

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 12 June 2013*

*DDH A-108*

**Members Present:**

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

**Non-Scientific Concerns:** Andrew Troup

**Community Issues:** Debby Kroeger, Larry Saslaw

**Consulting Veterinarian:** Mylon Filkins

**Members Absent:** Steve Gamboa

**Visitors:** [none]

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

**I. ANNOUNCEMENTS:**

- A. Juli Smith has resigned as Safety and Risk Management Officer to take a position elsewhere.
- B. Larry Saslaw, wildlife biologist, was welcomed to the IACUC, representing the community.

**II. PREVIOUS MINUTES:**

Kroeger moved, and Troup seconded, a motion to approve the minutes for the IACUC meeting of 25 January 2013 and the Animal Facility inspection report. The motion was approved 5-0-1.

**III. OLD BUSINESS:**

**A. Emergency Preparedness and Recovery Plan**

The EPRP has been approved by the Academic Senate and President. It has been sent to emergency responders – police and fire agencies – by CSUB Chief Williamson, as required in the animal program evaluation checklist. The phone number for FACT needs to be added to the emergency box, since they are a potential animal evacuation site. Isabel needs to get the emergency box together in the Animal Facility.

**IV. NEW BUSINESS:**

**A. Protocol Closures [1]**

**Protocol 11-01** "Population Genetics of the Endangered Giant Kangaroo Rat, *Dipodomys ingens*" [Nicole Blackhawk & David Germano, Biology]. Work was completed on this protocol. Given that protocol authorization lasts one year, it was agreed that there is no

need to formally close a protocol that has not been renewed at the end of the authorization period.

## **B. Protocol Renewals [9]**

**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 PI noted that a manuscript is in preparation reporting accumulated results of this research, along with a grant proposal resubmission for continued funding. Duties as Department Chair have limited the PI's research time. There are no new research assistants; any new research assistants will be appropriately HCUAS-certified before commencing activities.

**Protocol 01-01** "Use of Bullfrogs for Nerve Recordings in Lab Courses" [Todd McBride, Biology]. There were 12 pithed frogs used for nerve recordings during AY 2012-2013. This lab assignment went well.

**Protocol 01-04** "Measurement of Rat Metabolism" [Todd McBride, Biology]. This involves measuring metabolism of rats in a chamber. The course involving this lab assignment was not taught in AY 2012-2013, but it will be taught in the future.

The PI departed and Protocols 98-07, 01-01, and 01-04 were renewed. Filkins moved, Troup seconded, 5-0.

**Protocol 03-02** "Biological Psychology Laboratory (303L)" [Isabel Sumaya, Psychology]. This lab assignment is used in Biological Psychology Lab, which was taught by a lecturer under Sumaya's supervision in AY 2012-2013. Rationale and procedures were described. PI requested that n = 12 in the renewal to accommodate a full roster of 24 students for the course.

**Protocol 04-01** "Circadian Effects of Melatonin on Extrapyramidal Side Effects in Rats Treated with Typical and Atypical Antipsychotics" [Isabel Sumaya, Psychology]. There has been no activity on this protocol, but there is a planned senior thesis in psychology. This involves receptor blockade techniques to look at the role of melatonin and emergence of Parkinsonian symptoms accompanying antipsychotic drug administration. The student has done the necessary HCUAS training modules. There will be fewer than 144 animals involved if fewer independent variables are studied than specified in the protocol.

**Protocol 04-02** "The Effects of Caloric Restriction in an Animal Model of Depression in Rats" [Isabel Sumaya, Psychology]. This involves high fat diets. They are presently seeing decrements in learning and memory using the 8-armed maze. Graduates of this protocol are left to "age out" in order to observe effects of high fat diet on longevity.

**Protocol 07-05** "The Effects of Cage Size and Environmental Enrichment on Rats" [Isabel Sumaya, Psychology]. This is a continuing long-term study. Enrichment increases survival rate. Almost half of the animals in the colony are in the enriched cages. Rats are cycled on to this one from other protocols.

The PI departed and Protocols 03-02, 04-01, 04-02, and 07-05 were renewed. McBride moved, Filkins seconded, 6-0.

**Protocol 05-01** “Longitudinal Naturalistic Observation of a Trap-Neuter-Release (TNR) Feral Cat Colony” [Carol Raupp, Psychology]. Since 2005 the PI has been observing colony stability of feral cats on the CSUB campus. TNR activities are ongoing. There is no change in the protocol and no adverse effects have been noted. There have been no cat/fox contact or cat/skunk contact. All of the female cats on campus are spayed. Carol is mostly responsible for removing kittens from campus.

[Germano arrived]

The PI departed and Protocol 05-01 was renewed. McBride moved, Filkins seconded, 7-0.

**Protocol 13-01** “Prey Selection of the Endangered Blunt-Nosed Leopard Lizard, *Gambelia siva*, in the San Joaquin Valley, Ca” [Donna Noce & David Germano, Biology]. Data collection has started. Student was initially working under Germano’s permit, but is now permitted herself. This involves trapping the lizards, collecting scat and invertebrate prey for analysis and comparison. Lizards may be held up to 24 hours under the permits. Since there are no whiptail lizards at one site, they will also be able to collect loose blunt-nosed scat for analysis. This study will run for a couple of years to get enough data and should result in something worthwhile. The PI noted two recent publications of Erin Tenant based on recently completed k-rat field studies with the PI, which were IACUC authorized.

The PI departed and Protocol 13-01 was renewed. McBride moved, Filkins seconded, 6-0.

### **C. Semiannual Program Review Checklist**

The Chair led a discussion of the June 2013 checklist. This checklist was adopted in June 2012 in its entirety, with IACUC simply marking as N/A the numerous parts that are not relevant. We have been using all of the elements marked “must” each review and phasing in sections from review to review. The Chair noted checklist changes reflecting the approval and dissemination of the Emergency Preparedness and Recovery Plan and the phasing in of “Section 5: IACUC Membership and Functions”. Filkins noted that the element on the quality of veterinary care had not been completed. Hopefully “Section 10: Occupational Health and Safety of Personnel” will be phased in next, since such a plan is a checklist “must”.

There was a motion to accept the completed checklist for June 2013, with the correction noted by Filkins. Germano moved, Kroeger seconded, 7 – 0.

### **D. Draft Occupational Health and Safety Plan [OHSP]**

A draft OHSP was presented that was based on policies and procedures in place at Cal Poly, with their permission. This involves: [a] a screener to be taken by everyone prior to coming into contact with animals in the course of official CSUB activities, such as taking courses, teaching, research, and animal care; and [b] for those who are found at risk on the screener, a more detailed questionnaire with physician recommendation. The gist of discussion was as follows.

**Con OHSP.** Most of the comments were objections to the specific proposed OHSP and OHSP’s in principle. It would be inconvenient and disruptive to instruction if students in

courses involving contact with animals were required to fill out the screener before working with animals. Persons filling out the screener wouldn't know if they were allergic to specific animals until they actually came into contact with them. Faculty, who work with animals, already know how to deal with their own health and safety and how to train their own research students to protect them, without dealing with OHSP paperwork. The health items on the screener did not seem to be useful in terms of correctly identifying personnel who might be at risk – the concern here was the potential for too many false positives. Physicians would lack sufficient knowledge to be able to make meaningful recommendations about contact with animals regarding personnel who come to them for advice, having completed the detailed health questionnaire.

**Pro OHSP.** The animal program evaluation checklist requires an OHSP. The university requires an animal program OHSP, which will be incorporated into the overall OHSP for the university. It will be preferable for the IACUC to create the OHSP, rather have the Safety and Risk Management office provide the OHSP for us. There would be few personnel identified as at risk by the screener, so the detailed questionnaire and physician consult would be rare. Is it not appropriate legally or ethically for non-physician faculty to be making the call on coming into contact with animals for persons who have a health conditions listed on the screener. Students enrolled in courses could be notified to do the screener prior to the beginning of the course, which would minimize inconvenience and interference with instruction.

There was a consensus that a section addressing health and safety should be added to the IACUC Protocol and that PI's having active protocols should submit similar information. Perhaps training materials might be added to one or more of the HSUAS modules. The lab and field settings seem to be fundamentally different situations as regards health and safety issues. It was noted that the health and safety aspects of this issue are very different. Individual faculty could probably deal with the specific safety elements of their particular situations. It's harder to make a convincing argument that they can/should do the same for the health of personnel under their supervision, yet someone needs to have that responsibility. Can we develop an OHSP that is limited to the research and animal care settings, and not apply it to students who will come into contact with animals during laboratory course assignments? The Chair was requested to get info about OHSP in place at other CSU's [Chico, San Bernardino, Humboldt, Monterey Bay, Northridge] and forward the info to members.

#### **V. AREAS OF CONCERN: [none]**

#### **VI. MEETING DATES FOR AY 2013-2014**

Fall 2013: Friday, 04 October 2013  
Winter 2014: Friday, 24 January 2014  
Spring 2014: Friday, 18 April 2014  
Summer 2014: Wednesday, 11 June 2014

#### **VII. ADJOURNMENT:**

There being no further business, the meeting was adjourned at 3:04. Kroeger moved, Germano seconded, 7-0.

Inspection of the Animal Facility followed.

## **ANIMAL FACILITY INSPECTION [Wednesday, 12 June 2013]**

The log was complete and up to date. The call-out list needs to be updated to reflect deletion of Smith and addition of Deegan. The emergency box needs to be created. There were about 60 animals, all rats, in the colony. The enrichment cages were admired. The oldest rat in the facility had expired on its third birthday. Hot water was recently lost for a couple of days. Hot water had been more ample for a while, but it is now not so hot. Maybe a tankless heater just for the animal colony would be a useful fix? This will be added to the report to the Provost. The recommended exit sign above the inside of the H-100 door into the H hallway, to clearly indicate the direct egress path, has not been installed. Chair will check with Facilities Management to see if this can happen as a building safety item and not be charged back.

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