

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

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**MINUTES OF MEETING  
02 June 2000  
Stockdale Room/Runner Café**

**Members Present:**

**Veterinarian:** Mylon Filkins, DVM

**Scientific Concerns:** Kenneth Gobalet, David Hinds, Steve Suter

**Non-Scientific Concerns:** Jane Granskog, Andrew Troupe

**Community Issues:** Debbie Kroeger

**Members Absent:**

**Safety/Hazardous Materials:** Barbara Brenner

**Community Issues:** Martin Murdock

**Visitors:**

Todd McBride, Assistant Professor of Biology, for Protocol 98-07 (renewal request)

Jess Deegan, Associate Professor of Psychology, for Protocol 99-02

Carol Raupp, Professor of Psychology

1. **Call to Order:** Meeting was called to order by Chair Steve Suter at 12:56 PM.
2. **Minutes:** Mylon Filkins moved, and Debbie Kroeger seconded, a motion to approve the minutes for the meeting of 04 February 2000. The motion was passed unanimously, with 7 “yes,” 0 “no,” and 0 “abstentions.”
3. **Old Business:** See Item 6.b, Protocol 99-01, *Calculation of metabolic rate of rats in four Biology courses*, in minutes for meeting of 04 February 2000, and memorandum, dated 16 February 2000, from Kenneth Gobalet, Department of Biology, regarding the subject, “Addendum to Protocol 99-01.”

Edwin Sasaki reviewed for the IACUC the “history” of its consideration of Protocol 99-01. Dr. Gobalet then reviewed the memorandum indicating his responses to the conditions specified by the IACUC during its initial review:

- Potential variables to be used for student projects and the procedures for the review and approval of student projects by the course instructors: paragraph 2, page 1
- Housing of rats to be in the CSUB Animal Facility in Dorothy Donahoe Hall: paragraph 3, page 1.
- Procedures for burying carcasses to obtain skeletons for future classroom use: paragraph 4, page 1.
- Clear statement indicating that rats would experience no oxygen deprivation while “in the can” during metabolic measurements: paragraph 1, page 2.

- Point of clarification regarding the specification by the IACUC of using only barbiturate injection for the euthanization of animals: paragraph 2, page 2. Dr. Gobalet indicated that the reason for the point of clarification was that only Dr. Alvin Tanabe, Supervising Technician for the Science Stockroom, is currently qualified to administer barbiturate injections and that Dr. Tanabe may not always be available. Dr. Filkins indicated that barbiturate injection is the only approved method for the euthanization of animals and that other techniques, such as the use of a guillotine, are no longer allowed. Dr. Filkins indicated that the university now has its own DEA license for controlled substances and that Dr. Todd McBride has his own secure facilities for storing controlled substances required for his research, including barbiturates for euthanization. Dr. Filkins indicated that Dr. Jess Deegan, as the Director for the Animal Facility, and another science technician should also be trained to administer barbiturate injections. If these additional people are trained and authorized to handle controlled substances, then there should always be an authorized person available for the euthanization of animals.

NOTE: David Hinds had to leave the meeting for another meeting at 1:30.

Discussion then returned to the matter of student projects and the procedures for the review and approval of student projects by course instructors. After considerable discussion, Chair Steve Suter provided a summary:

For education protocols proposing to use laboratory animals in student projects, the IACUC provides “conditional approval,” with the provision that student projects are not to exceed Level 3—protocols that cause little pain or stress to vertebrate species--of the Orlan/Shapiro & Fields scale of “anticipated pain and distress” OR Level 1—none or minor potential level of pain, no pain relief required, and none or minor pain perceived—of the USDA pain classification. Further, the students should be fully informed, preferably in the course syllabus and through periodic announcements during the course, of the role of the IACUC, role of the instructor, and the role of the students in ensuring the health and welfare of animals used for any laboratory activities in the course and for any student projects.

When there were no further questions from the IACUC, Dr. Gobalet and Dr. Carol Raupp (visitor) were excused for the Executive Session. Jane Granskog moved, and Mylon Filkins seconded, a motion that the IACUC accept the memorandum, dated 16 February 2000, from Dr. Kenneth Gobalet as appropriate responses to the conditions specified during the initial review of Protocol 99-01 by the IACUC and continue with “conditional approval” for Protocol 99-01. The “conditional approval” was based upon the summary (see above) provided by Chair Steve Suter; it was the consensus of the IACUC that this summary would become IACUC practice in the consideration of all future education protocols involving student projects. The motion passed unanimously with 5 “aye,” 0 “nay,” and 0 “abstention.” Dr. Gobalet did not vote, and Dr. Hinds was not present for the vote.

#### 4. New Business

- a. **Renewal of Protocol 98-07, *The role of stretch activated ion channels in the long term adaptation of striated muscle to active muscle lengthening***, with Dr. Todd McBride, Assistant Professor of Biology. Dr. McBride indicated that he is requesting renewal of Protocol 98-07 because the American Heart Association had just awarded funds to support the research for two years beginning July 1, 2000. The original protocol approved by the IACUC was to collect pilot data so that the grant could be written. The grant has now been approved for funding. Dr. McBride indicated that the research under the grant uses the same procedures specified in the original protocol that was initially approved by the IACUC. In response to a question, Dr. McBride indicated that he estimated that he would be using 16-24 animals each year of the grant.

When there were no further questions from the IACUC, Dr. McBride and Dr. Carol Raupp (visitor) were excused for the Executive Session. Mylon Filkins moved, and Jane Granskog seconded, a motion to approve a one-year extension for Protocol 98-07, with the understanding that Dr. McBride would request an additional one-year extension for the second year of the grant period at the appropriate time. The motion passed unanimously with 6 “aye,” 0 “nay,” and 0 “abstentions.”

- b. **Protocol 99-02, *Rat UV sensitivity and changes in circadian cycles***, with Dr. Jess Deegan, Associate Professor of Psychology; Ms. Chisty Travis-Quigg, psychology student who is the principal investigator for the research under the sponsorship of Dr. Deegan, was not able to attend. Dr. Deegan provided an overview of the proposed research, which is one of a series he and his colleagues/students are testing ultraviolet sensitive cones in rodents. There were very few questions from the IACUC; Dr. Filkins complimented Dr. Deegan for preparing a very clear and readable protocol.

Dr. Deegan and Dr. Carol Raupp (visitor) were excused for the Executive Session. Ken Gobalet moved, and Jane Granskog seconded, a motion to grant unqualified approval for Protocol 99-02. The motion passed unanimously with 6 “aye,” 0 “nay,” and 0 “abstentions.”

- c. Memorandum, dated 18 May 2000, from Dr. Kenneth Gobalet, Department of Biology, regarding the subject, “Use of vertebrates in student exercises in Biology 210.” Dr. Gobalet indicated that the rationale for the memorandum was to elicit advice from the IACUC regarding the use of animals in Biology 210 for student projects. He referred the IACUC to the diverse projects conducted by students in previous years. After considerable discussion, there was consensus among the members of the IACUC that the following practices should be followed:

- For student projects using laboratory animals, e.g., laboratory rats/mice, the basic principles specified in paragraph 3 above (Old Business: Protocol 99-01) should apply. Specifically,

For education protocols proposing to use laboratory animals in student projects, the IACUC provides “conditional approval,” with the provision that student projects are not to exceed Level 3—protocols that cause little pain or stress to vertebrate species--of the Orlan/Shapiro & Fields scale of “anticipated pain and distress” OR Level 1—none or minor potential level of pain, no pain relief required, and none or minor pain perceived—of the USDA pain classification. Further, the students should be fully informed, preferably in the course syllabus and through periodic announcements during the course, of the role of the IACUC, role of the instructor, and the role of the students in ensuring the health and welfare of animals used for any laboratory activities in the course and for any student projects.

- For student projects involving pets or naturalistic observation of wild animals, students should be formally informed, through the course syllabus and periodic announcements in class, of the expectations of the university regarding the humane and ethical treatment of all animals in accord with local, State, and Federal laws.
  - This information should be shared with the instructors of other courses in Biology where this issue may be relevant.
5. **Areas of Concern:** Dr. Carol Raupp indicated that it was very difficult for her to participate actively in the meetings if she only received the agenda and was not given copies of the protocols being reviewed by the IACUC for the meeting. After some discussion, it was agreed that the IACUC had made a policy decision during its early meetings (first or second) that only protocols that had by approved by the IACUC were available for public review. Protocols submitted for review by the IACUC were considered “private communication” between the principal investigator(s) and the IACUC. Since protocols were subject to change based upon the review performed by the IACUC, it was agreed that only the final approved protocol, that included all changes requested by the IACUC, would be open for public review.

6. **Next Meeting:** Friday, 06 October 2000

7. **Adjournment:** There being no further business, Chair Steve Suter adjourned the meeting at 2:50 PM.

Respectfully Submitted,

Edwin H. Sasaki, Ph.D.  
Secretary for the IACUC