

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC)
CALIFORNIA STATE UNIVERSITY, BAKERSFIELD
9001 Stockdale Highway, Bakersfield, CA 93311-1099

MINUTES OF MEETING

Friday, 25 April 2003

Old Pub/Runner Café

Members Present:

Scientific Concerns: David Germano, Todd McBride, Steve Suter

Non-Scientific Concerns: Andrew Troup, Jane Granskog

Safety & Risk Management: David Merritt

Community Issues: Debby Kroeger

Members Absent:

Mylon Filkins, Martin Murdock

Visitors:

Grant Hurlburt for Review of Protocol 03-01

Carol Raupp, Professor of Psychology

Robert Sokol, Psychology Student

Meeting was called to order by Chair Steve Suter at 1:00 PM.

PREVIOUS MINUTES:

Granskog moved and Germano seconded, a motion to approve the minutes for the IACUC meeting of 11 October 2002. The motion was approved unanimously, with 6 "aye," 0 "nay," and 0 "abstentions."

ANNOUNCEMENTS:

David Merritt is the new interim CSUB Safety and Risk Management Officer. Susan Jones is the new front office person in the Graduate Studies and Research office.

There was a reminder to post the necessary items dealing with registration of concerns about possible violations of IACUC protocols.

Because of the addition of a protocol that was not in the agenda and the necessity to inspect the Animal Facility at 2:30, the New Business items would not be addressed in the order listed on the agenda.

OLD BUSINESS: none

NEW BUSINESS:

Proposed New Risk Assessment Screening Procedures. The IACUC had decided to adopt some kind of "pre-screening" questionnaire for persons who will have extensive contact with animals instead of the present routinely-required full physical exams. Merritt discussed approaches used by several other institutions, each of which has desirable elements. The general approach is to provide a check-off form that would be self-scored with certain "risk factor" items that would suggest

[IACUC minutes, 4-25-03, p. 2]

consultation with a physician, which the CSUB Health Center would do without charge. The person would then make an informed decision about having contact with animals. Questionnaire responses would remain confidential to the respondent. There was discussion about who would need to fill out the questionnaire and that a "sign-off" receipt would be desirable to show that the person had been informed. It was noted that a list of chemical agents used in the Animal Facility should be posted. The pre-screening questionnaire should be added to the Psychology 301Lab syllabus, in which animals are used, and the pre-registration list of students should be notified in advance. There was a discussion about whether a procedure along the lines discussed was "overkill."

Granskog moved and Kroeger seconded a motion to table this item and bring to the committee a specific screening device with specific procedures. The motion was passed with 6 "yes," 0 "no," and no "abstention."

Animal Facility Tracking Sheet. The IACUC policy is that each animal should be tracked from acquisition to final disposition. A mechanism for accomplishing this is needed. Dr. Sumaya, Animal Facility Director, prepared two tracking forms: (a) Arrival Form and (b) Transfer of Animals Form. The Arrival Form would provide Animal Facility personnel with information about impending arrivals, the source of the animals, special instructions. The second form would track transfer of animals from one protocol to another or between investigators. It was noted in discussion that the Arrival Form should include a section to record the ID#s assigned to the animals.

Granskog moved and Germano seconded a motion to approve these forms, with the understanding that Animal Facility Director is authorized to modify the forms as needed to accomplish the tracking policies of the IACUC. The motion was passed with 6 "yes," 0 "no," and no "abstention."

Online Training of Persons Using Animals. A trial version of the online training program adopted by the IACUC is available. Several committee members had reviewed all of the materials and noted that the modules on the rat, surgery, and anesthesia/analgesia seemed thorough and appropriate. The Chair noted that some of his formatting and editing had been lost when these pages came up online. The exams on the modules were not yet up. It was decided that the Chair should re-work the materials and have the committee members review them again.

Formal Closures: none.

Request for Renewals: none.

Protocol Reviews:

New Protocol 03-01 (Grant Hurlburt, Biology) "Metabolic Rate and Brain Size in Four Lizard Species"

Dr. Hurlburt provided a summary. The body X brain mass relationship varies between mammals, birds, and reptiles. There are organic differences between warm-blooded and cold-blooded species. Metabolic rate data exist for some lizard species, including those to be studied here, but there are no

brain mass data. If there were more data on body X brain X metabolic rate in lizards, it might be possible to make better inferences about metabolic rates of dinosaur species of special

[IACUC minutes, 4-25-03, p. 3]

interest. Up to 10 lizards from each of four species will be collected. Metabolic rates at six ambient temperatures will be determined. Up to three members of each species will be sacrificed for measurement of organs, including brain mass.

Q: Where will the lizards be collected. **A:** Collection will be guided by Germano, with care taken not to depopulate an area of a species.

Q: Will the animals be marked? **A:** Yes, they will need to be identified using a magic marker. This will only need to last for a few days.

Q: Where will they be released? **A:** They will be returned to where they were originally captured.

Q: Where will they be kept? **A:** They will be kept either in the Science Stockroom or in a locked biology lab room.

Q: What will they be fed? **A:** They are aperiodic eaters and thus will not be kept long enough to require feeding.

Q: How will they be captured? **A:** They will be apprehended using dental floss nooses.

Q: How will you select which lizards to euthanize? **A:** The biggest examples will be selected to ensure that the body X brain relationship has stabilized with growth and males to eliminate presence of eggs as part of body mass.

Q: Is there a minimum number of each species that is essential? **A:** Probably five would yield useful metabolic rate data.

Q: If they have been fasting for seven days, might a send-off meal be desirable? **A:** One needs to be careful about possible pathogen exposure in feeding wild species. A cricket could be introduced to the cage for an ad lib snack at the end.

Q: Who will catch them? **A:** Germano.

Q: Will they be housed individually? **A:** They will be separated by species. Some lizards will be housed individually depending upon the behavior of that species, guided by Germano.

Q: Is it possible to scan organs and get estimates of mass in a non-invasive fashion? **A:** No, resolution is not good enough for such small brains.

Q: Are there any data on release mortality? **A:** Because these are wild-reared animals, there should be few problems.

Q: How will they be euthanized? **A:** Barbiturate injection.

When there were no additional questions, the investigator and visitors were excused. The protocol was discussed and conditions of approval were adopted.

[IACUC minutes, 4-25-03, p. 4]

Troup moved and Granskog seconded, a motion to **conditionally approve Protocol 03-01** for one year. Germano abstained from the vote. The motion was passed with 5 "yes," 0 "no," and 1 "abstention." The conditions of approval were:

1. Capture geography will be guided by efforts not to depopulate areas.
2. Marking of individuals will be done with magic markers.
3. Individual animals will be released where they were captured.
4. Animals will be kept in the Science Stockroom or a locked biology lab room.
5. Animals will be housed individually as advisable given known species behavior.
6. Animals will be offered a live cricket send-off meal.
7. Euthanasia will be by cooling followed by intra-peritoneal barbiturate injection.

AREAS OF CONCERN: none

BI-ANNUAL INSPECTION OF ANIMAL FACILITY:

The members of the IACUC walked to DDH and inspected the Animal Facility in H-100. Isabel Sumaya, the Director of the Animal Facility, and Bob Sokol, animal caretaker, were present. Materials were posted as required for registering concerns about possible violations of IACUC protocols. A broken wall tile was noted that needs to be repaired. Required MSDS sheets for cleaning agents will be posted in the Animal Facility.

NEXT MEETING:

Friday, 13 June 2003 - "Old Pub"
12:30 p.m. - Lunch
1:00 p.m. - Meeting

ADJOURNMENT:

There being no further business, the meeting was adjourned at 3:25 PM. (Granskog moved, McBride seconded, approval unanimously).

Training of IACUC Members:

Review of the online training materials was considered to be the training activity for this meeting.

Respectfully Submitted,
Steve Suter