

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

MINUTES OF MEETING

28 September 2001

Old Pub/Runner Café

Members Present:

Veterinarian: Mylon Filkins

Scientific Concerns: David Germano, Todd McBride, Steve Suter

Non-Scientific Concerns: Andrew Troupe, Jane Granskog

Community Issues: Debby Kroeger, Martin Murdock

Members Absent:

Safety/Hazardous Materials: Barbara Brenner

Visitors:

Ginger LeBlanc for Review of Protocol 01-02 and Protocol 01-03

Janice Chavez, Interim Dean, Graduate Studies and Research

Carol Raupp, Professor of Psychology

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

ANNOUNCEMENTS:

Dean Chavez announced that a CSU audit of the CSUB Foundation is presently underway and summarized the focus of the audit and the activities being reviewed. The members of the IACUC could be contacted and were encouraged to provide any information requested.

Suter announced that Todd McBride had joined the IACUC and that Ken Gobalet had left. The IACUC orientation booklet that was given to Todd was available to other members if they wished.

PREVIOUS MINUTES:

Murdock moved, and Filkins seconded, a motion to approve the minutes for the IACUC meeting of Friday, 15 June 2001. The motion was approved unanimously, with 6 “aye,” 0 “nay,” and 0 “abstentions.”

Andrew Troupe arrived.

OLD BUSINESS:

1. The Chair reported that over the summer the floor had been re-surfaced in the Animal Facility to hopefully eliminate the chronic problem with chipping paint.

2. The Chair summarized the activities over the summer of the Germano-Kroeger-Suter subcommittee exploring the proper relationship of IACUC and the CSUB Facility for Animal Care and Treatment (FACT) and called members' attention to Attachment B, the report and

recommendation of the subcommittee. *Treatment and rehabilitation* of animals at similar facilities is not reviewed by IACUCs (just as treatment of humans at a university hospital would not be reviewed by their IRB). Involvement of students at CSUB is incidental to the treatment of the animals. The following recommendations were made:

1. Any research associated with FACT should be evaluated and approved by the IACUC.
2. Emergency treatment and rehabilitation of animals at FACT, including any educational aspects, need not be monitored by the IACUC, following the reasoning developed above.
3. Surviving animals that cannot be released and are kept at FACT and used for educational purposes live under conditions specified by two permitting agencies, the U.S. Department of Fish and Wildlife and the California Department of Fish and Game, and therefore need not be monitored by the IACUC.

The recommendations were approved unanimously, with 7 “aye,” 0 “nay,” and 0 “abstentions.”

NEW BUSINESS:

Formal Closures:

Authorization for the following protocol will expire prior to the next IACUC meeting and the investigator has been sent the "heads-up" closure announcement.

98-04 (J. Deegan) "Principles of Learning: A Class In the Proper Use of Animals and Behavioral Training" (to expire end of Fall Quarter, 2001)

Granskog moved, and Germano seconded, a motion to close the protocol at the end of Fall Quarter, 2001. The motion was approved unanimously, with 7 “aye,” 0 “nay,” and 0 “abstentions.”

Request for Renewals:

[none]

Protocol Reviews:

New Protocol 01-04 (T. McBride) "Measurement of Rat Metabolism"

Dr. McBride provided a brief summary. New, more sophisticated equipment has been purchased that enables better quantification and range of species, including invertebrates, and continuous supply of air within the chamber. The types of student projects involved were discussed. A dialog followed:

Q: How does the instructor monitor the projects? **A:** A proposal must be submitted and approved by the instructor.

Q: How many chambers are there? **A:** Three, each of a different size.

Q: The explanation of the euthanasia is not clear. Sounds like a combination of lethal and non-lethal injections. **A:** It's a single, lethal injection.

When there were no additional questions, the investigators and visitors were excused.

It was decided to conditionally approved Protocol 01-04 with the following conditions attached:

1. The student projects conducted must not exceed Level 3 (protocols that cause little pain or stress to vertebrate species) of the Orlan/Shapiro & Fields scale and Level 1 (none or minor potential level of pain, no pain relief required, and none or minor pain perceived) of the USDA pain classification.
2. At the end of the authorization period and prior to a request for a renewal, a list must be submitted showing: (a) the courses taught whose activities fall under this protocol and (b) a description of each student project carried out in these courses.

Murdock moved and Granskog seconded, a motion to **conditionally approve Protocol 01-04** for one year. The motion was passed with 6 “yes,” 0 “no,” and 1 “abstention.”

New Protocol 01-02 (G. LeBlanc) "Psychology Course 301L: Principles of Learning Laboratory"

Dr. LeBlanc provided a brief summary of the lab assignments involved in this protocol. All involve using food reward to study various learning or behavior modification phenomena in rats that are under carefully monitored food deprivation conditions. Specific examples of these assignments were described. A dialog followed:

Q: Can the animals be used as food for FACT raptors after the course is over? **A:** The approved methods of euthanasia make the dead rats unsuitable for consumption.

Q: Are the assignments duplications of procedures that have already been carried out? **A:** Yes, these assignments deal with well-established phenomena. [Here, it became clear that the IACUC Protocol Review Form should be modified to distinguish more appropriately between research and teaching protocols. Kroeger, Murdock, and Suter will work on this.]

Q: Who supervises the students' interactions with the rats? **A:** The PI and teaching assistants. Training and monitoring was described in some detail.

Q: Could students use a computer simulation program as alternatives to the rat assignments if they wished? **A:** No. [A lengthy discussion followed which is not reproduced here because, in the end, the IACUC concluded that the question of making alternative assignments available within this course did not fall within the purview of the IACUC.]

When there were no additional questions, the investigator and visitors were excused.

Murdock moved and Germano seconded, a motion to **approve Protocol 01-02** for one year. The motion was passed unanimously, with 7 “yes,” 0 “no,” and 0 “abstentions.”

New Protocol 01-03 (G. LeBlanc) "Stimulus Class Formation in Rats: Differential Response Requirement Using the Symbolic Matching-To-Sample Task"

Dr. LeBlanc provided a brief summary, indicating that the scientific focus is on rats' ability to acquire non-reinforced "relationships." The paradigm will involve rats choosing a stimulus that matches a sample set to which they have been previously exposed. This has been done with

different types of stimuli, but the investigator wants to investigate the phenomenon in the context of different types of responses. She is studying what looks like a type of "concept learning." A dialog followed:

Q: It seems that the scientific value is the focus of this. **A:** Yes, it's a research project.

Q: Are students involved somehow? **A:** Yes, the teaching assistants for Psyc 301L will be collecting the data and helping with analyses.

Q: So, this is not a specific class project. **A:** That's right. It just happens that the students who are interested in the research will also be assisting for Psyc 301L.

Q: Is your goal to publish this research? **A:** Yes.

The PI was commended for her work with the IACUC in seeking approval for the activities with animals that are involved in her teaching and research.

When there were no additional questions, the investigator and visitors were excused.

Following a general discussion, Filkins moved and Germano seconded, a motion to approve Protocol 01-03 for one year. The motion was passed unanimously, with 7 "yes," 0 "no," and 0 "abstentions."

AREAS OF CONCERN:

There were no new areas of concern.

BI-ANNUAL INSPECTION OF ANIMAL FACILITY:

The members of the IACUC walked to DDH and inspected the Animal Facility in H-100. The only animals present were six rats involved in Protocol 98-07. The members admired the new floor surface. Dr. LeBlanc explained the use of the new operant chambers in the data collection room.

NEXT MEETING:

Friday, 25 January, 2002 - "Old Pub"
12:30 p.m. - Lunch
1:00 p.m. - Meeting

ADJOURNMENT:

There being no further business, Chair Steve Suter adjourned the meeting at 3:30 PM.

Respectfully Submitted,

Steve Suter
Professor of Psychology
Secretary for the IACUC