, injections, minimal sampling, anesthesia or humane euthanasia without prior invasive manipulation. The procedure may be approved by the Chair and two additional members of the IACUC. Project topics will be reviewed by the IACUC at the next scheduled meeting.
- B- Procedures will involve prolonged manipulation or be invasive. Protocols may involve surgical or other stimuli inducing pain or distress, but all pain or distress will be mitigated with appropriate anesthetics or analgesics. The procedure may be initially approved by the Chair, the Campus Veterinarian and one additional member of the IACUC. Protocols will be reviewed by the IACUC at the next scheduled meeting.
- C- Procedures will be invasive and may cause prolonged physiological or psychological stress. Pain, considerable distress, or discomfort may be induced and not mitigated by anesthesia or adequate analgesia (e.g. LD50 experiments, long-term food or water deprivation, etc.). These protocols will be reviewed thoroughly by the IACUC prior to commencement of the project.

Requires Health Assurance Yes No

Richard D. Brown 6/15/17
Signature, IACUC Member Date

Approved Denied

Quintelle Jean Dretchen Ziesler 6/15/17 - email approval
Signature, IACUC Member Date

Approved Denied

Signature, Campus Veterinarian (if necessary) Date

Approved Denied

Fred Johnson 6-16-17
Signature, IACUC Chair Date

Approved Denied

Final Committee Decision. All protocols must be approved prior to the start of research.