University of Washington
December 18, 2014 IACUC Meeting Minutes

Members Present:  J. Bales   M. Gough   J. Muster
                 T. Brabb   C. Grue   M. Newman
                 C. Carrier   C. Hotchkiss   J. Stoloff
                 E. Clark   P. Lang   J. Sullivan
                 S. Cunningham   S. Libby   M. Tetrick
                 C. Goodwin   M. Lucas

Members Absent:  A. Burich   S. Henderson   M. Gough

Opening Business

The IACUC Chair called the meeting to order at 2:31 pm.

Items for Review: The IACUC was reminded that this was the first meeting where items for review were provided electronically rather than paper copies. There were some paper copies available if needed.

Minority Report: The IACUC Chair explained that a member of the IACUC had submitted a minority report, in response to the VVC Policy. The report would be sent to the IACUC in January as part of the Semiannual Program Review.

Protocol Review

Dr. Fuller, 4266-01 V.16 “Immunogenicity and Efficacy of Therapeutic SIV Vaccines in Nonhuman Primates”

A Reviewer from the Office of Animal Welfare (OAW) summarized the Significant Change and the concerns raised by the IACUC that necessitated review at an IACUC meeting. It was explained that the purpose of the protocol was to look at SIV vaccines in nonhuman primates. As part of this research, the group is examining potential vaccines and vaccine techniques to prevent infection. The Significant Change was for the approval of additional sampling time points (up to 4 mesenteric lymph node biopsies) and the inclusion of a laparoscopic procedure. The main concerns are the increase in the number of survival surgeries and the potential complications due to adhesions.

The Committee discussed the rationale for the laparoscopic procedure. There was some confusion about the cell counts and how the cells were collected from each site and how the information would be compared between different sites. A member of the lab was present and explained the collection procedure. It was also explained that during the procedure, a WaNPRC veterinarian would be present.

Motion: A motion to approve the Significant Change was made and seconded.
Discussion: A member of the IACUC asked about the procedure from an animal welfare perspective. A veterinarian explained that there were ethical concerns due to the number of procedures. From a medical point of view, the procedures are done routinely in many species. The Committee discussed the issue of adhesions that would potentially occur due to the procedure, which would increase the invasiveness, and may also prevent the group from being able to complete the procedures. It was clarified, that this procedure would be less invasive than a laparotomy?, but would require more surgeries?. The Committee discussed the timing of the biopsies in relation to the jejunal resection. It was clarified that these procedures have not been conducted together at the University of Washington. Concern was not that the jejunal part would break down (fall apart? Or not get done?), but more related to intestinal ileus, which a disruption of the normal propulsive ability of the gastrointestinal tract affecting the ability of food to pass through the intestines.

The Committee also discussed that an updated Multiple Major Surgery table was not included with the Significant Change and would be required.

- Categorization of the laparoscopic surgery as Major or Minor
  The Committee felt that before they could make a decision about the Significant Change, the laparoscopic surgery should be classified as major or minor. The Attending Veterinarian provided examples of major and minor surgeries. It was stressed, that moving forward for this specific laparoscopic surgery, the decision of major or minor should be applied to all others.

  Motion: A motion to consider this specific laparoscopic surgery as a minor surgery was made and seconded.

  Discussion: None

  Vote on the Motion: The motion passed with 16 members voting in favor and 1 member opposed.

Fuller Review Continued:

Motion: A motion to turn the Significant Change over to Designated Member Review (DMR) was made and seconded.

Discussion: Items that would require clarification during the DMR process were:

1) Clarification of the use of surgical gloves. 2) The Multiple Major Surgery Table would need to be completed. 3) A 4-week recovery period should be included in between surgical procedures or strong justification for a 2-week window prior to the surgery should be included.
The Committee discussed putting the protocol on the Veterinary Monitoring Program and it was decided that it should be added to Veterinary Monitoring.

**Vote on the Motion:** The Significant Change was not approved with 11 members voting in favor and 6 members opposed.

**Approval of the November 20, 2014 IACUC Meeting Minutes**

The IACUC 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 16 members voting in favor and one abstention.

**Attending Veterinarian’s Report**

**Facility issues:**

**Humidity:** Out of range humidities had been reported in most of our rodent facilities and no clear signs of disease had been noted. The primate center has also had variation in humidity in the facilities where the humidity cannot be controlled, but clinical signs associated with those changes have stopped. In one facility where the humidity control failed (and has since been repaired) three animals displayed epistaxis (nosebleed) presumably associated with this drop in humidity.

**Temperature:** There was one environmental chamber in a recently centralized facility where the temperature in the chamber had been set at 20°C (or 68°F) for an experiment involving rats. This had just been discovered as this area was just centralized. Because the chamber has some slight variation in temperature, there are occasional times where the temperature was dropping slightly below 68°F and thus outside the range of the Guide (68-79°F). There were no health effects at the lower temperatures. The experiment investigating various aspects of circadian rhythm had been going a month, and changing the set point now would add a variable.

**Motion:** A motion was made and seconded to allow the experiment to continue with a set point that is within the range of the Guide, even though slight variations outside of the range were expected. Chamber variations approval: Thea moved to approve a temp variation for the completion of this study.
Discussion: The Committee discussed the health of the rats, which were doing fine and had shown no health effects associated with the temperatures. It was also noted that the experiment would be concluding in approximately 3 weeks.

Vote on the Motion: The temperature variance was approved unanimously with 17 members voting in favor.

Adverse events:
Protocol 4130-04: This lab recently started a project involving aged rats. The laboratory had always worked with mice previously. In their first experiment, one rat was administered avertin intraperitoneally while it was under isoflurane anesthesia as a method of euthanasia. Avertin is not approved for euthanasia for rats because the volume needed to cause euthanasia is too large and the time to death is prolonged. However, this rat was anesthetized when the avertin was used so no harm came to the rat. Avertin was not approved on this protocol for rats and it is an unapproved method of euthanasia for rats (it is an approved euthanasia method for mice).

Motion: A motion was made and seconded to send the investigator a letter of counsel to carefully follow their approved protocol.

Discussion: None

Vote on the Motion: The motion passed unanimously with 17 members voting in favor.

Protocol Monitoring:
There are 17 protocols on the veterinary monitoring program. No protocols have been added to protocol monitoring this month. Two protocols have been removed from veterinary monitoring: 2110-03, which involved chronic IP administration of oil to mice, was removed as some pathological changes were noted and the group thus no longer intends to pursue this particular project. Protocol 4105-01, which involves the implantation of tumors in mice, was also removed from protocol monitoring. The protocol liaison will provide oversight as needed, in place of veterinary monitoring. The remaining protocols that were active progressed as expected, thus I am not presenting any detailed updates this month.

Office of Animal Welfare Director’s Report

Copy to Committee Report

Since the November 20, 2014 meeting there were 108 items that were sent to the IACUC. There were 14 that were urgent and were sent via email and the rest were posted on Catalyst. There were 5 new projects, 41 renewals of which, 15 were 3-year renewals requiring a complete Project Review Form. There were also 62 significant or minor changes. The IACUC has completed its approval process for most of these items,
although some are awaiting final approve due to holds for items such as EH&S approval, OH review or revisions from PI’s.

**Liaison Trend Report:**
November – 51 meetings occurred out of 77 (26 didn’t occur because of non-responsiveness or postponement). 94% no issues; 15 administrative fixes and 5 amendments.

**Responses to Non-compliances:**
No responses to non-compliances to report.

**Non-compliances:**
No non-compliances to report.

**Housekeeping Items:**

*Training:*
Feb. 23, 2015 – NWABR IACUC member training – registration will be coming out towards the end of the year.

Assessing electronic database options for protocol submission, review and storage – join the Users Advisory Group.

IACUC Sharepoint site – will be storing relevant documents.

**Robinson Annual Review of USDA Exemption:**

A member of the IACUC explained that the IACUC and the USDA approved the exemption. The approval period is March 1, 2014 through March 1, 2016. The exemption allowed for 5 major operative procedures involving cranial implants, specifically:
1) one surgical session to implant a new eye coil into the naïve eye.
2) two surgical sessions to replace the eye coil in either eye.
3) two surgical sessions to repair head lugs.

A summary of the animal’s clinical history was provided to the Committee as well as information on the animals’ progress on the protocol and an explanation of why he should remain on study.

Site Visit Check Sheet and Training. A member of the Committee explained that the site visit worksheet had been revised and summarized the changes. The IACUC had been moving towards electronic completion of this form rather than the use of paper and a member of the Office of Animal Welfare provided training for the IACUC on how to use
the electronic form. It was recommended that IACUC members that are not comfortable with the tablet should come to OAW 15 minutes before the site visit for a brief training session.

Suggestions for modifications were made and noted and it was proposed that the form be reevaluated for improvement on an ongoing basis.

USDA Category E Subcommittee. It was explained that a subcommittee was being established to determine the USDA classification of Protocols identified as potentially containing USDA Category E procedures.

**SOPS/Polices/Guidelines**

Experimental Tumor Growth Monitoring and Endpoints:
A veterinarian summarized the changes that had been made to the policy.

**Motion:** A motion to approve the policy was made and seconded.

**Vote on the Motion:** The policy was approved unanimously with 16 members voting in favor. One member had left the meeting and was not present for the vote.

**Closing Business:**

The meeting was brought to a close at 4:27pm.