

Fall I Minutes
September 7th, 2018 Meeting

Members Present:

Scientific Concerns: Matt Leon, Amy Gancarz-Kausch, Isabel Sumaya (RERC - Alternate)

Non-Scientific Concerns: Andy Troup

Safety and Risk Management: Tim Ridley

Community Concerns: Laramie Lyda-Craft

Consulting Veterinarian: Mylon Filkins

Visitors: Gwen Parnell, GRaSP

David Germano, Erika Noel (18-01)

Member Absent: Larry Saslaw & Amber Stokes

CALL TO ORDER. The meeting was called to order at 1:05 pm.

ANNOUNCEMENTS. Sumaya welcomed everyone back for another school year. She also announced the resignation of Steve Gamboa leaving the board without a chair. After some discussion, member Leon agreed to serve as chair. Sumaya will generate a recommendation letter that will be sent to the Senate Chair to begin the process for appointment by the Provost.

APPROVAL OF MINUTES. The Spring II Meeting Minutes were included in the Semi-annual Reports to the Provost that were submitted to the board in this meeting. The report was submitted to the Provost in August. Sumaya asked for approval of the minutes. Lyda-Craft moved to approve the minutes. Troop seconded. (6-0).

OLD BUSINESS. None

NEW BUSINESS. Parnell provided a CITI Training Update. Parnell said everyone but Saslaw and Troop have completed the training. Sumaya asked Parnell for a new deadline. She said the deadline has passed so completion needs to be ASAP. Sumaya asked Troop if he could complete the training by next meeting. Troop responded that he would try and get those done.

Board affirmation of Closures, Modifications and Renewals (since the Spring II Meeting, May 16th, 2018 meeting).

Closures:

Protocol 98-07: Todd McBride/Biology [Expiration: June 2018]. "The Role of Stretch Activated Ion Channels in the Long-Term Adaptation of Striated Muscle to Active Muscle Lengthening."

Protocol 01-01: McBride/Biology [Expiration: June 2018]. "Use of Bullfrogs for Nerve Recordings in Lab Courses."

Protocol 01-04: McBride/Biology [Expiration: June 2018]. "Measurement of Rat Metabolism."

Protocol 15-03: Lauer/Biology. [Expiration May 2018]. "Detection of valley fever in rescued sea mammals in California."

Sumaya prefaced the affirmation of closures by explaining to board that repeated requests had been made to both McBride and Lauer regarding the need for a response about their protocols along with annual reports. To date, they have not responded so closure is required. Sumaya asked the board for approval of being able to expediate the reviews of these protocols if Lauer and McBride resubmitted without changes to what was originally approved. The board affirmed the closures as well as the ability for RERC to do expedited reviews on these closed protocols if in fact the investigators resubmit the protocols for review. Lyda-Kraft moved to approve the closures and to review resubmitted protocols as expedited reviews. Filkins seconded. All approved (6-0).

Protocol Renewals:

Protocol 03-02: Isabel Sumaya/Psychology [Expiration: June 2018]. "Biological Psychology Laboratory, 4230."

Protocol 04-01: Isabel Sumaya/Psychology [Expiration: June 2018] "Circadian Effects of Melatonin on Extrapyramidal Side Effects in Rats Treated with Typical and Atypical Antipsychotics."

Protocol 04-02: Isabel Sumaya/Psychology [Expiration: June 2018] "The Effects of Caloric Restriction in an Animal Model of Depression in Rats."

Protocol 07-05: Isabel Sumaya/Psychology [Expiration: June 2018] "The Effects of Cage Size and Environmental Enrichment on Rats."

Sumaya provided a brief summary of each protocol noting that less animals, or number of animals that were approved, were used and that there were no modifications to the protocols. She is continuing the collection of data (04-01, 04-02, 07-05) and is continuing to teach the laboratory course using rats (03-02).

Ridley made a motion to affirm the renewals, and Filkins seconded (all approved 6-0).

New Protocols

Protocol 18-01: Erika Noel, Research Assistant or Student investigator/David Germano (CSUB) & Dave Johnston (San Jose State University "Winter roosting Ecology of Western Red Bats (*Lasiurus blossevillii*) along the Kern River Corrido."

After introductions, Master's student, Noel, provided a background on her proposed research. She shared with the board that she wishes to study the roosting behavior of the Western Red Bat that are migratory but do not hibernate. Because during the winter time tree trimming and

tree removal takes place, Noel would like to study their migratory patterns and if they are impacted by the loss of their natural habitats. A discussion then took place about the bat and her proposed research.

Sumaya: You stated that about 9% of their habitats have been destroyed. Do you know what time frame this has taken place in ie, happened recently?

Noel: No, we really don't know. There is little research done on this bat.
Germano: This has been happening little by little over time.

Ridley: Is there a particular species that they eat?

Noel: Moths. Especially those moths that can devastate crops. It has been estimated that bats save a billion dollars each year in crop production especially corn and tomato.

Lyda-Kraft: You mentioned wind turbines affecting bats. Please explain.

Noel: There is documentation that the wind turbines do impact bats and wind farms do affect migratory patterns. From what we know this really affects the Horry bat and not so much the Western Red Bat. Or, we really don't know.

Lyda-Kraft: Will you be able to see the impact on turbines on the Western Bat?

Noel: No, I do not plan to go to Tehachapi.

Germano: Remember, this is a Masters Thesis! There is not enough time.

Sumaya: Tell me more about the California Department of Fish and Wildlife and Game permit that you submitted with your protocol that is issued under the name of Dave Johnston. Who is he and what is your connection with him?

Noel: He is a Bat Biologist, Ecologist, and a Researcher that is adjunct faculty at San Jose State. He also does telemetry work. I met him at a conference and it was there that we connected and he offered to serve as a committee member. He will also be supervising the data collection.

Gancarz-Kausch: Can you talk about the transmitter that you will attach to the bat?

Noel: Here are pictures that you can see how small it is and that it is. After you capture the bat with a miss net you hold the bat carefully and trim back the hair and apply surgical grade glue and attach the transmitter.

Sumaya: How is the stress level of the bat? What is the timing of doing this?

Noel: It can be very quick. Usually takes a minute or two. No longer than 15 minutes. Goes to a individual closure until the glue dries. 10 15 minutes, then released.

Sumaya: You have training, right? To provide initial care for a bat is injured.

Noel: Yes, I operate under the CALM rehab permit.

Ridley: What is the life of the battery? Does the transmitter fall off?

Noel: Yes, we try and retrieve it. They have been known to groom the transmitter off.

Lyda-Kraft: Do they struggle a lot?

Noel: Yes, they do but we wear gloves and although they bite their mouths are very small and their bite doesn't break the skin.

Sumaya: What is the mortality rate capturing the bats?

Noel: I have not had a at die in my experience.

Germano: Remember, this procedure has been approved by the CA Department Fish and Game and Wildlife so this is very regulated to protect the bat. Noel then went into detail about the netting procedure that is listed in her protocol.

After there were no more questions, the board went into executive session asking the researcher and sponsor to sit outside to wait for their decision. The board all agreed that her research was very interesting and that there were no changes to be made. Lyda-Kraft moved to approve the protocol with no conditions. Filkins seconded (6-0).

Outside of issues that relate to the protocol, Lyda-Kraft brought up the issue of funding. There was a discussion on the funding of projects and how the board could assist researchers. Sumaya noted that the IACUC does not approve or disprove projects based on funding. Lyda-Kraft stated that there needs to be some kind of connection between funding and IACUC projects. Gancarz-Kausch brought up the fact that protocols would have to then provide a budget. Sumaya stated that the IACUC does not do that. Lyda-Kraft then said that maybe Dr. Ebong needs to be consulted about helping students find funding. Parnell will follow-up.

ADJOURNMENT: The meeting was adjourned at 2:35 pm.

INSPECTION OF ANIMAL FACILITIES. No inspection at this time. The inspection will occur in the Fall II meeting.

Post meeting discussion. Mylon is retiring at the end of the year! Mylon has suggested Hector Gonzales or Jennifer Aguirre as his replacement. He will reach out to both to see if one of them is interested.

After 18 years of service, Andy Troup has agreed to stay on for another term! Thanks Andy.

