

WASHINGTON STATE UNIVERSITY

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE

Meeting minutes February 24th, 2021

Voting Members: MCt, NW, SJ, GG, MHk, CCu, SN, MB, LF, SM, JW, MS, RK, JK, LO, AA, JB

Alternate Members and Staff: AE, CH, KK, VC, MK (alternate), JD (OCV Vet – Joined 3:40pm)

Quorum: 17 of 22 voting members present

I. Call to Order

- Meeting called to order at 3:01 pm.

II. Full Committee Review and Approval

- *Minutes of January 2021 meeting*
The minutes of the last meeting were reviewed. ~~A couple~~ Several revisions were submitted via email. There was one additional suggestion from the committee that was incorporated into the minutes.

Committee action: By a majority vote of a quorum, the committee approved the minutes as written.

15 Approved, 0 Opposed, 2 Abstained

III. Report by the Attending Veterinarian

- The AV presented the following Adverse Events that were received in February
 - *ASAF 6506:* This ~~is a~~ protocol ~~that~~ involves perfusion of a tracer under anesthesia to investigate toxicity in fish. The group performed perfusions as normal on six fish using the Evan's Blue Dye tracer both alone and in combination with another tracer and all fish went into cardiac arrest before the procedure was completed. The fish were under anesthesia when this occurred so there were no animal welfare concerns, but the research group is looking into alternative options to Evan's Blue Dye. An amendment has been recently submitted for the protocol to update the adverse events section and to add alternative tracers.
- The AV presented the list of VVCs approved in February. There were no questions from the committee.
- The AV updated the committee on the following items:
 - *ASAF 6686:* This protocol uses laboratory mice to investigate the anti-tumoral properties of a photodynamic compound that is expected to destroy tumorous cells upon focal exposure to a laser beam. Previously, ~~a group of a group of~~ five mice became lethargic after treatment, and were subsequently euthanized. More recently, Another group of mice was more recently treated with a lower dose of the photodynamic compound and shorter duration of laser exposure and all recovered. They did experience minor lameness that was treated with

analgesic ~~drugs.treatment after experiencing minor lameness.~~ The mice from the first group were submitted for necropsy and the results from the, ~~for which the~~ histology ~~tests are-is~~ still pending.

- *ASAF 6816*: This is a bone implant study ~~using in~~ rats, ~~that-which had~~ previously ~~had-experienced a-few~~some adverse events ~~involving-involving~~ unexpected bone fractures. A new experimental group underwent ~~the~~ surgery using ~~the-a~~ revised implant size ~~and-reached the-planned-experimental-endpoints.~~ The animals successfully reached the planned study endpoint without any ~~No~~ complications ~~(including or fractures)-occurred, and, r~~Radiographs confirmed proper implant placement.
- *ASAF 6082*: This ~~is-a~~ protocol ~~that~~-uses pine siskins to study bird migration cues and behaviors. A group of nine wild-caught birds were found dead or ~~had-to~~ ~~berequired euthanasia-euthanized~~ shortly after being brought ~~back-to~~ the housing facility at WSU. A necropsy of one of the deceased birds revealed a salmonella infection. Wild pine siskins have recently experienced a population ~~er~~ruption and an outbreak of salmonella was noted in ~~them-this species~~ by Fish and Wildlife. The group plans to coordinate with Fish and Wildlife and more closely examine wild-caught birds prior to bringing them to WSU in the future.
- *Eastlick Aquatics Facility*: Construction of this facility has begun.
- *Bear Center Job Opening*: There is a new job opening at the bear center for a manager position.
- *Adoptions*: 20 horses, 29 zebrafish, 18 beta fish, 6 alpacas, and 6 pigs were adopted out by WSU in 2020.

IV. IACUC Activities

- Holding protocol: none
- USDA Remote Inspection
The USDA completed an un-announced remote inspection this month, which was focused on records and protocol review. ~~There were n~~No non-compliant items ~~were~~ noted, and a clean inspection report was received.
- Spring Site Visits
The 2021 Spring Site Visits are scheduled to begin next month.
- IACUC Member Training – Facility Inspections
The AWP Assistant Director presented a PowerPoint on facility inspections for the IACUC members.

- Two record requests are in the process of being completed.

V. Post-Approval Review Report

Reporting Period: January 27th, 2021 – February 24th, 2021

The PAR Review did not have any updates for the committee.

PAR Totals			
E Class	D Class	C Class	B Class
2	1	0	0

Summary of Findings	
<i>Sx/ Aseptic Technique</i>	0
<i>Surgery/ Anesthesia/ Analgesia/ Medical Records</i>	0
<i>NonSx Proc</i>	0
<i>Drug & Chemicals</i>	0
<i>Personnel/ Training Records</i>	0
<i>Procedure Location</i>	0
<i>Husbandry/ Facility</i>	0
<i>Euthanasia</i>	0
<i>Protocol Amendments/VVC</i>	0
<i>Other</i>	0
<i># of Total Table Tops & Observations</i>	3

VI. Minority Report

VII. Adjournment

- Meeting adjourned at 4:40 PM.
17 Approved, 0 Opposed, 0 Abstained
- Future IACUC meeting dates –
 - 2021 (**Cue 512 or Zoom**): January 27, February 24th, March 31st, April 28th, May 26th, June 30th, July 28th

Appendix 1: Protocols Resolved since the last meeting

# New Protocols	#Amend	#Expired	#Annual Renewals	#VVC	#Adm. Amend
10	10	5	25	6	15

Appendix 2: IACUC Training since the last meeting

Training course	# Participants
<i>Principles of Animal Care (Formerly AAS)</i>	17
<i>Refresher: Principles of Animal Care</i>	9
<i>Occupational Health and Training-Animals</i>	16
<i>Satellite Animal Housing Location Training</i>	7
<i>Aseptic Surgical Technique Online</i>	5
<i>Aseptic Surgical Technique Hands-On</i>	6 + 1 DVM exemption
<i>Basic Rodent Handling Hands-On (including euthanasia)</i>	5
<i>Rodent Euthanasia</i>	0
<i>Verification of Euthanasia Proficiency</i>	0
<i>IACUC SOP 9, 11, 12</i>	0
<i>Research Specific</i>	2
<i>Anesthesia (USDA-covered species)</i>	0
<i>Tubing Cattle and Sheep</i>	0
<i>Herd Health (species specific)</i>	0

Appendix 3: Protocols currently under review

Currently Under Review	Pending 6+ months
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- The AV presented the list of VVCs approved in February. There were no questions from the committee.
- The AV updated the committee on the following items:
 - *ASAF 6686:* This protocol uses laboratory mice to investigate the anti-tumoral properties of a photodynamic compound that is expected to destroy tumorous cells upon focal exposure to a laser beam. Previously, a group of five mice became lethargic after treatment and were subsequently euthanized. Another group of mice was more recently treated with a lower dose of the photodynamic compound and shorter intensity duration of laser exposure and developed a

Commented [CVA1]: In the previous minutes, I noticed that someone (if I'm not mistaken it was MCt) made this correction throughout the text so I am here anticipating it...



transient mild lameness that was treated with analgesics and recovered within a few days, and recovered without issues. The mice from the first group were submitted for necropsy, and tissue samples from one of them were collected, for which the histology is still pending.

- *ASAF 6816*: This is a bone implant study using rats that previously had a few adverse events involving unexpected bone fractures. The study has recently been completed without issues using a new group of animals. No complications or fractures occurred. Radiographs confirmed proper implant placement. The research group is preparing to replicate the experiments soon.
- *ASAF 6082*: This is a protocol that uses pine siskins to study bird migration cues and behaviors. From A-a group of 9 wild-caught birds, four were found dead in their enclosure or had to be euthanized shortly after being brought back to WSU. A necropsy of one of the deceased birds revealed a salmonella infection. The remaining five were treated with antibiotics. Later, two of them presented injuries and were euthanized. The remaining three developed periocular issues and were euthanized. Samples were collected at necropsy and results are pending. Wild pine siskins have recently experienced a population irruption and an outbreak of salmonella was noted in them by Fish and Wildlife. The group plans to coordinate with Fish and Wildlife and more closely examine wild-caught birds prior to bringing them to WSU in the future.
- *Eastlick Aquatics Facility*: Construction of this facility has begun.
- *Bear Center Job Opening*: There is a new job opening at the bear center for a manager position.
- *Adoptions*: 20 horses, 29 zebrafish, 18 beta fish, 6 alpacas, and 6 pigs were adopted out by WSU in 2020.

Commented [HCE2]: Double check number of pigs. My connection got fuzzy when this number was stated.

IV. IACUC Activities

- Holding protocol: none
- USDA Remote Inspection
The USDA completed an un-announced remote inspection this month, which was focused on records and protocol review. No non-compliant items were noted, and ~~a-three~~ clean campus inspection reports (i.e., Pullman, Spokane, and Vancouver) ~~was-were~~ received. The USDA may be updating their regulations soon, which will be monitored by the AWP staff and incorporated into the protocol forms if needed.
- Spring Site Visits
The 2021 Spring Site Visits are scheduled to begin next month.

- IACUC Member Training – Facility Inspections

The AWP Assistant Director presented a PowerPoint on facility inspections for the IACUC members.

- Two record requests are in the process of being completed.

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17 Approved, 0 Opposed, 0 Abstained
- Future IACUC meeting dates –
 - 2021 (**Cue 512 or Zoom**): January 27, February 24th, March 31st, April 28th, May 26th, June 30th, July 28th

Appendix 1: Protocols Resolved since the last meeting

# New Protocols	#Amend	#Expired	#Annual Renewals	#VVC	#Adm. Amend
10	10	5	25	6	15

Appendix 2: IACUC Training since the last meeting

Training course	# Participants
<i>Principles of Animal Care (Formerly AAS)</i>	17
<i>Refresher: Principles of Animal Care</i>	9
<i>Occupational Health and Training-Animals</i>	16
<i>Satellite Animal Housing Location Training</i>	7
<i>Aseptic Surgical Technique Online</i>	5
<i>Aseptic Surgical Technique Hands-On</i>	6 + 1 DVM exemption
<i>Basic Rodent Handling Hands-On (including euthanasia)</i>	5
<i>Rodent Euthanasia</i>	0
<i>Verification of Euthanasia Proficiency</i>	0
<i>IACUC SOP 9, 11, 12</i>	0
<i>Research Specific</i>	2
<i>Anesthesia (USDA-covered species)</i>	0
<i>Tubing Cattle and Sheep</i>	0
<i>Herd Health (species specific)</i>	0

Appendix 3: Protocols currently under review

Currently Under Review	Pending 6+ months
34	0