

Minutes
Institutional Animal Care and Use Committee
January 23, 2020

3:00 pm

Voting Members Present

[REDACTED]

Affiliated Participants

[REDACTED]

Visitors

[REDACTED]

The meeting was called to order at 3:01 pm, and a quorum was confirmed. Introductions were made.

The Chair presented the December 19, 2019, minutes. A motion was made and seconded to approve the minutes as presented.

Total Vote: 7 Approved: 7 Opposed: 0 Abstained: 0 Recused: 0

The Chair called for a conflict of interest. There were no conflicts of interest reported.

The Chair reminded the membership of the IACUC protocol review criteria.

[REDACTED] entered the meeting at 3:05 pm. [REDACTED] entered the meeting at 3:08 pm.

Protocols for Committee Review

20-1761R

Treatment of Inflammatory Vasculitis, Transplant Rejection and other Inflammatory Diseases with Virus-derived Anti-Inflammatory Proteins and Peptides

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee.

After discussion, the following changes were requested:

1. Planned Use of Animals: Add prednisone as a positive control.
2. Clarify that personnel are performing oral gavage under supervision

A harm/benefit analysis of the protocol was performed, as required, and it was determined to be scientifically justified. The committee reviewed the accompanying checklist for a husbandry deviation from the *Guide*. A motion was made and seconded to appoint the Chair as the Designated Reviewer of the revised version to confirm that it addresses the revisions discussed by the committee.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

Consent Items

The Chair presented the consent items listing (1) activities approved administratively or by designated review and (2) annual and final reviews. The committee acknowledged the consent items.

Annual Reviews with Exceptions to the Guide

The Chair presented the exceptions for the following protocols:

- [REDACTED] 19-1688R for a husbandry deviation from the *Guide*;
- [REDACTED] 19-1692R for a husbandry deviation from the *Guide*;
- [REDACTED] 19-1696R for food/water restriction, prolonged restraint, and unalleviated pain/distress;
- [REDACTED] 19-1698R for a husbandry deviation from the *Guide*.

The committee discussed and confirmed the previous approvals. There were no dissenting opinions.

Noncompliance

The Chair informed the committee that there was a noncompliance reported involving the [REDACTED] lab. The Chair will be meeting with the lab and will report back to the committee at the February 27, 2020 meeting.

Marmoset Update

The Chair informed the committee that one of the marmosets had received an injury, and after evaluation, it was determined that there was no clear way to treat the injury, and the animal was euthanized.

Inspections

The committee was informed that the originally scheduled inspection for the [REDACTED] and [REDACTED] [REDACTED] has to be rescheduled. The committee will be requested to provide their availability for this.

Education Items

The committee discussed the education items:

- Florida High School is First to Use Synthetic Frogs for Dissections
- Will Organ-on-a-chip Models be Viable Alternatives to Animal Testing

The meeting adjourned at 3:24 pm. The next meeting will be held Thursday, February 27, 2020 at 3:00 pm in the [REDACTED].

Minutes
Institutional Animal Care and Use Committee
February 27, 2020

3:00 pm

Voting Members Present

[REDACTED]

Affiliated Participants

[REDACTED]

Visitors

[REDACTED]

The meeting was called to order at 3:00 pm, and a quorum was confirmed. Introductions were made.

The Chair presented the January 23, 2020, minutes. A motion to approve the minutes as presented was made. The motion was seconded.

Total Vote: 7 Approved: 7 Opposed: 0 Abstained: 0 Recused: 0

The Chair called for a conflict of interest. [REDACTED] reported his conflict of interest with [REDACTED] 20-1768R.

The Chair reminded the membership of the IACUC protocol review criteria.

[REDACTED] entered the meeting at 3:04 pm.

Protocols for Committee Review

[REDACTED] 20-1766R

Cancer Vaccine and Immunotherapy

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were requested:

1. For experiment 3, the maximum number of doses will be six.
2. Clarify that animals are checked weekly before the tumor is palpable.
3. Page 13, Question C: Condense the number of animals for Experiment 1 because laboratory mice bred for research do not need to be broken out by pain category.

The committee also reviewed the accompanying checklist for a husbandry deviation from the *Guide*. A motion was made to appoint the Chair and the Primary Reviewer as Designated Reviewers of the revised version to confirm that it addresses the revisions discussed by the committee. The motion was seconded.

Total Vote: 8 Approved: 8 Opposed: 0 Abstained: 0 Recused: 0

20-1767R

Tunable DNA and RNA Nanostructures for Development of Cancer Immunotherapeutics

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 8 Approved: 8 Opposed: 0 Abstained: 0 Recused: 0

20-1769R

Study of Kinase Inhibitors for Cancer Therapy and Discovering Co-mutations of Mutant TP53 the Drive Breast Cancer Progression Using a Metastatic Xenograft Mouse Model

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: N/A

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were made:

1. Clarified that there will be single housing for breeding in accordance with the Mouse Breeding SIG.

The committee also reviewed the accompanying checklist for a husbandry deviation from the *Guide*. A motion was made to approve the protocol as modified. The motion was seconded.

Total Vote: 8 Approved: 8 Opposed: 0 Abstained: 0 Recused: 0

20-1770R

Mechanisms of Extreme Gut Physiology in the Snake Model

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 8 Approved: 8 Opposed: 0 Abstained: 0 Recused: 0

20-1768R

Mechanisms of Extreme Gut Physiology in the Snake Model

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. The committee also reviewed the accompanying checklist for food restriction. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 7 Approved: 7 Opposed: 0 Abstained: 0 Recused: 1

Request for Changes for Committee Review

18-1646R RFC 1

High Dimensional Biology to Understand the Functional Response of Salmonella to Long-term Multigenerational Growth in the Chronic Stress of Microgravity

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: N/A

An overview of the requested changes to the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were made:

1. Clarified that a 26-gauge needle is used, instead of a 23-gauge needle.
2. Clarified that a total volume of 20 ul is used for the intranasal infections of *P. aeruginosa*, *B. cepacia*, and *S. pneumoniae*.

After further discussion, the following changes were requested:

1. Update the literature search, as more than 60 days have passed since the search was initially performed.
2. Clarify if Table 2 is a complete list of symptoms that contribute to endpoints, or just provide a list of endpoints relevant to the requested changes.

A harm/benefit analysis of the requested changes to the protocol was preformed, as required, and it was determined to be scientifically justified. A motion was made to appoint the Chair as the Designated Reviewer of the revised version to confirm that it addresses the revisions discussed by the committee. The motion was seconded.

Total Vote: 8

Approved: 8

Opposed: 0

Abstained: 0

Recused: 0

Consent Items

The Chair presented the consent items listing (1) activities approved administratively or by designated review and (2) annual and final reviews. The committee acknowledged the consent items.

Annual Reviews with Exceptions to the Guide

The Chair presented the exceptions for the following protocols:

- [REDACTED] 19-1699R for a husbandry deviation from the *Guide*
- [REDACTED] 19-1707R to prolonged restraint
- [REDACTED] 19-1703R for a husbandry deviation from the *Guide*
- [REDACTED] 19-1695R for food/fluid restriction
- [REDACTED] 19-1705R for a husbandry deviation from the *Guide*

The committee discussed and confirmed the previous approvals. There were no dissenting opinions.

OHSP Clearance for [REDACTED] Personnel

The committee was informed that the IACUC protocol for the teaching lab at [REDACTED] was going to be adding a paid intern to help with the animal activities. ASU will be requiring OHSP clearance for [REDACTED] personnel and have requested that personnel provide their medical information to [REDACTED], as [REDACTED] does not have an Occupational Health program on their campus for animal work.

2020 AVMA Guidelines

The committee was informed that there is a new version of the AVMA Guidelines. The biggest change that impacts the animal work being done at ASU is the change in the CO2 flow rates for euthanasia of rodents. The vets will be working to update the Standard Institutional Guidelines for the committee to review at an upcoming meeting. The committee acknowledged this information.

Noncompliance

The Chair provided an update to the committee regarding the noncompliance that was reported last month. The Chair reported they met with the Principal Investigator (PI) and the lab. The PI will be reinforcing the importance of following through with monitoring for the total time period post-procedure, not just from a compliance standpoint, but from an animal welfare standpoint as well. The lab will establish a record-keeping log to better track the monitoring of animals and drug administration. After discussion, a motion was made to approve the actions taken by the PI, and request that the log be made available to the IACUC. The motion was seconded. A final report to OLAW will be submitted.

Total Vote: 8 Approved: 8 Opposed: 0 Abstained: 0 Recused: 0

Semiannual Inspections

The committee was informed that the semiannual inspections were being scheduled and that calendar requests would be sent out in the next couple of days. The committee acknowledged this information.

Education Items

The committee discussed the education items:

- Animal Research Perceptions vs Reality

Disaster Plan

The committee was informed that the disaster plan for the animal housing areas is part of the larger university disaster plan and that it will be followed in the event of shut downs/limited operations as a result of COVID-19.

The meeting adjourned at 4:19 pm. The next meeting will be held Thursday, March 26, 2020 at 3:00 pm in the

Minutes
Institutional Animal Care and Use Committee
March 26, 2020
Zoom Meeting 3:00 pm

Voting Members Present

[REDACTED]

Affiliated Participants

[REDACTED]

Visitors

[REDACTED]

The meeting was called to order at 3:03 pm, and a quorum was confirmed. Introductions were made.

The Chair presented the February 27, 2020, minutes. A motion was made to approve the minutes as presented. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

The Chair called for a conflict of interest. [REDACTED] reported his conflict with [REDACTED] 20-1775R and [REDACTED] 20-1778R.

The Chair reminded the membership of the IACUC protocol review criteria.

Protocols for Committee Review

[REDACTED] 20-1771R

Aquaculture Research

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

[REDACTED] 20-1775R

Assessment of Sonoran Mud Turtle Populations

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: N/A

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were made:

1. Page 2: Clarified any bycatch would be released.

2. Page 3: Clarified that in addition to the weight of the clipped material being recorded, the weight of the turtle and the carapace length would be recorded.

A motion was made to approve the protocol as modified. The motion was seconded.

Total Vote: 8 Approved: 8 Opposed: 0 Abstained: 0 Recused: 1

20-1777R

Testing the Effects of Wildlife Cameras for Small Mammal Surveys: A Comparison between Camera and Small Mammal Traps

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were made:

1. Clarified that the PPE to be worn will be N95 respirators, rather than dust masks.

After further discussion, the following changes were requested:

1. Change the PI from [REDACTED] to [REDACTED]; retain [REDACTED] on the protocol to add expertise with field work. [REDACTED] will need to complete the Level I – Basic IACUC training.

After discussion, a motion was made to appoint the Chair and the Primary Reviewer as the Designated Reviewers of the revised version to confirm that it addresses the revisions discussed by the committee. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

20-1778R

A New Experimental Model System for Controlled Trials of Sensory Cues and Technologies to Improve Global Sea Turtle Bycatch Reduction

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: N/A

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were made:

1. Page 15, Question F: Clarified that continuous monitoring takes place only when the animals are in the experimental tanks.

A motion was made to approve the protocol as modified. The motion was seconded.

Total Vote: 8 Approved: 8 Opposed: 0 Abstained: 0 Recused: 1

20-1780R

Iterative Intersexual Behaviors in Hummingbird Courtship

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were made:

1. Throughout the protocol: Clarified that the temperature both in the field and in tents will be monitored.

A motion was made to approve the protocol as modified. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

Consent Items

The Chair presented the consent items listing (1) activities approved administratively or by designated review and (2) annual and final reviews. The committee acknowledged the consent items.

Annual Reviews with Exceptions to the Guide

The Chair presented the exceptions for the following protocols:

- [REDACTED] 19-1711R for a husbandry deviation from the *Guide*
- [REDACTED] 19-1712R for a husbandry deviation from the *Guide*
- [REDACTED] 19-1704R for a husbandry deviation from the *Guide*
- [REDACTED] 18-1637R for a husbandry deviation from the *Guide*

The committee discussed and confirmed the previous approvals. There were no dissenting opinions.

Standard Institutional Guideline (SIG) – Euthanasia

The revised SIG for Euthanasia was presented to the committee. Changes made to the SIG incorporate recent changes to the AVMA Guidelines. After discussion, a motion was made to approve the revised SIG as presented. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

AAV Containment Levels

A member of the [REDACTED] team informed the committee that at the previous IBC meeting, the IBC voted and approved a modification to practices involving AAV containment levels. AAVs that are grown in human cells with no helper virus used for propagation, and have no further purification performed on samples, will be held at ABSL2 for the first 72 hours post virus administration. After the first cage change the animals will be downgraded to ABSL1. The first cage change is autoclaved and treated as ABSL2. Recombinant AAVs grown in human cells with no helper virus used for propagation, and the virus is purified and validated, or from an approved vendor, will be maintained at ABSL1 with the first cage change post AAV administration being autoclaved [REDACTED] will work with [REDACTED] to update signage for PPE as necessary. The committee acknowledged this information.

Marmoset Update

The committee was informed that a marmoset was euthanized after veterinarian intervention to maintain its weight was unsuccessful. Prior to euthanasia, blood work showed there was a problem with the animal's kidneys, which was further supported during the necropsy. [REDACTED] is waiting for the results of the histopathology analysis to better understand the cause of death. This animal was not on any active research studies. The committee acknowledged the information.

Noncompliance

The Chair informed the committee of a noncompliance involving the marmosets. The protocol states that the colony will be weighed monthly, and while reviewing the treatment of the marmoset that was euthanized, it was discovered there were instances where the colony was not weighed each month. The Chair will meet with the Principal Investigator to discuss a corrective action plan which will be presented to the committee at the next IACUC meeting. A preliminary report has been filed with OLAW. The committee acknowledged the information.

USDA Inspection

The committee was informed that there was a USDA inspection recently. There were no noncompliance items found. The inspection report will be provided to the IACUC office for record keeping purposes.

Semiannual Program Review

The Chair informed the committee that the semiannual program review will take place next month. A copy of the checklist, adopted from OLAW, will be provided to the committee in advance. The committee acknowledged the information.

IACUC Inspections

The committee was informed that the Institutional Official asked the IACUC Office and the Chair to investigate suspending the remaining semiannual inspections considering the precautions being taken to reduce the spread of COVID-19. A waiver request will be submitted to OLAW. The committee acknowledged the information.

Education Items

The committee discussed the education item:

- #Major Animal Use Statistics Update

The meeting adjourned at 4:20 pm. The next meeting will be held April 23, 2020 at 3:00 pm at [REDACTED]. If the social distancing parameters associated with the COVID 19 pandemic are still in place, the meeting will be held via Zoom.

Minutes
Institutional Animal Care and Use Committee
April 23, 2020
Zoom Meeting

Voting Members Present

[REDACTED]

Affiliated Participants

[REDACTED]

Visitors

[REDACTED]

The meeting was called to order by the Chair at 3:00 pm, and a quorum was confirmed. Introductions were made. [REDACTED] joined the meeting at 3:02 pm.

The Chair presented the March 26, 2020, minutes. A motion was made to approve the minutes as presented. The motion was seconded.

Total Vote: 8 Approved: 8 Opposed: 0 Abstained: 0 Recused: 0

The Chair called for a conflict of interest. [REDACTED] reported his conflict with [REDACTED] 20-1773R and [REDACTED] reported her conflict with [REDACTED] 20-1793R.

The Chair reminded the membership of the IACUC protocol review criteria.

Protocols for Committee Review

20-1788R

Microfabrication of Vascularized 3D Cardiac Tissue Constructs

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: N/A

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. The committee also reviewed the accompanying checklist for a husbandry deviation from the *Guide*. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

20-1782R

Functional Molecular Imaging of Immune and Regenerative Signaling

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were made:

1. Page 28: Clarified that lidocaine, and not bupivacaine is being used

After further discussion, the following changes were requested:

1. Add the dose information for acetaminophen and luciferin to the chemical table
2. The PI needs to receive their OHSP Clearance
3. Perfusion chemicals need to be added to the Chemical Table.

The committee also reviewed the accompanying checklist for a husbandry deviation to the *Guide*. A motion was made to appoint the Chair and the Primary Reviewer as the Designated Reviewers of the revised version to confirm that it addresses the revisions discussed by the committee. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

20-1785R

Neurological Circuits and Mechanisms of Substance Use Disorders

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: N/A

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. The committee also reviewed the accompanying checklist for a husbandry deviation to the *Guide*, and food restriction. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

20-1776R

Memory and Aging in the Rodent: Interventions to Improve Cognitive and Neurobiological Outcomes

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: N/A

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. The committee also reviewed the accompanying checklist for a husbandry deviation from the *Guide*. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 8 Approved: 8 Opposed: 0 Abstained: 0 Recused: 1

20-1790R

Mechanisms of Stem Cell Self-Renewal

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. The committee also reviewed the accompanying checklist for food restriction. It was noted that the cervical dislocation procedure will need to be demonstrated to the vet team prior to doing the work. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

20-1792R

Lung Explant Imaging

Funding Source:

Primary Reviewer:

Peer Reviewer: N/A

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. The committee also reviewed the accompanying checklist for a husbandry deviation from the *Guide*. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 9

Approved: 9

Opposed: 0

Abstained: 0

Recused: 0

20-1781R

Accuracy of Veterinarian Age Estimation in Pet Dogs

Funding Source:

Primary Reviewer:

Peer Reviewer:

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. The IACUC Office will confirm with the IRB team that no IRB study is required. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 9

Approved: 9

Opposed: 0

Abstained: 0

Recused: 0

20-1793R

Detecting and Treating Traumatic Brain Injury

Funding Source:

Primary Reviewer:

Peer Reviewer: N/A

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were made:

1. Page 31: Clarified that animals are single housed.

After further discussion, the following changes were requested:

1. Verify the number of animals needed in tables 7 and 8; and update the total number of animals throughout the protocol as needed.

The committee also reviewed the accompanying checklist for a husbandry deviation from the *Guide*. After discussion, a motion was made to appoint the Chair as the Designated Reviewer of the revised version to confirm that it addresses the revisions discussed by the committee. The motion was seconded.

Total Vote: 8

Approved: 8

Opposed: 0

Abstained: 0

Recused: 1

20-1773R

Holding Protocol

Funding Source: N/A

Primary Reviewer:

Peer Reviewer:

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. The committee also reviewed the accompanying checklist for a husbandry deviation

from the *Guide*. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 8 Approved: 8 Opposed: 0 Abstained: 0 Recused: 1

Consent Items

The Chair presented the consent items listing (1) activities approved administratively or by designated review and (2) annual and final reviews. The committee acknowledged the consent items.

Annual Reviews with Exceptions to the Guide

The Chair presented the exceptions for the following protocols:

- [REDACTED] 19-1716R for food and water restrictions.

The committee discussed and confirmed the previous approvals. There were no dissenting opinions.

OLAW Response to [REDACTED] Report

The Chair presented OLAW's response to the [REDACTED] noncompliance report. OLAW agreed with the actions taken and had no further suggestions. The committee acknowledged the response.

[REDACTED] Noncompliance Update

The Chair provided an update on the [REDACTED] noncompliance, initially reported last month. A Request for Changes was submitted, and approved, to allow for more flexibility on weighing the animals. After discussion, a motion was made that no further action is required by the PI at this time. The motion was seconded. The final report to OLAW will be submitted by the IACUC Office.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

OHSP Clearance Discussion

The Chair reminded the committee that when OHSP clearances are expired, and personnel are unable to get to Health Services for required vaccinations/fit tests, they will be removed from the protocol(s) on which they are listed. Once OHSP clearance has been renewed, the PI will need to add the personnel back to the protocol(s). Health Services remains open to faculty, staff and students, and there are precautions in place to minimize potential exposure to COVID-19. The committee acknowledged the information.

Level 3 Training for Handling

The Chair discussed the current process for Level 3 training for handling of animals. Difficult/dangerous species do have Level 3 handling recorded, which is currently done on a case-by-case basis. Additionally, there are internal records kept within [REDACTED] for Level 3 training for handling, and PIs also are expected to keep records of this training. Therefore, no changes to how the IACUC office records Level 3 training for handling are needed.

Semiannual Program Review

The committee performed the semiannual program review. There was discussion about the stockpile of PPE [REDACTED] has on hand. Currently, there is a 3 months' supply, and the goal is to obtain a 6 months' supply. [REDACTED] works with [REDACTED] to ensure proper supply, while balancing with expiration dates. The [REDACTED] outlines the requirements for stockpiles of PPE as well. There were no dissenting opinions.

Herpes B Exposure

The committee was informed that a member of [REDACTED] staff was potentially exposed to herpes B. The appropriate steps for exposure were followed, and the staff member is waiting on the results of the test. The committee acknowledged the information.

Education Items

The committee discussed the education items:

- *Monkeys and Mice Enlisted to Fight Coronavirus*

The meeting adjourned at 4:51pm. The next meeting will be held May 28, 2020 via Zoom.

Minutes
Institutional Animal Care and Use Committee
May 28, 2020
Zoom Meeting 3:00 pm

Voting Members Present

[REDACTED]

Affiliated Participants

[REDACTED]

Visitors

[REDACTED]

The meeting was called to order by the Chair at 3:02 pm, and a quorum was confirmed. Introductions were made.

The Chair presented the April 23, 2020, minutes. A motion was made to approve the minutes as presented. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

The Chair called for a conflict of interest. [REDACTED] reported his conflict with [REDACTED] 20-1794R.

The Chair reminded the membership of the IACUC protocol review criteria and informed them that it was posted to the meeting folder for easy access.

Protocols for Committee Review

20-17191R

Evolution of Multimodal Communication in Lizards

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were requested:

1. Provide the experience of the PI in the section under the personnel table.

After discussion, a motion was made to appoint the Chair as the Designated Reviewer of the revised version to confirm that it addresses the revisions discussed by the committee. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

20-1797R

Laser-Activated Nanoglues (LANGs) for Rapid Tissue Repair and Combating Surgical Site Infections

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: N/A

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. The committee also reviewed the accompanying checklist for a husbandry deviation from the *Guide*. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

20-1789R

Sociability in Canids other than Dogs and Wolves

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

20-1794R

Behavior Regulation in Rodent Models

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: N/A

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were made:

1. Page 3: Clarified in Experiment 1 that animals will have access to the sipper tubes for up to 2 hours per day.

The committee also reviewed the accompanying checklist for food restriction, prolonged restraint, and a husbandry deviation from the *Guide*. A harm/benefit analysis of the protocol was performed, as required, and it was determined to be scientifically justified. After discussion, a motion was made to approve the protocol as modified. The motion was seconded.

Total Vote: 8 Approved: 8 Opposed: 0 Abstained: 0 Recused: 1

20-1796R

Investigating the Impact of Urbanization and Climate Change on Capture Stress and Reproductive Physiology in Arizona Recreational Fish Species

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were made:

1. Added antibacterial ointment to the drug table and checked "yes" in III.A.
2. On page 5, added "per species" following "approximately 75."

After discussion, a motion was made to approve the protocol as modified. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

Request for Changes for Committee Review

20-1745R RFC 7

Using Innovative and Non-lethal Techniques to Study the Biology, Ecology and Habitat Utilization of Sharks

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: N/A

An overview of the requested changes to the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were requested:

1. Provide references for the justification of the sample size.

After discussion, a motion was made to appoint the Chair as the Designated Review of the reviewed revision of the request for changes to the protocol, to confirm that it addresses the revisions discussed by the committee. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

Consent Items

The Chair presented the consent items listing (1) activities approved administratively or by designated review and (2) annual and final reviews. The committee acknowledged the consent items.

[REDACTED] assumed duties of the Chair at 3:53 pm. [REDACTED] resumed duties of Chair at 3:55 pm.

Annual Reviews with Exceptions to the Guide and/or Unalleviated Pain/Distress

The Chair presented the exceptions for the following protocols:

- [REDACTED] 18-1653R for husbandry deviation from the *Guide*
- [REDACTED] 18-1659R for food restriction
- [REDACTED] 18-1646R for food and water restriction, a husbandry deviation from the *Guide*

The committee discussed and confirmed the previous exceptions. The committee also discussed and confirmed the previous approval for unalleviated/pain and distress for [REDACTED] 18-1653R and [REDACTED] 18-1646R. There were no dissenting opinions.

Policy and Procedures Manual (PPM) Revisions

The Chair and Attending Veterinarian presented the revised PPMs to the committee. After discussion, a motion was made to approve the PPMs as presented. The motion was seconded.

Total Vote: 9 Approved: 9 Opposed: 0 Abstained: 0 Recused: 0

Semiannual Report to Institutional Official (IO)

The Chair presented the Semiannual Report to the IO. The committee reviewed and acknowledged the report. It was signed by members in attendance.

Education Items

The committee discussed the education items:

- *ILAR Article – Responsible Science and Research Animal Use.*

IACUC email address reminder

The committee was reminded to start using the IACUC email address again, as the other IACUC coordinator will be returning from a leave of absence in June.

The meeting adjourned at 4:17 pm. The next meeting will be held via Zoom on June 25, 2020 at 3:00 pm.

Minutes
Institutional Animal Care and Use Committee
June 25, 2020
Zoom Meeting 3:00 pm

Voting Members Present

[REDACTED]

Affiliated Participants

[REDACTED]

Visitors

[REDACTED]

The meeting was called to order by the Chair at 3:00 pm, and a quorum was confirmed. Introductions were made.

The Chair presented the May 28, 2020, minutes. A motion was made to approve the minutes as presented. The motion was seconded.

Total Vote: 8 Approved: 8 Opposed: 0 Abstained: 0 Recused: 1

The Chair called for a conflict of interest.

The Chair reminded the membership of the IACUC protocol review criteria.

[REDACTED] joined the meeting at 3:07 pm.

Protocols for Committee Review

[REDACTED] 20-1799R

Herpes Simplex Transport and Egress Pathway Neurons

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: N/A

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. It was noted that embryos do not count towards the final number of animals since they are not born. The committee also reviewed the accompanying checklist for a husbandry deviation from the *Guide*. After discussion, a motion was made to approve the protocol as presented. The motion was seconded.

Total Vote: 10 Approved: 10 Opposed: 0 Abstained: 0 Recused: 0

20-1801R

The Role of Tyramine in the Mouse Reproduction System

Funding Source: [REDACTED]

Primary Reviewer: [REDACTED]

Peer Reviewer: [REDACTED]

An overview of the protocol was provided by one of the research investigators, who responded to questions posed by the committee. After discussion, the following changes were requested:

1. Verify that the numbers in the protocol are accurate.

The committee also reviewed the accompanying checklist for a husbandry deviation. After discussion, a motion was made to appoint the Chair and [REDACTED] as the Designated Reviewers of the revised version to confirm that it addresses the revisions discussed by the committee. The motion was seconded.

Total Vote: 10

Approved: 10

Opposed: 0

Abstained: 0

Recused: 0

Consent Items

The Chair presented the consent items listing (1) activities approved administratively or by designated review and (2) annual and final reviews. The committee acknowledged the consent items.

Annual Reviews with Exceptions to the Guide and/or Unalleviated Pain/Distress

The Chair presented the exceptions for the following protocols:

- [REDACTED] 19-1722R for food/water restriction and prolonged restraint
- [REDACTED] 18-1652T for a husbandry deviation from the *Guide*
- [REDACTED] 19-1723R for food restrictions
- [REDACTED] 19-1724R for food restriction and a husbandry deviation from the *Guide*
- [REDACTED] 19-1720R for food/water restrictions and a husbandry deviation from the *Guide*

The committee discussed and confirmed the previous approvals. The committee also discussed and confirmed the previous approval for unalleviated pain/distress for [REDACTED] 19-1722R. There were no dissenting opinions.

OLAW Report, Response and Update

The Chair presented the report to OLAW regarding the [REDACTED] lab noncompliance. OLAW's response was also presented. They approved of the actions taken and recommended that a specialist in marmoset behavior be consulted, or hired, to help better train the animals to enter the transport box. The Chair reported that the lab is in the process of hiring a former [REDACTED] employee who specialized in working with the marmosets. A letter will be sent to OLAW with this update from the lab. The committee acknowledged the report, response, and update.

Inspections

The committee was informed that the inspection waiver is still in effect for the off-cycle inspections. However, the Chair and Attending Veterinarian would like locations that involve USDA-covered species to still be inspected if possible. For the off-cycle inspections, this would be the [REDACTED] facility and [REDACTED]. [REDACTED] is part of the main cycle of inspections and is anticipated to be scheduled at the end of September, or the beginning of October, when the inspection waiver expires. If another inspection waiver is granted, then it will be reconsidered. The IACUC Coordinator will work to get the inspection of the [REDACTED] facility and [REDACTED] scheduled for the middle of July. The committee acknowledged the information.

Education Items

The committee discussed the education items:

- *Federal Register: Animal Welfare; Amendments to Licensing Provisions*

The meeting adjourned at 3:44 pm. The next meeting will be held July 23, 2020 at 3:00 pm via a Zoom meeting.