

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

MINUTES OF MEETING, Friday, June 8th, 2016
DDH A-108

Members Present:

Scientific Concerns: Matt Leon
Scientific Concerns: David Germano

Non-Scientific Concerns: Andrew Troup
Non-Scientific Concerns: Steve Gamboa

Consulting Veterinarian: Mylon Filkins
Community Issues: Laramie Lyda-Craft (arrived late during animal inspections)

Members Absent:

Community Issues: Larry Saslaw
Scientific Concerns: Todd McBride
Safety and Risk Management: Tim Ridley

Visitors: G. Parnell, GRaSP

CALL TO ORDER. The meeting was called to order by Chair, Steve Gamboa at 1:03 PM.

ANNOUNCEMENTS. RERC announced that her sabbatical was approved for the Fall 2016 semester and that former RERC, Steve Suter, now emeritus, has agreed to serve as acting RERC in her absence. RERC Sumaya will be returning in the Spring semester of 2017.

RERC further explained that she was awarded an NIH grant and that the grant represents CSUB's first NIH funding that includes animal research. As such the university can now apply for an Animal Welfare Assurance number. The application includes submitting CSUB's Animal Welfare Assurance for Domestic Institutions document that is extensive and comprehensive describing CSUB's Institutional Animal Care and Use Program. Under the impression that the assurance document needed to be submitted ASAP for grant funding she completed the document last month but was later notified that CSUB was not required to secure the AWA number for her grant funding. Nonetheless, RERC requested that the board review the document and provide feedback so that CSUB can apply for an AWA number in the future. RERC requested that the board review the document over the summer and provide feedback in the Fall meeting **[Attachment A]**. One concern that RERC had while drafting the document was that the Board's chair, Gamboa, did not have the traditional background in animal research. The board maintained that Gamboa was appropriate to remain as chair as he was published in the area of animal research in his area of expertise. RERC thanked the board for this information as this will provide a justification for Gamboa as chair in the AWA application. Gamboa offered to send RERC a copy of the publication for documentation.

APPROVAL OF MINUTES (Fall 2015), SEMI-ANNUAL REPORT (January 2016) [Attachment B], and SEMI-ANNUAL PROGRAM CHECKLIST & INSPECTION NOTES (January 2016) [Attachment C], and SEMI-ANNUAL PROGRAM CHECKLIST (June 2016) [Attachment D]. Germano moved to approve the minutes, semi-annual report and semi-annual program checklist & inspection notes. Leon seconded. The motion was approved (5-0).

OLD BUSINESS. Gamboa was scheduled to introduce Laramie Lyda-Craft, the board's replacement for long-time member Debbie Kroeger, however, Lyda-Craft was running late. Lyda-Craft officially begins her appointment June 1st, 2016 as the board's second community member. During this time RERC brought up the possibility of recommending another scientific concerns member, Amy Gancarz-Kausch, to the board. The board approved her recommendation (5-0) and RERC will generate a memo of recommendation to the Senate during the Fall of 2016.

NEW BUSINESS

Protocol Closures.

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]

Protocol 01-01 "Use of Bullfrogs for Nerve Recordings in Lab Courses" [Todd McBride, Biology]

Protocol 01-04 "Measurement of Rat Metabolism" [Todd McBride, Biology]

Germano inquired why 98-07, 01-01 and 01-04 were slated for closure. RERC stated that McBride had not submitted the required renewal form request, and had not responded to emails about attendance at the present meeting. RERC explained she had no other choice but to place his protocols on the closure list. Germano asked if the board could provide an extension of time for McBride to submit his annual reports and request for renewals so that he could contact McBride. All board members agreed to provide McBride more time to submit his reports, thus did not vote to close the protocols.

Protocol Renewals with Modifications [Attachment D]

Protocol 03-02 "Biological Psychology Laboratory (303L)" [Isabel Sumaya, Psychology]. Sumaya requested to add more animals to the protocol from 12 rats to 24 to accommodate for increases in enrollment.

Protocol 14-01 "Tetrodotoxin (TTX) in Terrestrial Systems: The Biogeographical Distribution, Ecology, and Physiology of TTX-Bearing Organisms" [Amber Stokes, Biology]. Stokes requested to add to the protocol the procedure of toe clips to gather DNA samples. She explained in her request that toe clipping was a common procedure when working with newts and that, in time, the toes grow back. Stokes also reported that two newts were euthanized due to a loss of weight.

A discussion took place and it was determined that the loss of weight was not a response to something out of the ordinary and that it is not out of the ordinary for newts to lose weight in a laboratory setting, and thus did not meet the criteria for an adverse effect. Also, the toe clip procedure was agreed by all to be a common procedure in the collection of DNA.

Germano moved to approve the renewals of 03-02 and 14-01 with modifications and Filkins seconded (5-0).

Protocol Renewals [Attachment D]

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

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

Protocol 05-01 "Longitudinal Naturalistic Observation of a Trap-Neuter-Release (TNR) feral cat colony" [Carol Raupp, Psychology]

Protocol 07-05 "The Effects of Cage Size and Environmental Enrichment on Rats" [Isabel Sumaya, Psychology]

Germano moved to approve the renewals of 04-01, 04-02, 05-01 and 07-05. Filkins seconded (5-0).

AREAS OF CONCERN [none]

MEETING DATES for AY 2016 – 2017

	Meeting	Submission Deadline
Fall I	September 9th, 2016	August 26th, 2016
Fall II	November 18th, 2016	November 14th, 2016
Spring I	February 17th, 2017	February 3rd, 2017
Spring II	May 17th, 2017	May 3rd, 2017

Gamboa moved to approve the 2016-2017 meeting dates, and Leon seconded [5-0].

ADJOURNMENT: With all business addressed, Gamboa adjourned the meeting at 1:35 pm after which the board began the inspection of the newt and rat colony.

INSPECTION OF ANIMAL FACILITIES:

Rodent Colony. Filkins examined the log finding it complete and up to date. Also, a check of food and bedding storage was found to be appropriately kept. Female Sprague-Dawley rats, over two years old, continue to be in residence for the long term as a part of Protocol first in 04-02 investigating the long-term effects a high fat diet in rats kept in enriched environments (07-05). Other open protocols include Protocol 04-01, which involves the investigation of D2 antagonist in the light and dark phases. In April of 2016, 15 additional rats were ordered for this protocol. These rats were kept in standard cages. Other rats housed in the colony include rats in protocol 15-04 that is investigating the self-administration of cocaine administration. These animals. All cages were appropriately marked with cage cards containing all the

required information. The cages continue to be rotated in their location on the shelves to control for the possible effects of lux of light. At time of inspection there were 99 rats housed in the colony. Rats continue to undergo a daily health check by student research assistants including the weekends. If a student encounters any situation out of the norm students immediately contact Sumaya, Animal Colony Director. The cages are cleaned weekly with fresh water provided daily. There was a loss of 4 rats due to aging since the last animal inspection in January 2016. In addition, 11 rats were put down after the experiment was completed from Protocol 15-04, two of which were lost at time of surgery. A discussion took place between RERC and Filkins regarding the need for the PI of 15-04 to complete adverse event forms on behalf of the two rats lost during surgery. RERC felt that these losses represent normal loss during surgery and that adverse event forms were not warranted. Vet, Filkins felt that since this PI is new faculty and embarking on setting up her lab and getting procedures in place that it would be prudent to have her report these deaths to monitor losses early on. The board agreed. RERC will notify PI, and will request that she complete these reports upon submitting her annual report which is due in the Fall of 2016. The problem continues of hot water only lasting for only a few minutes when cleaning cages. A work order will be submitted once again.

Newt Colony. When the board arrived, the PI was not present. However, her research assistant was available for questions. Newts continue to be kept in large, standing temperature-controlled units. Low temp is 6-10 °C and high is 17-18 °C as per a digital thermometer; with temps logged daily. The newts were housed in water in shoe box size plastic containers containing floating islands that they can climb on. The research assistant, Anthony Cruz, explained that the water is de-chlorinated [by passive evaporation] in a large container; this water is then moved into the cooled environment, so there is no temperature shock. Finally, the water is tested by chlorine test strip to assure the proper levels of chlorine. Filkins reviewed the feeding and cleaning log finding that cleaning and feeding was thorough. Students are trained in cleaning, feeding, and handling. Newts are picked up by hand with or without gloves as per student assistant preference; hands are washed after handling. No irregularities were noted. Respectfully Submitted, **Isabel Sumaya, RERC, IACUC Secretary**