

University of Washington  
December 19, 2019 IACUC Meeting Minutes

Members Present:	AB	GS	KG	SL
	AW	JB	KS	SRH
	CH	JM	MB	TH (remote)
	DM (remote)	JPVH	MK	
	FRR	JS	ML	
Members Absent:	JE	SJH		

### Opening Business

- The IACUC Chair called the meeting to order at 2:30 pm.

### Confirmation of a Quorum and Announcement

- Quorum was confirmed by KC.

### Approval of the IACUC Meeting Minutes

- The IACUC Chair called for the approval of the November 21, 2019 meeting minutes.  
Motion was made and seconded: to approve the minutes as written.  
Discussion: *None*  
Vote on the motion: Approved with 15 members voting in favor, 0 against and 3 abstentions.

### Benefit Story

- This month's benefit story brings together monkeys and salamanders in an exciting discovery that could lead to new treatments to prevent AIDS. The story begins with the observation that wild monkeys that are natural hosts of simian immunodeficiency virus—SIV, the monkey version of HIV—do not develop AIDS. In contrast, monkeys that are not natural hosts of SIV will acquire AIDS after infection with the virus. UW researcher Michael Gale led a team of scientists to identify differences in how the two different types of monkeys respond to SIV infection, with the goal of understanding how the natural host monkeys avoid progression to AIDS.

Using 'big data' analysis to detect patterns in cellular response profiles, the researchers found some surprising differences in the two types of monkeys shortly after infection with SIV. The gene expression pattern of the natural host monkeys showed remarkable similarity to the expression pattern of salamanders that are re-growing a lost limb.

Many of the same wound-healing mechanisms that are used to regenerate a salamander limb are activated in response to SIV infection in the natural host monkeys. This wound-healing mechanism was especially active in mucosal tissue.

It is thought that AIDS is triggered by a massive breakdown in the integrity of mucosal tissue after HIV infection, leading to persistent inflammation and systemic immune deficits. Inflamed mucosal tissue is also found after SIV infection in monkeys that are not natural hosts and go on to develop AIDS. The natural host monkeys, with their activated wound-healing mechanisms, do not show signs of inflammation and do not develop AIDS. This suggests that healing of disease-damaged

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mucosal tissue is protecting the natural host monkeys from getting AIDS. It also suggests that treatments to promote healing and regeneration of damaged mucosal tissue could help suppress the development of AIDS in HIV-infected people.

Comparative biology studies like this one that identify mechanisms that naturally protect certain organisms from threats and insults are an excellent source of inspiration for novel therapeutics to cure devastating diseases like AIDS.

### Protocol Review

- Standard Procedure Review – AS

Procedure Name	Species	Changes Made
Biopsy, Mesenteric Lymph Node	NHPs	Related anesthesia and analgesia procedures updated to current version; duration of fasting extended (all species except squirrel monkeys), minor updates to procedure description and monitoring plan.
Biopsy, Lower Gastrointestinal Mucosa (Endoscopic)	NHPs	Related anesthesia and analgesia procedures updated to current version; duration of fasting extended, minor updates to procedure description and monitoring plan
Biopsy, Upper Gastrointestinal Mucosa (Endoscopic)	NHPs	Related anesthesia and analgesia procedures updated to current version; duration of fasting extended, minor updates to procedure description and monitoring plan.

Motion was made and seconded: to approve the Standard Procedures as written.

Further discussion: *None*

Vote on the motion: Approved with 18 members voting in favor, 0 against, 0 abstentions.

### Attending Veterinarian's/OAW Director's Report - KS

- 3 elephant nose fish have been adopted out.
- Training program update: New AUTS trainer started last week. Posted a new on-line training lesson on rodent post-anesthesia and post-procedural monitoring.  
Next up, refreshing the surgery on-line training lesson that is taken prior to the first hands-on surgery training class.
- NWABR IACUC conference is scheduled for February 27, 2020 and Bridging the Gap will take place the following day with participation from the Hutch and UW.
- IACUC metrics- see meeting documents
- USDA routine inspection in Seattle on December 4-6, 2019 with finding of no non-compliant items identified. Inspection report has been posted on the external public facing website.
- Facility issues: No issues to report

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- Protocol Monitoring:
  - Twenty-two total protocols. Of the protocols, 14 involve surgery, two restraint (and sx), one conscious restraint, 1 tumor modeling, 4 miscellaneous (tape skirt, infection, water quality). Seven are inactive right now.
- Adverse Events: No adverse events to report.
- Non-compliance: No non-compliance to report.
- From Arizona - **TH**
  - Facilities items: No items to report.
  - Adverse events: No adverse events to report.

**Other Business**

- Effects of Holidays on Committee Review Packets – **SH/LI**
  - *The IACUC discussed the process for Committee Review packets (during which FCR may be called) and how they are currently affected by holidays. The IACUC then discussed if they wanted to continue allowing extra review days for holidays, or implement a fixed calendar week -- thus 5 business days normally, and 4 business days (or potentially 3 business days for after Thanksgiving) when a holiday occurs). It was noted that our assurance requires only three business days.*

Motion was made and seconded: To no longer add extra days for review after holidays.

Further discussion: None

Vote on the motion: Approved with 18 members voting in favor, 0 against, 0 abstentions.

- Scheduled HoverBoard Outages and Effects on Committee Review Packets – **SH/LI**
  - *The IACUC discussed the upcoming HoverBoard outages and how this will affect the review time allowed for committee packets. Committee packets will not be sent out on the outage dates as HoverBoard will be inaccessible. The IACUC determined that they would like to allow extra days to account for the outage dates. All IACUC members should be vigilant to make the most efficient use of time when HoverBoard is up.*
- Program Review – **LI, TN**
  - For the program review, the IACUC was split into groups and each group looked at specific parts of the program as categorized in the OLAW program review checklist. Each group provided a summary of their discussions and provided their feedback and suggestions for improvement. These will be incorporated into the draft semi-annual report to be reviewed and finalized at the January meeting.
  - The IACUC then looked at the historic trends regarding deficiencies found during facility visits. *The committee discussed the trends and reviewed the few deficiencies that are still outstanding. None affect animal welfare.*

**Closing Business:**

The Meeting was brought to a close at 3:45 pm. The floor was opened to public comment.