Members Present: T. Brabb  L. Kinman  J. Muster  
A. Burich  S. Libby  M. Newman  
E. Clark  M. Lucas  J. Sullivan  
C. Grue  R. Murnane  M. Tetrick  
C. Hotchkiss

Members Absent: J. Bales  M. Gough  S. Henderson  
S. Cunningham  C. Grue  J. Stoloff  
*R. Murnane alternate for C. Carrier

Opening Business

The IACUC Chair called the meeting to order at 2:32pm.

Protocol Review

Dr. Palmiter, IACUC #2183-02 V.230 “Genetics of Mouse Behavior”

An IACUC member summarized the Significant Change for the IACUC.

The Committee discussed the Significant Change, the main concerns being the use of the drug due to the toxic/lethal effects, the harm/benefit analysis, the duration of water restriction, scientific merit and the overall success of the study as it was not clear whether or not the mice would stop drinking as a result of the effects of the drug. Additionally, the Committee had questions about animal monitoring and endpoint criteria.

A member of the lab was present and responded to the Committee's questions regarding these issues.

When the Committee no longer had questions for the lab member he left the meeting.

The Committee continued to discuss the request. The general consensus was that there were too many unresolved questions to approve the Significant Change as written, and it was suggested that the review be sent to DMR in order to work with the group to address the Committee's concerns.

Motion: A motion was made and seconded to send the Significant Change to DMR and to include a toxicologist in the review. The Director of OAW will work to find an appropriate Toxicologist. The Chair assigned the DMR.

Discussion: None
Vote on the Motion: The motion did not pass with 8 members voting in favor and 5 members opposed.

Approval of the April 23, 2015 IACUC Meeting Minutes

The Chair called for the approval of the minutes.

Motion: A motion to approve the minutes as written was made and seconded.

Discussion: None

Vote on the Motion: The meeting minutes were approved with 10 members voting in favor and 3 abstentions.

Attending Veterinarian's Report

Facility issues:

Humidity: There are still some spaces with low humidity, but no clinical signs have been reported.

Temperature:

- One lab-managed rodent housing space reported a range in temperature of just over 4°F each day on 4/20, 4/21, 5/1 and 6°F on 5/3. The lab worked with facility services and the issue has been resolved. The temperatures stayed within the range provided in the Guide, it was just the daily variation that was greater than it should have been.

- In one centralized facility, the building automation system was updated on 5/4/15 and during that process there were some issues in the programming that caused a pump to not turn on correctly and a pump that had been disabled to turn on instead. This resulted in low temperatures in some rooms housing rodents and rabbits. This occurred between 1 and 2pm and by 2 pm nearly all of the rooms had returned to normal temperatures. The lowest temperature reported was in a rodent room (61°F) and a rabbit room also dropped out of range to 62°F for a few minutes. One other rodent room, did continue to fluctuate between 67°F and 65°F until the next day. This has been resolved and there was no evidence of adverse effects on the animals (rodents and rabbits tend to tolerate moderate decreases in temperature well).

Adverse events:
On April 27, 2015, four live neonatal mice were found in cages placed in the cage wash in one centralized facility. There was a misunderstanding in communication by the animal technician who found the pups with regarding to reporting this incident. Therefore, the pups were not reported to the facility supervisor or veterinary services until the morning of April 28, 2015. At that time, 2 of the pups had died. Veterinary Services euthanized the other 2 pups. This event has been reported to OLAW.

Protocol Monitoring: There are 17 protocols on the veterinary monitoring program. Ten protocols involved surgery, three involve anesthesia and surgery, and 2 involve restraint and surgery, and 2 involve other procedures.

Protocol 4290-01: The Monitoring Veterinarian recommended that the protocol be removed from monitoring. The protocol was added to the monitoring program in August of 2014 by the Attending Veterinarian because of concerns about the potential for high mortality and inadequate pain control in this project, which looks at cardiac repair post ischemic injury in neonatal rats. Both anesthesia and analgesia present some challenges in neonatal rodents compared with adults. The veterinarian monitoring this protocol suggested it be removed from monitoring as both the anesthetic protocol and the post-procedural pain control have been working well. The mortality seen in the last few months is similar to what should be expected with this type of procedure.

4261-01: This protocol was added to the monitoring program because of concerns identified by the veterinary staff regarding aseptic technique during surgery. This laboratory studies mechanisms involved in cardiac failure utilizing mouse models. Members of the laboratory have been re-trained in aseptic technique, and the monitoring veterinarian will continue to work with the group until it is clear that all members of the laboratory are following aseptic technique consistently and surgery certifications are complete.

OAW Director’s Report

Please see attached.

The Committee was notified that at the June meeting, there would be an emphasis on site visit training.

Policies, SOPs and Guidelines

Guillotine Maintenance SOP – The Committee reviewed the SOP and the key items that should be addressed during site visits, such as frequency of blade sharpening.
Additionally, the SOP would be sent to groups utilizing this method and would also be provided when group members are certified on the procedure.

The Committee noted a few requested changes to the wording of the SOP.

**Motion:** A motion was made and seconded to approve the SOP with modifications.

**Vote on the Motion:** The SOP was approved unanimously with 13 members voting in favor.

**B.1067 Environmental Enrichment for Zebrasfish (dania rerio) Medaka** – The policy, specific to small tropical fish was summarized for the IACUC.

It was noted that the EE Checksheets needed to be developed.

**Motion:** A motion to approve the SOP with the discussed clerical modifications was made and seconded.

**Discussion:** The Committee discussed the inclusion of other fish and it was decided that other types of fish would be handled on a case-by-case basis.

**Vote on the Motion:** The SOP was approved unanimously with 13 members voting in favor.

**Other Business**

**Revised Significant Change Form** – An IACUC member explained that the purpose of the Significant Change revision was to better solicit info from the PI in order to expedite the review. The format and content of the form were summarized for the IACUC.

The Committee discussed the pros and cons of the new form.

The Committee was asked to look over the form and let OAW know if they had any questions or suggestions for improvement.

**IACUC Member Training** – The focus of training was to point out important EE items that the IACUC members should be looking for during IACUC visits.

An IACUC member asked the presenting member to address the harm/benefit of social housing. It was explained that social housing has both harm and benefit. For example, when animals fight, there can be physical harm. Social animals benefit from social housing, so the harm benefit does need to be taken into consideration.
Potential injury is not a good justification for not housing social species, unless there is very strong scientific justification for an exemption.

Closing Business:

The meeting was brought to a close at 4:13pm and the floor was opened to public comment.