

## IACUC Minutes

**Meeting Date:** August 27, 2020

**Meeting Location:** WebEx @ Noon

**Attendees:** IACU Chair, AV Members 1,2,4,5,6,7,8

**Nonvoting:** IACUC staff, vet 1 &2, Legal, PAM, LAS Training Coordinator

**Attendees Absent:** Member 9

### Opening Reports

1. Chair's Opening Comments –
  - a. Motion to Approve Agenda – Motion made and seconded all 9 members present voted to approve
  - b. Eyewash stations – when inspecting eye wash station make sure the lens are closed
  - c. Attachments: PDF of AUPs for all new & 3 yr. renewals and major amendments;
2. AV Opening Comments – Census is increasing. DLAS staff preparing for AAALAC visit
  - a. Animal Care Leadership Update – 2 Candidates have been interviewed for the DLAS position. IACUC will meet 3<sup>rd</sup> candidate Sept. 1-2
  - b. Bio-surveillance – Only normal pathogens found. Good report
  - c. Social Housing – 2 potential new pairs.

**IACUC Closed Meeting – Anyone present for the closed meeting must have a signed “Confidentiality Form” on file with the IACUC office.**

1. Approval of the IACUC July Meeting Minutes – All 9 members voted to approve
2. AUP Actions:

#### Protocols FCR

2017-0878	Primary Reviewer: Member 5 Recommendation: Approve
2020-1032	Primary Reviewer: Member 4 Recommendation: Approve
2020-1031	Primary Reviewer: Member 7 Recommendation: Approve
2020-1026	Primary Reviewer: Member 1 Recommendation: Approve

#### Major Amendments FCR

2014-0676	Add non-surgical procedure Primary Reviewer: Member 4 Secondary Reviewer: AV Recommendation: Approve
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2011-0412      Primary Reviewer: Member 4  
                     Secondary Reviewer: AV  
                     Recommendation: Approve

2011-0319      Add non-surgical procedures  
                     Primary Reviewer: Member 7  
                     Secondary Reviewer: AV  
                     Recommendation: Approve

2014-0701      Add hazard  
                     Primary Reviewer: EHOS  
                     Secondary Reviewer: AV  
                     Recommendation: DMR The IACUC Chair appointed EHOS

2009-0085      Add species (Rats)  
                     Primary Reviewer: Member 5  
                     Secondary Reviewer: AV  
                     Recommendation: Approve

2009-0209      Change in PI    (Medical Illustration 678: Surgical Technique)

2010-0030      Change analgesic and add hazard  
                     Primary Reviewer: EH&S  
                     Secondary Reviewer: AV  
                     Recommendation: Approve

2011-0185      Add non-surgical procedure  
                     Primary Reviewer: Member 1  
                     Recommendation: Approve

**VVC Amendments approved**

2018-0982      Add Euthanasia

**Grant Congruency Minor Amendments**

2016-0801

2019-0992

**Minor Amendments Approved by the IACUC Office (Add Personnel other than PI and/or Titles) from 7/8/2020 thru August 18, 2020**

[2009-0078](#)      add personnel

[2018-0982](#)      Update funding agency  
                     and add new grant

[2016-0808](#)      add title

[2019-1003](#)      add personnel

[2010-0044](#)      Enrichment

[2013-0581](#)      correct Satellite  
                     housing Room number

[2008-0243](#)      Add a grant title

[2013-0528](#)      Add personnel

<a href="#"><u>2012-0509</u></a>	Remove a personnel from animal protocol
<a href="#"><u>2019-1000</u></a>	add a person to the protocol
<a href="#"><u>2015-0738</u></a>	add/delete personnel
<a href="#"><u>2010-0141</u></a>	add a funding title
<a href="#"><u>2014-0697</u></a>	add personnel
<a href="#"><u>2015-0715</u></a>	Add Personnel
<a href="#"><u>2012-0516</u></a>	Add personnel
<a href="#"><u>2012-0462</u></a>	Add personnel
<a href="#"><u>2011-0108</u></a>	add new personnel
<a href="#"><u>2008-0162</u></a>	remove staff
<a href="#"><u>2019-0997</u></a>	Add personnel
<a href="#"><u>2011-0309</u></a>	Add personnel
<a href="#"><u>2017-0868</u></a>	Personnel
<a href="#"><u>2016-0801</u></a>	Adding a new grant title
<a href="#"><u>2010-0230</u></a>	new personnel
<a href="#"><u>2009-0248</u></a>	Personnel change
<a href="#"><u>2012-0516</u></a>	Add personnel
<a href="#"><u>2008-0302</u></a>	add personnel
<a href="#"><u>2011-0408</u></a>	add personnel
<a href="#"><u>2017-0854</u></a>	add new personnel
<a href="#"><u>2013-0528</u></a>	Add personnel
<a href="#"><u>2011-0319</u></a>	Addition of personnel

#### **Annual Renewals Covered Species - None**

#### **Annual Renewals**

[2014-0625](#)  
[2011-0108](#)  
[2008-0085](#)  
[2013-0598](#)  
[2019-1008](#)  
[2013-0592](#)  
[2019-0999](#)  
[2012-0509](#)  
[2009-0031](#)  
[2013-0528](#)  
[2012-0516](#)

**VOTE on AUP actions:** All 4 protocols have been approved (all 9 members voted).

**Major amendments** 7 approved one DMR (all 9 members voted)

**Minor Amendments** – All approved.

#### **Incident Reports –**

1. Care staff found blood on a cage and on food and reported to Vet staff. Both cages were changed. All mice active, alert, and hydrated per Vet Tech. The research staff had performed tail clips on older mice for genotyping. They are approved for clips on pups, but not older mice. IACUC Chair emailed PI requesting an amendment on tail snip procedure (submitted). The vet tech retrained staff. **No further action needed**

2. During a PAM visit, a lab member was describing her procedure for performing abdominal surgery. She acknowledged that she had not provided analgesics to animals during her last set of surgeries in April because the mice did not eat the carprofen tablets. The carprofen tablets in the lab had expired in February. It was recommended that the PI and research staff approved to do surgeries be retrained and that the analgesia be changed. Amendment submitted and approved. **No further action needed.**
  3. **Follow-up:** Summerville Facility– AV reported that LAS has installed their own monitoring system. Still waiting on facilities to install temperature control. PIs will be allowed to house animals in the facility once the monitoring system is in place. **Will follow up next month.**
  4. **Follow-up:** Veterinary staff reported high mortality (10 out of 24) in rats that had undergone surgery. DLAS had been in contact with lab personnel to develop a plan to prevent future mortalities. The IACUC voted to require the PI perform a limited number of surgeries on Friday (6) and wait till Tuesday to do the others to ensure the issue with survival had been resolved. When the PI was contacted immediately after the IACUC meeting they had already performed more surgeries without informing vets, but had followed plan to improve survival by preventing PICA. All rats survived surgeries. **No further action is needed.**
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3. Old Business
    - a) Update on Gazebo repair (Follow-up) – Still waiting on quote. It was discovered that repairs more extensive than originally identified and HR requires 3 bids for any repair that exceeds \$3,000. DLAS has arranged for a second company to quote and will work with facilities to see if they can repair. Will update committee at the next convened meeting.
  4. New Business – Core usage page in ESIRIUS (Tim Wilson). All 9 members voted to delete this page in ESIRIUS
  5. PAM Reports – 3 (Deficiency noted and one amendment requested, received and approved)
  6. Congruency Report – 5 (3 required minor amendments which were submitted and approved)
  7. PI lab inspections – 5 labs inspected no major deficiencies
  8. Minority Views – None
  9. On the Radar – DLAS 3<sup>rd</sup> candidate arriving September 1<sup>st</sup>. IACUC staff will continue to teleworking into next year. They will provide cell phone numbers to IACUC members.

Adjourn

## **IACUC Minutes**

**Meeting Date:** September 24, 2020

**Meeting Location:** WebEx Noon

**Attendees:** IACUC Chair, AV, Members 1, 2, 4, 5, 6, 7, 8 and 9

**Members Absent:** None

**Non-voting Attendees:** IACUC staff, PAM, Training Coordinator, Vets 1 and 2

### **Opening Reports**

- 1) Chair's Opening Comments – Added a new subcommittee member (assisted with the recent lab inspections), USDA inspection (remote) identified 3 deficiencies (incident report – any event that involves covered species must be reported; inspection reports must describe how the deficiency was corrected, the anticipated correction date and actual completion date; rationale for using animals not adequate. Data used for rationale needs to included e.g. power analysis.
  - a. Motion to Approve Agenda – Motion made and seconded. All 10 members voted to approve
  - b. Attachments: PDF of AUPs for all new & 3 yr. renewals and major amendments;
- 2) AV Opening Comments –
  - a. Animal Care Leadership Update – Director Search moving forward. IO currently negotiating with candidate. Preparation for AAALAC visit.
  - b. Bio-surveillance – Nothing to report
  - c. Social Housing – Working on 2 double barriers

**IACUC Closed Meeting – Anyone present for the closed meeting must have a signed “Confidentiality Form” on file with the IACUC office.**

Approval of the IACUC August Meeting Minutes – Motion made and seconded. All 10 members voted to approve

AUP Actions:

### **Protocols FCR**

2014-0668	Primary Reviewer: Member 5 Recommendation: DMR Chair appointed Chemical Safety
2017-0882	Primary Reviewer: Member 5 Recommendation: Approve
2014-0406	Primary Reviewer: Member 1 Recommendation: Approve
2014-0691	Primary Reviewer: Member 1 Recommendation: Approve

2009-0303	Primary Reviewer: Member 7 Recommendation: Approve
2014-0704	Primary Reviewer: Member 7 Recommendation: Approve
2014-0676	Primary Reviewer: Member 6 Recommendation: Approve
2009-0252	Primary Reviewer: Member 6 Recommendation: Approve
2014-0673	Primary Reviewer: Member 2 Recommendation:
2008-0302	Primary Reviewer: Member 2 Recommendation: Approve
2008-0086	Primary Reviewer: Member 2 Recommendation: Tabled to FCR (Chair appointed a subcommittee to meet with PI to discuss the committee's questions (IACUC Chair, AV, Member 7 and Member 8)
2008-0304	Primary Reviewer: Member 4 Recommendation: Approve
2017-0919	Primary Reviewer: Member 4 Recommendation: Approve

#### **Major Amendments FCR**

2009-0274	Overnight Housing Primary Reviewer: IACUC Chair Secondary Reviewer: AV Recommendation: Approve (The PI will contact the IACUC office for another inspection of the lab prior to using)
2019-1000	Add surgical procedure Primary Reviewer: Member 2 Secondary Reviewer: AV Recommendation: DMR chair appointed Member 2
2008 -0162	Add nonsurgical procedure, correct animals moved outside vivarium section Primary Reviewer: Member 7 Secondary Reviewer: AV Recommendation: Chair appointed DMR to Member 1 and 7
2009-0214	Add Optokinetic response tracking (OKT), a new visual function test Primary Reviewer: Member 5 Recommendation: Approve
2020-1031	Add nonsurgical procedure/test Primary Reviewer: Member 5

Recommendation: Approve

2018-0980    Add Chemical Hazard BrDu  
Primary Reviewer: Chemical Safety  
Secondary Reviewer: AV  
Recommendation: Chair appointed DMR to Chemical Safety

2013-0567    Add nonsurgical procedures  
Primary Reviewer: Member 6  
Recommendation: Approve

2015-0715    Add info per PAM visit  
Primary Reviewer: AV  
Secondary Reviewer: PAM  
Recommendation: Approve

2008- 0155    Add info per PAM visit  
Primary Reviewer: AV  
Secondary Reviewer: PAM  
Recommendation: Approve

**VVC Amendments - None**

**Minor Amendment**

2013-0525    Correct number justification  
Reviewers: IACUC Chair, Members 1 and 7  
Recommendation: Approve

2014-0701    Add Metabolic Cages  
Primary Reviewer: Member 4  
Recommendation: Approve

**Minor Amendments Approved by the IACUC Office (Add Personnel other than PI and/or Titles) from 8/19/2020 thru 9/17/2020**

2008-0219    Addition of new personnel  
2009-0248    Housekeeping issue  
2013-0525    number justification  
2011-0079    add personnel Zyare Orr, AU senior  
2019-0999    add a new mouse stain  
2009-0078    add personnel Zyare Orr  
2019-1004    Add Personnel  
2015-0738    Personnel change  
2008-0091    Add Personnel  
2019-1008    Add personnel  
2008-0153    add new personnel  
2014-0701    Add metabolic cages  
2011-0062    Adding new personnel  
2020-1026    Add personnel  
2013-0528    Add personnel  
2008-0120    Add Personnel  
2009-0089    Add personnel  
2013-0548    all work will be done in the Vivarium



2019-1010 all work will be done in the Vivarium

### **Annual Renewals Covered Species – None**

#### **Annual Renewals approved by IACUC office**

2009-0185

2011-0185

2019-1011

2010-0044

2016-0823

#### **VOTE on AUP actions:**

All 10 members voted to approve 11 protocols; table 1 protocol for FCR next month and 1 approve via DMR; Major amendments – All 10 members voted to approve 5 amendments and DMR 3 amendments (Note: Member 1 left the meeting while protocol 2014-0704 was discussed and Member 6 left the meeting while amendment 2009-0214 was discussed)

#### **Incident Reports –**

1. **Follow-up:** Summerville Facility– AV reported that LAS will move forward with their own monitoring system in addition to the one facilities uses. PIs will be allowed to house animals in the facility once the monitoring system is in place. **Final monitoring system check should be tested this week (9/25/20). If all goes well animals can be moved back into will follow-up on next month's Agenda.**
  2. **New -** During endotracheal intubation in surgery prep, the animal experienced complications including dusky (pale/purple) mucous membranes, dyspnea and ptialism. The animal was moved to the OR and re-intubated following suction of the airway. The animal had low oxygen saturation and continued to show signs of dyspnea. An emergency cricotomy was attempted but during the procedure the animal became agonal and was euthanized with IV barbiturate overdose (Euthasol). The lab continued with Laparoscopic surgical training post-euthanasia and a necropsy was performed afterwards. USDA was notified and they responded with "No further action needed". **Vet 1 still waiting on additional information from necropsy and will report at the next convened meeting and AV will contact USDA with findings as well. Future surgeries will involve larger animals in case the age/size of the animal contributed to the complications.**
  3. **New -** Two cages of weanling mice were found without food on 9/15/20. Cages were created on 9/11/20 after DLAS staff had serviced the room. Three of 8 weaned pups died. The lab member will be retrained. Retraining and disciplinary action has been taken for DLAS staff that missed these cages. **No further action needed**
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1. **Old Business**
    - a) Update on Gazebo repair (Follow-up) – received 3 estimates and have set out a P.O. for repairs to be done. Repairs are to be completed by October 9<sup>th</sup>. Vet 1 will report to the IACUC the exact date the repairs were actually made.
  2. **New Business**
    - a) Inspection of surgical records (PI surgeries in the Vivarium)
    - b) AAALAC Confirmed site visit – October 28 and 29. The IACUC Chair will send information to the entire research community explaining who AAALAC is and provide them with a checklist
    - c) Air flow in Satellite labs – The AV will contact facilities to find out who on campus can measure the air flow in satellite facilities on a routine basis.



3. PAM Reports - 2
4. Congruency Reports – 2
5. PI lab inspections – 10 labs inspected 2 minor deficiencies noted; 1 major deficiency. (Expired Isoflurane) policy. The PI was notified by the IACUC staff to stop using the Isoflurane immediately and contacted Chemical Safety. The PI has ordered new Isoflurane.  
Air flow was found to be inadequate in two satellite housing rooms. Work orders have been issued for facilities to correct the air exchange in the rooms. Waiting for expected date of completion
6. Minority Views – None
7. On the Radar – Policy on protocol and amendment review

Adjourn

## **IACUC Minutes**

**Meeting Date:** October 22, 2020

**Meeting Location:** WebEx Noon

**Attendees:** IACUC Chair, AV, Members 1,4,7,8 and 9

**Nonvoting Attendees:** IACUC Staff, PAM, LAS Training Coordinator, Vet 1 and 2

**Members Absent:** Members 2, 5, and 6

### **Opening Reports**

1. Chair's Opening Comments – The IACUC Chair and all members wished AV farewell as this is her last IACUC meeting. New AV has accepted the position and will start January 1<sup>st</sup>, 2021. Vet 1 has been named by IO as Interim AV and DLAS Director
  - a. Motion to Approve Agenda – Motion made and seconded 6 members voted to approve
  - b. Attachments: PDF of AUPs for all new & 3 yr. renewals and major amendments;
2. AV Opening Comments –
  - a. Animal Care Leadership Update – Both the USDA and OLAW Annual Reports have been submitted to the appropriate agencies
  - b. Bio-surveillance – Nothing to report – Next report will be December
  - c. Social Housing – Nothing new to report

**IACUC Closed Meeting – Anyone present for the closed meeting must have a signed “Confidentiality Form” on file with the IACUC office.**

1. Approval of the IACUC Sept Meeting Minutes – Motion made and seconded to approve. All 6 members present voted to approve.
2. AUP Actions:

### **Protocols Tabled FCR**

2008-0086     Primary Reviewers: Member 1, 2, 7, 8 IACUC Chair, AV  
Recommendation: Approve

### **Protocols DMR**

2014-0668     Primary Reviewer: Chemical Safety  
Approved on 9/25/2020

### **Protocols**

2008-0202     Primary Reviewer: Member 1  
Recommendation: DMR the IACUC Chair appointed Member 1

2014-0689     Primary Reviewer: Member 2  
Recommendation: Approve

2017-0911     Primary Reviewer: Member 4  
Recommendation: Approve

2017-0915     Primary Reviewer: Member 7  
Recommendation: Approve

### **Major Amendments DMR**

2019-1000     Add surgical procedure  
DMR: Member 2  
Approved 9/25/2020

2008-0162     Add nonsurgical procedure, correct animals moved outside vivarium section  
DMR Reviewer(s): Member 7 & Member 1  
Approved 9/25/2020

2018-0980     Add Chemical Hazard BrDu  
DMR: Chemical Safety  
Approved 9/29/2020

2015-0715     Add info per PAM visit  
DMR: AV  
Approved 9/29/2020

### **Major Amendments**

2017-0868     Add Genotail and hazard  
Primary Reviewer: Member 2  
Secondary Review: EHOS and Vet 1  
Recommendation: Approve

2008-0085     Add 30% animals and experimental drugs  
Primary Reviewer: Member 1  
Secondary Reviewer: AV  
Recommendation: Approve

2011-0408     Add 2 new surgeries  
Primary Reviewer: Member 6  
Secondary Reviewer: AV  
Recommendation: Approve

2018-0982     Adding new non-recovery surgery  
Primary Reviewer: Member 2  
Secondary Reviewer: AV  
Recommendation: Approve

2008-0153    Add new experimental drug  
                 Primary Reviewer: Member 7  
                 Secondary reviewer: AV  
                 Recommendation: Approve

2009-0206    Change PI

2009-0207    Change PI

2110-0210    Change PI

### **VVC Amendments Approved**

2011-0108    Tamoxifen new route

2019-1011    Modify surgery (add topical lidocaine)

2012-0509    Removing Parabiosis surgery lower pain category E to D

2011-0309    Add a new euthanasia method

2014-0704    Add a new anesthetic

### **Minor Amendments**

2019-1012    Corrections per PAM Visit  
                 Primary Reviewer: AV  
                 Secondary Reviewer: PAM  
                 Recommendation: Approve

2019-1014    Corrections per PAM Visit  
                 Primary Reviewer: AV  
                 Secondary Reviewer: PAM  
                 Recommendation: Approve

2009-0089    Add new strain/diet for rats  
                 Primary Reviewer: Member 2  
                 Secondary Reviewer: AV  
                 Recommendation: Approve

### **Minor Amendments Approved by the IACUC Office from 9/18/2020 thru 10/14/2020**

2011-0412    Add staff member

2019-1004    Add personnel

2013-0528    Add personnel

2014-0704    new personnel

<u>2013-0581</u>	Adding personnel
<u>2018-0940</u>	housekeeping issue
<u>2014-0701</u>	Add Title
<u>2009-0274</u>	adding new lab room number
<u>2011-0062</u>	Adding new personnel
<u>2019-1003</u>	Housekeeping issue
<u>2014-0673</u>	Addition of new funding (NASA)
<u>2015-0725</u>	Add personnel
<u>2018-0983</u>	housekeeping issue
<u>2019-0992</u>	housekeeping issue
<u>2019-0998</u>	housekeeping issue
<u>2009-0031</u>	Housekeeping issue
<u>2017-0882</u>	To add personnel
<u>2017-0933</u>	Add new person
<u>2018-0971</u>	Housekeeping issue
<u>2018-0962</u>	housekeeping issue
<u>2020-1029</u>	housekeeping issue
<u>2014-0691</u>	add student
<u>2020-1031</u>	Add personnel
<u>2019-1000</u>	add a surgical procedure

2018-0961 Add personnel

2010-0141 Add personnel

2008-0219 Remove satellite housing

2014-1673 Remove satellite housing

### **Annual Renewals Covered Species – None**

#### **Annual Renewals approved by IACUC office**

2013-0614

2008-0253

2011-0314

**VOTE on AUP actions: All 7 Members present for the protocol/amendments and Annual review voted to DMR 1 protocol and approve all other protocols and major amendments**

#### **Incident Reports –**

1. **Follow-up:** Incident #56 Summerville Facility – The alarm system for HVAC malfunction was tested and approved. PIs at Summerville have resumed their experiments in the facility effective October 5<sup>th</sup>. **No further action is needed.**
2. **Follow-up:** Incident #64 During endotracheal intubation in surgery prep, the animal experienced complications including dusky (pale/purple) mucous membranes, dyspnea and ptialism. Final test confirms no clear reason why the animal died. USDA is satisfied with the report. **No further action is needed.**
3. **New:** Incident #66 A cage housing 3 mice, was found with significant amount of blood on the bedding and nestlet. PI collected tail sample for genotyping (morning 9/25). The PI had already been informed that tail clip of mice was not approved in her protocol and had been asked to submit an amendment. The PI was told not to perform any further tail clip until approval had been obtained. Research staff were trained in the tail clip procedures and the PI submitted an amendment. This incident was discussed at the same time as #68 as it was the same PI. IACUC has recommended a number of responses (see below)
4. **New:** Incident #67 PI performed surgery on rats that was not approved in his protocol. He was approved for the procedure in mice. The rats have been transferred to another PI who is approved for the procedures and the first PI has been named on the protocol so that the rats can be maintained. The PI has submitted an amendment for the surgical procedures. A letter was sent to OLAW as this is a reportable incident. The IACUC chair will send an email to the PI that will state amendment for the surgeries and DOCA implant was approved, but the IACUC requests that PI does not perform any of these surgeries until after OLAW is satisfied with our response to the incident. Surgery logs will be requested, training provided by IACUC Chair and AUP reviewed by all personnel named on the protocol before a final report is sent to OLAW. Expenses associated with these animals have already been transferred to a non-NIH account.

5. **New: Incident #68 New** – Two mice were found in a cage without food or bedding. Surgery had been performed late in the previous day. The technician had left work without allowing for full post-op making arrangements for monitoring the mice during recovery. There was a lengthy discussion as this was the third incident report for this PI in three months. The committee agreed that this will be reported to OLAW in addition the PI will be charged a fine paid from a non-NIH account, surgery will be halted until all lab members receive surgery training with an emphasis on monitoring and recovery, the IACUC Chair will be make an in-person presentation to the lab on animal welfare and regulatory requirements for animal research and review of the PIs AUP. It is possible any future incident will result in suspension of the PI's protocol.
3. **Old Business**
  - a) **Update on Gazebo repair (Follow-up)** – The company hired to make the necessary repairs failed to show up twice. LAS has negotiated making the repairs with another vendor and will report at the next convened meeting if all repairs are done.
4. **New Business**
  - a) **Inspection of surgical records (PI surgeries in the Vivarium)** - 7 records verified. Sent 2 PI's templates of the IACUC recommended form to consider using
  - b) **AAALAC Discussion** – All members have been sent the itinerary. AAALAC liked our program description. All research personnel have been sent a power point presentation and the IACUC staff has made the necessary arrangements for hotel, parking, lodging food etc. The committee thanked the IACUC staff for their help in making this all happen and a special thank you to our OHP Coordinator/IT expert who spent many many hours in preparing all the documents required.
  - c) **Policy on protocol and amendment review** – A very lengthy discussion on a revised policy on protocol and amendment review. The new policy includes the recent approved VVC review but abolishes minor amendments. The committee voted to approve the revised policy and will put this topic on the agenda early Spring to make sure the policy addresses all review contingencies.
  - d) **SCAW Virtual Training Workshop** – 5 IACUC members, 5 Subcommittee members and the IACUC Staff participated and will receive a certificates from SCAW.
5. **PAM Reports** - 4 completed
6. **Congruency Report** – 1 completed
7. **PI lab inspections** – 2 full lab inspections no major deficiencies
8. **Minority Views** – None
9. **On the Radar** – SOP for PI's Satellite Housing have been requested

Adjourn



## **IACUC Minutes**

**Meeting Date:** November 20, 2020

**Meeting Location:** WebEx Noon

**Attendees:** IAUC Chair, AV, Members 1,2,4,5,6,7, and 9

**Members Absent:** Member 8

**Nonvoting Attendees:** IACUC Staff, PAM Coordinator, LAS Training Coordinator, Legal

### **Opening Reports**

1. Chair's Opening Comments – Welcome Tyler Hockman as Interim Attending Veterinarian
  - a. Motion to Approve Agenda – Motion made and seconded to approve the agenda (all 9 members present voted to approve)
  - b. Attachments: PDF of AUPs for all new & 3 yr. renewals and major amendments;
2. AV Opening Comments – Developed a tiered organization of care staff and plans are to hire additional caretakers
  - a. Animal Care Leadership Update – Currently discussing per diems and the possible replacement of the HVAC units in CA and CB facility
  - b. Bio-surveillance – Current testing has just been completed, will have results and discuss at the next convened meeting
  - c. Social Housing – Nothing to report

**IACUC Closed Meeting – Anyone present for the closed meeting must have a signed “Confidentiality Form” on file with the IACUC office.**

1. Approval of the IACUC October Meeting Minutes – Motion made to approve and seconded (all 9 members present vote to approve)
2. AUP Actions:

### **Protocols DMR**

2008-0202      Primary Reviewer: Member 1  
Approved on: October 29, 2020

### **Protocols**

2014-0683      Primary Reviewer: Member 7  
Recommendation: Approve

2014-0675      Primary Reviewer: Member 5  
Recommendation: Approve

2009-0189      Primary Reviewer: Member 4  
Recommendation: Approve

2017-0923    Primary Reviewer: Member 1  
Recommendation: Approve

2014-0694    Primary Reviewer: Member 6  
Recommendation: Approve

2020-1034    Primary Reviewer: Member 2  
Recommendation: Approve

### **Major Amendments**

2018-0961    Add Perfusion - Mice/Rats  
Primary Reviewer: Member 5  
Secondary Review: AV  
Recommendation: Approve

2008-0162    Add human cord blood - Mice  
Primary Reviewer: Member 6 AV  
Secondary Reviewer: AV  
Recommendation: Approve

2011-0062    Add behavior testing - Mice  
Primary Reviewer: Member 4  
Secondary Reviewer: AV  
Recommendation: Approve

2010-0030    Add Survival Surgery – Mice/Rats  
Primary Reviewer: Member 4  
Secondary Reviewer: AV  
Recommendation: DMR the Chair appointed Member 4 an AV

2008-0219    Add animals >20% - Mice  
Primary Reviewer: Member 4  
Recommendation: Approve

2014-0668    Add SPECT Imaging - Mice  
Primary Reviewer: Member 2  
Secondary Reviewer: AV  
Recommendation: Approve

2012-0496    Add Surgery - Rats  
Primary Review: Member 7  
Secondary Reviewer: AV  
Recommendation: DMR the chair appointed Member 7 and AV

2014-0704    Add hind limb grip strength and rotarod test - Mice  
Primary Reviewer: 7  
Secondary Reviewer: AV  
Recommendation: Approve

2019-0999    Add Surgery - Mice  
Primary Reviewer: Member 1  
Secondary Reviewer: AV

Recommendation: DMR the Chair appointed Member 1 and AV

- 2015-0737    Add Hazards - Mice  
Primary Reviewer: Member 5, Biological Safety  
Secondary Reviewer: AV  
Recommendation: Approve
- 2010-0025    Grant Congruency/Add Hazard - Mice  
Primary Reviewers: PAM, Biological Safety  
Secondary Reviewer: AV  
Recommendation: DMR the chair appointed Biological Safety and PAM

**VVC Amendments Approved**

- 2018-0982    Modify tail vein procedure - Mice
- 2012-0459    Change an analgesic to Buprenorphine SR - Mice

**Minor Amendments Approved by the IACUC Office (Add Personnel other than PI and/or Titles) from 10/15/2020 thru 11/12/2020**

- 2014-0673    remove satellite housing
- 2015-0737    To add the title in the protocol
- 2013-0586    adding an animal strain
- 2009-0032    To add new personnel
- 2008-0115    add personnel
- 2009-0146    addition of personnel
- 2010-0044    Add Personnel
- 2013-0528    Adding personnel
- 2011-0406    add personnel
- 2011-0408    remove personnel
- 2009-0195    adding personnel
- 2012-0459    Add personnel
- 2012-0437    add personnel
- 2019-1000    add a new mouse line
- 2019-0999    add a mouse line
- 2008-0051    Personnel changes
- 2011-0392    new personnel
- 2017-0837    Add title
- 2009-0031    To add new personnel
- 2019-1012    Modification after PAM visit
- 2020-1024    Correct and update the justification for the  
number of pigs needed.
- 2019-0990    Adding intramural funding
- 2016-0803    Delete person
- 2008-0219    remove satellite housing

**Annual Renewals Covered Species – None**

**Annual Renewals approved by IACUC office**

- 2018-0984 - Mice
- 2018-0983 - Mice

**VOTE on AUP actions: All 9 members voted to approve all 6 protocols, Major amendments all 9 members voted to approve 7 and DMR 4 of them. All VVC and minor amendments approved by all 9 members present**

**Incident Reports –**

1. **Follow up #67:** Surgery on rats that was not approved in his protocol which was reported to OLAW. PI and lab staff received compliance training and reviewed their AUP, costs associated with animals have been paid with non-NIH funds and NIH notified of this, PIs protocol has been amended. PI has been informed that data from rats cannot be used as preliminary data for a grant or published in a manuscript that states that animal procedures were approved by the IACUC. All actions were completed by October 30<sup>th</sup>, OLAW was informed and they have closed the incident. The IACUC Chair notified the PI that they can proceed with the DOCA surgery. **No further action is needed.**
2. **Follow up #68–** No postop monitoring after surgery 2017-0868. This was the third incident in 3 months from this lab. Two previous incidents were associated with performing tail clip without IACUC approval. Repeated non-compliance was reported to OLAW. All lab members received compliance training and reviewed their AUP, surgery was stopped until all lab members were retrained in surgical procedures, lab was fined \$5000 by IACUC and the PI was informed that another incident report could result in suspension of AUP by IACUC. These actions were completed by Nov 2<sup>nd</sup> and OLAW informed on Nov 3<sup>rd</sup>. **No further action needed.**
3. **New #71 -** Mouse room climate – PI found three dead litters and assumed the room was too cold. LAS checked daily temperature log and temperature monitoring of air entering the room. The temperatures were within the recommended range on the days the litters died. The PI was informed that it was unlikely that the pups died from hypothermia. **No further action needed.**
4. **New #72 –** Improper Euthanasia – 5 live neonates and 6 dead adult mice were found in freezer without secondary method of euthanasia. LAS euthanized the mice and contacted PI. The PI and all research personnel have been retrained in appropriate methods of euthanasia. PI has requested a VVC amendment to add another means of euthanasia. **No further action is needed.**
3. **New #73 –** Cage found without food. Two of the four mice in the cage were dead and had been cannibalized. LAS had failed to identify cages were without food. LAS staff disciplined. Procedures used to improve identification of cages without food will be discussed with the incoming LAS Director/AV that starts January 1, 2020. **No further action is needed.**
4. **Old Business**
  - a) Update on Gazebo repair (Follow-up). All repairs have been completed as of 10/23/2020.
  - b) SOPs for satellite housing: IACUC office received SOPs for 2 rodent satellites, existing SOPs for aquarium and zebra fish core, one rodent SOP still needed.
5. **New Business**
  - a. AAALAC Discussion – The site visitors identified 8 items for improvement, three are relevant to the IACUC. No mandatory findings. The IACUC sent a response to the 8 items to AAALAC last week and the report was shared at the meeting with all members. AAALAC will recommend full accreditation.
  - Animals are being single housed for longer than necessary. The IACUC Chair emailed 25 PIs approved for single housing of rodents for experimental reasons reminding

them to minimize duration of single housing. AUP will now require a justification for duration of single housing in addition to reason for single housing.

- Some equipment in PI procedure room was not clean. Confirming clean appearance of behavioral and experimental equipment has been added to inspection form.
- Containers of ethanol, formaldehyde and unknown liquid were not double contained.

Looking for double containment has been added to the inspection form.

6. PAM Reports – No PAM visits this month
7. Congruency Report – 2 conducted, one AUP needed a Major amendment
8. PI lab inspections – 7 labs inspected. One lab needs to be trained on keeping surgical records, the IACUC Chair and Member 1 will meet with the PI and lab staff the week after Thanksgiving and then an announced follow up inspection will be done to assure the records are capturing information required by the IACUC.
9. Minority Views – None
10. On the Radar – Semi-annual inspections and program review in December

Adjourn

## IACUC Minutes

**Meeting Date:** December 22, 2020

**Meeting Location:** WebEx Noon

**Attendees:** IACUC Chair, Members 1,2,4,5,6,8 and alternate for Member 9

**Members Absent:** Member 7, 9, AV

**Nonvoting Attendees:** IACUC Staff, LAS Training Coordinator, Vet 2 and Legal

### Opening Reports

1. Chair's Opening Comments –
  - a. Motion to Approve Agenda – Motion made and seconded. 6 members present voted to approve
  - b. Attachments: PDF of AUPs for all new & 3 yr. renewals and major amendments;
2. AV Opening Comments –
  - a. Animal Care Leadership Update – Room temperature regulation in LAS facilities has been discussed by upper Administration and talk of submission of a grant to develop a suite of rooms that can be maintained at thermoneutral temperature for mice is being developed by Dr. Terry. Dr. Doug Taylor (LAS Director/AV) will be on board January 1, 2021
  - b. Bio-surveillance – Completed no new pathogens found
  - c. Social Housing – Nothing to report

**IACUC Closed Meeting – Anyone present for the closed meeting must have a signed “Confidentiality Form” on file with the IACUC office.**

1. Approval of the IACUC November Meeting Minutes – 6 members present voted to approve
2. AUP Actions:

### Protocols

2011-0408	Primary Reviewer: Member 7 Recommendation: DMR - Chair appointed Member 7
2011-0401	Primary Reviewer: Member 1 Recommendation: Approve
2011-0412	Primary Reviewer: Member 2 Recommendation: Approve
2017-0933	Primary Reviewer: Member 5 Recommendation: Approve
2020-1035	Primary Reviewer: IACUC Chair Recommendation: Approve

## **Major Amendments DMR**

- 2010-0030 DMR Member 4 and AV (Mice/rats) - Approved on 11/23/2020
- 2012-0496 DMR Member 7 (Rats) – Approved on 11/26/2020
- 2019-0999 DMR Member 1 and AV Add Surgery (Mice) – Approved on 11/30/2020
- 2010-0025 Grant Congruency/Add Hazard (Mice)  
DMR PAM, Biological Safety - Approved

## **Major Amendments**

- 2020-1031 Add a new behavior testing (Rats and Mice)  
Primary Reviewer: Member 2  
Secondary Reviewer: AV  
Recommendation: Approve
- 2010-0201 Add Hazard (Mice)  
Primary Reviewer: Biological Safety  
Secondary Reviewer: Member 4  
Recommendation: Approve
- 2014-0691 Add surgery, drug administration and personnel (Mice)  
Primary Reviewer: Member 6  
Secondary Review: AV  
Recommendation: DMR - Chair appointed AV
- 2014-0704 Add drug administration (Mice)  
Primary Reviewer: Member 6  
Secondary Reviewer: AV  
Recommendation: DMR – Chair appointed AV

## **Minor Amendment**

- 2008-0162 Grant Congruency  
Primary Reviewer: PAM  
Secondary Reviewer: AV  
Recommendation: Approve

## **VVC Amendments Approved**

- 2019-1014 Add Euthanasia - Mice
- 2019-1012 Add Anesthetic - Mice
- 2012-0496 Change Analgesic; change dose of anesthetic, add room location - Rats

## **Minor Amendments Approved by the IACUC Office (Add Personnel other than PI and/or Titles) from 11/13/2020 thru 12/14/2020**

- [2014-0625](#) Add new personnel
- [2019-0999](#) add new lab member
- [2010-0141](#) add a title
- [2017-0854](#) add personnel
- [2009-0303](#) adding personnel



## **Annual Renewals Covered Species – None**

### **Annual Renewals approved by IACUC office –**

2017-0837

2013-0619

2010-0141

2013-0530

2014-0630

2011-0319

**VOTE on AUP actions: All 7 members present voted to approve 4 AUPS and to DMR 1. One member abstained on voting for major amendments. The vote was to approve 2 and DMR 2 to AV. VVC and minor amendments were approved.**

### **Incident Reports –**

- Mouse bit the gloved thumb of a research staff member. Individual followed protocol to cleanse the bite and the incident was followed up by Employee Health. Animal was euthanized for a scheduled experiment. **No further action is needed.**
- On 12/13, the DLAS supervisor was made aware of increased temperature in the room by care staff. This room is normally set at 82-85 degrees. The supervisor unplugged the heater in the room, although it was not actively heating at the time. On 12/14, 9 animals housed on the top shelf of a rack positioned under a heating vent were found dead. Gross necropsy findings support hyperthermia as the cause of death. Lengthy discussion of room temperatures. LAS has already responded so that mice will no longer be housed on top of the rack and they are looking into temperature monitoring strips for inside the cages. A need for better Heat/AC monitoring and control is being discussed by upper Administration and facilities and LAS are exploring better methods for heating monitoring room temperature in the interim. The incident was reported to OLAW and LAS has implemented retraining of Supervisors/Caretakers because neither the AV nor the PI was informed of temperature problem until the mice were found dead on 12/14/20. This item will remain on the agenda for next month.

3. Old Business – has been postponed till January meeting
  - a) One rodent satellite housing SOP still needed.
  - b) Update on response to AAALAC-identified deficiencies – Postponed until January meeting
4. New Business:
  - a. Semi Annual Program Review and Facilities Inspection – Discussion postponed until January meeting
5. PAM Reports – 2 PAM visits
6. Congruency Reports - 4
7. PI lab inspections – 4 Satellite labs inspected: No Deficiencies
8. Minority Views – None
9. On the Radar – Discussion of Protocol review by committee and sub-committee members

Adjourn