

University of Washington
April 20, 2023 IACUC Meeting Minutes

Members Present: AB ES JS MK – 2:50pm
CC GS KG MRB
DT GL MB SRH
JFI MS
JPVH

Members Absent: AP MRK
AW SP
DM

Opening Business

- The Floor was opened for public comment at 2:31 pm.
- The IACUC Chair called the meeting to order at 2:43 pm.

Confirmation of a Quorum and Announcement

- Quorum was confirmed by ZR.

Approval of the IACUC Meeting Minutes

- The IACUC Chair called for the approval of the March 16, 2023 meeting minutes.
Motion was made and seconded: to approve the minutes as written.
Further Discussion: *none*
Vote: Approved with 12 members voting in favor, 0 against and 2 abstentions.

Attending Veterinarian's Report – CC

· I have checked with the leadership at all sites and have no reportable facility events for the committee at this time.

· I do have one animal adverse effect to report.

On February 20th, two mouse pups of ~2 weeks of age were found dead in cage during routine health checks. The only other animal present in the cage at that time was an adult male mouse that appeared to be in good health. There was adequate food in the cage and water was available. There was no evidence of trauma to either of the pups.

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Upon investigation, it was confirmed that a room technician had removed a dead adult mouse from the same cage on 2/15/23. At that time, they had checked the sex of the carcass and determined it to be male in error.

The room technician was relatively new but had completed all required training. They have been re-trained by the supervisor both on sexing mice as well as on the guidelines for identifying and reporting orphaned pups.

Update on Protocol Monitoring - We now have a total of 24 protocols with ongoing enhanced monitoring. One protocol was removed from monitoring after the protocol was archived due to completion of research. Of these 24 protocols, 9 protocols are actively performing the procedure for which they are on monitoring.

OAW Director's Report – JFI

IACUC metrics – The metrics are posted under Supporting Documents in the meeting folder

Responses to Letters & Other Follow up –

In February the IACUC voted to send a letter of reprimand following an incident in which 40 mice on a tumor study were not monitored or euthanized in accordance with their protocol. The PI responded, confirming the accuracy of the report, and confirming the corrective actions that were reported to the IACUC. This included reviewing the protocol and relevant IACUC policies with all personnel, and instituting a standardized monitoring form that includes monitoring criteria and scheduled euthanasia date. The PI also thanked the committee for their work on behalf of animal welfare.

In March the IACUC voted to send a letter of counsel following an incident in which 10 mice were given a higher-than-approved dose of insulin during an insulin tolerance test. The IACUC specifically asked for more information about the dose calculation process. The PI responded confirming that the spreadsheet has been updated for clarity, including highlighting relevant cells and providing representative examples of calculations and appropriate dosages. The PI also confirmed that they have been consulting with their OAW liaison on this process.

Noncompliance –

On 2/21/23, two non-human primates received Buprenorphine-SR that was past its discard date. This is an injectable drug that comes in a multi-dose vial. According to the manufacturer, the bottle should be discarded 28 days after first puncture. In this instance, although the bottle had not yet reached its expiration date, the bottle was 40 days after first puncture. The error was due to the bottle not being appropriately labeled at the time of first puncture on 1/11/23, such that it was not obvious to the individual retrieving the drugs later that the bottle had already been

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punctured. The error was discovered during an internal records review of the controlled substance log and was immediately self-reported at that time. All personnel in that facility that interact with controlled drugs have been re-trained on appropriate labeling of puncture date and discard date.

The two animals that received this drug were also receiving an NSAID to provide multimodal analgesia. The animals were monitored daily, and there were no observed signs of pain or distress, and no signs of a reaction or infection at the injection site. This incident was reported to OLAW.

On this topic, a study published in 2022 in the Journal of the American Association for Laboratory Animal Science (JAALAS) suggests that Buprenorphine-SR in multi-dose vials can be maintained as sterile for at least 6 months past the first puncture date. At least one other institution has a policy in place allowing use of Buprenorphine-SR beyond 28 days after first puncture. We are currently evaluating whether a similar policy may be reasonable for our institution, but that is still in the information-gathering stage.

Standard Operation Procedures

- Standard Procedures – AS
 - 13 procedures with changes; 12 procedures without changes. A summary of the changes is included under Supporting Documents in the meeting folder.
- Motion was made and seconded: to approve the standard procedures as written.
- Further Discussion: *none*
- Vote: Approved with 14 members voting in favor, 0 against, 1 abstention.

IACUC Training

AWA Regulations and Recommendations from The Guide pertaining to nonhuman primate psychological well-being plan requirements were presented. A summary of the WaNPRC Psychological Well-being Plan was presented. The training included tips for site visitors for assessing nonhuman primate enrichment.

Closing Business:

The Meeting was brought to a close at 3:21 pm.