

University of Washington  
May 19, 2016 IACUC Meeting Minutes

Members Present:	AF	JB	* *MSB
	CG (Scientist)	JS	MG
	CG (Public)	JFI	ML
	CH	MB	SL
	CJ	* MB	TB

Members Absent:	AB	JM	MT
	JM	KL	NK
			SH

\*Alternate for JPVH

\*\*Alternate for AS

### **Opening Business**

The IACUC Chair called the meeting for order at 2:33pm.

### **Approval of the IACUC Meeting Minutes**

The IACUC Chair called for the approval of the April 21, 2016 IACUC meeting 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 13 members voting in favor and one abstention.

### **The Benefits of Research – JS**

Dogs Test Drug Aimed at Humans' Biggest Killer: Age, Amy Harmon, The New York Times, May 16, 2016  
[http://www.nytimes.com/2016/05/17/us/aging-research-disease-dogs.html?\\_r=0](http://www.nytimes.com/2016/05/17/us/aging-research-disease-dogs.html?_r=0)

Today's Benefit Story is the Dog Aging Project, which was featured in a front page story in the New York Times on Tuesday [5/17/16]. The Dog Aging Project is run by Matt Kaerberlein and Daniel Promislow, two UW scientists who are studying the biology of aging.

The goal is to test a drug, Rapamycin, to see if it can increase not LIFE-span but HEALTH-span, by delaying the onset of age-related diseases.

Rapamycin is an FDA-approved immunosuppressant drug currently used for long-term treatment of humans who have had organ transplants, to prevent rejection. Rapamycin treatment has also been found to extend the lifespan of yeast, flies, worms and mice. The underlying mechanism behind this longevity has not been identified.

The Dog Aging Project will look at the effects of long-term, low-dose Rapamycin treatment in middle-aged dogs, focusing on 'cognitive function, heart function, immunity and cancer incidence.' [Dog Aging Project Website]

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Some key side effects of Rapamycin are related to the decreased effectiveness of the immune system and increased susceptibility to infections.

'Last month, [Dr. Kaerberlein] reported at a scientific meeting that no significant side effects had been observed in the dogs, even at the highest of three doses.' [NYT 5/17/16] And he noted that heart function was improved in the dogs taking the drug, compared with the control group.

The study is being funded by pet owners.

### **Protocol Review**

#### Dr. Kojima, 4310-01, V.12 "A Neuronal Process of the Error Signal That Drives Saccade Adaption"

JI explained that this is a significant change related to a repair surgery. Per IACUC policy, decisions regarding requests for repair surgeries must be made at convened meetings of the IACUC, relevant protocols can and should include provision for one or two repair surgeries, and these requests must include justification of the need for that specific animal to continue in the study, as well as complete medical history.

Background: This group studies the role of different brain areas in the adaptation of eye movements by recording and stimulating the activity of neurons or by activating and inactivating areas of the brain. This project is intended to help neurologists diagnose which part of the brain is damaged based on a patient's eye movement deficits, as well as explore learning, memory, and decision making processes. The group reports that animals on this protocol require substantial training to perform sophisticated tracking tasks.

Version 12 requests 1 repair surgery for A15166, a 3 year old male rhesus macaque, in the event that his eye coil, head stabilization hardware, or recording chamber require repair. This animal underwent his first surgery on February 29th 2016, which consisted of implanting an eye coil and head stabilization. After recovery, the group began behavioral training on April 7th and found that the eye coil was not working. A repair surgery was done on April 19th to remove that eye coil and place one in the other eye.

#### Surgical history:

Unremarkable – one initial surgery and one repair

#### Clinical history:

Unremarkable – appears healthy, recovered from both surgeries without complication

#### Current implants:

Right eye coil

Head stabilization lugs

Question and subsequent discussion about durability of eye coils; some last a long time, others may fail quite soon, for a variety of reasons. It was noted that the repair surgery may be used to repair revise any existing repair, not necessarily an eye coil issue.

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

Vote on the Motion: The Significant Change was approved unanimously with 14 members voting in favor.

### **Hover Board (HB) update.**

AL introduced herself to the IACUC members and explained that she had been charged with HoverBoard (electronic protocol system) Training and Simulation Scheduling. AL summarized some of the key components of HoverBoard.

1. HoverBoard will streamline workflow and simplify management of IACUC processes (i.e., auto-populate meeting agenda with assigned projects, meeting minutes template, member voting, June meeting will incorporate HB)
2. HoverBoard will provide an end-to-end solution for investigators to create, submit and manage animal protocols to IACUC for review and approval through a web-based application.
  - a. This is why member participation in the simulation is so important. This is how IACUC members will be reviewing and approving protocols and amendments.
3. There are ~20 protocols that will be migrated into HB for our Pilot (starting June 1). Two of these protocols will endure a Triennial Review through this new electronic protocol system. This means IACUC member assigned to DMR will need to login to HB and review.
4. HoverBoard is being implemented across UW researchers starting in August during our mass protocol migration. Once researcher protocol(s) is migrated into HB, any future amendments, AR's, TR's will be reviewed and approved in this electronic protocol system.

So far we have ~50% participation of IACUC regular members and alternates for the HB simulation trainings. Please email Tony Nguyen or myself to setup your IACUC member simulation.

There was some discussion about HB and how protocols and amendments will work in the system.

JS discussed "standard procedures" in HB: each standard procedure will get IACUC review. The first 5 are coming out this week in CTC. JS asked the IACUC to review them for typos and grammar, as well as ease of understanding. JS will assign lead reviewers for each and members may be asked to review procedures outside of their field as they should be understandable to all members.

CJ joined the meeting during HB discussion – now 15 present

### **Attending Veterinarian's Report**

#### **Facility issues:**

- Humidity: No recent reports of low humidity.
- Temperature and lights: One centralized facility had wider swings of temperature within a 24-hour period than is allowed (several days within the last month). Some changes were made to the ventilation system and the system is being retested to see if the changes will completely fix the problem.

One decentralized facility had temperatures that were as varied as widely 71 to 78 degrees within one day (April 7th). The thermostat was replaced and it appears to be working normally now.

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**Protocol Monitoring:** There are 15 protocols on the veterinary monitoring program. Eight involve surgery, seven other procedures including one that involves tumor monitoring and two that involve monitoring of behavioral tests. For the one that was added last month due to post-operative infections, four surgeries have been monitored and there are no technical issues that have been observed. All animals have done fine post-operatively.

**Adverse Events:** None

**HBA Committee:**

- Finished review of seizure protocols (5).
- Discussed a protocol regarding transfer of tumor cells intracranially.
- Discussed clinical cases.

TB and JS invited any members with interest to attend its meetings. The HBA will be discussing protocols using electrofishing at the June 13, 2016 meeting.

**OAW Director's Report** - Summary slide in meeting folder

LI stated that there were no new issues to report and no outstanding issues awaiting responses. The summary of activity was posted in the folder, as was the list of deficiencies found during April site visits. Analysis of the past six months of deficiencies will be posted prior to the June meeting.

LI noted that at the June (should be July) meeting the Committee would perform the Semiannual Program and Facility Review. Documents will be placed in the meeting folder. Members were encouraged to review these items prior to the meeting and to come prepared to discuss what may need improvement and what is working well at the UW.

**Closing Business:**

The Meeting was brought to a close at 2:58 pm. The floor was opened to public comment.