

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*

*Friday 09 June 2010*

*DDH A-108*

**Members Present:**

**Scientific Concerns:** Todd McBride, Steve Suter, David Germano

**Non-Scientific Concerns:** Andrew Troup, Stephen Gamboa

**Community Issues:** Debby Kroeger

**Safety and Risk Management:** Juli Smith

**Veterinarian:** Mylon Filkins

**Members Absent:**

**Community Issues:** Eugene Couture

**Visitors:**

Matt Leon for Protocol 08-02

Carol Raupp for Protocol 05-01

Isabel Sumaya for Protocols 03-02, 04-01, 04-02, 07-05

Meeting was called to order by Chair Steve Suter at 12:58 PM.

**I. ANNOUNCEMENTS:**

- A. David Beadle no longer serves on the IACUC and is now Risk/Safety person in CSU-Long Beach. Juli Smith, the new CSUB Risk/Safety person was welcomed. Smith summarized her employment history. Chair noted that she has been oriented to the responsibilities of the IACUC. Smith noted that she has passed all of the HCUAS training modules.

**II. PREVIOUS MINUTES:**

Filkins moved, and Germano seconded, a motion to approve the minutes for the IACUC meeting of 29 January 2010. The motion was approved 8-0.

**III. OLD BUSINESS: none**

**IV. NEW BUSINESS:**

**A. Discussion of Current CSUB IACUC Procedures**

The following issues had been raised in discussions between the IACUC Chair and PIs as they submitted renewal materials for this meeting.

**1. Procedures for the Initial IACUC Protocol Review**

"Designated review" is allowed under federal guidelines, so that a protocol can be reviewed by an IACUC member designated by the Chair without the PI attending a

meeting. Some CSUB PIs have experienced this sort of review at other universities and support it. Chair noted that this may be dictated by the volume of protocols to be processed at larger institutions, but that isn't necessary here. Also this would undermine the broad perspective on each protocol offered in a committee meeting. However, if there were a designated review process, then PIs would not have to wait for the quarterly IACUC meetings to get their new work authorized. A consensus emerged that some protocols could be reviewed and authorized outside of IACUC meetings. Federal guidelines specify that any protocol assigned to designated review can be re-assigned to regular review at an IACUC meeting at the request of one IACUC member. The following motion was offered:

A new protocol may be assigned to designated review at the discretion of the IACUC Chair. The protocol will be sent to three reviewers – one scientist, one non-scientist, and one from the other committee members. An abstract of the protocol under consideration will be distributed to the CSUB community to preserve the opportunity for input from the general public. Approval will be by a majority vote of the designated reviewers.

[Germano moved, McBride seconded, 8-0]

## **2. Review of Authorized Protocols**

PHS specifies review of each protocol every three years; USDA says every year. Present CSUB policy is every year. Renewals used to be handled by the IACUC Chair outside of meetings; several years ago IACUC decided to adopt a more formal procedure in meetings, and later added a structured renewal application intended to elicit salient information. Whereas some members valued keeping informed of protocol activities at the meetings, other members were not interested. There was a consensus that not all new protocols needed to be reviewed and authorized at IACUC meetings. The following motion was offered:

Teaching and research protocols without modifications may be reviewed and authorized via designated review. Approval will be by a majority vote of the designated reviewers. Every protocol will be reviewed in committee at least every three years.

[Germano moved, Gamboa seconded, 8-0]

## **3. Requesting Research Results as Part of the IACUC Review Process**

Are results of research under IACUC protocols the business of the IAUC? Some felt that any presentations should be shared with the IACUC. Others felt that just informing the IACUC of having made presentations or publications was sufficient. It was noted that the IACUC is tasked with doing a cost/benefit analysis, and that research results would assist in this. Also, information in an abstract [summary of a research activity that has been presented externally] helps with compliance monitoring to verify that the PI has followed the protocol authorized. There was a consensus that the present application for renewal form elicited sufficient information.

## **B. Renewal of Authorized Protocols**

1. Proposed renewal of **Protocol 98-07** "The Role of Stretch Activated Ion Channels in the Long Term Adaptation of Striated Muscle to Active Muscle Lengthening" [Todd McBride, Biology].

The data collection from mice has been implemented, involving the necessary modifications in the equipment and data collection procedures. A grant proposal was not accepted and more data collection was requested. There is a pending Student Research Scholar proposal pending under the protocol.

**Q:** The equipment modifications were successful with the mice? **A:** Yes, this involved scaling down apparatus and recalibrating.

**Q:** The mice were acquired from pet stores? **A:** No, they were obtained from shipments of mice acquired to feed raptors at FACT.

**Q:** How about the drugs involved? **A:** That was described in the original protocol. They are obtained using the DEA license, kept locked up and records are kept. **C:** The IACUC Chair has perhaps forgotten how useful it is to have the original protocols in the meeting packet when renewals are considered.

**Q:** How about the mouse dosages? **A:** It's adjusted according to mg/kg body weight.

**Q:** Expiration dates of the drugs? **A:** We don't really pay attention to that.

**Q:** How about accidents to humans during the research? **A:** We tend not to report. There are sometimes needle sticks and more often animal bites.

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

The course using this protocol was not taught during the authorization period, but it will be taught in Fall 2010 and so renewal is requested. It was noted that modification to allow cardiac recordings has been authorized.

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

This protocol was not used during the authorization period. It is being kept open in case students propose lab activities covered by this protocol. It was noted that if the protocol is used a list of the projects using the protocol must be submitted to the IACUC at the end of the authorization period.

When there were no further questions, the PI and visitors were asked to leave and the IACUC deliberated in executive session. There was a motion to approve the renewal of McBride's Protocols 98-01, 01-01, and 01-04 [Filkins moved, Germano seconded, 7-0].

4. Proposed renewal of **Protocol 08-02** (Matt Leon, Psychology) "The Neural and Pharmacological Basis of Matching Behavior in Self-Stimulating Rats"

This involves matching behavior related to the parameters of reward available at different places in the apparatus. The type of reward is electrical brain stimulation. Some of the work involves effects of scopolamine, a drug that blocks neuro-receptors known to be involved in memory.

There were no questions. The PI and visitors were asked to leave and the IACUC deliberated in executive session. There was a motion to approve the renewal of Protocol 08-02 [McBride moved, Kroeger seconded, 8-0].

5. Proposed renewal of **Protocol 05-01** (Carol Raupp, Psychology) "Longitudinal Naturalistic Observation of a Trap-Neuter-Release (TNR) feral cat colony"

PI noted the value of extended longitudinal observations. For the first time in 20 years there were no feral cat kitten births on campus. There were no cat/kit fox interactions. With the feral cat population down, will "infiltrators" begin to appear?

**Q:** Did you do any of the non-flash photography proposed at the last renewal? **A:** No.

**Q:** Last year you speculated that as cats go down native species might increase. **A:** Can't tell if this is happening. The PI is good at telling the cats apart, but not the kit foxes.

When there were no more questions, the PI and visitors were asked to leave and the IACUC deliberated in executive session. There was a motion to approve the renewal of Protocol 05-01 [McBride moved, Filkins seconded, 8-0].

6. Proposed renewal of **Protocol 03-02** (Isabel Sumaya, Psychology) "Biological Psychology Laboratory (303L)"

This is the only animal testing element of the course, the rest being dissection. This involves activity in an open field as a function of light/dark cycling. The animals were re-used from another protocol and will be re-used in turn.

7. Proposed renewal of **Protocol 04-01** (Isabel Sumaya, Psychology) "Circadian Effects of Melatonin on Extrapyramidal Side Effects in Rats Treated with Typical and Atypical Antipsychotics"

This protocol was not used during the authorization period. It is looking at the motor side effects of antipsychotic drugs as they are influenced by melatonin.

8. Proposed renewal of **Protocol 04-02** (Isabel Sumaya, Psychology) "The Effects of Caloric Restriction in an Animal Model of Depression in Rats"

The high fat diet introduced leads to depressive behaviors. The plan is to do follow-up data collection.

**Q:** Were follow-ups already authorized, or should this be considered a protocol modification? **A:** Follow ups were probably incorporated into the most recent modification. **C:** The IACUC Chair will review records and show an authorized modification if needed.

9. Proposed renewal of **Protocol 07-05** (Isabel Sumaya, Psychology) "The Effects of Cage Size and Environmental Enrichment on Rats"

Lots of rats are being re-cycled into the enrichment study and then used in other studies. Enrichment appears to have positive effects, but cage size doesn't make a difference.

**Q:** Will enrichment become the default housing for the Animal Facility? **A:** This has become common with mice, but is not the consensus of rat researchers.

When there were no more questions, the PI and visitors were asked to leave and the IACUC deliberated in executive session. There was a motion to approve the renewal of

Sumaya's Protocols 03-02, 04-01, 04-02, and 07-05 [Smith moved, McBride seconded, 8-0].

C. Review of New Protocols: [none]

#### V. AREAS OF CONCERN:

Smith led a discussion of DEA-related issues. Each user has a log book? Yes, there is one in psychology and one in biology. How are empty vials handled? In biology there are kept. Would it be a good idea for Smith to collect them during inspections for monitoring purposes? There are strict DEA rules about observing expiration dates. Investigators are advised to follow these. There has been recall drama involving ketamine that could affect drugs being used at CSUB. Advice is to check the recall lists. There will be periodic DEA inspections.

#### VI. MEETING DATES FOR AY 2010-2011:

Friday, 01 October 2010  
Friday, 28 January 2011  
Friday, 22 April 2011  
Wednesday, 08 June 2011

#### VII. ADJOURNMENT:

There being no further business, the meeting was adjourned at 3:00 PM. [McBride moved, Smith seconded, 8-0]

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