



**INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE  
MEETING MINUTES  
August 19, 2020**

The Institutional Animal Care and Use Committee virtually met on August 19, 2020. The [IACUC Chair] called the meeting to order at 1:01 pm. Seventeen members were present, fulfilling the quorum requirement of ten of 18 voting members in attendance.

**ANNOUNCEMENTS:**

OAV staff briefly went through the etiquette on video conferencing. Alternate members who were voting at the meeting were announced.

[7] and [F] were named IACUC members of the month. This was their last IACUC meeting. Both were thanked for their service on the committee and [F] was also thanked for his service on the Investigative Subcommittee (IS).

Open Session: 1:03 pm

**NEW BUSINESS:**

OAV staff presented changes to Document 101. The policy had been circulated to members prior to the meeting. Changes focused on formatting and text deletions. New information added covered an introductory paragraph indicating the purpose of the policy. Text had been justified and spacing corrected to match the new format. Deletions included extra background information not needed as part of the policy. This information was moved to a reference section at the end of the document. Definitions other than “Animal” were moved to another document titled “Additional Definitions”. The secondary document contained references and resources that did not need to be a part of the policy and did not require a vote. A link to the additional definitions was added at the end of the policy.

Discussion:

Discussion centered around avians and considering them animals at 85% of their required incubation. [Q] questioned whether the policy definition for animal should be different than the regulatory agencies definitions. [AV] informed the committee on OLAW’s position; avians were considered animals upon hatching. It was explained that the policy was written this way due to a previous issue. [IACUC Chair] stated since the policy had been reduced significantly this definition should remain at this time. The Administrative Burden Reduction Committee could be tasked to revisit the document. Several members questioned whether people who use eggs even know about this policy and would this really prevent accidental hatchings. Others

noted that this could be regarded as regulatory creep. [E] indicated this would be a good reference for PIs and help IACUC members to determine when an IACUC protocol was needed in these cases. More discussion ensued. [6] indicated if a hatching occurred, if no protocol was in place, that was a serious noncompliance. The policy as written provided a buffer for that situation. It was determined a consensus of the committee could not be reached at this time. [13] announced his subcommittee would review this policy.

[AV] made a motion to accept Document 101 as presented. [6] seconded the motion. The motion passed as follows For: 13; Against: 4.

OAV staff presented changes to Document 102. The policy had been circulated to members prior to the meeting. Changes were mainly formatting and text deletions. The text had been justified and spacing corrected to match the new format. Added verbiage included the introductory paragraph similar to Document 101. The only additions to this policy were sentences giving examples for non-survival surgery and a definition for “multiple survival surgery”. The Guidelines and references included via link at the end of the policy were not changed and did not require a vote.

No members had questions or concerns.

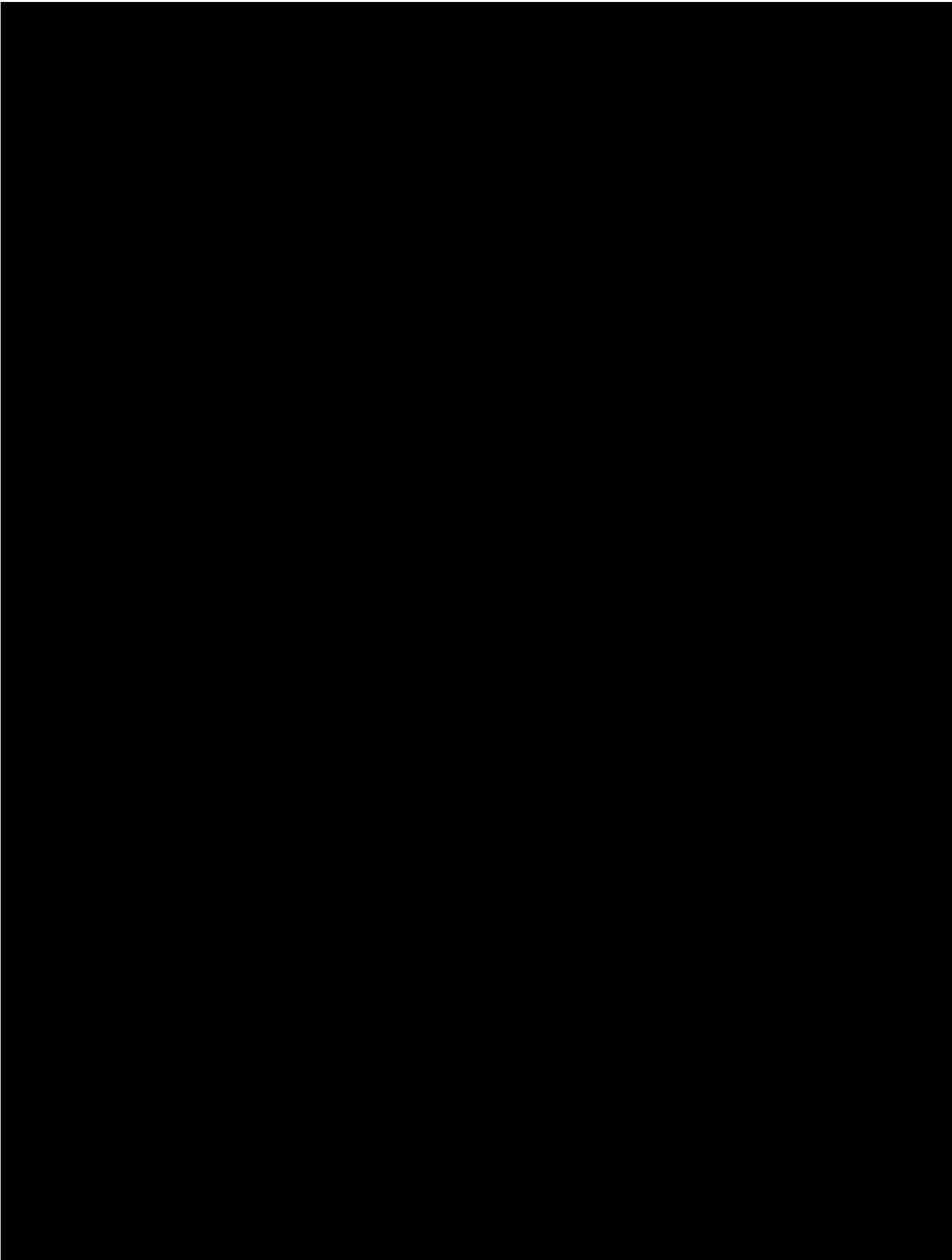
[7] made a motion to accept Document 102 as presented. [15] seconded the motion. The motion passed unanimously.

OAV staff presented the following sections of the Semiannual Program Review: *IACUC*, *IACUC Protocol Review*, *IACUC Membership & Functions*, *IACUC Training*, *IACUC Records & Reporting Requirements*. Results are included at the end of the minutes. There was a question if a note should be added to the Program Review to indicate a waiver from OLAW for site inspections had been granted. It was determined this was not necessary.

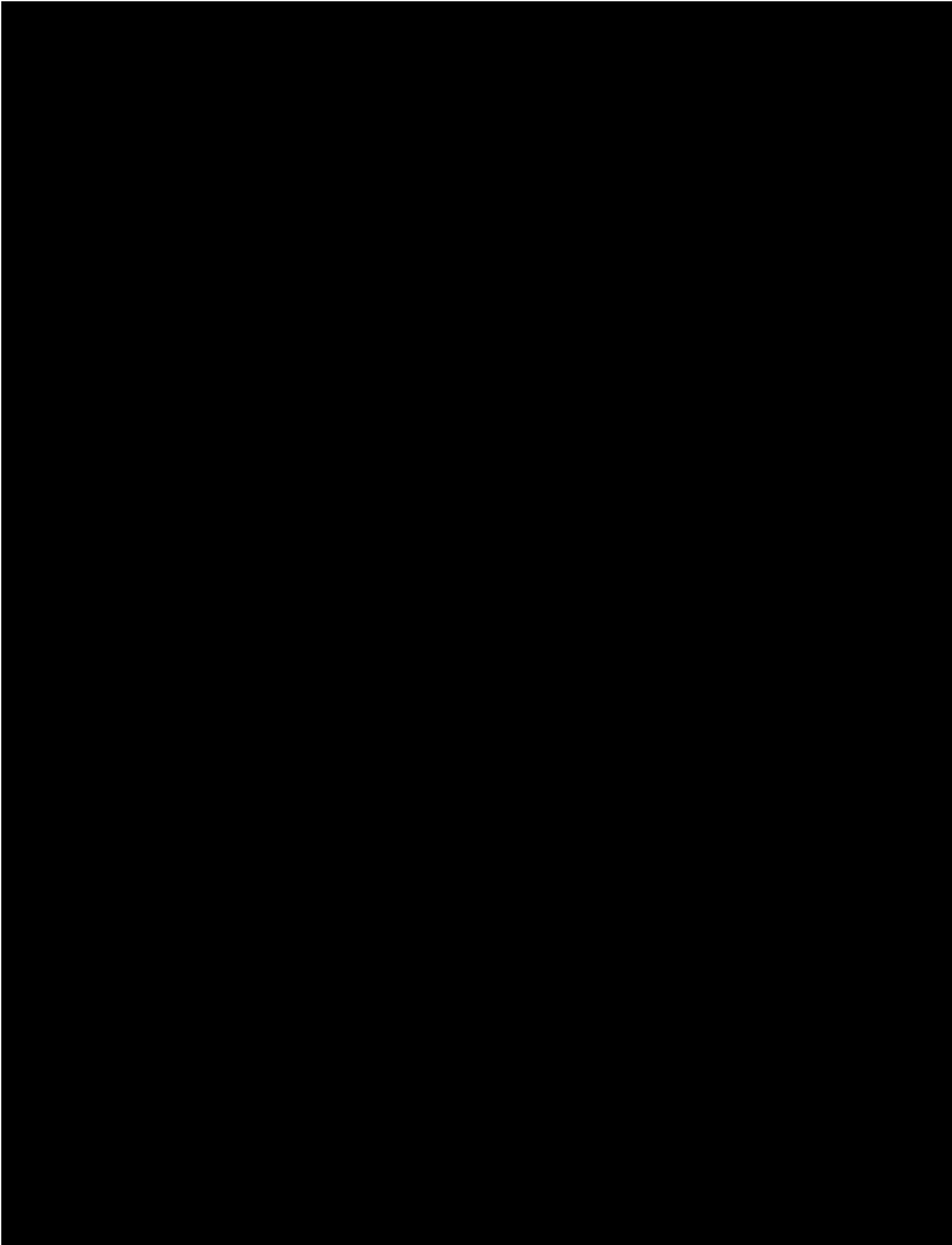
[18] gave a brief AAALAC update. The completed program description had been submitted and accepted. Coordinating the site visit schedule with the VA in the fall was in progress.

[IACUC Chair] indicated for the remaining portion of the meeting that protocol discussions would be considered in closed session and would be reflected as such in the minutes. Voting immediately followed each protocol discussion and is reflected in the minutes as open session. Noncompliance discussions were considered to be held in closed session and are reflected in the minutes as such. Voting occurred immediately after each discussion. Voting to suspend a protocol would be held in open session, but all other sanctions and/or recommendations to the IO would be considered to be held in closed session and be reflected as such in the minutes. Business portions of the agenda were held in open session.

Closed Session Minutes: 1:39 pm

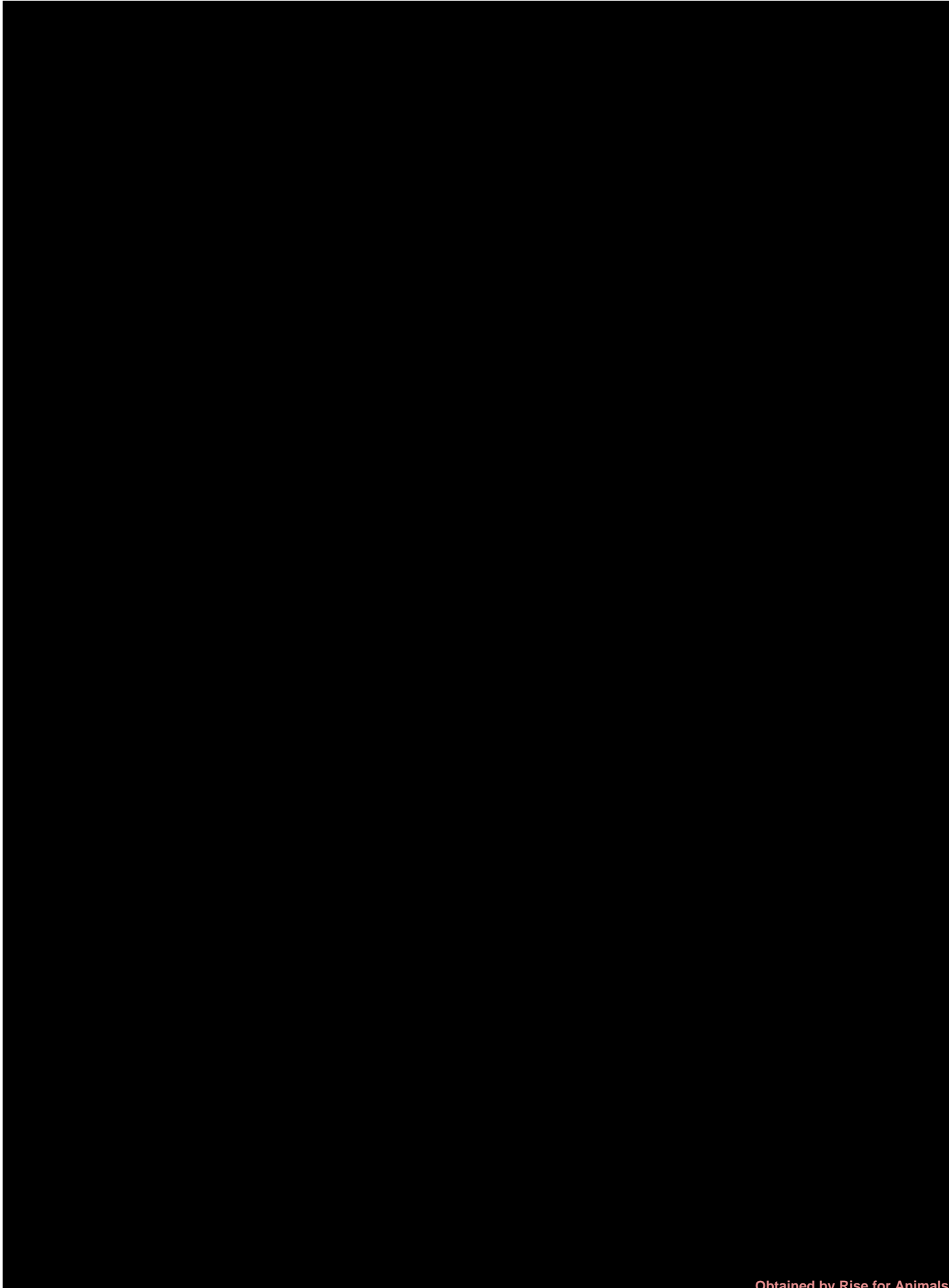














**Open Session:** 2:23 pm

**OLD BUSINESS:**

**Minutes:** [15] announced the July minutes would come to the September meeting.

The outstanding deficiencies list was circulated to the members before the meeting.

The committee was informed of the following regarding the CPR program: The 4 CPR's previously discussed at the July meeting had been closed.

There were no updates for the Subcommittee for Training, for Food Restriction/Fasting Requiring Full Committee Review, or the Administrative Burden Reduction Committee.

**Protocol Voting:**

Amendment 2016-2568: [F] moved to require modifications to secure approval (receipt of clarifications specified in review). [5] seconded the motion. Motion passes as follows: For: 14; Against: 0. [F] moved to send the protocol to designated member review. [AV] seconded the motion. The motion failed. Reviewers assigned for the follow-up of this protocol were [10] and [E].

In accordance with the PHS Assurance and requirements set forth in 9 Code of Federal Regulations (CFR) and institutional policy, the following Designated Review Protocols, Annual Reviews and Amendments have been reviewed and approved by a designated member of the IACUC. The Full Committee was informed of the Designated Review Protocols, Annual Reviews and Amendments as noted on the August 19, 2020 agenda.

#### **Designated Review Protocols:**

2017-2612	2019-3247	2020-3590	2020-3607
2017-2728	2019-3260	2020-3596	WHI-17-006-AF
2017-2729	2020-3478	2020-3600	
2017-2770	2020-3523	2020-3602	
2017-2813	2020-3566	2020-3606	

#### **Annual Reviews:**

642L2003	2016-2504	2019-3196	2019-3268
2012-1019	2018-2978	2019-3215	2019-3276
2012-1033	2018-3015	2019-3244	2019-3282
2015-2155	2018-3025	2019-3245	2019-3291
2016-2378	2018-3033	2019-3254	2019-3301
2016-2454	2018-3055	2019-3262	
2016-2498	2018-3060	2019-3266	

#### **Amendments – Minor and Designated Reviews:**

642L2003	2016-2378	2018-2958	2019-3254	2019-3379
644M2003	2016-2454	2018-2967	2019-3256	2019-3381
732L2004	2016-2480	2018-3011	2019-3262	2019-3391
2009-0436	2016-2504	2018-3025	2019-3263	2019-3401
2009-0444	2016-2508	2018-3034	2019-3267	2019-3402
2009-0445	2016-2512	2018-3060 (2)	2019-3278	2019-3422
2009-0472	2016-2569	2018-3079	2019-3286	2020-3425
2010-0722	2017-2628	2018-3105	2019-3287	2020-3432
2011-0862	2017-2645	2018-3115	2019-3292	2020-3446
2012-0967	2017-2742	2018-3125	2019-3304 (2)	2020-3449
2012-0971	2017-2744	2019-3145	2019-3308	2020-3450
2012-1005	2017-2835	2019-3146	2019-3318 (2)	2020-3476
2012-1020	2018-2849	2019-3193	2019-3320	2020-3490
2012-1033	2018-2854	2019-3215	2019-3322	2020-3522
2015-1348	2018-2858	2019-3233	2019-3348	2020-3537
2015-1356	2018-2925	2019-3235	2019-3357	2020-3566
2015-2221	2018-2947	2019-3246	2019-3370	2020-3568
2015-2662	2018-2955 (2)	2019-3252 (2)	2019-3378	2020-3569

**Voting Members:**

[15, 10, N (for 11), 18, 5, 9, K (for 8) , A (for 12), 7, 17, 14, F (for 16), 6, IACUC Chair, 1, AV and 13]; Alternate Nonvoting: [M, I, and Q]; IACUC, IBC and RIS support staff.

[AV] made a motion to adjourn the meeting. [15] seconded the motion. The meeting was adjourned at 2:25 pm.

## Semiannual Program Review Checklist

<b>1. IACUC <span style="background-color: yellow;">NEW</span> 8/19/2020</b>		<b>A*</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>NA</b>
• Meets as necessary to fulfill responsibilities ( <a href="#">Guide, p 25</a> ) <span style="background-color: cyan;">[must]</span>	X					
• IACUC Members named in protocols or with conflicts recuse themselves from protocol decisions ( <a href="#">Guide, p 26</a> ) <span style="background-color: cyan;">[must]</span>	X					
• Continuing IACUC oversight after initial protocol approval is in place ( <a href="#">Guide, p 33</a> )	X					
• IACUC evaluates the effectiveness of training programs ( <a href="#">Guide, p 15</a> )	X					
<b>2. IACUC Protocol Review - Special Considerations 8/19/2020</b>		<b>A*</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>NA</b>
• Humane endpoints are established for studies that involve tumor models, infectious diseases, vaccine challenge, pain modeling, trauma, production of monoclonal antibodies, assessment of toxicologic effects, organ or system failure, and models of cardiovascular shock ( <a href="#">Guide, p 27</a> )	X					
• For pilot studies, a system to communicate with the IACUC is in place ( <a href="#">Guide, p 28</a> )	X					
• For genetically modified animals, enhanced monitoring and reporting is in place ( <a href="#">Guide, p 28</a> )	X					
• Restraint devices are justified in the animal use protocols ( <a href="#">Guide, p 29</a> ) <span style="background-color: cyan;">[must]</span>	X					
• Alternatives to physical restraint are considered ( <a href="#">Guide, p 29</a> )	X					
• Period of restraint is the minimum to meet scientific objectives ( <a href="#">Guide, p 29</a> )	X					
• Training of animals to adapt to restraint is provided ( <a href="#">Guide, p 29</a> )	X					
• Animals that fail to adapt are removed from study ( <a href="#">Guide, p 29</a> )	X					
• Appropriate observation intervals of restrained animals are provided ( <a href="#">Guide, p 29</a> )	X					
• Veterinary care is provided if lesions or illness result from restraint ( <a href="#">Guide, p 30</a> ) <span style="background-color: cyan;">[must]</span>	X					
<b>3. IACUC Membership and Functions 8/19/2020</b>		<b>A*</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>NA</b>
• IACUC is comprised of at least 5 members, appointed by CEO (PHS Policy, <a href="#">IV.A.3.</a> )	X					
• Members include a veterinarian, a scientist, a nonscientist, and a nonaffiliated non-lab animal user ( <a href="#">Guide, p 24</a> )	X					
• IACUC authority and resources for oversight and evaluation of institution's program are provided ( <a href="#">Guide, p 14</a> )	X					
• IACUC conducts semiannual evaluations of institutional animal care and use program (PHS Policy, <a href="#">IV.B.</a> )	X					
• Conducts semiannual inspections of institutional animal facilities (PHS Policy, <a href="#">IV.B.</a> )	X					
• IACUC organizationally reports to the Institutional Official (PHS Policy, <a href="#">IV.A.1.b.</a> )	X					
• Methods for reporting and investigating animal welfare concerns are in place ( <a href="#">Guide, p 23</a> ) <span style="background-color: cyan;">[must]</span>	X					
• Reviews and investigates concerns about animal care and use at institution (PHS Policy, <a href="#">IV.B.</a> )	X					
• Procedures are in place for review, approval, and suspension of animal activities (PHS Policy, <a href="#">IV.B.</a> )	X					
• Procedures are in place for review and approval of significant changes to approved activities (PHS Policy, <a href="#">IV.B.</a> )	X					
• Policies are in place for special procedures (e.g., genetically modified animals, restraint, multiple survival surgery, food and fluid regulation, field investigations, agricultural animals) ( <a href="#">Guide, p 27-32</a> )	X					
• Requests for exemptions from major survival surgical procedure restrictions are made to USDA/APHIS ( <a href="#">Guide, p 30</a> ) <span style="background-color: cyan;">[must]</span>	X					
<b>4. IACUC Training <span style="background-color: yellow;">NEW</span> 8/19/2020</b>		<b>A*</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>NA</b>
• All IACUC members should receive:						
o Formal orientation to institution's program ( <a href="#">Guide, p 17</a> )	X					
o Training on legislation, regulations, guidelines, and policies ( <a href="#">Guide, p 17</a> )	X					

o Training on how to inspect facilities and labs where animal use or housing occurs ( <i>Guide</i> , <a href="#">p 17</a> )	X				
o Training on how to review protocols as well as evaluate the program ( <i>Guide</i> , <a href="#">p 17</a> )	X				
o Ongoing training/education ( <i>Guide</i> , <a href="#">p 17</a> )	X				

**5. IACUC Records and Reporting Requirements 8/19/2020****A\* M S C NA**

• Semiannual report to the IO (PHS Policy, <a href="#">IV.B.</a> )					
o Submitted to IO every 6 months	X				
o Compiles program review and facility inspection(s) results (includes all program and facility deficiencies)	X				
o Includes minority IACUC views	X				
o Describes IACUC-approved departures from the <i>Guide</i> or PHS Policy and the reasons for each departure	X				
o Distinguishes significant from minor deficiencies	X				
o Includes a plan and schedule for correction for each deficiency identified	X				
• Reports to OLAW (PHS Policy, <a href="#">IV.F.</a> )					
o Annual report to OLAW documents program changes, dates of the semiannual program reviews and facility inspections and includes any minority views	X				
o Promptly advises OLAW of serious/ongoing <i>Guide</i> deviations or PHS Policy noncompliance ( <a href="#">NOT-OD-05-034</a> )	X				
o Institute must promptly advise OLAW of any suspension of an animal activity by the IACUC ( <a href="#">NOT-OD-05-034</a> )	X				
• Reports to U.S. Department of Agriculture (USDA) or Federal funding agency					
o Annual report to USDA contains required information including all exceptions/exemptions	X				
o Reporting mechanism to USDA is in place for IACUC-approved exceptions to the regulations and standards	X				
o Reports are filed within 15 days for failures to adhere to timetable for correction of significant deficiencies	X				
o Promptly reports suspensions of activities by the IACUC to USDA and any Federal funding agency	X				
• Records (PHS Policy, <a href="#">IV.E.</a> )					
o IACUC meeting minutes and semiannual reports to the IO are maintained for 3 years	X				
o Records of IACUC reviews of animal activities include all required information	X				
o Records of IACUC reviews are maintained for 3 years after the completion of the study	X				

- \* **A** = acceptable  
**M** = minor deficiency  
**S** = significant deficiency (is or may be a threat to animal health or safety)  
**C** = change in program (PHS Policy [IV.A.1.a.-i.](#)) (include in semiannual report to IO and in annual report to OLAW)  
**NA** = not applicable



**INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE  
MEETING MINUTES  
September 16, 2020**

The Institutional Animal Care and Use Committee virtually met on September 16, 2020. [IACUC Chair] called the meeting to order at 1:01 pm. Sixteen members were present, fulfilling the quorum requirement of ten of eighteen voting members in attendance.

**ANNOUNCEMENTS:**

OAV staff briefly went through etiquette on video conferencing.

OAV staff announced the number of voting members present including alternate members who were voting.

[Q] introduced the new members of the IACUC [C], [F], [I], [8] and indicated [7] is now a full voting member.

[7] was named IACUC member of the month.

[IACUC Chair] reminded members to let the IACUC office know if they were experiencing any delays with reviews with the start of the new semester and if necessary, protocols can be reassigned.

Open Session: 1:07 pm

**NEW BUSINESS:**

**Document 104:** [Q] noted the changes made to the document including formatting changes, deletion of extraneous information, reorganization of the list of “musts” for researchers, removing numbers from the reference section, the addition of a PI responsibility statement to ensure staff are trained prior to anesthetic equipment use and the inclusion of verbiage from EH&S to ensure proper use of open drop techniques.

The discussion for this document involved removing redundant information requiring the certification technician to initial the anesthesia machine and replacing the word “validated” with certified. [OAV staff] reminded the committee that only persons who were notified at the beginning of the meeting needed to vote and assisted with the voting mechanisms.

[15] made a motion to accept the revisions to Document 104. [AV] seconded the motion. The motion passed unanimously.

**Document 106:** [Q] noted the changes made to the document including formatting changes, changes to the order of requirements, AALAS Learning Library information was streamlined, “exemption” was changed to “exception” for research consultants, added a paragraph for DLAR and Farm husbandry staff indicating training for husbandry personnel as the responsibility of the respective unit, and replaced the Occupational Health course requirement. An orientation for new IACUC members was also added to the document as a requirement.

The committee had no questions or comments for this document.

[K] made a motion to accept the revisions to Document 106. [10] seconded the motion. The motion passed unanimously.

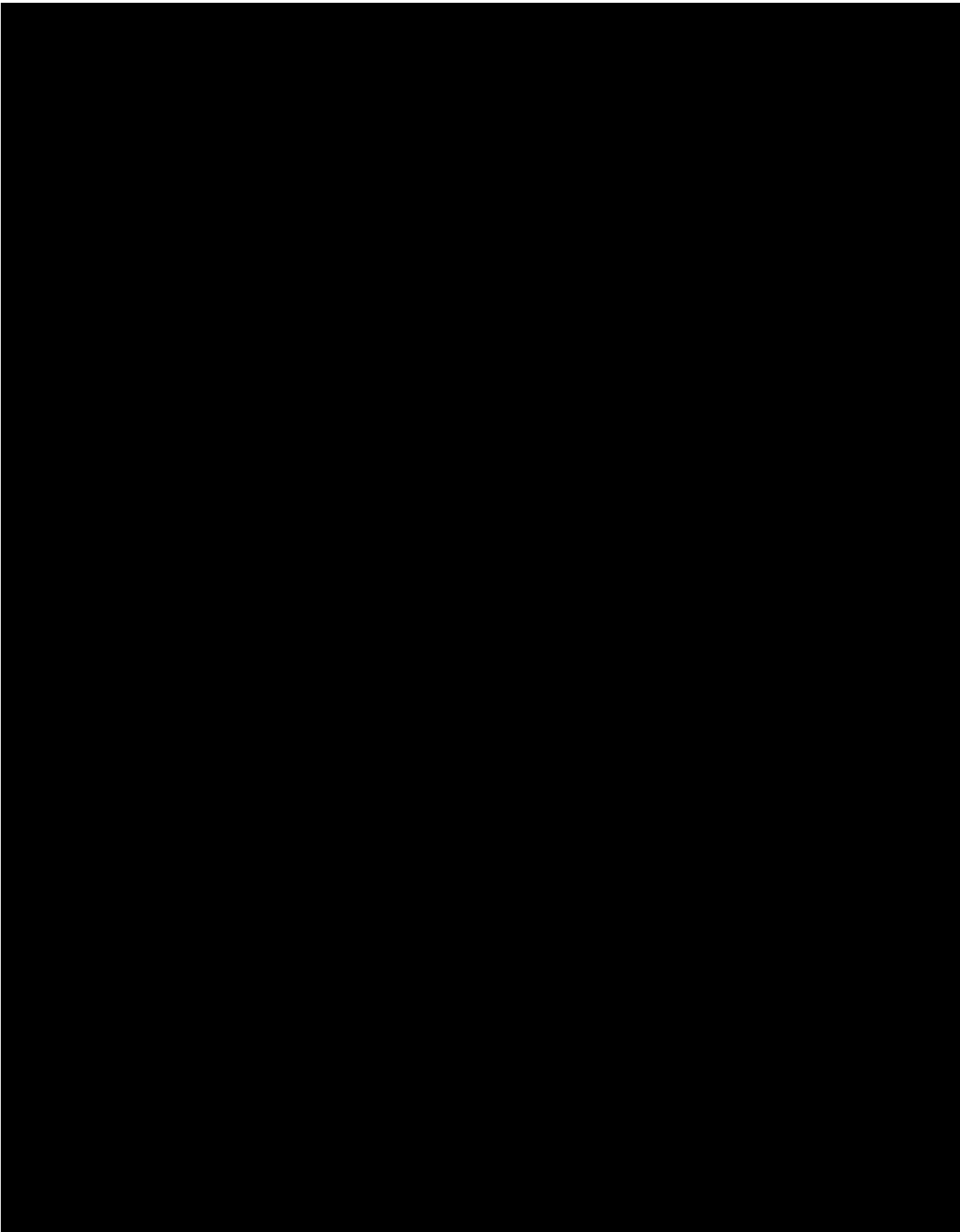
[D] an alternate member joined the meeting not effecting quorum.

**Semiannual Report:** [Q] presented the following section of the Semiannual Program Review: *Animal Care and Use Program and Veterinary Care*. There was a brief discussion about the use of private veterinarians, however the programmatic responsibility falls to the Attending Veterinarian for animal care oversight.

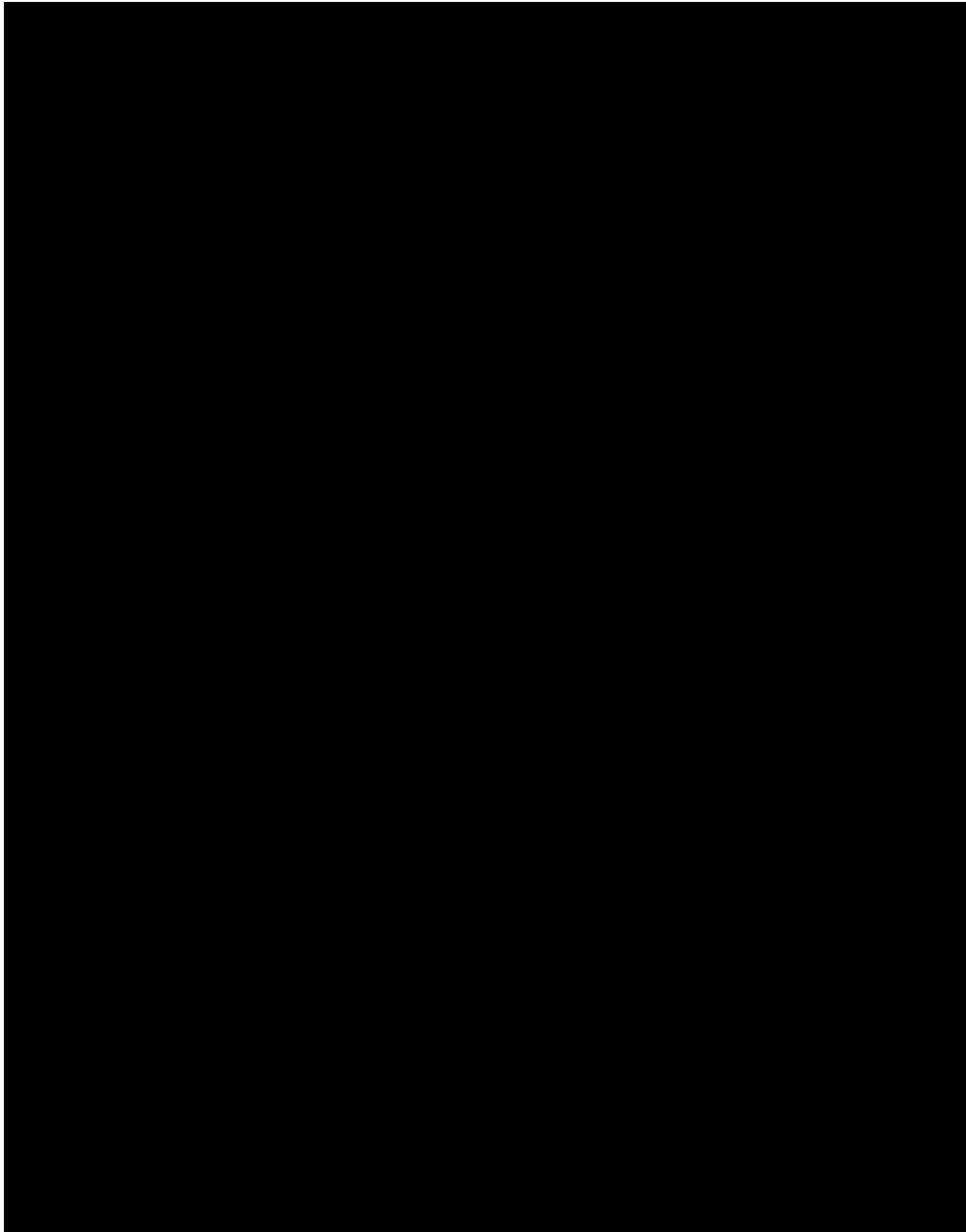
**Document 123:** [7] introduced this topic with background information on a recently reviewed protocol. Due to COVID the experiment was halted at Woodford farm and to avoid outside contact with persons and animals the PI wanted to use personal animals. [7] expressed concern of a potential COI with policy section 123.4 where oversight of animal care is delegated to the PI. Could confirmation of animal care be achieved if owner/manager are the same? It was clarified that there would be minimal involvement with animals as a drone was being used. Questions raised were could confirmation of animal care be achieved if owner/manage were the same, boiling down to could a PI use their own animals? The committee decided there was no clear-cut policy solution, and these should be handled on a case by case basis with reasonable oversight from the IACUC. [IACUC Chair] stated these instances were very rare and don’t warrant a policy change, clarifying that document 123 is specific to farm animals. [7] indicated this was brought to the committee as information only and the PI adequately addressed COI concerns. No vote was required.

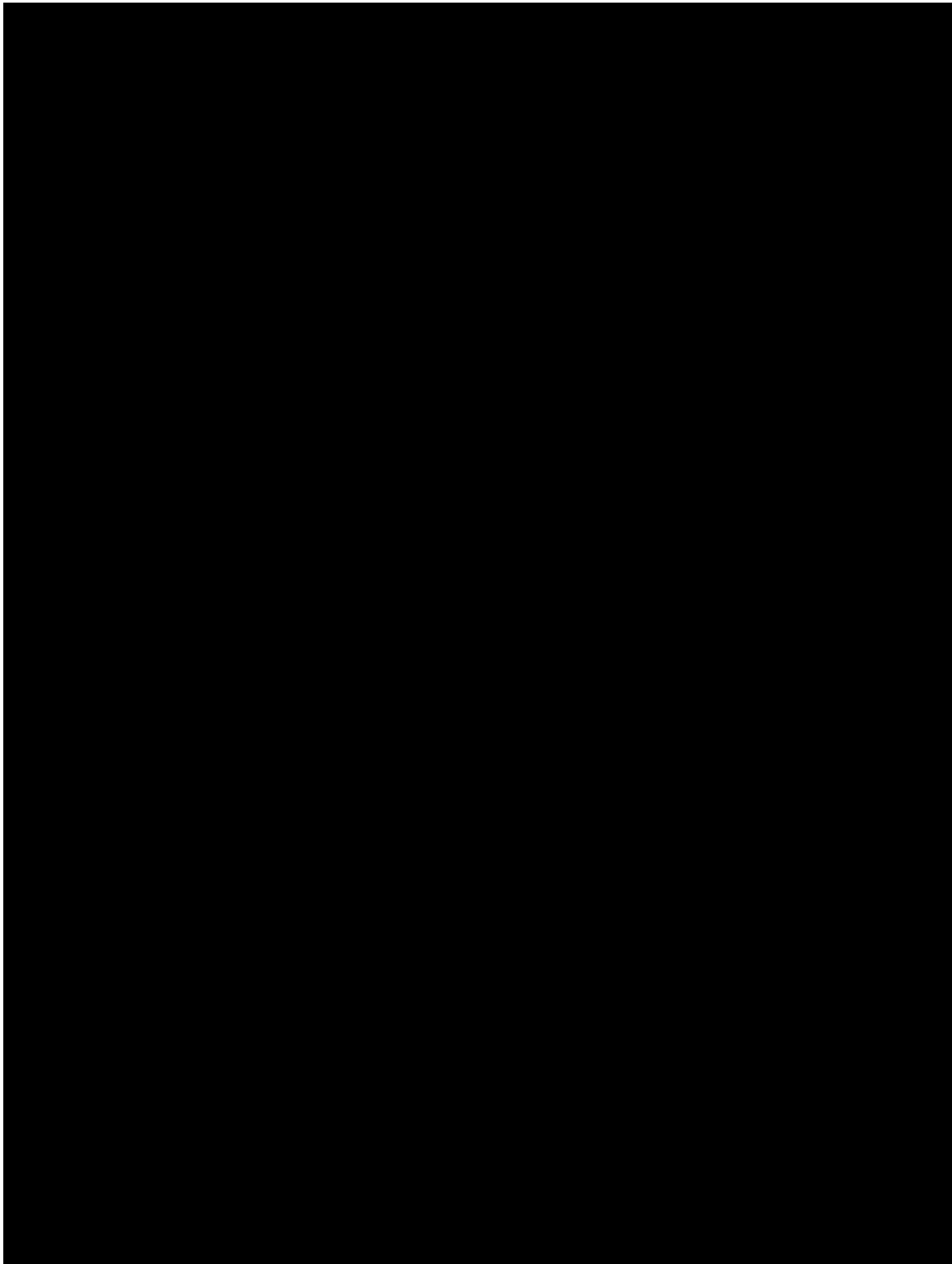
[IACUC Chair] indicated for the remaining portion of the meeting that protocol discussions would be considered in closed session and would be reflected as such in the minutes. Voting immediately followed each protocol discussion and is reflected in the minutes as open session. Noncompliance discussions were considered to be held in closed session and are reflected in the minutes as such. Voting occurred immediately after each discussion. Voting to suspend a protocol would be held in open session, but all other sanctions and/or recommendations to the IO would be considered to be held in closed session and be reflected as such in the minutes. Business portions of the agenda were held in open session.

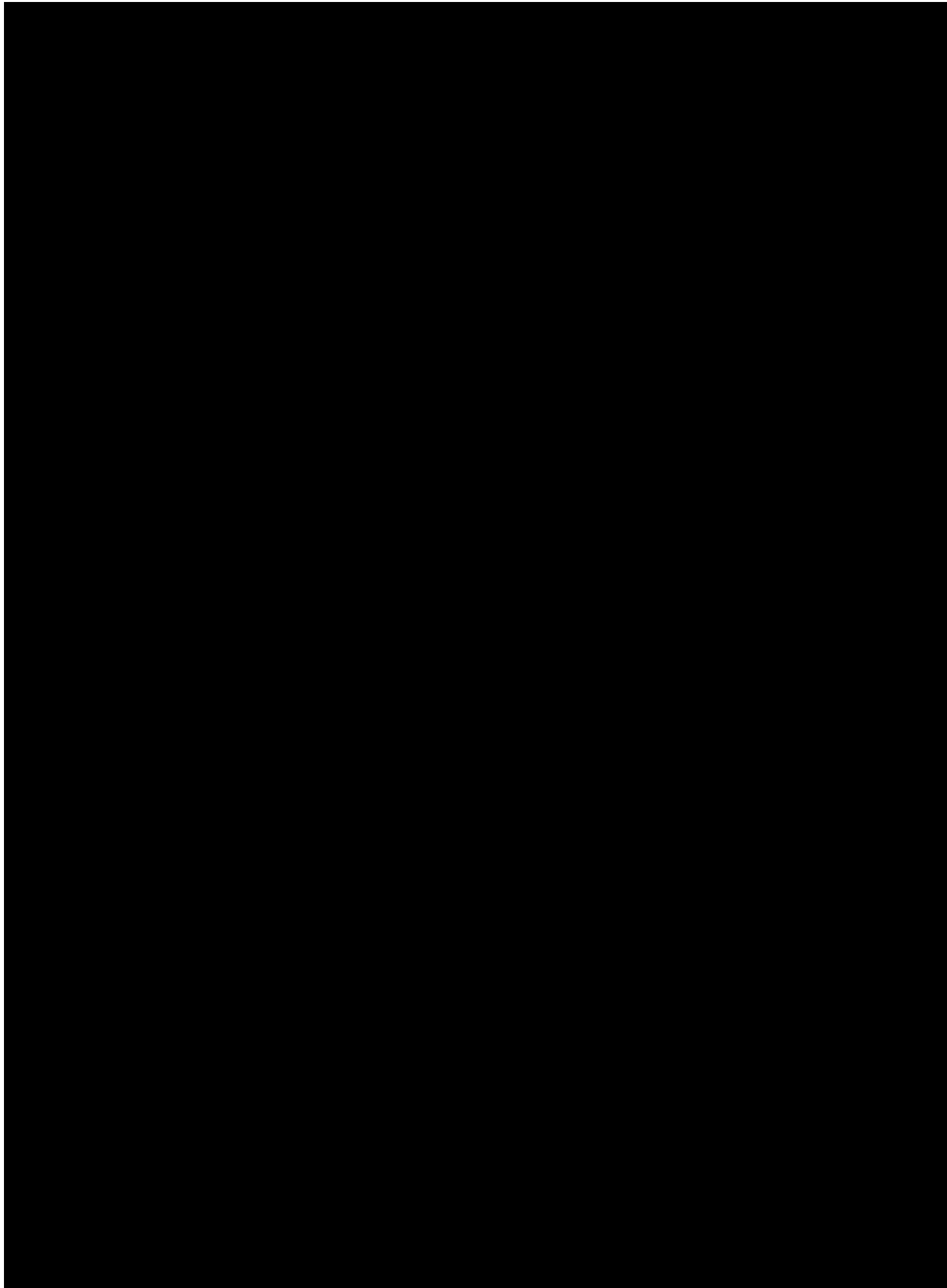
Closed Session: 1:38 pm

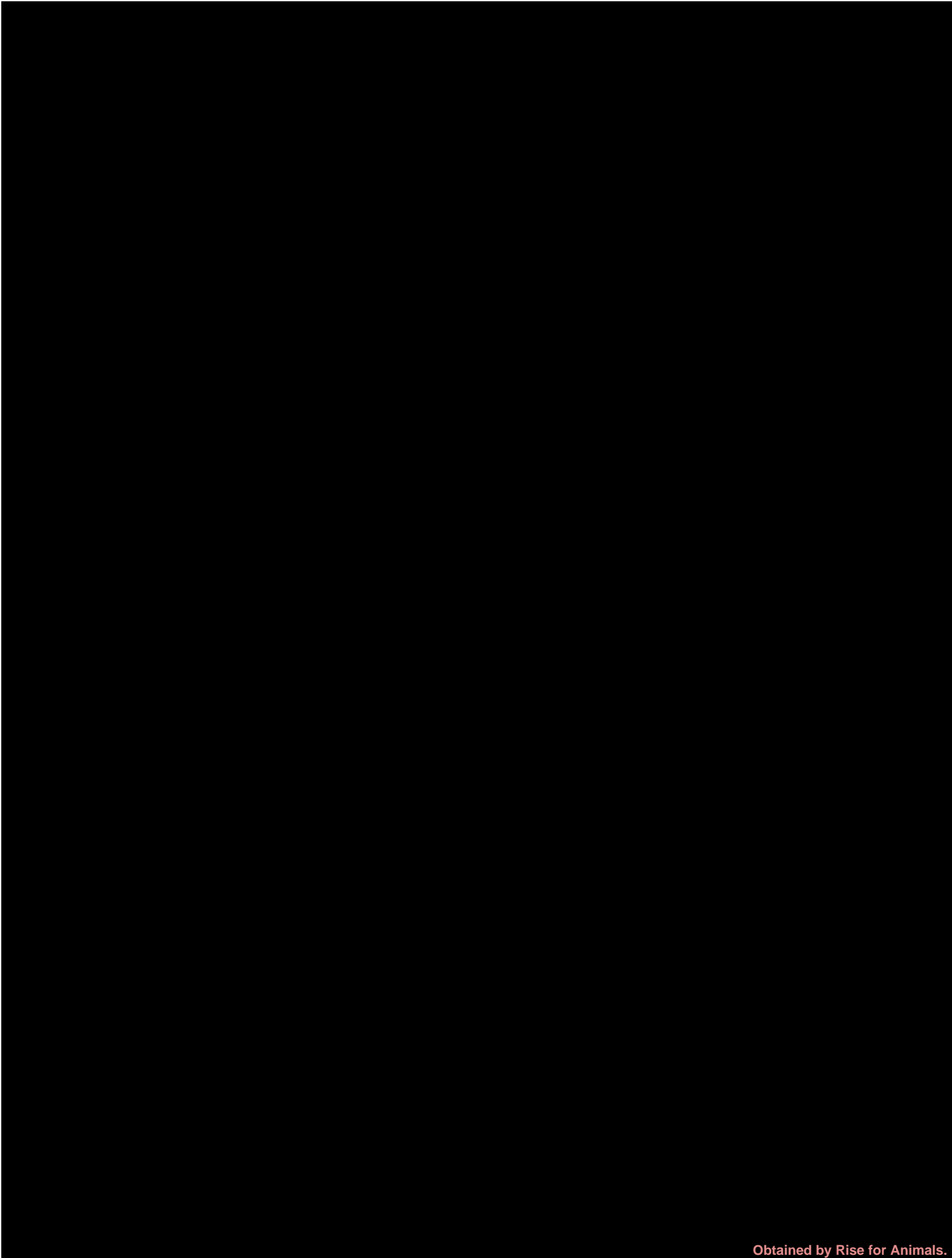














Open Session: 2:35 pm

**OLD BUSINESS:**

**Minutes:** A motion was made by [15] and seconded by [10] to approve the July 15, 2020 minutes as presented. There were no dissenting votes and the motion passed unanimously.

**Protocol Voting:**

Amendment 2016-2568: [15] moved to approve the protocol as presented. [10] seconded the motion. Motion passes as follows: For: 16; Against: 0.

**Subcommittee for Training:** There was no update.

**Food Restriction/fasting requiring full committee review:** There was no update.

**Administrative Burden Reduction Committee:** There was no update.

In accordance with the PHS Assurance and requirements set forth in 9 Code of Federal Regulations (CFR) and institutional policy, the following Designated Review Protocols, Annual Reviews and Amendments have been reviewed and approved by a designated member of the IACUC. The Full Committee was informed of the Designated Review Protocols, Annual Reviews and Amendments as noted on the September 16, 2020 agenda.

**Designated Review Protocols:**

2015-1354	2020-3492	2020-3595	2020-3612	2020-3624
2020-3477	2020-3552	2020-3608	2020-3616	2020-3627

**Annual Reviews:**

2012-1005	2015-2242	2018-3032	2019-3243	2019-3302
2012-1020	2015-2244	2018-3040	2019-3246	2019-3304
2012-1027	2016-2480	2018-3066	2019-3259	2019-3308
2012-1045	2016-2509	2018-3076	2019-3278	2019-3321
2012-1053	2016-2548	2018-3079	2019-3286	2019-3325
2012-1054	2018-2945	2019-3149	2019-3287	2019-3326
2015-2211	2018-3027	2019-3183	2019-3293	2019-3350

**Amendments – Minor and Designated Reviews:**

00768M2004	2015-2211 (2)	2018-2901	2018-3138	2019-3301	2019-3438 (2)	2020-3569
2006-0030	2016-2437	2018-2914	2019-3145	2019-3321	2020-3455	2020-3596
2007-0147	2017-2677	2018-2945	2019-3156	2019-3325	2020-3483	2020-3624
2011-0885	2017-2729	2018-3005	2019-3159	2019-3342	2020-3492	
2012-0971	2017-2764	2018-3023	2019-3227 (2)	2019-3371	2020-3493	
2012-1005 (2)	2017-2830	2018-3025	2019-3238	2019-3380	2020-3500	
2012-1027	2017-2835	2018-3066	2019-3252	2019-3384	2020-3537	
2012-1054	2017-2837	2018-3105	2019-3256	2019-3391	2020-3542	
2015-1370	2017-2838	2018-3115	2019-3268	2019-3413	2020-3550	
2015-2050	2018-2864	2018-3132	2019-3293	2019-3423	2020-3558	

**Voting Members:** [15, 10, N (for 14), 18, 5, 9, K (for 6), A (for 13), 17, 8, 12, F (for 16), IACUC Chair, 7, 1 and AV ]; Alternate Nonvoting: [C, I, M, O, E, and Q]; IACUC support staff and EH&S representative.

[15] made a motion to adjourn the meeting. [10] seconded the motion. The meeting was adjourned at 2:36 pm.

## Semiannual Program Review Checklist <sup>i</sup>

### Institutional Policies and Responsibilities

<b>1. Animal Care and Use Program</b> <small>NEW</small>		<b>A*</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>NA</b>
• Responsibility for animal well-being is assumed by all members of the program ( <i>Guide, p 1</i> ) [must]	X					
• IO has authority to allocate needed resources ( <i>Guide, p 13</i> )	X					
• Resources necessary to manage program of veterinary care are provided ( <i>Guide, p 14</i> ) [must]	X					
• Sufficient resources are available to manage the program, including training of personnel in accord with regulations and the <i>Guide</i> ( <i>Guide, pp 11, 15</i> )	X					
• Program needs are regularly communicated to IO by AV and/or IACUC ( <i>Guide, p 13</i> )	X					
• Responsibilities for daily animal care and facility management are assigned to specific individual(s) when a full-time veterinarian is not available on site ( <i>Guide, p 14</i> ) [must]						X
• Inter-institutional collaborations are described in formal written agreements ( <i>Guide, p 15</i> )	X					
• Written agreements address responsibilities, animal ownership, and IACUC oversight ( <i>Guide, p 15</i> )	X					
<b>2. Veterinary Care</b> (See also next section - Veterinary Care) 9-16-2020	A*	M	S	C	NA	
• An arrangement for veterinarian(s) with training or experience in lab animal medicine is in place including backup veterinary care	X					
• Veterinary access to all animals is provided ( <i>Guide, p 14</i> ) [must]	X					
• Direct or delegated authority is given to the veterinarian to oversee all aspects of animal care and use ( <i>Guide, p 14</i> ) [must]	X					
• Veterinarian provides consultation when pain and distress exceeds anticipated level in protocol ( <i>Guide, p 5</i> ) [must]	X					
• Veterinarian provides consultation when interventional control is not possible ( <i>Guide, p 5</i> ) [must]	X					
• If part time /consulting veterinarian, visits meet programmatic needs ( <i>Guide, p 14</i> )						X
• Regular communication occurs between veterinarian and IACUC ( <i>Guide, p 14</i> )	X					
• Veterinarian(s) have experience and training in species used ( <i>Guide, p 15</i> ) [must]	X					
• Veterinarian(s) have experience in facility administration/management ( <i>Guide, p 15</i> )	X					

### Veterinary Care

<b>1. Clinical Care and Management</b> <small>NEW</small>		<b>A*</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>NA</b>
• Veterinary program offers high quality of care and ethical standards ( <i>Guide, p 105</i> ) [must]	X					
• Veterinarian provides guidance to all personnel to ensure appropriate husbandry, handling, treatment, anesthesia, analgesia, and euthanasia ( <i>Guide, p 106</i> )	X					
• Veterinarian provides oversight to surgery and perioperative care ( <i>Guide, p 106</i> )	X					
• Veterinary care program is appropriate for program requirements ( <i>Guide, pp 113-114</i> )	X					
• Veterinarian(s) is familiar with species and use of animals and has access to medical and experimental treatment records ( <i>Guide, p 114</i> )	X					
• Procedures to triage and prioritize incident reports are in place ( <i>Guide, p 114</i> )	X					
• Procedures are in place to address:						
o Problems with experiments to determine course of treatment in consultation with investigator ( <i>Guide, p 114</i> )	X					

o Recurrent or significant health problems with the IACUC and documentation of treatments and outcomes ( <i>Guide, p 114</i> )	X				
o Veterinary review and oversight of medical and animal use records ( <i>Guide, p 115</i> )	X				
• Procedures established for timely reporting of animal injury, illness, or disease ( <i>Guide, p 114</i> ) [must]	X				
• Procedures established for veterinary assessment, treatment, or euthanasia ( <i>Guide, p 114</i> ) [must]	X				
• Veterinarian is authorized to treat, relieve pain, and/or euthanize ( <i>Guide, p 114</i> ) [must]	X				

**2. Animal Procurement and Transportation/Preventive Medicine****A\* M S C NA**

• Procedures for lawful animal procurement are in place ( <i>Guide, p 106</i> ) [must]	X				
• Sufficient facilities and expertise are confirmed prior to procurement ( <i>Guide, p 106</i> )	X				
• Procurement is linked to IACUC review and approval ( <i>Guide, p 106</i> )	X				
• Random source dogs and cats are inspected for identification ( <i>Guide, p 106</i> )					X
• Population status of wildlife species is considered prior to procurement ( <i>Guide, p 106</i> )	X				
• Appropriate records are maintained on animal acquisition ( <i>Guide, p 106</i> )	X				
• Animal vendors are evaluated to meet program needs and quality ( <i>Guide, p 106</i> )	X				
• Breeding colonies are based on need and managed to minimize numbers ( <i>Guide, p 107</i> )	X				
• Procedures for compliance with animal transportation regulations, including international requirements, are in place ( <i>Guide, p 107</i> ) [must]	X				
• Transportation is planned to ensure safety, security and minimize risk ( <i>Guide, p 107</i> )	X				
• Movement of animals is planned to minimize transit time and deliveries are planned to ensure receiving personnel are available ( <i>Guide, pp 107-108</i> )	X				
• Appropriate loading and unloading facilities are available ( <i>Guide, p 109</i> )	X				
• Environment at receiving site is appropriate ( <i>Guide, p 109</i> )	X				
• Policies in place on separation by species, source, and health status ( <i>Guide, pp 109, 111-112</i> )	X				
• Procedures in place for quarantine to include zoonoses prevention ( <i>Guide, p 110</i> )	X				
• Quarantined animals from different shipments are handled separately or physically separated ( <i>Guide, p 110</i> )	X				
• Procedures in place for stabilization/acclimation ( <i>Guide, pp 110-111</i> )	X				
• Policies in place for isolation of sick animals ( <i>Guide, p 112</i> )	X				
• Program is in place for surveillance, diagnosis, treatment and control of disease to include daily observation ( <i>Guide, p 112</i> )	X				
• Diagnostic resources are available for preventive health program ( <i>Guide, p 112</i> )	X				

**3. Surgery****A\* M S C NA**

• Surgical outcomes are assessed and corrective changes instituted ( <i>Guide, p 115</i> )	X				
• Researchers have appropriate training to ensure good technique ( <i>Guide, p 115</i> ) [must]	X				
• Pre-surgical plans are developed and include veterinary input (e.g., location, supplies, anesthetic and analgesic use, peri-operative care, recordkeeping) ( <i>Guide, p 116</i> )	X				
• Aseptic surgery is conducted in dedicated facilities or spaces, unless exception justified and IACUC approved ( <i>Guide, p 116</i> )	X				
• Surgical procedures including laparoscopic procedures are categorized as major or minor ( <i>Guide, pp 117-118</i> )	X				
• For nonsurvival surgery, the site is clipped, gloves are worn and instruments and area are clean ( <i>Guide, p 118</i> )	X				
• Aseptic technique is followed for survival surgical procedures ( <i>Guide, pp 118-119</i> )	X				
• Effective procedures for sterilizing instruments and monitoring expiration dates on sterile packs are in place ( <i>Guide, p 119</i> )	X				
• Procedures for monitoring surgical anesthesia and analgesia are in place ( <i>Guide, p 119</i> )	X				



• For aquatic species, skin surfaces are kept moist during surgical procedures ( <i>Guide</i> , <a href="#">p 119</a> )	X				
• Post-operative monitoring and care are provided by trained personnel and documented (e.g., thermoregulation, physiologic function, analgesia, infection, removal of skin closures) ( <i>Guide</i> , <a href="#">pp 119-120</a> )	X				

**4. Pain, Distress, Anesthesia and Analgesia****A\* M S C NA**

• Guidelines for assessment and categorization of pain, distress and animal wellbeing are provided during training ( <i>Guide</i> , <a href="#">p 121</a> )	X				
• Selection of analgesics and anesthetics is based on professional veterinary judgment ( <i>Guide</i> , <a href="#">p 121</a> )	X				
• Painful procedures are monitored to ensure appropriate analgesic management ( <i>Guide</i> , <a href="#">p 122</a> )	X				
• Nonpharmacologic control of pain is considered as an element of postprocedural care ( <i>Guide</i> , <a href="#">p 122</a> )	X				
• Procedures are in place to assure antinociception before surgery begins ( <i>Guide</i> , <a href="#">p 122</a> ) [must]	X				
• Guidelines for selection and use of analgesics and anesthetics are in place and regularly reviewed and updated ( <i>Guide</i> , <a href="#">p 122</a> )	X				
• Special precautions for the use of paralytics are in place to ensure anesthesia <sup>iii</sup> ( <i>Guide</i> , <a href="#">p 123</a> )	X				

**5. Euthanasia****A\* M S C NA**

• Methods are consistent with AVMA Guidelines on Euthanasia unless approved by the IACUC ( <i>Guide</i> , <a href="#">p 123</a> )	X				
• Standardized methods are developed and approved by the veterinarian and IACUC that avoid distress and consider animal age and species ( <i>Guide</i> , <a href="#">pp 123-124</a> )	X				
• Training is provided on appropriate methods for each species and considers psychological stress to personnel ( <i>Guide</i> , <a href="#">p 124</a> )	X				
• Procedures and training are in place to ensure death is confirmed ( <i>Guide</i> , <a href="#">p 124</a> ) [must]	X				

**6. Drug Storage and Control** NEW**A\* M S C NA**

• Program complies with federal regulations for human and veterinary drugs ( <i>Guide</i> , <a href="#">p 115</a> ) [must]	X				
• Drug records and storage procedures are reviewed during facility inspections ( <i>Guide</i> , <a href="#">p 115</a> )	X				
• Procedures are in place to ensure analgesics and anesthetics are used within expiration date ( <i>Guide</i> , <a href="#">p 122</a> ) [must]	X				
• Anesthetics and analgesics are acquired, stored, and their use and disposal are recorded legally and safely ( <i>Guide</i> , <a href="#">p 122</a> )	X				

\* **A** = acceptable**M** = minor deficiency**S** = significant deficiency (is or may be a threat to animal health or safety)**C** = change in program (PHS Policy [IV.A.1.a.-i.](#)) (include in semiannual report to IO and in annual report to OLAW)**NA** = not applicable

<sup>i</sup> The PHS Policy requires that Assured institutions comply with the regulations (9 CFR, Subchapter A) issued by the U.S. Department of Agriculture (USDA) under the Animal Welfare Act, as applicable. The endnotes below are specific USDA regulatory requirements that differ from or are in addition to the PHS Policy. This list is not intended to be all inclusive. For additional information please refer to 9 CFR Subchapter A - Animal Welfare.

ii 2.33(a)(1) - “In the case of a part-time attending veterinarian or consultant arrangements, the formal arrangements shall include a written program of veterinary care and regularly scheduled visits to the research facility.” [USDA requirement additional]

iii 2.31(d)(iv)(C) - “Procedures that may cause more than momentary or slight pain or distress to the animals will...not include the use of paralytics without anesthesia.”



**INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE  
MEETING MINUTES  
October 21, 2020**

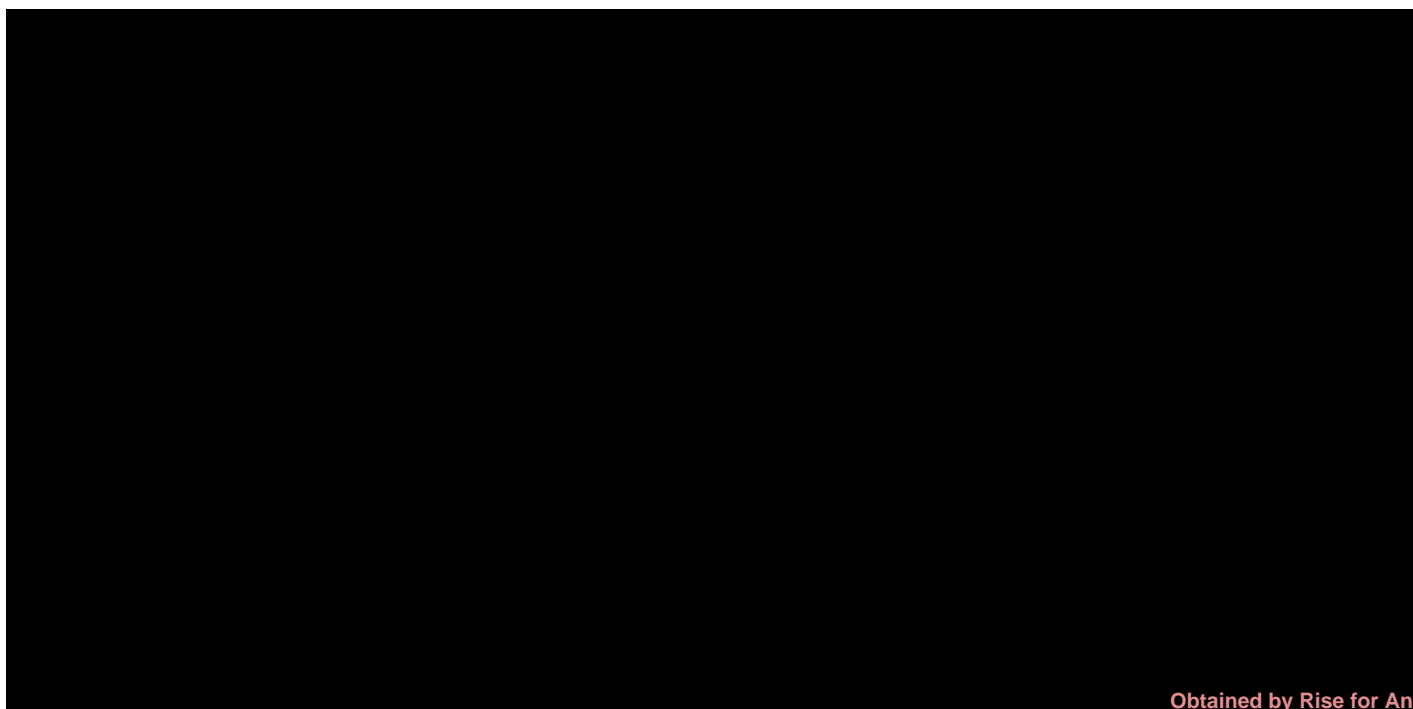
The Institutional Animal Care and Use Committee virtually met on October 21, 2020. The [IACUC Chair] called the meeting to order at 1:08 pm. Sixteen members were present, fulfilling the quorum requirement of ten of 18 voting members in attendance.

**ANNOUNCEMENTS Part I:**

OAV staff briefly went through etiquette on video conferencing. The “raise your hand” feature was explained to show members how to alert the Chair they had questions during a presentation. Alternate members who were voting at the meeting had been previously announced.

[IACUC Chair] indicated for the remaining portion of the meeting that protocol discussions would be considered in closed session and would be reflected as such in the minutes. Voting immediately followed each protocol discussion and is reflected in the minutes as open session. Noncompliance discussions were considered to be held in closed session and are reflected in the minutes as such. Voting occurred immediately after each discussion. Voting to suspend a protocol would be held in open session, but all other sanctions and/or recommendations to the IO would be considered to be held in closed session and be reflected as such in the minutes. Business portions of the agenda were held in open session.

Closed Session Minutes: 1:11 pm













**Open Session:** 3:57 pm

**ANNOUNCEMENTS Part II:**

OAV staff announced Doodle Polls were coming for upcoming facility inspections.

Members were thanked for their help with site inspections [H, 5, 9, K, A, O, IACUC Chair, 7. AV, and Q]

[15] was named IACUC member of the month.

**NEW BUSINESS:**

There was no new business to discuss. Sections of the program review originally slated for this meeting were moved to the November meeting.



## **OLD BUSINESS:**

**Minutes:** August 19, 2020 minutes and corrections to the April 15, 2020 & June 18, 2020 minutes concerning the pending follow-ups. OAV staff quickly explained the corrections.

[7] made a motion to accept the August minutes and the amended April & June minutes. [10] seconded the motion. The motion passed unanimously.

The outstanding deficiencies list was circulated to the members before the meeting.

There were no updates for the CPR program, the Subcommittees for Training, for Food Restriction/Fasting Requiring Full Committee Review, or the Administrative Burden Reduction Committee.

## **Protocol Voting:**

Protocol 2018-3023: [7] made a motion to suspend the protocol. [K] seconded the motion. The motion passed as follows: For 16; Against 0.

In accordance with the PHS Assurance and requirements set forth in 9 Code of Federal Regulations (CFR) and institutional policy, the following Designated Review Protocols, Annual Reviews and Amendments have been reviewed and approved by a designated member of the IACUC. The Full Committee was informed of the Designated Review Protocols, Annual Reviews and Amendments as noted on the October 21, 2020 agenda.

## **Designated Review Protocols:**

2016-2512	2020-3620	2020-3638
2017-2712	2020-3629	2020-3641
2017-2803	2020-3630	2020-3646
2019-3601	2020-3634	2020-3648
2020-3535	2020-3636	

## **Annual Reviews:**

644M2003	2015-2221	2018-3038	2019-3272	2019-3317
653M2003	2016-2385	2018-3081	2019-3277	2019-3327
2012-0999	2016-2510	2018-3082	2019-3289	2019-3334
2012-1046	2016-2521	2019-3150	2019-3292	2019-3337
2015-2182	2018-3011	2019-3174	2019-3300	2019-3357
2015-2183	2018-3023	2019-3198	2019-3303	

## **Amendments – Minor and Designated Reviews:**

1029L2006	2016-2306	2018-3066 (2)	2019-3246	2019-3419
2006-0041	2016-2498	2018-3076	2019-3272	2019-3423
2009-0463	2016-2508	2018-3082	2019-3276	2020-3438

2009-0472	2016-2521	2018-3115 (2)	2019-3277	2020-3446
2009-0491	2016-2525	2018-3116	2019-3287	2020-3476
2009-0502	2016-2569	2019-3145	2019-3293	2020-3493
2009-0541	2017-2674 (2)	2019-3156	2019-3304	2020-3512
2010-0615	2017-2677	2019-3168	2019-3327	2020-3531
2011-0841	2017-2742	2019-3170	2019-3333	2020-3535 (2)
2012-0971	2017-2822	2019-3196	2019-3337	2020-3537
2012-1019	2018-2849	2019-3198	2019-3346 (2)	2020-3564
2012-1033	2018-2875	2019-3199	2019-3374	2020-3578
2015-2216	2018-2901	2019-3223	2019-3379	2020-3612
2015-2242	2018-2912	2019-3230	2019-3384 (2)	
2015-2244	2018-2967	2019-3233 (2)	2019-3399	
2015-2290	2018-2968	2019-3235	2019-3406	
2015-3076	2018-3032	2019-3241	2019-3414	

### Voting Members:

[10, N (for 15), I (for 16), 18, 5, 9, K (for IACUC Chair – once he left the meeting) , A (for 11), 7, 14, 8, F (for 6), 12, IACUC Chair, 1, AV and 13]; Alternate Nonvoting: [M, D, E and Q]; IACUC and IBC/EHS staff.

[7] made a motion to adjourn the meeting. [AV] seconded the motion. The meeting was adjourned at 4:02 pm.



**INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE  
MEETING MINUTES  
November 11, 2020**

The Institutional Animal Care and Use Committee virtually met on November 11, 2020. [IACUC Chair] called the meeting to order at 1:03 pm. Sixteen members were present, fulfilling the quorum requirement of ten of eighteen voting members in attendance.

**ANNOUNCEMENTS:**

OAV staff briefly went through etiquette on video conferencing and announced the number of voting members present including alternate members who were voting.

Members were thanked for their help with site inspections [15, H, I, 18(2), 5, M (3), A, O, D (3), 12, E (2), AV, Q (2) and 13]

[M, D, E, and 18] were named IACUC members of the month for their assistance with the AAALAC Site Visit.

OAV staff reminded members to let us know if they will be out during the holidays or on vacation.

Open Session: 1:06 pm

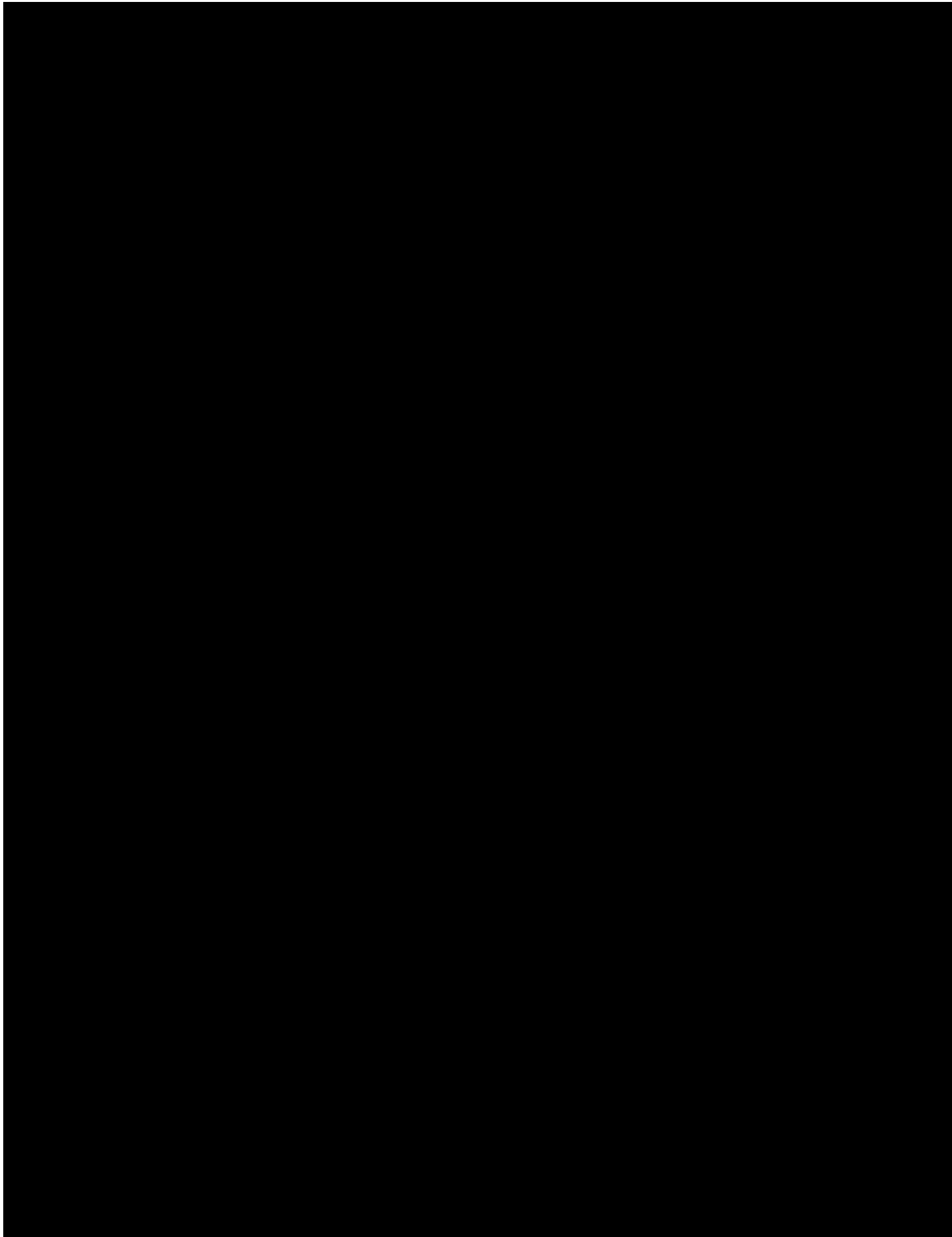
**NEW BUSINESS:**

**Semiannual Report:** [Q] presented the following sections of the Semiannual Program Review: *Disaster Planning and Emergency Preparedness, Personnel Qualifications & Training, Personnel Security, and Investigating & Reporting Animal Welfare Concerns*. Results are included at the end of the minutes.

The committee had no questions or comments.

[IACUC Chair] indicated for the remaining portion of the meeting that protocol discussions would be considered in closed session and would be reflected as such in the minutes. Voting immediately followed each protocol discussion and is reflected in the minutes as open session. Noncompliance discussions were considered to be held in closed session and are reflected in the minutes as such. Voting occurred immediately after each discussion. Voting to suspend a protocol would be held in open session, but all other sanctions and/or recommendations to the IO would be considered to be held in closed session and be reflected as such in the minutes. Business portions of the agenda were held in open session.

Closed Session: 1:10 pm







Open Session: 2:02 pm

**OLD BUSINESS:**

**Minutes:** The September 16, 2020 and October 21, 2020 meeting minutes will be presented at the December 9, 2020 meeting.

The outstanding deficiencies list was circulated to the members before the meeting.

There were no updates for the CPR program, the Subcommittees for Training, for Food Restriction/Fasting Requiring Full Committee Review, or the Administrative Burden Reduction Committee.

In accordance with the PHS Assurance and requirements set forth in 9 Code of Federal Regulations (CFR) and institutional policy, the following Designated Review Protocols, Annual Reviews and Amendments have been reviewed and approved by a designated member of the IACUC. The Full Committee was informed of the Designated Review Protocols, Annual Reviews and Amendments as noted on the November 11, 2020 agenda.

#### **Designated Review Protocols:**

2017-2754	2020-3622	2020-3639	2020-3649
2020-3609	2020-3635	2020-3642	2020-3653
2020-3617	2020-3637	2020-3647	2020-3660

#### **Annual Reviews:**

2010-0615	2018-3118	2019-3320	2019-3338	2019-3362	2019-3373
2012-1052	2019-3263	2019-3330	2019-3342	2019-3364	2019-3377
2018-3073	2019-3318	2019-3333	2019-3353	2019-3370	

#### **Amendments – Minor and Designated Reviews:**

2007-0147	2015-2078	2017-2792	2019-3272	2019-3364	2020-3471
2010-0615	2015-2242	2018-2912	2019-3317	2019-3373	2020-3474
2011-0889	2015-2244	2018-2958	2019-3320	2019-3379	2020-3547
2012-1033	2015-2290	2018-3027	2019-3322	2019-3419	2020-3566
2012-1046	2017-2664	2019-3170	2019-3333	2020-3432	2020-3647
2015-1370	2017-2729	2019-3186	2019-3341	2020-3438	

**Voting Members:** [15, 10, N (for 11), I (for IACUC Chair) 18, 5, 9, K (for 14), A (for 16), 8, F (for 12), 6, IACUC Chair, 7, 1 Q (for AV) and 13]; Alternate Nonvoting: [C, M, O, D, and E,; IACUC support staff and EH&S representative.

[1] made a motion to adjourn the meeting. [13] seconded the motion. The meeting was adjourned at 2:05 pm.

**I. Semiannual Program Review Checklist<sup>i</sup>****Institutional Policies and Responsibilities**

<b>1. Disaster Planning and Emergency Preparedness <sup>NEW</sup> 11-11-2020</b>	<b>A*</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>NA</b>
• Disaster plans for each facility to include satellite locations are in place ( <i>Guide, p 35, p 75</i> ) [must]	X				
• Plans include provisions for euthanasia ( <i>Guide, p 35</i> ) [must]	X				
• Plans include triage plans to meet institutional and investigators' needs ( <i>Guide, p 35</i> )	X				
• Plans define actions to prevent animal injury or death due to HVAC or other failures ( <i>Guide, p 35</i> )	X				
• Plans describe preservation of critical or irreplaceable animals ( <i>Guide, p 35</i> )	X				
• Plans include essential personnel and their training ( <i>Guide, p 35</i> )	X				
• Animal facility plans are approved by the institution and incorporated into overall response plan ( <i>Guide, p 35</i> )	X				
• Law enforcement and emergency personnel are provided a copy and integration with overall plan is in place ( <i>Guide, p 35</i> )	X				
<b>2. Personnel Qualifications and Training 11-11-2020</b>	<b>A*</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>NA</b>
• All personnel are adequately educated, trained, and/or qualified in basic principles of laboratory animal science. Personnel included: [must]					
o Veterinary/other professional staff ( <i>Guide, p 15-16</i> )	X				
o IACUC members ( <i>Guide, p 17</i> )	X				
o Animal care personnel ( <i>Guide, p 16</i> )	X				
o Research investigators, instructors, technicians, trainees, and students ( <i>Guide, pp 16-17</i> )	X				
• Continuing education for program and research staff provided to ensure high quality care and reinforce training ( <i>Guide, pp 16-17</i> )	X				
• Training is available prior to starting animal activity ( <i>Guide, p 17</i> )	X				
• Training is documented ( <i>Guide, p 15</i> )	X				
• Training program content includes: ( <i>Guide, p 17</i> )					
o Methods for reporting concerns ( <i>Guide, p 17</i> )	X				
o Humane practices of animal care (e.g., housing, husbandry, handling) <sup>ii</sup>	X				



○ Humane practices of animal use (e.g., research procedures, use of anesthesia, pre- and post-operative care, aseptic surgical techniques and euthanasia ( <i>Guide</i> , <a href="#">p 17</a> ) <sup>iii</sup>	X				
○ Research/testing methods that minimize numbers necessary to obtain valid results (PHS Policy, <a href="#">IV.A.1.g.</a> )	X				
○ Research/testing methods that minimize animal pain or distress (PHS Policy, <a href="#">IV.A.1.g.</a> )	X				
○ Use of hazardous agents, including access to OSHA chemical hazard notices where applicable ( <i>Guide</i> , <a href="#">p 20</a> )	X				
○ Animal care and use legislation ( <i>Guide</i> , <a href="#">p 17</a> )	X				
○ IACUC function ( <i>Guide</i> , <a href="#">p 17</a> )	X				
○ Ethics of animal use and Three R's ( <i>Guide</i> , <a href="#">p 17</a> )	X				
<b>3. Personnel Security</b> <b>NEW</b> 11-11-2020	A*	M	S	C	NA
• Preventive measures in place include pre-employment screening, and physical and IT security ( <i>Guide</i> , <a href="#">p 23</a> )	X				
<b>4. Investigating &amp; Reporting Animal Welfare Concerns</b> <b>NEW</b> 11-11-2020	A*	M	S	C	NA
• Methods for investigating and reporting animal welfare concerns are established ( <i>Guide</i> , <a href="#">p 23</a> ) [must]	X				
• Reported concerns and corrective actions are documented ( <i>Guide</i> , <a href="#">p 24</a> )	X				
• Mechanisms for reporting concerns are posted in facility and at applicable website with instructions ( <i>Guide</i> , <a href="#">p 24</a> )	X				
○ Includes multiple contacts ( <i>Guide</i> , <a href="#">p 24</a> )	X				
○ Includes anonymity, whistle blower policy, nondiscrimination and reprisal protection ( <i>Guide</i> , <a href="#">p 24</a> )	X				

<sup>i</sup> The PHS Policy requires that Assured institutions comply with the regulations (9 CFR, Subchapter A) issued by the U.S. Department of Agriculture (USDA) under the Animal Welfare Act, as applicable. The endnotes below are specific USDA regulatory requirements that differ from or are in addition to the PHS Policy. This list is not intended to be all inclusive. For additional information please refer to 9 CFR Subchapter A - Animal Welfare.

<sup>ii</sup> 2.32(c) - "Humane methods of animal maintenance and experimentation, including the basic needs of each species, proper handling and care for the various species of animals used by the facility, proper pre-procedural and post-procedural care of animals, and aseptic surgical methods and procedures."

<sup>iii</sup> 2.32(c) - additional specifications include:

- "proper use of anesthetics, analgesics, and tranquilizers for any species of animals used by the facility"
- "methods whereby deficiencies in animal care and treatment are reported, including deficiencies in animal care and treatment reported by any employee of the facility..."
- "utilization of services (e.g., National Agricultural Library, National Library of Medicine) to provide information on appropriate animal care and use, alternatives to the use of live animals in research, that could prevent unintended and unnecessary duplication of research involving animals, and regarding the intent and requirements of the Act." [USDA training specifications are more detailed than PHS Policy].



**INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE  
MEETING MINUTES  
December 9, 2020**

The Institutional Animal Care and Use Committee virtually met on December 9, 2020. The [IACUC Chair] called the meeting to order at 1:02 pm. Eighteen members were present, fulfilling the quorum requirement of ten of 18 voting members in attendance.

**ANNOUNCEMENTS Part I:**

OAV staff briefly went through etiquette on video conferencing. Alternate members who were voting at the meeting were announced.

Members were thanked for helping to complete site inspections: [15], [18], [5], [9] for two, [11], [A], [14], [O] for two, [IACUC Chair], [7], [Q], and [AV] for two.

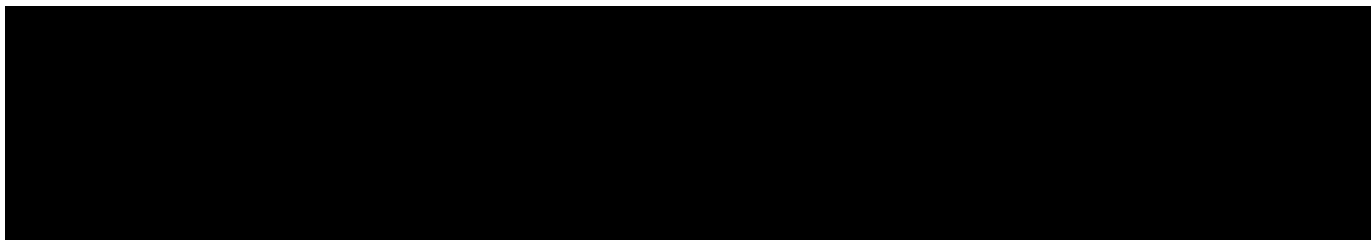
Three members of the month were announced for December. This following group has gone above and beyond in helping a PI meet the expectations of the committee to get his research program back up and running: [11], [AV], and [D]. All 3 have either met with the PI or assisted with reworking SOPs and forms.

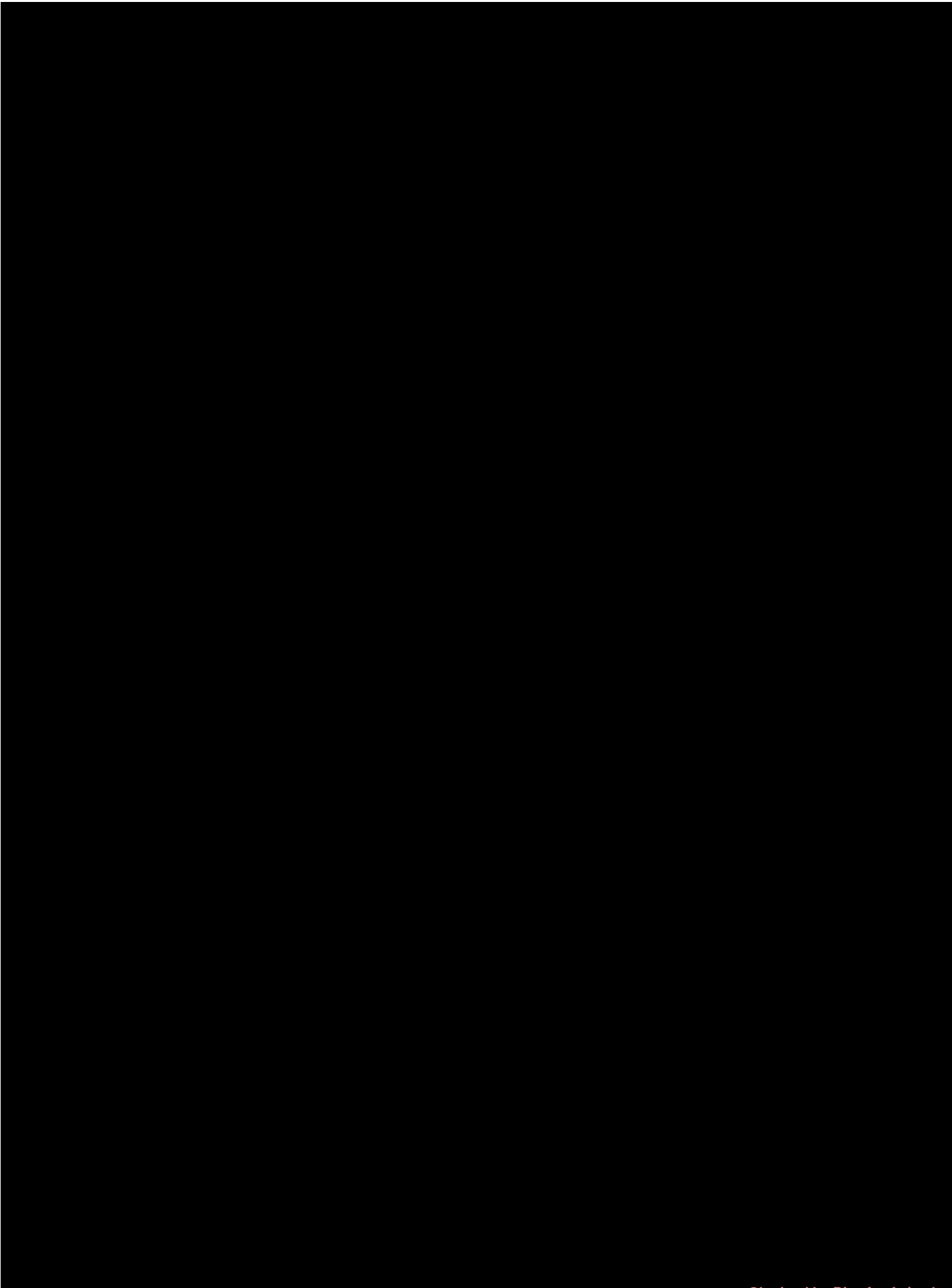
Members were reminded if they were going to be on vacation to please let the OAV staff know so they can plan accordingly.

[Q] introduced the new community member.

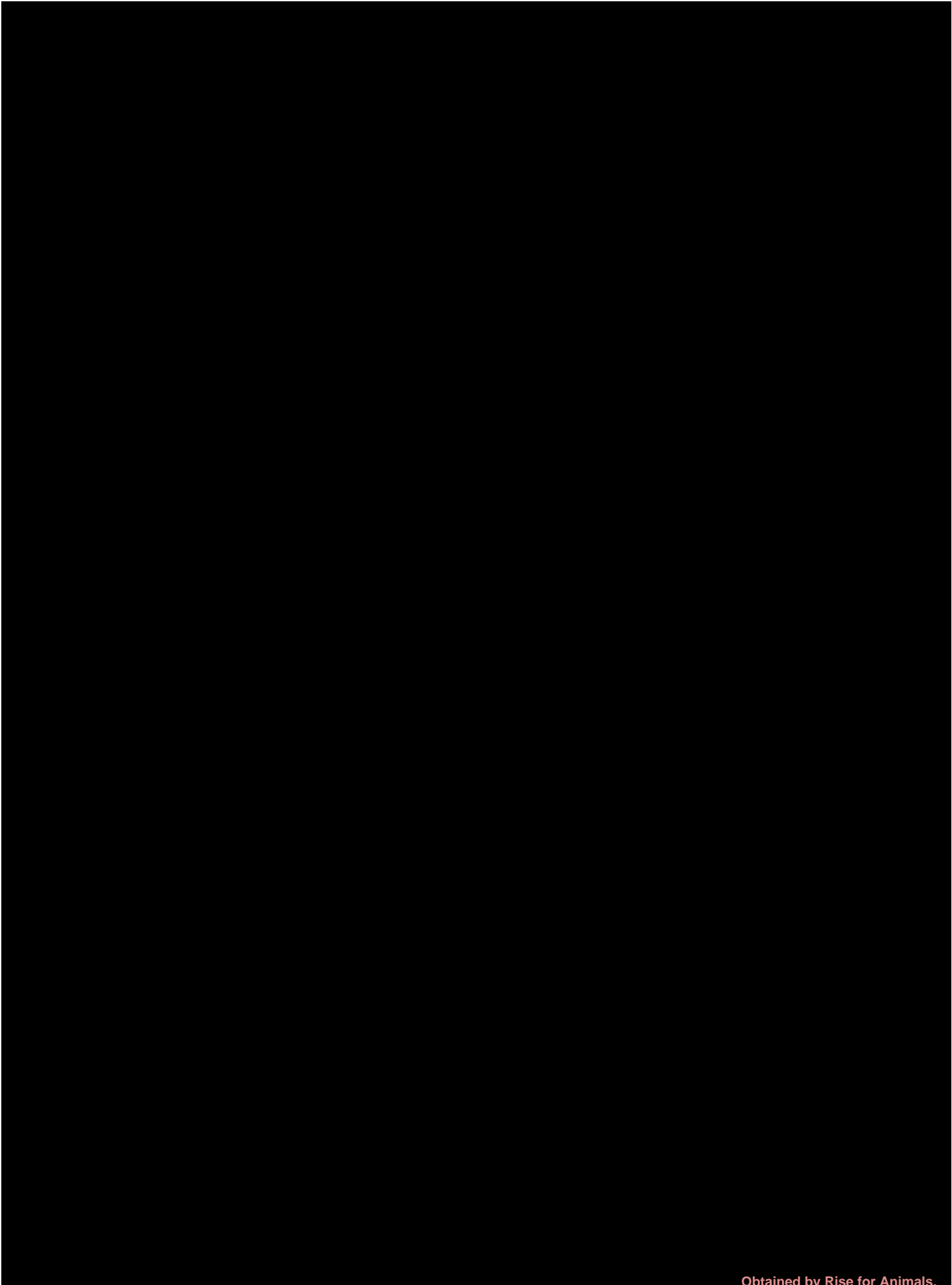
[IACUC Chair] indicated for the remaining portion of the meeting that protocol discussions would be considered in closed session and would be reflected as such in the minutes. Voting immediately followed each protocol discussion and is reflected in the minutes as open session. Noncompliance discussions were considered to be held in closed session and are reflected in the minutes as such. Voting occurred immediately after each discussion. Voting to suspend a protocol would be held in open session, but all other sanctions and/or recommendations to the IO would be considered to be held in closed session and be reflected as such in the minutes. Business portions of the agenda were held in open session.

Closed Session Minutes: 1:07 pm









**Open Session:** 1:40 pm

**NEW BUSINESS:**

[AV] presented a new policy on rodent tumors, Document 136. Members received the draft before the meeting. Discussion centered around the diameter size described in the policy. It was noted this was standard language in the research community and performance standards such as tumor necrosis/ulceration, body condition and animal ambulation would also be applied. [E] informed the committee most researchers typically euthanize animals before they reach the diameter size described; most tumors over the size limits were due to lack of proper monitoring. [D] indicated the diameter numbers had been pulled from working groups who had done studies and were used by NCI. After more discussion the statement “Exceptions to tumor size must be approved by the IACUC” was added to the document.

[15] made a motion to accept the new policy with the revision. [7] seconded the motion. The motion passed as follows: For: 18; Against: 0.

[Q] presented the following section of the Semiannual Program Review: *Occupational Health and Safety of Personnel*. No members had questions or concerns. Results are included at the end of the minutes.

**OLD BUSINESS:**

**Minutes:** A motion was made by [15] and seconded by [13] to approve the September 16, 2020 and October 21, 2020 minutes as presented. The motion passed as follows: For: 18; Against: 0.

The outstanding deficiencies list was circulated to the members before the meeting.

There were no updates for the CPR program or the following subcommittees: Subcommittee for Training, for Food Restriction/Fasting Requiring Full Committee Review, or the Administrative Burden Reduction Committee.

[7] gave an update on the large animal surgery course for the AALAS Learning Library. To replace an obsolete training offered to those performing large animal surgery, [C], [AV], [Q], [7] and OAV staff have been working internally and with AALAS to develop a course. The initial draft of the course has been reviewed and development continues with the hope that it will be available online by early/mid-2021.

In accordance with the PHS Assurance and requirements set forth in 9 Code of Federal Regulations (CFR) and institutional policy, the following Designated Review Protocols, Annual Reviews and Amendments have been reviewed and approved by a designated member of the IACUC. The Full Committee was informed of the Designated Review Protocols, Annual Reviews and Amendments as noted on the December 9, 2020 agenda.

#### **Designated Review Protocols:**

2017-2834	2020-3668	2020-3686
2017-2822	2020-3673	2020-3695
2020-3644	2020-3676	2020-3697
2020-3665	2020-3682	

#### **Annual Reviews:**

768M2004	2018-3106	2019-3365	2019-3388
2015-2216	2018-3115	2019-3366	2019-3395
2016-2508	2019-3285	2019-3371	2019-3396
2018-3054	2019-3322	2019-3374	2019-3399
2018-3084	2019-3341	2019-3379	2019-3400
2018-3105	2019-3348	2019-3382	

#### **Amendments – Minor and Designated Reviews:**

2007-0147	2017-2813	2018-3106	2019-3259	2020-3455 (2)
2009-0604	2017-2972	2018-3132 (2)	2019-3301	2020-3512
2012-0971	2018-2856	2019-3145	2019-3366	2020-3531
2012-1033	2018-2878	2019-3226	2019-3370	2020-3549
2013-1109	2018-2947	2019-3233	2019-3382	2020-3561
2015-2050	2018-2958	2019-3235 (2)	2019-3384	2020-3596
2015-2183	2018-3005 (2)	2019-3236	2019-3388	2020-3601
2015-2290	2018-3038	2019-3241	2019-3390	2020-3634
2015-2293	2018-3054*	2019-3252	2019-3419	2020-3639
2016-2508	2018-3066	2019-3254	2020-3426	2020-3647

**\*missed last month's agenda**

**Voting Members:**

[15, N (for 10), I (for IACUC Chair during COI only), 18, 5, 9, K (for 8) , 11, 17, 14, F (for 16), 12, 6, IACUC Chair, 7, 1, AV, 4 and 13]; Alternate Nonvoting: [C, I, M, A, O, D, E and Q]; IACUC staff, IBC/EHS staff, and USDA-ARS visitor.

[15] made a motion to adjourn the meeting. [13] seconded the motion. The meeting was adjourned at 2 pm.