University of Washington  
August 20, 2015 IACUC Meeting Minutes

Members Present:  MSB*  CJ  JS
       TB  SL  MT
       AB  ML  JPVH**
CG (scientist)  JM

Members Absent:  JB  MG  CH
       SD  CG (public)  NK  JS

*Alternate for MN 
**Alternate for EC

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

Approval of the July 23, 2015 IACUC Meeting Minutes
The IACUC Chair called for the approval of the minutes.

Motion: A motion was made and seconded to approve the July Meeting Minutes.

Discussion: None.

Vote on the Motion: The Meeting Minutes were approved with 10 members voting in favor, and 1 abstention.

The Attending Veterinary Report

Facility issues:

• Humidity: No reports

• Temperature: One decentralized rodent (rat) housing space reported a low temperature (65.9°F) on July 15, 2015. Facility Services was called and the problem was fixed by July 16, 2015.

Protocol Monitoring: There are 16 protocols on the veterinary monitoring program. Ten protocols involve surgery, two involve anesthesia and surgery, and 2 involve restraint and surgery, and 2 involve other procedures.

OAW Director’s Report
Weekly CTC
The Director reminded the IACUC that the review cycle has transition to weekly rather than every 2 weeks. While it seemed to be working well, she asked that any concerns be directed to the OAW.

**Report on Non-Compliance**
The OAW Director reported 3 instances of non-compliance.

- **Protocol 2153-08**
  Non-compliance: Unapproved anesthetic event on a protocol.
  The ultimate goal of these studies is to gain a better understanding of the molecular basis of drug addiction, a malleable form of motivated behavior. To do this the investigators do a stereotaxic intracranial injection of viral particles or retrograde neuronal tract tracers and suture the incision site post injection. One mouse had surgery on 5/28 (intracranial injection of lentiviral vector, SC v.137). Three days later, the technician noticed that one of the sutures had come undone. So, he re-anesthetized the mouse (iso and local anesthetics), cleaned and re-prepped the incision site, and repaired the suture. He did not call Vet Services or submit a sick animal report. The incision healed as expected and the mouse stayed on study without any further incident. The mouse has since been euthanized and tissues collected for analysis. Individual has been retrained. This incident has been reported to OLAW.

  **Motion:** A motion was made and seconded to send a Letter of Counsel to the PI asking him to reply back to the Committee regarding steps that have been taken in order to prevent future occurrences of this nature.

  **Discussion:** A Committee Member asked how this issue was discovered and the OAW Director explained that all three issues were found during Post-Approval Monitoring and Site Visits, which speaks well for the processes of monitoring. The Attending Veterinarian noted the importance of notifying Veterinary Services when unexpected issues such as this one arise. The IACUC Chair asked that Scientific Liaisons remind PIs to contact Veterinary Services with any concerns.

  **Vote on the Motion:** The motion passed unanimously with 10 members voting in favor.

  CJ was not present for the vote.

- **Protocol 2797-04**
  Non-compliance: 10 mice did not receive evening dose of buprenorphine post-castration.
  The purpose of this protocol is to determine in a preclinical setting the mechanisms associated with development of more aggressive prostate tumors and potential therapy for treating and preventing the development of aggressive disease. The protocol involves castration of mice. Ten mice did not receive their evening dose of buprenorphine because of a miscommunication when there was a staffing change.
Staffing issues have been resolved and no mortalities were associated with this event. This incident has been reported to OLAW.

**Motion:** A motion was made and seconded to send a Letter of Counsel to the PI asking him to reply back to the Committee regarding steps that have been taken in order to prevent future occurrences of this nature.

**Discussion:** This was discovered during a site visit, and was evident in the records, which were well kept.

**Vote on the Motion:** The motion passed unanimously with 10 members voting in favor.

CJ was not present for the vote.

- **Protocol 4306-01**
  
  Non-compliance: 3 missed care days for approximately 400 zebrafish.
  
  This project is designed to evaluate the utility of zebrafish to identify novel pathways mediating osteogenesis. This research has the potential application toward the development of interventions in bone loss and other pathologies associated with abnormal neuronal and/or muscular function (such as disuse, neurological trauma, paralysis, and aging). Three animal care days were missed between February and June of 2015. One event was due to a building access issue, and the other two events were due to forgetfulness. The PI was aware of each situation and has done his best to address the root cause of each. Access issues have been resolved, and the forgetful individual is no longer working in the lab. No mortalities were associated with this event.
  
  This incident has been reported to OLAW.

  **Motion:** A motion was made and seconded to send a Letter of Counsel to the PI asking him to reply back to the Committee regarding steps that have been taken in order to prevent future occurrences of this nature.

  **Discussion:** None.

  **Vote on the Motion:** The motion passed unanimously with 10 members voting in favor.

  CJ was not present for the vote.

**Policies, SOPs and Guidelines**

- **Rodent Cage Sanitation Frequency Policy**
The Cage Sanitation Policy had been revised after the Committee discussed it at the July 23, 2015 IACUC Meeting. The policy outlines the timeline for cleaning ventilated and static cages. The language in the policy was clarified and references were updated.

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

**Discussion:** It was suggested that the word four should be changed to the number 4 for formatting consistency.

**Vote on the Motion:** The policy was approved unanimously with 11 members voting in favor.

- **Number of Mice Maintained in a Breeding Cage Policy**
  The policy was revised to reflect the discussion at the last IACUC meeting regarding required cage card content. The Attending Veterinarian emphasized that it is the PI's responsibility to accurately label the cages although DCM staff may help facilitate the process.

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

  **Discussion:** The Committee discussed the process for notify the PIs of policy changes. The OAW Director said they are considering solutions to facilitate that process.

  **Vote on the Motion:** The policy was approved unanimously with 11 members voting in favor.

- **Recommended Analgesics**
  Dr. Brabb summarized the changes made to the document. It was noted that analgesia for nonhuman primates was removed as it is covered under a separate policy.

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

  **Discussion:** This policy outlines the official recommendations for dosage but Vet Services should be consulted for the timing to administer the drugs.

  **Vote on the Motion:** The recommended analgesics document was approved unanimously with 11 members voting in favor.

**Protocol Review**
**Dr. Horwitz IACUC Protocol 4167-01 “Neurophysiology of Vision” Version 77**

An IACUC member explained that the purpose of the research was to show how the brain processes sensory information and how different visual pathways contribute to visual function. As part of this research the group utilizes non-human primates trained for
specific task performance that have been surgically instrumented with devices to collect data that address specific scientific questions.

The Significant Change was for approval for one general repair surgery for animal #A10101. The behavioral assessment and clinical history of the animal were summarized and full reports were provided. A representative from the WaNPRC was available to answer any questions raised by the IACUC.

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

**Discussion:** None.

**Vote on the Motion:** The Significant Change was approved with 10 members voting in favor, and 1 abstention.

**Site Visit Deficiency Review**
The OAW Director reminded the IACUC that the site visit deficiency summaries were available on the shared site. The IACUC was reminded to let the OAW know if they have questions or suggestions regarding classification of the deficiencies. The intent of the monthly review was to bring issues to the Committee’s attention in real time rather than every 6 months as part of the Semiannual Program Review. The Committee discussed some of the requirements for deficiencies noted (e.g., storage requirements for feed).

**Protocol Pre-review: An Introduction**
An OAW Reviewer presented information about the new protocol pre-review process that the Lean Team had implemented. Please see attached slides.

**IACUC Training**

- **Adverse Events**
The CTC process is being modified to specifically call out Annual Renewals with any unexpected events or adverse events, morbidity or mortality. These Annual Reviews will be marked as ADVERSE in the CTC. Since there are not many of these events, the Chair requested that every member read these reports and respond with any questions or indicate “No Questions” on the CTC.

- **Site Visits**
As a reminder, the Chair asked the IACUC Members that while on site visits, if there are any concerns about an animal or just an impression that warrants additional review, they should contact Veterinary Services and ask them to meet the site visitors to review the issue. If immediate follow-up is not an option, IACUC members should make a note of the animal number, location, protocol number, and PI in the note sections of the Site.
Visit Form and OAW will follow up. However, if the animal requires immediate attention Veterinary Services should be contacted for an immediate assessment. Contact information for Veterinary Services is available on cards in the Surfaces provided for the visits.

Closing Business:
The meeting was brought to a close at 4:02 pm and the floor was opened to public comment.
### New Projects
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### Admin Change
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### Total Items
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### Liaison Report

<table>
<thead>
<tr>
<th># meetings</th>
<th>% perfect</th>
</tr>
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<tbody>
<tr>
<td>40</td>
<td>92.5</td>
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### Protocols and People

<table>
<thead>
<tr>
<th>Protocols</th>
<th>UW Protocols</th>
<th>Partner institution protocols</th>
<th>total</th>
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<tbody>
<tr>
<td>Active Protocols</td>
<td>461</td>
<td>33</td>
<td>494</td>
</tr>
<tr>
<td>Principal Investigators</td>
<td>347</td>
<td>28</td>
<td>369</td>
</tr>
<tr>
<td>Personnel on Protocols</td>
<td>2463</td>
<td>165</td>
<td>2606</td>
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</table>

### Protocol Items past 12 months

| New protocols | 62 |
| 3-year reviews | 126 |
| Annual renewals | 290 |
| Significant Changes | 806 |
| Grant concurrence reviews | 636 |

### The Animals

<table>
<thead>
<tr>
<th>Species</th>
<th>Number of Species</th>
<th>Total animals (in 2014)</th>
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<tbody>
<tr>
<td>RODENT</td>
<td>72</td>
<td>389</td>
</tr>
<tr>
<td>PRIMATE</td>
<td>69</td>
<td>389</td>
</tr>
<tr>
<td>BIRD</td>
<td>16</td>
<td>389</td>
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<tr>
<td>FISH</td>
<td>47</td>
<td>389</td>
</tr>
<tr>
<td>MARINE MAMMAL</td>
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<td>389</td>
</tr>
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</table>

### Animal use spaces

- buildings / facilities: 26
- rooms: 851

### Protocols by USDA Species

- Deer: 1
- Sows/Culven: 1
- Wild Rodents: 2
- Sheep: 2
- Hamsters: 2
- Ferrets: 2
- Cimagars: 2
- Bears: 2
- Gerbils: 2
- Cats: 3
- Bats: 4
- Guinea Pigs: 9
- Dogs: 15
- Rabbits: 17
- Pigs: 22

### Protocols by Species Group

- MARINE MAMMAL: 1
- REPTILE: 4
- MULTIPLE - FIELD STUDY: 11
- AMPHIBIAN: 13
- BIRD: 16
- FISH: 47
- PRIMATE: 69
- USDA: 72

### Proportion of Protocols with multiple species

- 1
- 2
- 3
- 4
- 5

- 20%
Protocol Pre-Review

Beginning August 2015, OAW is currently piloting Protocol Pre-Review to help streamline IACUC protocol reviews as well as align processes with the future Huron eIACUC solution.

The overall goal of Protocol Pre-Review is to provide a better protocol item to the IACUC. Key objectives of the pilot include:

- Improved **protocol quality and completeness** to the IACUC.
- **Educational** opportunity on protocol preparation.
- Alignment of business processes with **Huron eIACUC solution.** Pre-Review is a key workflow component of eIACUC solution. Establishing this process change ahead of the technical solution will enable a smoother transition during implementation.
- Set stage to further **expand Designated Member Review** by IACUC.
A phased approach to implement Pre-Review will provide important feedback during the initial pilot as well as allow time for partner departments to conduct changes.

**Phase I (Pilot):**
- OAW Review (required prior to CTC)
- EH&S (optional)
- Vet Review/Consultation (case-by-case)
- WaNPRC (optional)

**Phase II:**
- Continuation of Phase I with all above components required prior to CTC

**Phase III:**
- Phase I and Phase II complete with IACUC DMR participation*

*Prior to moving to Phase III, the Office of Animal Welfare will work closely with the IACUC to ensure any necessary training is provided and phase II has completed successful sign off.