

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

MINUTES OF MEETING
Friday, 11 June 2004
Cafeteria Conference Room 101

Members Present:

Scientific Concerns: David Germano, Todd McBride, Steve Suter

Non-Scientific Concerns: Andrew Troup, Jane Granskog

Community Issues: Debby Kroeger, Martin Murdock

Veterinarian: Mylon Filkins

Members Absent:

No Safety/Risk Management Officer has been appointed

Visitors:

Isabel Sumaya, Psychology, for Protocols 03-02, 04-01, 04-02 renewals

Meeting was called to order by Chair Steve Suter at 12:59 PM.

PREVIOUS MINUTES:

Murdock moved and Granskog seconded, a motion to approve the minutes for the IACUC meeting of 30 January 2004. The motion was approved unanimously.

ANNOUNCEMENTS:

The IACUC Bi-Annual Report to the Provost was summarized by the Chair. It was noted that the consulting veterinarian had participated in the required Animal Facility inspection in April 2004. The online training modules have been revised. Germano was thanked for his suggestions.

It was noted that this is the final meeting for Marty Murdock, who is moving to Redding. He expressed his pleasure with having served and he was thanked for his valuable input over the years. His successor, Kimberly Willis, has expressed interest in serving. The Chair will contact her and discuss possible service.

OLD BUSINESS: [none]

NEW BUSINESS:

Review of Active Protocols and Requests for Renewals

The Chair pointed out that the idea is to get all active protocols on the same review cycle because there are so few active protocols and the IACUC has adopted a policy of discussing yearly summary reports of protocol activities in considering renewal requests [as opposed to the previous policy of routinely authorizing renewals based on a simply e-mail request].

- a. **Protocol 98-07** (Todd McBride, Biology) "The Role of Stretch Activated Ion Channels in the Long Term Adaptation of Straited Muscle to Active Muscle Lengthening"

This protocol is McBride's own research. It has yielded one publication, two presentations, and a pending grant application at NIH. This involves using exercise and stretching to open ion channels on skeletal muscle fibers, and then assessing effects via electrophysiology at CSUB and tissue studies at UC-Davis. Results are promising so far. Implications have to do with recovery from muscle atrophy.

- b. **Protocol 01-01** (Todd McBride, Biology) "Use of Bullfrogs for Nerve Recordings in Lab Courses"

The upper division course involved [Bio 455] has been taught twice with small enrollments. Electrophysiological and neurochemical demonstrations have been carried out, such as nerve conduction velocity, and cardiac activity. No mis-piths have been experienced. The instructor does this quickly; students may observe or not. Autonomic activity continues for a long time after CNS activity has ceased. Most of the students are pre-med oriented, although some have gone on to do research.

- c. **Protocol 01-04** (Todd McBride, Biology) "Measurement of Rat Metabolism"

This protocol was not used since the previous renewal. It is now only used in McBride's upper division courses. Some of the metabolism demonstrations are now carried out with plants using the same measurement equipment. It may be used for demonstrations in Bio 357 next year, and so renewal is requested.

Renewal of Protocols 98-07, 01-01, 01-04: Filkins moved, Granskog seconded, approved unanimously

- d. **Protocol 02-02** [Isabel Sumaya, Psychology] "Psychology Course 301L: Principles Of Learning Laboratory"

The course was taught once during the authorization period. There were 21 rats, with each student having responsibility for one animal, typically interacting with the rat every weekday. The students enjoy the lab work.

- e. **Protocol 03-02** [Isabel Sumaya, Psychology] "Psychology Course 301L: Biological Psychology Laboratory—Open Field Paradigm in the Light and Dark Phase."

This protocol will be used in Fall 2004, when Psyc 301L is next offered. Rats that remain from Protocol 02-02 will be used. A discussion followed. Sumaya pointed out that students always work under the direct supervision of herself or a trained laboratory assistant. Sumaya [also Animal Facility Director] mentioned that she prefers to keep rats until natural death, about two years of age. Common natural death cause is aging, although tumors are sometimes seen in aged rats. Signs of dying are hair loss, weight loss, yellowing of coat, eye encrustation. The consulting veterinarian suggested development of a standard operating procedure to spell out conditions under which euthanasia would be carried out to minimize suffering and ensure a humane death, rather than waiting for natural death. Sumaya agreed to do so.

- f. **Protocol 04-01** [Isabel Sumaya, Psychology] "Circadian Effects of Melatonin on Extrapyrmidal Side Effects in Rats Treated with Typical and Atypical Antipsychotics"

This protocol was initiated earlier this year. The investigators are in the process of getting together necessary apparatus and hope to start pilot data collection this summer. Rats from **Protocol 02-02** will be used in the pilot work.

- g. **Protocol 04-02** [Isabel Sumaya, Psychology] "The Effects of Caloric Restriction in an Animal Model of Depression in Rats"

This protocol was initiated earlier this year. The investigators are in the process of getting together necessary apparatus and hope to start pilot data collection this summer. Rats from **Protocol 02-02** will be used in the pilot work.

Renewal of Protocols 02-02, 03-02, 04-01, 04-02: Murdock moved, Kroeger seconded, approved unanimously

AREAS OF CONCERN:

Carol Raupp had handed out a memo [**Attachment A**] to each IACUC member prior to the meeting and then departed. In this memo, she expressed concerns with respect to certain IACUC procedures, treatment of animals, and animal research. It was agreed that Raupp's queries deserved a reply from the IACUC. There was discussion about the proper structure and content of a response. There was consensus that IACUC procedures were similar to those of other decision making bodies in accommodating public access. It was decided that specific legal bases of IACUC procedures would be an issue only if those procedures were challenged legally. It was further agreed that it would not be productive for the IACUC to enter into debate on the specific issues raised with respect to treatment of animals and animal research [although each of the points raised were discussed at this time]. Members reiterated their support for the IACUC procedures of: (a) allowing visitors to speak, but not to question investigators presenting protocols, (b) preserving confidentiality of submitted protocols and allowing public access to protocols that had been approved, and (c) providing meeting agendas to anyone who requests them. A written response [**Attachment B**] reflecting these decisions was later created and approved by IACUC members.

NEXT MEETING:

Friday, 08 October, 2004 – meeting room to be announced

ADJOURNMENT:

There being no further business, the meeting was adjourned at 1:16 PM. (Germano moved, Murdock seconded, approved unanimously).

Respectfully Submitted,
Steve Suter, Professor of Psychology, Secretary for the IACUC