

Members Present:	AB	CJ	ML
	MB	JM	MN
	CG	JPVH	SL
	CG	JS	TB
	CH	MG	AS
	AF		
Members Absent:	PB	MT	NK
	JB	JM	

### **Opening Business**

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

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

The IACUC Chair called for the approval of the December 17, 2015 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 10 members voting in favor and 6 abstentions.

### **The Benefits of Research – JS**

The article for this month's benefit segment was 'Improved Animal Models for Testing Gene Therapy of Atherosclerosis.' Liang Du,<sup>1</sup> Jingwan Zhang,<sup>1</sup> Guido R.Y. De Meyer,<sup>2</sup> Rowan Flynn,<sup>1</sup> and David A Dichek<sup>1</sup>

**Name Versus Initials Poll** – The IACUC Chair asked the Committee members to please re-take the poll to determine whether names or initials will be used during IACUC meetings.

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

#### **Facility issues:**

- **Humidity:**  
Low humidity is being reported in most of our animal facilities that do not have humidity control. Low humidity was also reported in the centralized facility caring for NHPs in December, although this month, humidity has been within range. This was previously reported in December and the IACUC requested an update. Facility Services has made a concerted effort to determine why these issues keep recurring in this facility and design a long-term solution. There are several components of that solution. First, not enough steam is reliably available during really cold times, thus, a back-up boiler may be needed. That is being investigated, priced, and located. Second, there are maintenance training issues that are being resolved. Third, they are investigating adding additional sensors in the room to get

more accurate data (rather than only in-duct sensors). Additional updates will be provided in the future as this problem continues to be worked on.

- **Temperature and lights:**

There were range temperatures in one recently centralized area (Dec. 15 and 18), both high and low. No animals were in the rooms and physical plant resolved the issues.

**Protocol Monitoring:** There are 14 protocols on the veterinary monitoring program.

**Adverse events:**

- Protocol 4282-01: This investigative group studies interventional treatments for prostate cancer. They received 15 approximately 3-month-old LPB-Tag transgenic mice from Fred Hutchinson Cancer Research Center on October 1, 2015. According to their approved protocol, the mice would be used immediately in a study to monitor the bio-distribution of magnetic nanoparticles. However, they were not used immediately, as there was some variation in age and some of the mice had not developed tumors yet. On 11/29/15 two mice were reported to veterinary services and found to be lethargic and dehydrated with distended abdomens. They were euthanized, and gross necropsy revealed markedly enlarged prostate tumors exceeding the tumor size limit in the protocol. Veterinary services has met with the group and will facilitate them putting in a significant change with more appropriate timelines and monitoring parameters for this strain of mice. In addition, they have been added to the veterinary monitoring program. This will be reported to OLAW. The Committee did not require further action.
- 4361-01 This groups studies new interventions in the diagnosis and treatment of renal failure. As part of a significant change, they added streptozotocin-induced diabetes in a mouse model to their protocol in order to induce diabetic nephropathy. The individual running the study and the PI consulted with other investigative groups regarding additional monitoring parameters after the study began as they became worried the mice would decline secondary to the development of diabetes. As part of these different parameters, they increased the frequency of blood sampling, outside what was in the protocol, and started administering insulin to some mice (3). No mice were harmed, the amount of blood taken was minimal, however, none of these changes were included in the protocol. Veterinary services met with the group and discussed significant change mechanisms and what constitutes a significant change. We are in the process of facilitating writing of a significant change to add some of the increased monitoring and the potential for insulin administration. This will be reported to OLAW. The Committee did not require further action.

**OAW Director's Report** – Summary slide in folder

**IACUC Training**

Some people still have not completed their training & were asked to do so. EC summarized the training results. Committee discussed whether or not future protocol specific training would be done with the protocol. Yes in some capacity.

**Protocol Review**

- Dr. Fuller, 4266-04 V.30 “Immunogenicity and Efficacy of Therapeutic SIV Vaccines in Nonhuman Primates”

MN summarized the research and explained that the Significant Change was for an endpoint extension and continuing blood sampling to better understand how the host response maintains viral control. Extending the duration of the study for low viral load animals will allow better understanding of vaccine efficacy and durability. The new endpoint would be up to 104 weeks post ART or until Viral load rebounds to >5000 copies, the animals exhibit SAIDS or whenever funding runs out, whichever comes first. The protocol is currently approved is approximately 44 weeks post ART, so an extension of an additional 60 weeks (104-44) with continuing blood sampling only. It was confirmed that blood sampling would not exceed 2 blood draws per week.

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

Discussion: None

Vote on the Motion: The Significant Change was approved unanimously with 16 members voting in favor.

- Pasupathy 4133-01 V47 “Neural Basis of Visual Shape Representation and Recognition”

MN summarized the NHP neuroguidelines for the new members of the IACUC.

NN explained the goals of the protocol and summarized the Significant Change request and the animals clinical and research history. CH commented that the animal has not had any remarkable issues and is doing well.

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

Discussion: None

Vote on the Motion: The Significant Change was approved unanimously with 16 members voting in favor.

### **Semiannual Program and Facility Review**

The OAW Manager of Regulatory Programs briefly summarized the report that had been previously sent to the Committee. The IACUC was reminded that the Concurrence sheet was due by January 30, 2016.

### **IACUC SOPs and Policies:**

- Food Water Restriction in Non-Rodent USDA Species – TB briefly summarized the policy and specifically noted the criteria that would be used to classify procedures as category E. It was explained that the policy would need to be sent to the PIs that would be impacted by the policy there would need to be time to provide guidance and training before they are expected to be in compliance with the policy. It was anticipated that it would take a month or two to implement the policy and the IACUC would be updated on the status of implementation at the next IACUC meeting.

The IACUC discussed some ambiguous wording associated with the 20% weight loss criteria and it was determined that the policy should be corrected to indicate, "...until the weight is less than 20% loss".

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

Vote on the Motion: The policy as approved unanimously with 16 members voting in favor.

- Routine Husbandry Limitations SOP – EC explained a SOP had been developed to outline the process for researchers to request exceptions to standard daily care animals as provided by DCM. The process was summarized for the Committee. It was clarified that in addition to this process the researchers must also submit a Special Service Request (SSR) to the Department of Comparative Medicine.

AS requested to be on subcommittee.

Motion: A motion as made and seconded to approve the SOP.

Discussion: None

Vote on the Motion: The SOP was approved unanimously with 16 members voting in favor.

- Anesthesia Certification Requirements in USDA Regulated Animals

TB explained that due to a complaint item #3 of the qualifications had been updated to state, "Board certified human anesthesiologists or nurse anesthetists, or other physician with extensive anesthesia experience..." This would include individuals currently licensed and practicing in the US, who were trained at a US accredited medical school or completed Certification from the Educational Commission for Foreign Medical Graduates (ECFMG). TB explained that it was her intent to indicate that an individual must be licensed in the US.

The Committee discussed the licensing process and requirements and whether or not the additional criteria of whether or not the individual was currently practicing should be a requirement.

Motion: A motion was made and seconded to approve the policy as modified to include the US license requirement and footnote to explain the requirement.

Vote on the Motion: The policy was approved unanimously with 16 members voting in favor.

Discussion: The Committee continued to discuss requirements of the policy. No additional changes were requested.

### **Harm Benefit Analysis Subcommittee Update**

It was reported that the subcommittee discussed the NHP food and water restriction policy that was previously presented, discussed seizures with a veterinary neurologist, determined that all

aquatic protocols containing trawling should be categorized as having unrelieved pain and distress, and discussed instances of morbidity and mortality seen by the veterinary staff in the last month.

**eIACUC** – EW presented a summary on the status of the eIACUC solution.

**Closing Business:**

The Meeting was brought to a close at 4:13pm. The floor was opened to public comment.