



**IACUC Meeting Minutes**

**January 23, 2019**

**12:00 PM**

**SSM#230**

**IACUC members present (voting):** Jack Vevea (Chair), 2396, 2414, 3198, 3025, 8643, 5263 (left at 10:59 a.m.), 9532, 3692

**IACUC members present (non-voting):** None

**IACUC members absent:** Katherine Wasson Clark (Attending Veterinarian)

**Guests:** [REDACTED], [REDACTED]

**Quorum:** Yes

**Meeting brought to order:** 12:02 p.m.

**Announcements:**

**1. Meeting Minutes**

- **11-19-18 Minutes: Approved**

**2. Animal Use Protocol – New**

- PI 9367 AUP19-0002* – This new protocol will determine the pathways of rodenticide in nontarget wildlife and determine if it is possible to “label” animals with isotopic tracer added to rodenticide. The IACUC requested clarification on the outcome of the experiment: identify what was being measured and how, specify the facility location information, provide listed personnel’s and veterinarian’s training information, state whether the facility has an attending veterinarian and staff to provide daily care to the animals, update the hazardous materials section and room/lab safety information, specify the data ranges for the databases, and provide a power analysis and animal numbers justification. The committee felt concerned as the facility was located outside California and, if the site is determined to be a satellite facility, wondered how the inspection and maintenance expense would be covered. The IACUC requested clarification on the marking procedures, asked for results of a missing equation listed in procedures, justification for volume of blood drawn and justification on death as the end point of the experiment. The committee asked for information on the CO2 flow rate, asked the PI to collect blood in small volumes if drawn multiple times, to monitor animals during the feeding trial and to monitor signs such as weight loss, inability to move and other monitoring signs as the end point of the study. There are also typographical errors that should be corrected. The IACUC tabled the protocol due to a lack of information.
- PI 4550 AUP19-0001* – This new protocol will study T cell recovery after bone marrow transplantation and address the microenvironmental, cellular and genetic

factors involved in thymus regeneration. The IACUC requested clarification on whether the animals would be used for establishing breeding colonies, information on administering anesthetic tablets, an update to the room safety sheet information, an animal numbers justification, a database search year including if a search for chemicals was conducted as well, and a detailed species rationale. The committee asked for clarification on the need for multiple surgeries, post-monitoring information for surgeries and adverse effects, and whether anesthesia would be administered for the entire procedures or until animals were terminal. The PI was asked to provide information on the three imaging timelines, drugs used, whether there would be any restraining procedures. The IACUC also requested that the PI to monitor animals more than once daily. The Committee suggested dispensing a topical anesthetic in the eye prior to retroorbital blood collection, taking personnel off the roster and providing a detailed description on the listed personnel's training and their roles in the surgeries. The IACUC voted to require modifications to secure approval and review the responses at the next convened meeting.

- iii. *PI 8335 AUP18-0013* – update – Revisions requested by IACUC – Reviewed and approved by DMR.
- iv. *PI 7701 AUP18-0011* – update – Revisions requested by IACUC – Reviewed and approved by DMR.

### **3. *Animal Use Summaries – Renewals***

- i. *PI 8335 AUP18-0001*- The IACUC voted to approve the annual renewal.
- ii. *PI 7812 AUP17-0001* – update – Reviewed and approved by DMR.
- iii. *PI 9347 AUP16-0004* – update – Reviewed and approved by DMR.

### **4. *Animal Use Summaries – Amendments***

- i. *PI 7812 AUP17-0001-1* - This amendment requests to increase the animal numbers. The IACUC voted to approve the amendment.

### **5. *Animal Transfer***

### **6. *Open Discussion***

- i. *ANR protocol* – While reviewing AUP19-0002, the IACUC discussed the [REDACTED] facility listed on the protocol, whether it would be determined as a UCM satellite facility and who would cover the expenses associated with it. The committee decided to discuss this with the IACUC executive committee.
- ii. *AUP form changes* – The IACUC discussed how detailed information on personnel training should be included in the protocols and made suggestions to provide courses and resources to the researchers. The committee considered amending the training section and the room/safety information sheet of the AUP form.
- iii. *AAALAC Site Visit* – The RCI office provided the IACUC an update on the upcoming site visit and informed the committee that AAALAC would not inspect the [REDACTED] facility.
- iv. *Policy and Guidance* – This item was tabled until the next meeting as the discussion would require the attending veterinarian's input.
- v. *Graduate student as the committee member* – The IACUC discussed inviting a graduate

- student as a member of the IACUC.
- vi. *IACUC meetings* – The RCI office discussed scheduling consistent monthly meetings.

***Adjourn***

The meeting was adjourned at 1:30 p.m.

- Action Items for IACUC staff:
  - Doodle poll



**IACUC Meeting Minutes  
February 25, 2019  
12:00 PM  
SE2-224**

**IACUC members present (voting):** Jack Vevea (**Chair**), Katherine Clark (**Attending Veterinarian**), 1771, 3198, 5263, 3025, 2396, 3692, 9532

**IACUC members present (non-voting):**

**IACUC members absent:** 3697, 8643

**Guests:** [REDACTED], [REDACTED], [REDACTED], [REDACTED],

**Quorum:** Yes

**Meeting brought to order:** 12:05 p.m.

**Announcements:** Biosafety Officer and Assistant Biosafety Officer introduction

**1. Meeting Minutes**

**1/23/19 Minutes: Approved with minor modifications and one abstention**

**2. Animal Use Protocol – New**

- i. *PI 1182 AUP19-0004* – This new protocol will test the hypothesis that alterations in bone health can influence HSC maintenance, proliferation and differentiation into specific immune cell lineages. The IACUC requested clarification on the database search, a power analysis to support the animal numbers justification, rewording of references to irradiation, and consistent use of the abbreviation Sost-KO throughout the protocol. The committee requested information on how frequently the animals would be monitored, a list of the adverse effects, reference to the SOP for CO2 flow rate and, clarification on the use of non-pharmaceutical grade agents. The IACUC voted to require modification to secure approval and allow the responses to be reviewed by DMR.
- ii. *PI 6114 AUP19-0003* – This new protocol will document the influence of ecological factors on the sexual signaling characters in three common lizards, identify additional ecomorphological traits that covary with sexual signaling characters and offer the opportunity to investigate how ecological and social signaling traits co-evolve and contribute to population divergence. The IACUC requested clarification on the database search years, the keywords used for the database search, an animal numbers justification that included citations to the references provided that led to the animal numbers estimation and information on the disposition of the animals. The committee asked for

clarification on the number of species, requested information on the missing alternate contact, the addition of new procedures listed, and a rewording of the animals disposition statement. The IACUC voted to require modification to secure approval and allow the responses to be reviewed by DMR.

- iii. *PI 9367 AUP19-0002* – This protocol stays tabled as the IACUC office awaits the requested information from the PI.
- iv. *PI 4550 AUP19-0001* – The IACUC reviewed the PI's responses to the review comments and found a number of inconsistencies and concerns. The revised protocol required further clarification on database search, animal numbers justification, information on multiple survival surgeries, and removal of imprecise information. The IACUC tabled the protocol. The Attending Veterinarian planned to meet with the PI to provide guidance on addressing IACUC's concerns in the protocol and discuss whether the surgeries were multiple survival surgeries.

### **3. *Animal Use Summaries – Renewals***

- i. *PI 1623 AUP18-0002* – The IACUC voted to approve the renewal with minor modifications.
- ii. *PI 5643 AUP17-0004* - The IACUC voted to approve the renewal with minor modifications.
- iii. *PI 6114 AUP17-0002* – The IACUC voted to approve the renewal with minor modifications.

### **4. *Animal Use Summaries – Amendments***

- i. *PI 6114 AUP17-0002-01* – The IACUC determined that the amendment does not require IACUC review as the proposed changes would have no bearing on the original protocol.
- ii. *PI 1623 AUP18-0002 -01-* This amendment stays tabled. The IACUC office has asked for information on possible changes in the original protocol with the PI securing funding.

### **5. *Animal Transfers***

- i. *PI 4550 AUP18-0003 to PI 7391 AUP17-0011*
- ii. *PI 4550 AUP18-0003 to PI 1623 AUP17-0009*
- iii. *PI 4550 AUP18-0003 to PI 1087 AUP18-0005*
- iv. *PI 3809 AUP17-0013 to PI 1087 AUP18-0005*

### **6. *Open Discussion***

- i. *Guidance on toe-clipping* – The IACUC discussed the timeline during which the animals should be counted in the two guidance documents and decided to allow up to seven days for toe-clipping. The IACUC voted to approve the policy with minor modifications.
- ii. *IACUC/AV systemwide meeting* – The IACUC staff and AV provided updates from the systemwide meeting and talked about a software tool that would help provide live

updates to researchers during the semi-annual inspection. The AV talked about scheduling a system-wide meeting in 2020 on the UC Merced campus.

- iii. *IACUC Biosafety presentation* - The Biosafety Officer provided information on the type of assistance that would serve the IACUC and provided information on their new animal transport program.
- iv. *AAALAC* – The IACUC staff provided an update on the AAALAC visit.
- v. *Grad Student* – The IACUC discussed inviting a graduate student as a member of the committee in a voting capacity.

***i. Adjourn***

The meeting was adjourned at 1:20 pm.

- Action Items for IACUC staff
  - Send out a Doodle poll to schedule March meeting.
  - Schedule a demonstration of the biosafety semi-annual inspection software tool



**IACUC Meeting Minutes**  
**March 22, 2019**  
**2:00 PM**  
**SE1-200**

**IACUC members present (voting):** Jack Vevea (**Chair**), Katherine Clark (**Attending Veterinarian**), 1771, 3198, 3697 (**via-Zoom**), 9532, 7503

**IACUC members present (non-voting):**

**IACUC members absent:** 8643, 5263, 3025, 2396, 3692

**Guests:** [REDACTED], [REDACTED]

**Quorum:** Yes

**Meeting brought to order:** 2:05 p.m.

**Announcements:**

**1. Meeting Minutes**

**2/25/19 Minutes:** Approved with minor modifications

**2. Animal Use Protocol – New**

- i. *PI 9367 AUP19-0002* –This project involves investigating the use of radioisotope-labeled rodenticide in laboratory rats. The IACUC requested a scientific justification for death being an end point of the study, what was funding source of the project, detailed information on the training received by the personnel and whether they were enrolled in OCC health, who would be handling, feeding, observing, monitoring and euthanizing the animals. The committee requested a copy of an MOU with the facility providing animal care and husbandry, a power analysis using increased number of rats, rewording of language in the species rationale section, inclusion of the missing attachment associated with the rodent marking procedures and matching of the CO2 flow rate to be consistent with the rest of the protocol. The IACUC suggested several alternative endpoints to the investigator. This protocol was tabled.
- ii. *PI 4550 AUP19-0001* –The PI has yet to send responses to the review comments.
- iii. *PI 6114 AUP19-0003* – The PI has yet to send responses to the review comments.

**3. Animal Use Summaries – Renewals**

- i. *PI 1623 AUP18-0005* – The IACUC voted to approve the renewal.

- ii. *PI 5643 AUP17-0005* – This renewal was reviewed and approved by DMR.

#### **4. *Animal Use Summaries – Amendments***

- i. *PI 1087 AUP18-0005-02* – The IACUC voted to approve the amendment.
- ii. *PI 4550 AUP18-0009-02*- This amendment was reviewed and approved by DMR.

#### **5. *Animal Transfers***

#### **6. *Open Discussion***

- i. *Post AAALAC visit* – The IACUC staff provided an update on the actions taken for the SFI found during the AAALAC inspection.
- ii. *Policy 114* – The IACUC voted to approve the policy with minor modifications.
- iii. *Guidance on toe-clipping* – The IACUC reviewed the guidance to incorporate AAALAC recommendations and voted to approve the guidance with minor modifications.
- iv. *Electronic system* – The IACUC staff provided an update on Cayuse IACUC electronic system and its merger with eSeries.

##### **i. *Adjourn***

The meeting was adjourned at 1:20 pm.

- Action Items for IACUC staff
  - Send out a Doodle poll to schedule May meeting.





**IACUC Meeting Minutes**  
**April 29, 2019**  
**12:00 PM**  
**SE2-293**

**IACUC members present (voting):** Jack Vevea (**Chair**), Katherine Clark (**Attending Veterinarian**), 1771, 3198, 9532, 3745, 8643, 5263, 3025, 2396, 3692

**IACUC members present (non-voting):**

**IACUC members absent: 7503**

**Guests:** [REDACTED], [REDACTED], [REDACTED], [REDACTED]

**Quorum:** Yes

**Meeting brought to order:** 12:03 p.m.

**Announcements:**

**1. Meeting Minutes**

**3/22/19 Minutes: Approved with minor modifications and two abstentions**

**2. Animal Use Protocol – New**

- i. *PI 9367 AUP19-0002* – The protocol will determine the pathways of rodenticide in nontarget wildlife and determine if it is possible to “label” animals with isotopic tracer added to rodenticide. The IACUC requested clarification on animal number justification, animal marking procedures and CO2 flow rate. The committee asked the PI to correct typos, submit the room/lab safety information sheet and information on the listed personnel’s Occ health information. The IACUC determined the protocol to be incomplete and tabled it.
- ii. *PI 4550 AUP19-0001* – The protocol will study T cell recovery after bone marrow transplantation and address the microenvironmental, cellular and genetic factors involved in thymus regeneration. The IACUC requested clarification on animal numbers, timeline of repeat imaging and bone-marrow transplant procedures. The committee asked for a statement on repeat imaging and euthanasia as well as a statement on the adverse effect of incision in the protocol. The IACUC requested clarification on post-monitoring procedures for survival surgeries; what would be measured or observed, pain minimizing procedures and what parameters would be used for monitoring and pain relief. The committee voted to require modification to secure approval and allow the responses to be reviewed by DMR.

- iii. *PI 6114 AUP19-0003* – The PI has yet to respond to the IACUC review comments.

### **3. *Animal Use Summaries – Renewals***

### **4. *Animal Use Summaries – Amendments***

### **5. *Animal Transfers***

### **6. *Open Discussion***

- i. *IACUC determination* – The Attending Veterinarian provided the committee with an update on two research proposals that were determined to not require IACUC purview.
- ii. [REDACTED] – *PRIM&R IACUC* - The IACUC staff provided an update on the PRIM&R pre-conference IACUC administrator course attended in April.
- iii. *Requiring IBC approval prior to IACUC approval* – The EH&S staff discussed the requirement of IBC approval prior to IACUC approval. The issue will be discussed with the IO at the IACUC Executive Committee meeting and will be brought back to the IACUC.
- iv. *Changes to AUP protocol submission form* - The IACUC discussed amending the AUP submission form during the discussion around requiring IBC approval prior to IACUC approval. The committee suggested including an information box seeking information on a protocol's IBC approval status. It was determined that the IACUC Executive Committee would make that decision.

#### **i. *Adjourn***

The meeting was adjourned at 1:20 pm.

- Action Items for IACUC staff
  - Send out a Doodle poll to schedule May meeting.



**IACUC Meeting Minutes**

**May 20, 2019**

**12:00 PM**

**SSM-317**

**IACUC members present (voting):** Jack Vevea (**Chair**), Katherine Clark (**Attending Veterinarian**), 1771, 3198, 3745, 3697, 2396, 3692

**IACUC members present (non-voting):**

**IACUC members absent:** 8643, 7503, 5263, 3025

**Guests:** [REDACTED], [REDACTED]

**Quorum:** Yes

**Meeting brought to order:** 12:05 p.m.

**Announcements:**

**1. Meeting Minutes**

**4/29/19 Minutes: Approved**

**2. Animal Use Protocol – New**

- i. *PI 2108 AUP19-0005* – This new protocol will quantify the genetic merit of breeding stock in commercial sheep production flocks and relative fecundity per intact male. The IACUC requested clarification on stress mentioned throughout the protocol, role of the listed personnel and method of euthanasia in livestock. The committee asked the PI to select a different database instead of the UC Davis library database, correct the animal numbers and tables as the numbers did not add up to the total, correct a typo in the procedures section and reword a sentence related to animal injury from chute. The IACUC voted to require modification to secure approval and allow the responses to be reviewed by DMR.
- ii. *PI 9367 AUP19-0002* – This protocol is a heavily edited version of the original protocol submitted by the PI. This protocol will determine the pathways of rodenticide in nontarget wildlife and determine if it is possible to “label” animals with isotopic tracer added to rodenticide. The IACUC requested clarification on animal numbers and species rationale, correction of typos, rewording of a sentence and information on the facility’s occupational health and safety program. The committee voted to require modification to secure approval and allow the responses to be reviewed by DMR.
- iii. *PI 6114 AUP19-0003* – The PI has yet to respond to the IACUC review comments.

### **3. *Animal Use Summaries – Renewals***

- i. *PI 4550 AUP18-0003* – update - Reviewed and approved by DMR.
- ii. *PI 4287 AUP17-0006* – update - Reviewed and approved by DMR.

### **4. *Animal Use Summaries – Amendments***

### **5. *Animal Transfers***

### **6. *Open Discussion***

- i. *Semi-annual facility inspection and program evaluation* – The IACUC conducted the semi-annual facility inspection and program evaluation. The minor programmatic deficiency is pending signatures. The minor facility deficiency has been brought to the attention of facilities, and correction is pending.
- ii. *Vivarium temperature issue* – Vivarium staff observed the temperature in one animal room fell to below the set range while performing weekend animal observations. After further investigation, staff discovered that temperature alarms had been deactivated. When facilities was contacted, they indicated they did not have enough staff on weekends to address these issues. The vivarium staff sent a memo, copied to the IO, to facilities reminding them of their role in animal health and welfare. This issue will be discussed with the IO at the next IACUC Executive Meeting.
- iii. *USDA Inspection Update*- Director of DARS indicated the USDA VMO visited campus in the previous weeks. There were no findings of concern.
- iv. *AUP form change*- This discussion item was tabled.

#### **i. *Adjourn***

The meeting was adjourned at 1:40 pm.

- Action Items for IACUC staff



**IACUC Meeting Minutes**  
**June 17, 2019**  
**1:00 PM**  
**SSM-217**

**IACUC members present (voting):** Jack Vevea (**Chair**), Katherine Clark (**Attending Veterinarian**), 1771, 3198, 7503, 3697, 2396, 3692, 8643, 5263, 3025 (**In at 1:34 p.m.**)

**IACUC members present (non-voting):**

**IACUC members absent:**

**Guests:** [REDACTED], [REDACTED]

**Quorum:** Yes

**Meeting brought to order:** 1:03 p.m.

**Announcements:**

**1. Meeting Minutes**

**5/20/19 Minutes:** Requires changes

**2. Animal Use Protocol – New**

- i. *PI 9367 AUP19-0006* The purpose of this study is to measure the effectiveness of current pest management protocols, better understand rat movement in urban habitats, and determine if more effective methods of rat control can be developed from the data collected. Roof rats (*Rattus rattus*) will be live trapped, ear tagged and fitted with a battery-powered radio transmitter. This will occur in conjunction with commercial pest control operations in several locations throughout Orange County. The IACUC voted to withhold approval due to the absence of significant information.
- ii. *PI 9367 AUP19-0002* – This protocol was reviewed at several previous meetings. The IACUC requested clarification on the term non-destructive sampling, duration of animals separation during the post-exposure period, animal fighting, monitoring and prevention measures. The committee asked for clarification on whether UCM Room/Safety Lab information would be used at the facility, whether staff need to wear masks when working with difethialone and if it would cause contamination. The IACUC voted to require modification to secure approval and allow the responses to be reviewed by DMR
- iii. *PI 2108 AUP19-0005* - The PI has yet to respond to the IACUC review comments.
- iv. *PI 6114 AUP19-0003* – The PI has yet to respond to the IACUC review comments.

### **3. Animal Use Summaries – Renewals**

- i. *PI 8335 AUP18-0008* – update - Reviewed and approved by DMR

### **4. Animal Use Summaries – Amendments**

- i. *PI 4550 AUP18-0009-03* – This amendment seeks to include procedures for harvesting samples from the animals for the purpose of genotyping and tracking. The committee asked the PI to include a statement in accordance with The Guide and identify toe-clipping timeframe to 7 days. The IACUC voted to require modification to secure approval and allow the responses to be reviewed by DMR.
- ii. *PI 4550 AUP18-0003-01* – This amendment requests to include procedures for harvesting samples from the animals for the purpose of genotyping and tracking. The committee asked the PI to include a statement in accordance with The Guide and identify toe-clipping timeframe to 7 days. The IACUC voted to require modification to secure approval and allow the responses to be reviewed by DMR.

### **5. Animal Transfers**

### **6. Open Discussion**

- i. *AAALAC Accreditation* - The IACUC requested an update on the outcome of the AAALAC site visit.
- ii. *Administrative changes* – The IACUC discussed ways to document protocols and disseminate information to the committee.

### **Adjourn**

The meeting was adjourned at 2:10 pm.

- Action Items for IACUC staff
  - New protocol documentation system.



**IACUC Meeting Minutes**

**July 29, 2019**

**12:00 PM**

**SE2-224**

**IACUC members present (voting):** Jack Vevea (**Chair**), Katherine Clark (**Attending Veterinarian – via Zoom**), 1771, 3198, 7503, 9532, 3697, 3692, 3025 (**via- Zoom**), 5263 (**Left at 12:40 p.m. and In at 12:44 p.m.**)

**IACUC members present (non-voting):**

**IACUC members absent:** 2396, 8643

**Guests:** [REDACTED]

**Quorum:** Yes

**Meeting brought to order:** 12:06 p.m.

**Announcements:**

**1. Meeting Minutes**

**5/20/19 Minutes:** Approved

**6/17/19 Minutes:** Approved

**2. Animal Use Protocol – New**

- i. *PI 4550 AUP19-0005 - update* - Revisions requested by the IACUC – Reviewed and approved by DMR.
- ii. *PI 6114 AUP19-0003- update* - Revisions requested by the IACUC – Reviewed and approved by DMR.
- iii. *PI 9367 AUP19-0002 – update* - Revisions requested by the IACUC – Reviewed and approved by DMR.

**3. Animal Use Summaries – Renewals**

- i. *PI 4550 AUP18-0009* – The IACUC voted to approve the protocol
- ii. *PI 5249 AUP18-0007* - The IACUC voted to approve the protocol
- iii. *PI 9367 AUP18-0006* – The IACUC voted to approve the protocol
- iv. *PI 1623 AUP17-0009* – The IACUC voted to approve the protocol
- v. *PI 1773 AUP17-0007* – The IACUC voted to approve the protocol with two abstentions.

#### **4. Animal Use Summaries – Amendments**

- i. *PI 1623 AUP18-0002-02* – This amendment requests to increase animal numbers and add tumor implantation techniques to procedures. The committee requested clarification on tumor implantation technique, tumor growth rate and animal numbers justification. The IACUC requested the PI to add experimental endpoints (for example, tumor measurements, body condition scoring, ability of animal to obtain food and water), and provide a timeline for euthanasia. The IACUC voted to require modification to secure approval and allow the responses to be reviewed by DMR.
- ii. *PI 1623 AUP17-0009-03* – This amendment requests to increase animal numbers. The IACUC voted to approve the amendment.
- iii. *PI 4550 AUP18-0009-03 - update – Reviewed and approved by DMR*
- iv. *PI 4550 AUP18-0003-01 - update – Reviewed and approved by DMR*
- v. *PI 1623 AUP17-0009-02 – update – Reviewed and approved by DMR*

#### **5. Animal Transfers**

#### **6. Open Discussion**

- i. *AAALAC recommendation for improvements* - The IACUC office discussed the AAALAC site visitors recommendations and their additional suggestions to maintain a well-functioning program. These items will be discussed with the IO at the next IACUC executive meeting.
- ii. *PPD/Facilities responses to various concerns (room temp/coverage after hours/eyewash stations)*: The DARS staff informed IACUC of their discussion with facilities management to find solutions to the issues faced by the Vivarium.
- iii. *IACUC files/dissemination of materials*: The IACUC office informed the committee of the new filing system, materials distribution method and the template changes.

#### **Adjourn**

The meeting was adjourned at 12:53 pm.

- Action Items for IACUC staff





**IACUC Meeting Minutes**  
**August 20, 2019**  
**12:00 PM**  
**SE2-224**

**IACUC members present (voting):** Jack Vevea (**Chair**), Katherine Clark (**Attending Veterinarian – via Zoom**), 1771, 3198, 7503, 9532, 3697, 3692, 3025 (**via- Zoom**), 5263 (**Left at 12:40 p.m. and In at 12:44 p.m.**)

**IACUC members present (non-voting):**

**IACUC members absent:** 2396, 8643

**Guests:** [REDACTED], [REDACTED]

**Quorum:** Yes

**Meeting brought to order:** 12:06 p.m.

**Announcements:**

**1. Meeting Minutes**

**7/29/19 Minutes:** Approved with two abstentions

**2. Animal Use Protocol – New**

- i. *PI 6797 AUP19-0007 - update - Reviewed by DMR. Revisions requested by the IACUC*

**3. Animal Use Summaries – Renewals**

**4. Animal Use Summaries – Amendments**

- i. *PI 4550 AUP19-0001-01* – This amendment requests to add a new procedure that will measure oxygen tension in the long bones of anesthetized mice using an oxygen needle microsensor. The IACUC requested justification for the addition of this procedure, clarification on how many animals would go through the procedure, adverse effects and whether a database search was conducted for any alternatives to the procedure. The IACUC voted to require modification to secure approval and allow the responses to be reviewed by DMR.
- ii. *PI 4550 AUP18-0009-04* - This amendment requests to add a new procedure that will measure oxygen tension in the long bones of anesthetized mice using an oxygen needle microsensor. The IACUC requested justification for the addition of this procedure, clarification on how many animals would go through the procedure, adverse effects and whether a database search was conducted for any alternatives to the procedure. The

IACUC voted to require modification to secure approval and allow the responses to be reviewed by DMR.

- iii. *PI 1623 AUP18-0002-02* – update – Revisions requested by the IACUC.

## **5. Animal Transfers**

## **6. Open Discussion**

- i. *AUP Form:* The IACUC office presented the revised AUP personnel amendment form that now seeks explicit personnel training information relevant to the procedures in the protocol. The committee discussed adding sections/check boxes asking information on Citi training status and occupational health enrollment. The IACUC office will circulate a draft to the committee that will incorporate these recommendations.
- ii. *Changes in the AUP Amendment form:* The IACUC discussed revising the AUP amendment form to include additional sections/check boxes seeking information on justification for adding a new procedure, adverse effects, and search for alternatives to the new procedure. The IACUC office will circulate a draft to the committee that will incorporate these recommendations.

## **Adjourn**

The meeting was adjourned at 12:33 pm.

- Action Items for IACUC staff
  - Revise AUP form - personnel amendment
  - Revise AUP Amendment form