

MEETING MINUTES
 Chancellor's Animal Research Committee
 January 10, 2022, 2:30 PM

GENERAL MEETING INFORMATION

Meeting chaired by: [REDACTED]
 Minutes prepared by: ARC Administrative Staff

ATTENDANCE

Committee Chair:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present

Committee Members:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Absent
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
Jeffrey Goodwin	Veterinarian	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Absent
[REDACTED]	Scientist	Present

Alternate Members:

Name	Role(s)	Attendance Status	Substituting For
[REDACTED]	Veterinarian	Present	
[REDACTED]	Veterinarian	Absent	
[REDACTED]	Veterinarian	Present	

Staff:

Name	Attendance Status
[REDACTED]	Present
[REDACTED]	Present
[REDACTED]	Present

Name	Attendance Status
	Present
	Present
	Present

QUORUM INFORMATION

Number of IACUC members on the roster: 14

Number required for quorum: 7

All members present by teleconference received all pertinent material before the meeting and were able to actively and equally participate in all discussions.

MEETING MINUTES

A motion to approve the December 13, 2021 meeting minutes passed: 11 yes, 0 no, 0 abstain.

REVIEW OF SUBMISSIONS

New Protocols (1)

Species:	Rat
Conflicts:	was recused from the discussion due to conflict of interest
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. The information gained from understanding how thrombospondin, a protein found in the spinal cord, contributes chronic neuropathic pain may help the lab validate a new target for development of medications for management of neuropathic pain. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.

Triennial Reviews (2)

Species:	Mouse
Conflicts:	None
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. The information gained from understanding the role of sex chromosomes in

	patients suffering Multiple Sclerosis (MS) may lead to new treatments for MS and other autoimmune diseases known to be influenced by sex chromosomes. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.
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Species:	Mouse
Conflicts:	None
Comments:	None

Amendments (4)

Species:	Rat
Conflicts:	None
Comments:	The members were reminded of previous communication with this lab regarding continued use of their [REDACTED] and potential relocation of their animals into the [REDACTED]. The members determined that a comment will be included in the correspondence requesting a rationale for starting new experiments in the [REDACTED]. [REDACTED] informed the members of complications seen related to antibiotic administration. The members will be updated with further information once [REDACTED] determines if this was an isolated event or one that needs further involvement from the Committee.

[REDACTED] joined the meeting at 3:15pm, increasing the number of voting members to 12.

Species:	Pig
Conflicts:	None
Comments:	None

Species:	Rabbit
Conflicts:	None
Comments:	None

Species:	Goat
Conflicts:	None
Comments:	None

Unless otherwise specified in these minutes, further review of the above protocols will be conducted using DMR subsequent to FCR with a review of PI responses to the ARC's

questions and requests designated to the Chair or Vice-Chair in accordance with UCLA's Animal Welfare Assurance. A vote to proceed as discussed passed. (12 Yes, 0 No, 0 Abstain except for [REDACTED] which passed with 11 yes, 0 no, 0 abstain due to aforementioned conflict).

REVIEW OF CONCERNS

1. Use of Unapproved Location: [REDACTED] (Species: Mouse)

The members reviewed communications regarding use of the PI's laboratory for animal procedures prior to being listed on an approved protocol. The matter arose in the course of communication between the lab and EH&S regarding decommissioning of one laboratory upon the PI's relocation into a new space. Upon inquiry, the PI accepted responsibility for not obtaining ARC approval prior to using the space for animal activities and provided a written corrective action plan. The new lab space has been added to this protocol. The members determined that since the matter appears to have been resolved, an informal email will be sent from the ARC Office reminding the lab that all locations must be approved by the ARC prior to performing procedures with animals. The email will also remind the lab that animals cannot be housed at the location for periods greater than 24 hours without ARC review and approval. No further action is required at this time and the issue is considered resolved. A vote to proceed as discussed passed unanimously. (12 Yes, 0 No, 0 Abstain)

2. Vet Report: [REDACTED] (Species: Rat)

The members were reminded of the December 13, 2021 meeting where the ARC discussed veterinary concerns related to the aseptic technique observed during survival surgeries performed by the lab. At that meeting, the members requested that DLAM veterinarian [REDACTED] work with the lab during a scheduled procedure on December 15, 2021, and report back to the ARC. At this meeting, the members reviewed a report from [REDACTED] which included recommendations for future survival surgeries. The report also included information regarding a second surgery involving the lungs which was performed on the following day without the veterinary staff present and resulted in animal mortality. The members determined that a letter will be sent from the ARC requesting the lab contact the DLAM veterinarian when scheduling subsequent surgeries so that they can continue to work with the veterinary staff. The letter will describe the deficiencies noted during the initial surgery and request an action plan to resolve these concerns. The response will be brought back to the Committee to determine if further action is required or if the issue can be considered resolved. A vote to proceed as discussed passed unanimously (12 yes, 0 no, 0 abstain).

3. Vet Report: [REDACTED] Temps and Oversight

The members were reminded of the August 23, 2021 meeting where they discussed concerns regarding responsibility for facility issues at the [REDACTED], located on the [REDACTED] campus, and determined that a letter will be sent to the Department of [REDACTED] Chairman regarding these concerns. At this meeting, the members reviewed the response memo which identified a compressor failure as the cause of the temperature fluctuations. With the imminent opening of the new [REDACTED] facility in [REDACTED] the members shared concerns regarding responsibility for oversight of facilities related problems at the new location. The ARC

████ informed the members of a January 7, 2022 visit to the ██████████ where the individual to contact when facilities issues arise was identified. The members were also informed of a request to begin moving animals from the █████ facility to the █████ facility. The members determined that the January 7, 2022 walkthrough of the facility will be documented as an official ARC inspection and confirmed that animals can be transferred to the █████ facility. A vote to proceed as discussed passed unanimously. (12 Yes, 0 No, 0 Abstain)

4. Vet Report: █████ (Species: Mouse)

The members reviewed a vet report that described a November 25 – 28, 2021 incident where DLAM staff found four cages of mice in the vivarium with low special food, and posted with Investigator Will cage cards that had incorrect start dates and contacts. Attempts to contact the lab to replenish food by DLAM went unanswered. DLAM staff provided regular food to the animals one day after identifying no remaining food in the cages and informed the lab by email. When the matter was brought to the PI to address, the lab member responsible for the cages indicated that they had forgot about these cages and that communications from DLAM had gone to a colleague who was incorrectly listed on the cage cards. The members determined that a letter from the ARC will be sent to the PI, requesting an action plan to address the issue and reduce chances of repeating. The response will be reviewed by the Vice-Chair to determine whether the issue can be considered resolved or if follow up is needed. A vote to proceed as discussed passed unanimously. (12 Yes, 0 No, 0 Abstain)

5. Vet Report: Mice in Cage Wash

The members reviewed a DLAM report of incidents occurring in December 2021 involving live mice found in soiled cages that had been sent to cage wash locations in █████ and █████. Since there was no way of determining who may have done this in the █████, DLAM veterinarian █████ sent an email to all █████ labs that work with animals reminding them to double-check their cages before bringing them to the soiled cage-wash for drop-off. Since there is only one PI accessed room in █████ it was determined that the two dead mice found in the soiled cages of the █████ cage wash most likely came from the █████ managed area. DLAM reinstated the use of carts labeled with the name of the technician responsible to determine where cages came from and updating SOPs with a process to check bedding for animals before cages are transported to the cage wash. The members determined that no further action is required at this time and the issue is considered resolved. A vote to proceed as discussed passed unanimously. (12 Yes, 0 No, 0 Abstain)

████ joined the meeting at 4pm. As an alternate to JG, █████ did not participate in any votes and the quorum count did not change.

6. Vet Report: █████ (Species: Mouse)

The members were reminded of multiple prior discussions and meetings with the PI regarding compliance with protocol endpoints and adherence to veterinary orders as related to cancer models studied under this protocol. In the most recent discussions in August 2021, the ARC encouraged the PI to work with DLAM veterinarian █████ on increased monitoring of animals and modifying endpoints.

████ informed the members that despite these efforts, the DLAM staff continue to find dead mice in the Hazardous Containment room and see problems with the lab's use of the new monitoring plan and endpoints. DLAM staff also reported concerns regarding the lab's ability to use established end points and relying on DLAM technicians to identify animals that need to be euthanized.

The members discussed the difficulty determining appropriate endpoint criteria for the late-stage cancer model studied by the lab. They further acknowledged that animal mortality in this lab may be higher than other labs because of the complexity of the model and the number of mice used at any given time. The members questioned whether the revised monitoring and endpoint criteria may again need to be modified, for example, if the PI determines that survival experiments are required. The members determined that the ARC will send a letter to the PI, with a cc to the Department Chair, describing serious and continuing concerns regarding care of animals in this lab, and requiring the PI implement immediate corrective actions. Consequences that may occur if the lab is unable to demonstrate sustained improvement in caring for their animals will be included in the letter. █████ will consult on the draft letter and the PI's response will be brought back to the Committee for further discussion. A vote to proceed as discussed passed unanimously (12 yes, 0 no, 0 abstain).

CONTINUING EDUCATION FOR ARC MEMBERS

The members were informed of a new training module designed specifically for IACUC member orientation that is currently available to ARC members through PRIM&R. Access to this training will only be available for a limited time. Members were encouraged to Contact the ARC administrative staff for access if they are interested in taking the training.

CHAIR/VET/RS&AW NEWS AND REPORTS

1. The Chair requested each member provide two names of faculty that may be interested in becoming a member of the ARC.
2. The ARC █████ requested volunteers for upcoming inspections.

With no additional committee business or questions, the meeting was adjourned at 4:50pm

END OF MEETING MINUTES

Approved: January 24, 2022

MEETING MINUTES
 Chancellor's Animal Research Committee
 January 24, 2022

GENERAL MEETING INFORMATION

Meeting chaired by: [REDACTED]
 Minutes prepared by: ARC Administrative Staff
 Meeting Start Time: 2:30 PM
 Meeting End Time: 4:40 PM

ATTENDANCE

Committee Chair:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present

Committee Members:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Absent
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
Jeffrey Goodwin	Veterinarian	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Absent
[REDACTED]	Scientist	Present

Alternate Members:

Name	Role(s)	Attendance Status	Substituting For
[REDACTED]	Veterinarian	Absent	
[REDACTED]	Veterinarian	Present	
[REDACTED]	Veterinarian	Present	

Staff:

Name	Attendance Status
[REDACTED]	Present

Name	Attendance Status
	Present
	Present
	Present
	Present
	Present

QUORUM INFORMATION

Number of IACUC members on the roster: 14

Number required for quorum: 8

All members present by teleconference received all pertinent material before the meeting and were able to actively and equally participate in all discussions.

VET REPORT

Vet Report [REDACTED] (Species: Pig) - [REDACTED] *was recused from this discussion due to a conflict of interest.*

DLAM veterinarian [REDACTED] attended the first portion of this meeting to discuss a vet report related to a sleeve gastrectomy performed on one pig under this protocol on January 12, 2022.

Following an initial unremarkable recovery, the animal began to show reluctance to eat and stand. Despite clinical interventions, the animal's condition did not improve and exploratory surgery was performed on January 16, 2022, which identified adhesions and significant ischemia. As a result the animal was euthanized.

[REDACTED] informed the members that although this complication has been seen in the past and is not uncommon, there are strategies to reduce the risk of such post operative complications. [REDACTED] has met with the surgeons and related PIs and discussed recommendations to improve surgical outcome in future cases. The members determined that a letter from the ARC will be sent to the PIs to help reinforce the discussion between the labs and [REDACTED]. The letter will request that additional resources be provided to support the surgeons and will inquire about the minimally invasive laparoscopy described in the protocol as the preferred approach. The response will be reviewed by the Chair and veterinarian and brought back to the Committee if further discussion is warranted. A vote to proceed as discussed passed. (11 Yes, 0 No, 0 Abstain)

[REDACTED] *left the meeting after this discussion; this departure did not impact quorum.*

PROGRAM EVALUATION

July-December 2021 Semiannual Program Evaluation

The members reviewed items in the program evaluation checklist and draft report to IO.

The members were reminded that the ARC conducts semiannual inspections on a monthly basis, and reviews inspection reports on a monthly basis for inspections performed during the prior month; as such, items listed in Section II - Semiannual Facility Inspection Checklist of the program evaluation checklist were not included in the current program review.

The members discussed the below points and subsequently determined that the Semiannual Program Evaluation can be approved as submitted and with no deficiencies.

a) Disaster Plan:

████ informed the members that the DLAM component of the Disaster Plan has not changed from the one that was used during the October 2020 AAALAC site visit. Plans to perform tabletop exercises with the Office of Emergency Management have been postponed due to the January 2022 COVID19 surge. Animal users who bring animals to their laboratories should continue to post the one-page emergency flow-chart for labs that work with animals outside the vivarium. Discussions to add this page to a UCLA Emergency flipchart have ended, as the flipchart caters primarily to classrooms and lecture halls and not labs. Since there is a current disaster plan in place, the item is acceptable and will be reevaluated at the next Program Evaluation.

b) IACUC:

████ requested a discussion regarding how the ARC evaluates the effectiveness of the training program. The members discussed incidents where the ARC requests researchers or DLAM staff be retrained to address issues of compliance. Although the current evaluation is reactionary, the item is acceptable and strategies to evaluate training proactively will be discussed.

c) IACUC Protocol Review:

████ asked whether the animal use protocol requests justification for performing prolonged physical restraint on awake animals. The members determined that the language on the RATS 2.0 application does request the use of restraint be justified. The item is acceptable.

d) Personnel Qualifications and Training:

The members were reminded of a training and outreach taskforce established by the ARC in December 2019 to evaluate and make recommendations about the ARC certification program. The taskforce was on hiatus during the pandemic and will reconvene in 2022.

e) Occupational Health:

JG reminded the members that sheep and goats are being used for research on campus. To address potential zoonoses, DLAM, EH&S, and the ARC office have partnered with Occupational Health to establish a Q-fever surveillance program for researchers working with these species. With the recent elimination of annual reviews for ARC protocols that use USDA-

regulated species, there are on-going discussions on developing a new method to follow up on annual health surveillance renewals. The members will be updated once these new procedures are established. This item is acceptable.

Once review of the checklist was complete, the members were informed of the draft Report to the IO and reminded that they may submit a minority opinion if/when they disagree with a Committee decision.

The members discussed single housing of dogs for short periods of time for a specific PI who only uses one animal at a time but determined it did not constitute a departure from the Guide. When possible, the dogs are housed in the same enclosure as pigs, which has worked well in the past.

The members were also reminded of a change in DLAM cage wash frequency that was implemented in October 2021 in preparation of a major steam outage impacting the [REDACTED] and [REDACTED] vivaria. The change was implemented and continued due to pandemic-related staffing shortages, and facility and equipment problems. DLAM will continue to closely monitor animal health as related to the cage change schedule and assess whether these modifications will become a permanent part of the husbandry program. This change will be identified as a departure from the Guide in the Report to IO.

A motion to approve the July-December 2021 Semiannual Program Evaluation and Report to the IO passed unanimously: 12 yes, 0 no, 0 abstain.

MEETING MINUTES

A motion to approve the January 10, 2022 meeting minutes passed: 12 yes, 0 no, 0 abstain.

REVIEW OF SUBMISSIONS

New Protocols (4)

[REDACTED]	
Species:	Pig
Conflicts:	none
Comments:	The reviewer had extensive comments due to misrouting during the pre-review process. The protocol will be brought back to FCR after the PI addresses administrative and Committee comments.

[REDACTED]	
Species:	Rat
Conflicts:	none

[REDACTED]

Species:	Pig
Conflicts:	████ was recused due to a conflict of interest.

Species:	Rat
Conflicts:	none

Triennial Reviews (1)

Species:	Pig
Conflicts:	none

Amendments (3)

Species:	Mouse
Conflicts:	none

Species:	Mouse, Rat
Conflicts:	none

Species:	Mouse
Conflicts:	none

Unless otherwise specified in these minutes, further review of the above protocols will be conducted using DMR subsequent to FCR with a review of PI responses to the ARC's questions and requests designated to the Chair or Vice-Chair in accordance with UCLA's Animal Welfare Assurance. A vote to proceed as discussed passed. (12 Yes, 0 No, 0 Abstain, except for █████, which passed with 11 yes, 0 no, 0 abstain due to aforementioned conflict).

████ left the meeting following this vote reducing the number of voting members to 11.

REVIEW OF CONCERNS

Unapproved Housing (████ Species: Mouse)

The members were informed that animals were brought into the Research Area on January 11, 2022 for a period that was greater than 24 hours. The lab personnel responsible for these animals indicated that a lab member was sick and was unable to return the cages to the vivarium. Since this appeared to be an isolated incident, the members determined that a letter from the ARC will be sent seeking clarification on the explanation provided for not returning animals to the vivarium and reminding the lab that animals should not remain in Research Areas for periods

greater than 24 hours. The PI's confirmation will be reviewed by the Chair to determine whether the issue can be considered resolved or if follow up is needed. A vote to proceed as discussed passed unanimously. (11 Yes, 0 No, 0 Abstain)

SEMIANNUAL INSPECTIONS

1. December Vivarium Inspection Report

██████ (Cage Wash). The members were informed that multiple occupational health related deficiencies were identified during the inspection and are pending resolution. Once a date of completion is provided, the report will be updated, then finalized with the Chair and submitted to the IO.

2. December Laboratory Inspection Report

The members had no specific questions regarding the report and the inspection team had no specific updates or questions.

A vote to approve the laboratory and vivarium reports passed unanimously. (11 Yes, 0 No, 0 Abstain)

CONTINUING EDUCATION FOR ARC MEMBERS

None

CHAIR/VET/RS&AW NEWS AND REPORTS

1. █████ informed the members that on January 21, 2022, a test of the █████ fire alarm was conducted with no warning to animal users. No further information is available at this time, as the investigation is on-going.
2. █████ informed the members of a power failure that occurred in the █████ vivarium on January 20, 2022. No further information is available at this time, as the investigation is on-going.
3. █████ informed the members of a safety valve failure in █████ which caused the steam to be turned off for emergency repairs. DLAM was happy with how Facilities communicated the issue; however, other building occupants, like the █████, were not included in initial communications. The members determined that RSAW █████ will send an informal email to Facilities Director Kelly Schmader, with a cc to the Chair and the AV, inquiring about maintaining replacement parts on site and informing him of the potential problem with the █████ facility if there is no back up steam when valves fail.

With no additional committee business or questions, the meeting was adjourned at 4:40 PM.

END OF MEETING MINUTES

Approved: February 14, 2022

MEETING MINUTES
Chancellor's Animal Research Committee
February 14, 2022

GENERAL MEETING INFORMATION

Meeting chaired by: [REDACTED]
Minutes prepared by: ARC Administrative Staff / approved 3/14/2022
Start Time: 2:30 PM
End Time: 5:05 PM

ATTENDANCE

Committee Chair:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present

Committee Members:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
Jeffrey Goodwin	Veterinarian	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present

Alternate Members:

Name	Role(s)	Attendance Status	Substituting For
[REDACTED]	Veterinarian	Present	
[REDACTED]	Veterinarian	Present during review of [REDACTED] only	
[REDACTED]	Veterinarian	Present	

Staff:

Name	Attendance Status
[REDACTED]	Absent

Name	Attendance Status
	Present
	Present
	Present
	Present
	Present

QUORUM INFORMATION

Number of IACUC members on the roster: 14

Number required for quorum: 8

All members present by teleconference received all pertinent material before the meeting and were able to actively and equally participate in all discussions.

MEETING MINUTES

The members were informed that minor revisions were made to the draft minutes to clarify the discussion and make it more concise, while retaining the required content for documentation purposes. A vote to proceed as discussed passed 12 yes, 0 no, 0 abstain.

and joined the meeting during the next discussion, increasing the number of voting member to 14.

REVIEW OF SUBMISSIONS

Triennial Reviews (7)

Species:	Mouse
Conflicts:	None

Species:	Dog
Conflicts:	None
	The members discussed the justification for using dogs in this research noting veterinary comments made during the pre-review which highlighted publications suggesting, from a structural perspective, the pig larynx may be a superior model for phonatory research. The members also considered the sensitivity surrounding the use of dogs in research and whether it might be feasible to transition to pigs once the current funding period that supports the use of dogs has ended. The members determined that the correspondence sent following this review will request that the PI

	elaborate further on the reasons why the dog is a superior model. The correspondence will also request a meeting between the PI, DLAM Veterinarians JG and [REDACTED] and ARC member [REDACTED] to discuss the continued use of dogs versus pigs in these experiments. The response will be brought back to the full Committee for discussion.
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[REDACTED]	
Species:	Mouse
Conflicts:	None
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. The information gained from determining how grafts of neural stem cells suspended in a biomaterial carrier can safely be transplanted into the central nervous system may aid in tissue repair and improving neural recovery after injuries such as head trauma. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.

[REDACTED]	
Species:	Mouse
Conflicts:	None

[REDACTED]	
Species:	Mouse
Conflicts:	None
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. The information gained from understanding the role of genetics in the development of inflammatory bowel disease may help the lab develop better methods to deter disease on-set. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.

[REDACTED]	
Species:	Mouse
Conflicts:	None

Species:	Rabbit
Conflicts:	None
Comments:	The RS&AW [REDACTED] informed the member of communication between the DLAM veterinary team, the PI, and the [REDACTED] regarding rabbits currently on study, and the possibly of moving future rabbit studies to the [REDACTED]. A discussion with the AV and the DLAM vet team will determine whether the PI still needs a protocol at UCLA for this work.

Amendments (3)

Species:	Pig
Conflicts:	[REDACTED] was recused from the discussion due to a conflict of interest.

[REDACTED] joined the meeting to discuss the next amendment and left the meeting once the discussion was completed.

Species:	Pig
Conflicts:	[REDACTED] was recused from the discussion due to a conflict of interest.

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Species:	Mouse
Conflicts:	None
Comments:	The members discussed whether the potential for unrelieved pain and distress was adequately justified for these experiments. The members determined that the PI should elaborate on the description of providing analgesics on an as needed basis and address whether there has been a need for analgesics during previous studies.

Unless otherwise specified in these minutes, further review of the above protocols will be conducted using DMR subsequent to FCR with a review of PI responses to the ARC's questions and requests designated to the Chair or Vice-Chair in accordance with UCLA's Animal Welfare Assurance. A vote to proceed as discussed passed 14 yes, 0 no, 0 abstain, except for [REDACTED] and [REDACTED], which passed 13 yes, 0 no, 0 abstain due to the aforementioned recusal.

DISCUSSION ITEMS

1. ARC Approval Notification to Study Team Members

At the time of protocol approval, all study team members receive a notification from RATS instructing them to read the protocol. The members reviewed a proposed revision to that message

to emphasize the responsibility of all team members to read the protocol and potential consequences of failure to adhere to the protocol. Minor edits to the language were recommended, and instructions to access the protocol will be added to the notice. The members approved the message with the recommended edits. A vote to proceed as discussed passed 14 yes, 0 no, 0 abstain.

2. ARC Policy Review: Reporting and Investigating Allegations

In the interest of time, the members decided to table this discussion to the next meeting.

3. Vet Report: Mice Found Dead - DLAM Update

The members were reminded of the October 11, 2021 meeting where they discussed an incident in which a lab and DLAM staff shared responsibility for mice found dead in cages with special instruction “Investigator Will...” cards attached. The PI’s response to the incident has already been reviewed by the Chair, but the Committee had asked that the DLAM response be brought back to the full Committee, due to DLAM’s role in similar cases.

The AV informed the members that new training has been implemented to simplify the role of the husbandry technicians to focus on making sure animals have food and water when the Investigator Will card indicates the lab is monitoring animals. The training is expected to be added to WorkSafe in March/April 2022. The members will be updated once the training is available and implemented. No Vote.

4. Vet Report: [REDACTED] (Species: Mouse)

The members were reminded of multiple prior discussions and meetings with the PI regarding compliance with protocol endpoints and adherence to veterinary orders as related to cancer models studied under this protocol. After the January 10, 2022 meeting, the ARC sent a letter to the PI, with a cc to the department chair, describing potential consequences should the lab be unable to demonstrate sustained improvement in their monitoring and care for animals.

At this meeting, the members reviewed the PI’s response and found the proposed action plan to be satisfactory. [REDACTED] attended a recent lab meeting to provide training to lab personnel and reported on the PI’s absence and personnel engagement during the meeting. [REDACTED] noted that personnel attending the Zoom meeting displayed a lack of knowledge regarding basic requirements such as knowing where to find the lab’s ARC protocol; however, it was unclear to [REDACTED] whether all personnel in attendance worked with animals in the lab. The members were informed that the PI and lab manager are scheduled for a meeting with DLAM veterinarian [REDACTED] to refine the criteria that will determine the start of the 48hr increased observation period and humane endpoints. After this meeting, the PI should update the description of monitoring and endpoints in [REDACTED].

The ARC questioned whether another meeting with [REDACTED] was necessary, but ultimately voted (10 yes, 4 no, 0 abstain) to require it. A letter will be sent to the PI to inform that another training should be held with [REDACTED] a representative from the ARC office, the PI, and all animal users working in the laboratory; [REDACTED] will repeat the training on how to identify sick animals. The PI will further be asked to generate a training log to document that personnel working with animals have read the protocol and understand the monitoring and endpoint criteria. The letter will

identify that repercussions, such as personnel being prohibited from working with animals, may be enforced should these issues continue to occur. This matter will be returned to the full committee once the meeting has occurred and the PI provides a written response to the letter. A motion to proceed as discussed passed unanimously (14 yes, 0 no, 0 abstain).

CONTINUING EDUCATION FOR ARC MEMBERS

None

■ left the meeting at 5pm, reducing the number of voting members to 13.

CHAIR/VET/RS&AW NEWS AND REPORTS

1. Pain Study: ■ (Species: Mouse)

The Chair reminded the members of a planned pilot study associated with this protocol that was approved by the ARC in November 2021. As the research group was preparing to begin the pilot, the DLAM vet team alerted the Chair of concerns regarding the study, prompting the Chair to bring the matter back to the full Committee for discussion. The members determined that a letter from the ARC will be sent asking the PI to meet with DLAM veterinarian ■ to discuss submission of an amendment to further justify the need for the pilot study. The response will be reviewed by the Committee at a convened meeting. A vote to proceed as discussed passed unanimously (13 yes, 0 no, 0 abstain).

With no additional committee business or questions, the meeting was adjourned 5:05 PM.

END OF MEETING MINUTES

MEETING MINUTES
 Chancellor's Animal Research Committee
 February 28, 2022

GENERAL MEETING INFORMATION

Meeting start time: 2/28/2022 2:30 PM
Meeting end time: 2/28/2022 4:50 PM
Meeting chaired by: [REDACTED]
Minutes prepared by: ARC Administrative Staff / approved 3/14/2022

ATTENDANCE

Committee Chair:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present

Committee Members:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
Jeffrey Goodwin	Veterinarian	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present

Alternate Members:

Name	Role(s)	Attendance Status	Substituting For
[REDACTED]	Veterinarian	Absent	
[REDACTED]	Veterinarian	Absent	
[REDACTED]	Veterinarian	Present	Goodwin until arrival at 3PM

Staff:

Name	Attendance Status
[REDACTED]	Present

Name	Attendance Status
	Present
	Present
	Present
	Present
	Present

QUORUM INFORMATION

Number of IACUC members on the roster: 14

Number required for quorum: 8

All members present by teleconference received all pertinent material before the meeting and were able to actively and equally participate in all discussions.

MEETING MINUTES

The February 14, 2022 meeting minutes were not finalized in time for review at the current meeting, but will be available at the March 14, 2022 meeting.

No vote.

DISCUSSION ITEMS

1. Vet Report: [REDACTED] (Species: Pig)

Under this protocol, some animals undergo a vagal stimulator implant surgery. Studies with four animals have helped the team narrow down the paradigm necessary to conduct the study despite inconsistent electrode life. Once the electrode fails, animals may continue down another arm of the study. The DLAM veterinarians request that the protocol be updated to clarify the expected lifespan of the electrode and how an animal might be reassigned to another arm of the protocol if their electrode fails. The research team is planning to conduct regular meetings with the DLAM veterinary care staff to improve communication and clarify research activities.

[REDACTED] summarized the events from the research team's perspective and expressed that [REDACTED] was glad the vets shared their concern although communication between the teams could be improved. A suggestion was made to encourage more discussions between the research team and DLAM on how the animals are being used and what information is being obtained.

The ARC was not asked to take any action; the veterinary report was for information only.
No vote.

JG joined the meeting at 3PM and became the voting member.

[REDACTED] left the meeting at 3:10PM, reducing the quorum to 13 voting members.

REVIEW OF SUBMISSIONS

Species:	Mouse
Conflicts:	none

[REDACTED]	
Species:	Mouse
Conflicts:	none

[REDACTED]	
Species:	Mouse, Rat
Conflicts:	none

[REDACTED]	
Species:	Mouse
Conflicts:	none

[REDACTED]	
Species:	Pig
Conflicts:	none
Comments:	<p>This protocol was previously reviewed at the May 10, 2021. Due to the amount of time that had elapsed since that review, the PI's response to correspondence and protocol updates were returned to the full committee for re-review.</p> <p>The primary reviewer did not receive the assignment in advance of the meeting, but will submit comments.</p> <p>OK for DMR subsequent to FCR with [REDACTED] [REDACTED] and a veterinarian.</p>

[REDACTED]	
Species:	Rat
Conflicts:	none

[REDACTED]	
Species:	Mouse
Conflicts:	none

[REDACTED]	
Species:	Mouse
Conflicts:	none

[REDACTED]	
Species:	Rat
Conflicts:	none

[REDACTED]	
Species:	Mouse
Conflicts:	none

[REDACTED]

Species:	Pig
Conflicts:	none

Species:	Mouse
Conflicts:	none

Unless otherwise specified in these minutes, further review of the above protocols will be conducted using DMR subsequent to FCR with a review of PI responses to the ARC's questions and requests designated to the Chair or Vice-Chair in accordance with UCLA's Animal Welfare Assurance. A vote to proceed as discussed passed unanimously (13 yes, 0 no, 0 abstain).

■ left the meeting from 4-4:30PM, but not votes occurred during that time.

DISCUSSION ITEMS

1. ARC Policy Review – Reporting and Investigating Allegations

This item was tabled due to time during the February 14, 2022 meeting. Due to limited time, the members again tabled discussion, but noted that they had wanted to consider adding text to address investigations that involved ARC members.

No vote.

SEMIANNUAL INSPECTIONS

The January facility inspection reports were not finalized in time for review at the current meeting, but will be available at the March 14, 2022 meeting.

No vote.

CONTINUING EDUCATION FOR ARC MEMBERS

None

CHAIR/VET/RS&AW NEWS AND REPORTS

1. Vet Report: ■ (Species: Mouse)

The members discussed a DLAM veterinary report in which researchers working under the above-referenced protocol recently requested to maintain a cohort of mice with ulcerated tumors, despite tumor ulceration being a criterion for premature euthanasia in the protocol. The ARC Chair granted an exception to continue following these mice under the condition that researchers work closely with the DLAM veterinary team and provide appropriate analgesic therapy as directed by DLAM. After a few days and continued health case reports, one of the researchers questioned the veterinarian's order to euthanize, leading the veterinarian to question whether that individual required additional training to assess pain and distress in mice. It was noted that this was the first time this group had performed the experiment.

The members requested that a letter be sent to the PI, summarizing the events of this case and emphasizing the ultimate authority of the DLAM veterinary staff to require euthanasia. The PI will be directed to schedule a meeting with ■ and a member of the ARC administrative office, to be attended by all personnel who work with mice, to discuss this last experiment and lessons learned, identification of sick mice, and to review ARC policies. Following the

meeting, the PI's response to this incident will be reviewed by the Chair and the veterinarian. A motion to proceed as discussed passed unanimously (13 yes, 0 no, 0 abstain).

2. Vet Report: [REDACTED] (Species: Mouse)

The Chair updated the members on the status of the letter they requested be sent to the PI at the February 14, 2022 meeting. The PI and lab manager met with veterinarian [REDACTED] on February 25, 2022 and discussed a scoring rubric for initiation of the 48-hour monitoring period prior to euthanasia. With this meeting having taken place, the letter will be slightly modified to also address application of the scoring rubric and further updates to the protocol. No vote.

3. Rattlesnake Workshop

The EH&S Field Safety Specialist recently contacted the [REDACTED] RSAW to inquire about whether ARC approval or oversight was required for a proposed rattlesnake workshop to be held on campus. The purpose of the workshop is to train individuals who work in field settings on how to avoid, behave, and safely move a rattlesnake if one is encountered during the course of field activities. The trainer for the workshop is a former DLAM staff member and reptile expert who has conducted this workshop recently at [REDACTED]

The members questioned whether attendees would handle snakes and inquired about potential injury to the snakes caused by attendees. They asked that these questions be sent to the Field Safety Specialist, emphasizing that UCLA field researchers should not handle live snakes, even with tongs; responses will be evaluated by the Chair and AV. A vote to proceed as discussed passed unanimously (13 yes, 0 no, 0 abstain).

4. Study Area Visits

[REDACTED] provided the members with an update on the program by which study areas are visited by DLAM staff. After the 2014 AAALAC site visit, DLAM created a FTE position specifically responsible for oversight of PI-managed housing areas. Over time, other division priorities resulted in regular study area visits being reassigned to one of the clinical veterinarians, [REDACTED]. Shortly after this reassignment, the pandemic hit and very few animals were maintained in study areas, leading [REDACTED] to develop a system by which researchers responsible for study areas outside of the DLAM footprint contact [REDACTED] when planning survival surgeries so that veterinary visits to the study area can be planned for the post-operative recovery period. Study areas that are within the DLAM footprint are visited once/month as part of normal DLAM operations. The bat study area is visited every other month, with [REDACTED] contacting the PI for updates during off months. Fish rooms are not currently being visited outside of ARC inspections.

The members had no questions about the changes implemented and requested no action. No vote.

5. Authorized Staff for review of personnel and locations changes

The members voted unanimously (13 yes, 0 no, 0 abstain) to allow new [REDACTED] [REDACTED] to perform administrative review of non-significant changes involving personnel and locations.

6. Multi-modal Analgesia

The Chair informed the members of recent veterinary discussions regarding multimodal analgesia and a concern that changes to analgesic regimen described in ARC approved standard procedures were being requested of PIs by veterinarians in pre-review and in DMR without prior ARC discussion. The members had a robust discussion about the analgesia approved for survival surgeries involving intracranial injections in rodents, which is currently limited to a local analgesic and carprofen. It was noted that covered species subjected to intracranial injections are provided multimodal analgesia that also includes an opioid, and the question of whether this should be extended to rodents was discussed. The members discussed variability in how intracranial injections are performed, complexity of the procedure, and related training. The veterinary staff has sought out research teams that perform intracranial injections so that they can observe post-operative pain and recovery in rodents that have received the standard analgesic regimen. While the vets are making these observations, the Chair requested that they hold off on making sweeping changes to their recommendations for multimodal analgesia until a larger discussion with the ARC can take place.

No vote.

With no additional committee business or questions, the meeting was adjourned.

END OF MEETING MINUTES

MEETING MINUTES
 Chancellor's Animal Research Committee
 March 14, 2022

GENERAL MEETING INFORMATION

Meeting start time: 2:30 PM
Meeting end time: 4:20 PM
Meeting chaired by: [REDACTED]
Minutes prepared by: ARC Administrative Staff / approved 3/28/2022

ATTENDANCE

Committee Chair:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present

Committee Members:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Absent
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
Jeffrey Goodwin	Veterinarian	Absent
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present

Alternate Members:

Name	Role(s)	Attendance Status	Substituting For
[REDACTED]	Veterinarian	Present	Jeffrey Goodwin
[REDACTED]	Veterinarian	Absent	
[REDACTED]	Veterinarian	Present	NA

Staff:

Name	Attendance Status
[REDACTED]	Present

Name	Attendance Status
	Present
	Present
	Present
	Absent
	Present
	Absent

QUORUM INFORMATION

Number of IACUC members on the roster: 14

Number required for quorum: 8

All members present by teleconference received all pertinent material before the meeting and were able to actively and equally participate in all discussions.

GUEST NAMES

MEETING MINUTES

Draft minutes for the February 14, 2022 and February 28, 2022 meetings were presented for approval. The members were informed that minor revisions were made to the draft minutes to clarify the discussion and make it more concise, while retaining the required content for documentation purposes. A vote to proceed as discussed passed 12 yes, 0 no, 0 abstain.

arrived after the vote on the minutes, increasing the voting members present to 13.

REVIEW OF SUBMISSIONS

New Protocols (2)

Species:	Mouse
Conflicts:	none

Species:	Mouse
Conflicts:	none
Comments:	The assigned veterinary reviewer was not present at the meeting, but will provide comments after the meeting.

Triennial Reviews (2)

Species:	Guinea Pig, Mouse
Conflicts:	none

[REDACTED]	
Species:	Mouse, Rat
Conflicts:	none

Amendments (8)

[REDACTED]	
Species:	Mouse
Conflicts:	none
Comments:	The assigned veterinary reviewer was not present at the meeting, but will provide comments after the meeting.

[REDACTED]	
Species:	Pig
Conflicts:	[REDACTED] was recused from the discussion due to a conflict of interest.

[REDACTED]	
Species:	Mouse, Rat
Conflicts:	none

[REDACTED]	
Species:	Pig
Conflicts:	none

[REDACTED]	
Species:	Pig
Conflicts:	[REDACTED] was recused from the discussion due to a conflict of interest.

[REDACTED]	
Species:	Pig
Conflicts:	none

[REDACTED]	
Species:	Mouse
Conflicts:	none
Comments:	The assigned veterinary reviewer was not present at the meeting, but will provide comments after the meeting.

[REDACTED]	
Species:	Rabbit
Conflicts:	none

Unless otherwise specified in these minutes, further review of the above protocols will be conducted using DMR subsequent to FCR with a review of PI responses to the ARC's questions and requests designated to the Chair or Vice-Chair in accordance with UCLA's Animal Welfare Assurance. A vote to proceed as discussed passed unanimously (13 yes, 0 no, 0 abstain, except for [REDACTED] and [REDACTED], which

passed 12 yes, 0 no, 0 abstain due to the above-mentioned recusals).

DISCUSSION ITEMS

1. Vet report: [REDACTED] (Species: Mouse)

Since the beginning of 2022, the lab has failed to respond to multiple health cases under this protocol. The ARC requested a letter be sent to remind the PI of their responsibility to address health cases. The letter will emphasize the importance of ensuring correct contact information is posted on cage cards so the correct individual(s) receive health case reports. The PI's response will be returned to the chair for review.

The members voted unanimously to proceed as discussed: 13 yes, 0 no, 0 abstain.

2. Vet report: [REDACTED] (Species: Mouse)

On March 1, 2022, DLAM identified eight cages of diabetic mice in the [REDACTED] vivarium with blue "Investigator Will..." special instruction cards that appeared to have not been changed or checked since February 18, 2022. [REDACTED] reached out to the lab the same day to request information; lacking any response, [REDACTED] reached out again on March 3, 2022. In response to that communication, the PI replied to the recipient group on the email, directing that cage cards be updated. Following the PI's email, a lab member contacted [REDACTED] to discuss the status of the animals.

The members were informed that this was not the first instance in which animals associated with this research group and housed in this location had been found with low/no food or water and needing changing while posted with "Investigator Will..." special instruction cards. The ARC discussed the PI's ability to directly oversee the research and questioned whether another individual, selected by the current PI, may be more suited to serve as protocol PI and provide more direct and immediate oversight. The committee voted unanimously (13 yes, 0 no, 0 abstain) to send a letter to the PI summarizing their concerns about the lab's oversight of animals when special instruction cards are used and suggesting that another PI be considered. The PI's response will be brought back to the full committee for further discussion.

3. Vet report: [REDACTED] (Species: Mouse)

While discussing post-operative health cases with the surgeon, it was identified that the analgesic regimen described in the protocol had not been followed for 20 mice. The lab was amenable to implementing minor changes to ensure that the analgesics described in the protocol were administered on schedule to afford maximum pain relief. The ARC requested a letter be sent to the PI to express their appreciation for the course of action and to identify whether the animals in question were on NIH-funded experiments; if yes, a report to OLAW will be filed to document the protocol departure.

The PI's response will be returned to the chair for review.

The members voted unanimously to proceed as discussed: 13 yes, 0 no, 0 abstain.

SEMIANNUAL INSPECTIONS

The January 2022 Laboratory Inspection report includes statements about pending issues that will be resolved prior to finalizing the report. The members had no other questions or comments.

The date on the January 2022 Vivarium Inspection report was incorrect and will be updated. The members had no other questions or comments.

The Chair will review and sign off on any remaining pending inspection findings. A vote to approve both reports as discussed passed unanimously: 13 yes, 0 no, 0 abstain.

CONTINUING EDUCATION FOR ARC MEMBERS

None

CHAIR/VET/RS&AW NEWS AND REPORTS

1. DLAM/ARC/Lab Meeting, [REDACTED] (Species: Mouse) - Update
[REDACTED] and [REDACTED] met with the PI, lab manager, and all animal users the morning of March 14, as requested by the ARC, to review criteria for monitoring animals on their protocol, general sick mouse signs, how to access the ARC protocol, what information is available in the protocol, and ARC policies. The meeting attendees were engaged and asked questions.

With no additional committee business or questions, the meeting was adjourned.

END OF MEETING MINUTES

MEETING MINUTES
Chancellor's Animal Research Committee
March 28, 2022

GENERAL MEETING INFORMATION

Meeting start time: 3/28/2022 2:30 PM
 Meeting end time: 3/28/2022 4:00 PM
 Meeting chaired by: [REDACTED]
 Minutes prepared by: ARC Administrative Staff / approved 4/11/2022

ATTENDANCE

Committee Chair:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Absent

Committee Members:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
Jeffrey Goodwin	Veterinarian	Present
[REDACTED]	Scientist	Absent
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Absent
[REDACTED]	Scientist	Absent

Alternate Members:

Name	Role(s)	Attendance Status	Comments
[REDACTED]	Veterinarian	Present	
[REDACTED]	Veterinarian	Present	Attended to discuss [REDACTED] only
[REDACTED]	Veterinarian	Present	

Staff:

Name	Attendance Status
[REDACTED]	Present

Name	Attendance Status
	Present
	Absent
	Present
	Present

QUORUM INFORMATION

Number of IACUC members on the roster: 14

Number required for quorum: 8

All members present by teleconference received all pertinent material before the meeting and were able to actively and equally participate in all discussions.

MEETING MINUTES

The members had no comments on the draft minutes for the March 14, 2022 meeting and voted unanimously for approval: 10 yes, 0 no, 0 abstain.

REVIEW OF SUBMISSIONS

New Protocols (1)

Species:	Mouse
Conflicts:	none
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. This study seeks information to develop agonists as a potential line of therapy for visceral pain in Irritable Bowel Syndrome. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.

Triennial Reviews (2)

Species:	Pig
Conflicts:	none
Comments:	This protocol was previously reviewed at the 5/10/2021 ARC meeting, at which the ARC determined that modifications were required prior to approval. Due to the amount of time that elapsed between that review and when the PI resubmitted, the submission was returned to the full Committee for re-review.

Species:	Rat
Conflicts:	none
Comments:	The members discussed the potential for the animals to experience more

	than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. This study represents a novel treatment strategy that, if successful, may provide relief for millions of people world-wide who do not have adequate seizure control. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.
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Amendments (4)

Species:	Mouse, Rat
Conflicts:	none

Species:	Mouse
Conflicts:	none

Species:	Mouse
Conflicts:	none
Comments:	This protocol and [REDACTED] were discussed at the same time, and in the context of the vet report under the Discussion Items. It was recommended that the 48-hr window for the scoring rubric be reconsidered, as the scores and required action alone appear to be sufficient.

Species:	Mouse
Conflicts:	none
Comments:	See comments for [REDACTED].

Unless otherwise specified in these minutes, further review of the above protocols will be conducted using DMR subsequent to FCR with a review of PI responses to the ARC's questions and requests designated to the Chair or Vice-Chair in accordance with UCLA's Animal Welfare Assurance. A vote to proceed as discussed passed unanimously: 10 yes, 0 no, 0 abstain.

DISCUSSION ITEMS**1. Vet Report: [REDACTED] (Species: Mouse) – update**

Following discussion of the related amendments identified above, the members requested that a letter be sent to the PI, expressing appreciation for the response and for working with the DLAM veterinary staff as requested. The letter will request that the PI provide an update regarding how the scoring rubric is working after the next two studies. The DLAM veterinary staff will evaluate animals on study in tandem with the research team; as such, the PI should contact DLAM before starting the next study. The PI's report will be returned to the committee for discussion at a future meeting.

The members voted unanimously to proceed as discussed: 10 yes, 0 no, 0 abstain.

2. Vet Report: Unattended euthanasia (Species: Mouse)

On March 12, 2022, DLAM staff found a cage of two mice that had been euthanized and left unattended in a [REDACTED] procedure room. The lid of the CO2 chamber was attached to the top of the cage, but the CO2 had been turned off. The animals were traced back to one lab and the responsible researcher apologized for becoming distracted after having left the room following euthanasia to retrieve a carcass bag.

The members voted unanimously (10 yes, 0 no, 0 abstain) to send a letter to the researcher's PI, emphasizing the need to be fully prepared when performing euthanasia.

CONTINUING EDUCATION FOR ARC MEMBERS

Members were reminded of a webinar on March 30, 2022: Current Practices for the Use of Analgesics in Laboratory Animal Medicine.

CHAIR/VET/RS&AW NEWS AND REPORTS

Volunteers were requested to review Spring 2022 3Rs proposals. [REDACTED] [REDACTED] and [REDACTED] volunteered.

With no additional committee business or questions, the meeting was adjourned.

END OF MEETING MINUTES

MEETING MINUTES
Chancellor's Animal Research Committee
April 11, 2022

GENERAL MEETING INFORMATION

Meeting start time: 2:30 PM
Meeting end time: 4:50 PM
Meeting chaired by: [REDACTED]
Minutes prepared by: ARC Administrative Staff / approved 4/25/2022

ATTENDANCE

Committee Chair:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Absent

Committee Members:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Absent
[REDACTED]	Scientist	Absent
Jeffrey Goodwin	Veterinarian	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Absent
[REDACTED]	Scientist	Absent

Alternate Members:

Name	Role(s)	Attendance Status	Substituting For
[REDACTED]	Veterinarian	Present	NA
[REDACTED]	Veterinarian	Absent	
[REDACTED]	Veterinarian	Absent	

Staff:

Name	Attendance Status
[REDACTED]	Present

Name	Attendance Status
	Present
	Present
	Present
	Present

QUORUM INFORMATION

Number of IACUC members on the roster: 14

Number required for quorum: 8

All members present by teleconference received all pertinent material before the meeting and were able to actively and equally participate in all discussions.

GUEST NAMES

None

MEETING MINUTES

The members had no comments on the draft minutes for the March 28, 2022 meeting and voted unanimously for approval: 9 yes, 0 no, 0 abstain.

DISCUSSION ITEM

The members were informed that the Chair's absence from Committee business may be longer than originally anticipated and, consequently, they were asked to support the following changes to the review process, on a temporary basis:

1. FCRs that require modifications

The Vice Chair who leads the meeting will still review correspondence before it is sent to the PI, but the primary reviewer from the meeting at which the protocol is reviewed will serve as the designated member reviewer subsequent to the full committee review (i.e., will review the responses to correspondence on behalf of the ARC).

2. DMRs

Upon completion of the grace period, at least one member qualified to perform the review will be assigned by the Vice Chair to conduct the designated member review (DMR). Instructions for the DMR workflow will be provided to the members.

The members voted unanimously (9 yes, 0 no, 0 abstain) to implement the above updates to the full committee and designated member review processes for the next month, and to reconsider at the first meeting in May if needed.

REVIEW OF SUBMISSIONS

New Protocols (3)

Triennial Reviews (4)

Amendments (1)

█ was moved to the waiting room due to a conflict with the following two protocols.

Species:	Pig
Conflicts:	█ did not participate in the discussion or vote due to a conflict of interest.
Comments:	The primary and veterinary reviewers provided written comments in advance of the meeting; these were shared with the members during the discussion.

Species:	Pig
Conflicts:	█ did not participate in the discussion or vote due to a conflict of interest.
Comments:	The veterinary reviewer provided written comments in advance of the meeting; these were shared with the members during the discussion.

Further review of the above protocols will be conducted using DMR subsequent to FCR with a review of PI responses to the ARC's questions and requests designated to the primary reviewers, as discussed at this meeting. A vote to proceed as discussed passed unanimously: 8 yes, 0 no, 0 abstain.

█ returned to the meeting after the vote.

Species:	Rabbit
Conflicts:	none
Comments:	The primary and veterinary reviewers provided written comments in advance of the meeting; these were shared with the members during the discussion.

Species:	Rat
Conflicts:	none
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. The results from these studies will inform the development of a more realistic traumatic brain injury model with potentially enhanced clinical relevance, reproducibility, and sustained nature of chronic post-traumatic outcomes. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including

	animals that may experience unrelieved pain or distress.
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Species:	Mouse, Rat
Conflicts:	none

Species:	Dog
Conflicts:	none
Comments:	This TR was initially reviewed at the February 14, 2022 ARC meeting and was returned to the full committee for further discussion of the species justification following a meeting of the PI and the DLAM veterinary staff.

Species:	Mouse
Conflicts:	none
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. This study could offer new biomarkers for detecting and distinguishing between Ulcerative colitis and Crohn's disease, and this knowledge could lead to new therapeutic interventions against chronic inflammatory diseases. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.

Species:	Mouse
Conflicts:	none
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. These studies will provide a framework for understanding the neural circuits that control distinct behavioral choices, with implications for their perturbation in neuropsychiatric disorders. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.

Unless otherwise specified in these minutes, further review of the above protocols will be conducted using DMR subsequent to FCR with a review of PI responses to the ARC's questions and requests designated to the primary reviewers, as discussed at this meeting. A vote to proceed as discussed passed unanimously (9 yes, 0 no, 0 abstain).

DISCUSSION ITEMS

1. Self-Report: Missed Check, [REDACTED] (Species: Mouse)

A researcher working under the above-referenced protocol self-reported an incident that occurred in March 2022, in which clinical duties precluded him from monitoring mice in an experiment from Friday AM to Sunday PM, during which time, three mice died unexpectedly. The researcher provided a plan to prevent recurrence of this incident by using a lower dose of drug in future experiments and communicating with DLAM technical services in advance when [REDACTED] expects to be short-staffed and unable to check animals because of clinical responsibilities.

The ARC will send a letter to the researcher's PI to acknowledge the self-report, reinforce the need to check animals daily and communicate with DLAM, and clarify the reported duration of the missed check. Review of the PI's response will be delegated to Vice Chair [REDACTED]

The members voted unanimously to proceed as discussed: 9 yes, 0 no, 0 abstain.

2. Unapproved Housing in [REDACTED] (Species: Mouse)

The members were informed that a PI was housing mice in another PI's approved study area prior to obtaining ARC approval to do so. On March 11, 2022, DLAM records showed 15 cages of mice in [REDACTED] associated with this PI: one under [REDACTED], 11 under [REDACTED], and three under [REDACTED]. The PI has eight approved protocols, none of which include this location. Upon inquiry from the ARC administrative staff, a researcher working with the PI indicated that a new protocol had recently been submitted that included this location, and that the lab would stop using [REDACTED] until ARC approval had been obtained.

The ARC will send a letter to the PI, requesting that [REDACTED] explain why animals were housed in this location prior to ARC approval and describe actions that will be taken to ensure this does not happen again. Review of the PI's response will be delegated to Vice Chair [REDACTED] and [REDACTED]

The members voted unanimously to proceed as discussed: 9 yes, 0 no, 0 abstain.

3. Vet Report: Live mice found in [REDACTED] Cage wash

DLAM self-reported two instances of mice found in the [REDACTED] cage wash in March 2022. Investigations were able to identify the cause of one incident (new technician, not following spot-changing SOP); however, a definitive cause for the second case could not be confirmed. Corrective actions to prevent recurrence were described in the report.

The ARC will send a letter to the Attending Veterinarian to acknowledge the self-report and proposed corrective actions, and requesting a commitment to supporting those measures, including timely updating of the DLAM spot-changing SOP. Review of the PI's response will be delegated to Vice Chair [REDACTED]

The members voted unanimously to proceed as discussed: 9 yes, 0 no, 0 abstain.

4. Vet Report: No Response to Health Case, [REDACTED] (Species: Mouse)

The members discussed a report prompted by two DLAM health cases sent out on March 30, 2022, which received no response or indication of treatment and for which the mice were

found dead the following day. The report noted that the lab had generally been doing well responding to health cases over the last six months, but that there had been some cases that had gone unaddressed.

The ARC will send a letter to the PI to emphasize the importance of addressing DLAM health cases in a timely manner and with clear communication about plans to treat or euthanize. The PI will be encouraged to accept an invitation from [REDACTED] for an educational lab meeting. Review of the PI's response will be delegated to Vice Chair [REDACTED] and [REDACTED].

The members voted unanimously to proceed as discussed: 9 yes, 0 no, 0 abstain.

SEMIANNUAL INSPECTIONS

1. February 2022 Vivarium Inspection Report

Two items on the report were identified as pending; these will be resolved prior to completing the report. The members had no questions.

2. February 2022 Laboratory Inspection Report

[REDACTED] (Species: Mouse) – minor and significant deficiencies were identified in this PI-managed survival surgery and research area during the February 8, 2022 inspection. The members accepted the corrective actions and had no further questions.

A vote to approve the laboratory and vivarium reports passed unanimously: 9 yes, 0 no, 0 abstain.

CONTINUING EDUCATION FOR ARC MEMBERS

None

CHAIR/VET/RS&AW NEWS AND REPORTS

1. PI Response Regarding Acclimation, [REDACTED] (Species: Mouse)

The ARC initially reviewed this protocol at the March 28, 2022 meeting and requested the PI acclimate animals to restraint, unless justification for not doing so could be provided. The AV requested that the committee discuss the PI's response, as it was based largely on their experience, which suggested that animals that undergo an acclimation process prior to colorectal distension show greater stress during the procedure than those that are not acclimated.

The members invited the PI to attend the next ARC meeting to discuss this further. In the meantime, data that the PI provided regarding the impact of acclimation will be distributed to the ARC. No vote.

2. Cranial Window Surgery Analgesia, [REDACTED] (Species: Mouse)

During the recent triennial review of [REDACTED], the PI was asked whether buprenorphine could be added to the analgesic regimen for animals undergoing intra-cranial

surgeries; the PI agreed and the protocol was approved. Following approval, the PI suggested that [REDACTED] had been rushed to obtain ARC approval due to the concurrent ACURO review, associated with [REDACTED] DOD funding, and that buprenorphine was not needed. The PI will submit an amendment to remove the use of buprenorphine and invited the ARC to observe a cranial window surgery conducted by a member of [REDACTED] lab to learn more about the procedure. The members noted that it was not necessary to observe the surgery, and that the post-operative period was the relevant period for observations.

The PI will be reminded to follow [REDACTED] protocol as currently written regarding the post-operative analgesic regimen unless ARC approval for modification is granted. No vote.

3. Expired Breeding Protocol, [REDACTED] (Species: Mouse)

The members discussed a report that this lab continued to work with mice under [REDACTED] after the March 7, 2022 protocol expiration and despite emails sent by the ARC administrative staff on March 24 and 30, 2022 regarding the need to obtain continuing approval for the protocol. After attempts to contact the PI went unanswered, the department chair was contacted and confirmed that the PI had received the notices and would respond promptly; the PI replied two days later.

The members questioned why reminders from RATS and subsequent emails from the ARC administrative staff went unaddressed, and why the PI allowed breeding and associated animal activities to continue past the March 7, 2022 protocol expiration. The PI's experimental protocol expired in July 2021 and has not been re-approved, thus raising the question of why the lab has continued to breed animals for so many months.

The ARC will send a letter to the PI, with copy to the department chair, to seek more information about why animal activities were allowed to continue after protocol expiration, noting that this is a serious noncompliance that may be reportable to OLAW if related to NIH-funded experiments. The PI will be asked to provide a corrective action plan to prevent recurrence. Meanwhile, DLAM will be asked to take control of animals. The PI's response will be returned to the full committee for further discussion.

The members voted unanimously to proceed as discussed: 9 yes, 0 no, 0 abstain.

[REDACTED] left the meeting after this discussion, reducing the number of voting members present to 8.

4. Vet report: [REDACTED] (Species: Mouse) – update

At the March 14, 2022 meeting, the ARC discussed DLAM concerns about a lack of response/action on health cases in [REDACTED] associated with the above-referenced protocol. The PI was sent a letter on March 22, 2022 that asked [REDACTED] to consider assigning [REDACTED] protocol(s) to another individual, noting that "If you elect to remain as PI, but are unable to properly oversee the experiments, further recurrence of such issues could result in protocol suspension." On April 4, 2022, [REDACTED] emailed the PI and lab about three more found-dead notices for mice in [REDACTED] one of which was a health case from the prior week that did not receive any treatment from the lab over the weekend. The PI had not yet replied to the March 22 ARC letter and was sent a reminder to address that letter and [REDACTED] email. Per the Chair's

request, the PI was informed that "...if a response to the letter is not received by the end of this week, the committee may have to seriously consider suspending activities at the next meeting (April 11) until these matters are resolved."

By the time of the ARC meeting, the PI had not replied to the March 22 letter, [REDACTED] April 4 email, nor to the April 5 communication from the ARC staff. Consequently, the members voted unanimously (8 yes, 0 no, 0 abstain) to suspend all animal activities related to the protocols associated with the health cases identified in the April 4 email: [REDACTED] and [REDACTED]. The PI will receive a letter informing [REDACTED] of the suspension and that DLAM will assuming control of any animals currently on study. Because both protocols include NIH funding, a preliminary report will be called in to OLAW. The PI will have an opportunity to address the ARC's concerns and request a reversal of the suspension at the next convened meeting.

With no additional committee business or questions, the meeting was adjourned.

END OF MEETING MINUTES

MEETING MINUTES
 Chancellor's Animal Research Committee
 April 25, 2022

GENERAL MEETING INFORMATION

Meeting start time: 4/25/2022 2:30 PM
Meeting end time: 4/25/2022 5:00 PM
Meeting chaired by: [REDACTED]
Minutes prepared by: ARC Administrative Staff / approved 5/9/2022

ATTENDANCE

Committee Chair:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present, but did not Chair meeting

Committee Members:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
Jeffrey Goodwin	Veterinarian	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Absent
[REDACTED]	Scientist	Absent
[REDACTED]	Scientist	Present

Alternate Members:

Name	Role(s)	Attendance Status	Substituting For
[REDACTED]	Veterinarian	Present	NA
[REDACTED]	Veterinarian	Present	NA
[REDACTED]	Veterinarian	Present	NA

Staff:

Name	Attendance Status
[REDACTED]	Present

Name	Attendance Status
	Present
	Present
	Present
	Present

QUORUM INFORMATION

Number of IACUC members on the roster: 14

Number required for quorum: 8

All members present by teleconference received all pertinent material before the meeting and were able to actively and equally participate in all discussions.

GUEST NAMES

1. [REDACTED] PhD, and [REDACTED] (student)
2. [REDACTED], PhD

1. Protocol Suspension, [REDACTED] and [REDACTED] (Species: Mouse)

At the April 11, 2022 ARC meeting, the members voted unanimously to suspend animal activities related to protocols for which previously reported health cases and ARC communications had gone unanswered by the PI.¹ The PI was informed of the suspension and that a preliminary report would be filed with OLAW. Upon receipt of the letter of suspension, the PI communicated with DLAM regarding continued care of the animals and requested an opportunity to speak with the committee to address the concerns that prompted the suspension.

In a letter sent to the ARC on April 15, 2022, the PI explained how [REDACTED] became the PI of record for these protocols in 2021, after the original PI left UCLA; provided detailed information regarding how health cases mentioned in the two ARC letters had been addressed; and described actions that would be implemented to address ARC concerns. At the April 25 meeting, the PI explained to the ARC that [REDACTED] had missed the March 22, 2022 letter requesting that [REDACTED] consider whether another individual should be assigned PI of [REDACTED] protocols due to concerns about oversight. The PI accepted responsibility for this oversight and expressed a willingness to implement corrective actions as described in [REDACTED] April 15 response.

The ARC Chair encouraged the PI to consider whether there is another senior member of [REDACTED] laboratory who could be assigned to oversee activities under these two protocols. The Chair further noted that the committee will be very closely watching the PI and these protocols, and that it's very important that sustained improvement be implemented.

[REDACTED] left the meeting at 2:50 PM.

The members discussed the need for the PI to develop a concrete plan with a hierarchy of

¹ Refer to April 11, 2022 ARC Meeting minutes for more information.

command to manage direct oversight for these protocols. They further discussed whether a new PI should be assigned. The ARC ultimately determined that corrective actions described in the April 15 letter demonstrated a commitment to addressing the concerns that caused the suspension.

The members voted unanimously (12 yes, 0 no, 0 abstain) to lift the suspension. A letter will be sent to the PI to inform [REDACTED] of the lifted suspension and to request a plan as described above; the PI will also be asked to address the inquiry raised in the March 22 letter regarding whether another individual should be appointed as PI.

[REDACTED] *joined the meeting at 3:15 PM.*

2. PI Response Regarding Acclimation. [REDACTED] (Species: Mouse)

At the April 11, 2022 meeting, the members discussed the PI's response to an ARC request to acclimate mice to restraint for a colonic distension procedure. At the conclusion of that meeting, the ARC issued an invitation to the PI to attend this meeting to provide information and address member questions about the procedure and impact of acclimation on stress levels.

The PI described their lab's experience with visceral pain assessments in mice and rats and how, unlike rats, mice appear to be detrimentally impacted by acclimation efforts. [REDACTED] reported that [REDACTED] had previously observed mice undergoing the procedure several years ago and they did not appear to be stressed. The PI expressed concern about the ability to compare new data to prior data if an acclimation procedure is required for mice, and expressed openness to discuss and feedback.

[REDACTED] *left the meeting at 3:15 PM.*

The members questioned whether it would be possible to differentiate struggling during restraint due to pain response versus restraint response, but noted that the PI's criteria for removing animals from the restraint device were good.

With no further concerns about this procedure under this protocol, the members voted unanimously (12 yes, 0 no, 0 abstain) to approve the procedure as written.

MEETING MINUTES

The members had no substantive comments on the draft minutes for the April 11, 2022 meeting and voted unanimously for approval: 12 yes, 0 no, 0 abstain.

REVIEW OF SUBMISSIONS

New Protocols (1)

Triennial Reviews (2)

Amendments (4)

Species:	Sheep
Conflicts:	none

Species:	Mouse
Conflicts:	did not participate in the discussion or vote due to a conflict of interest.

left the meeting at 3:50 PM; this did not impact quorum.

Species:	Mouse
Conflicts:	none
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. Experiments may elucidate the mechanistic basis of pancreatitis and lead to the development of preclinical models of pancreatitis suitable for therapeutic drug testing. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.

Species:	Mouse
Conflicts:	none

Species:	Mouse, Rat
Conflicts:	none

Species:	Mouse
Conflicts:	none
Comments:	The primary reviewer did not attend the meeting, but submitted their review and comments within the protocol smartform. This amendment was submitted to close out prior ARC discussions about endpoint criteria initially brought to the ARC in September 2020 and last discussed at the May 24, 2021 ARC meeting.

Species:	Rabbit
Conflicts:	is listed as personnel, but had already left the meeting.

Unless otherwise specified in these minutes, further review of the above protocols will be conducted using DMR subsequent to FCR with a review of PI responses to the ARC's questions and requests designated to the primary reviewers. A vote to proceed as discussed passed

unanimously (12 yes, 0 no, 0 abstain, except for [REDACTED] which was 11 yes, 0 no, 0 abstain due to the aforementioned recusal).

DISCUSSION ITEMS

1. Vet Report: Health cases without response (Species: Mouse)

The members discussed a report from [REDACTED] regarding three recent notices of mice euthanized due to lack of response, which prompted a review of health cases for the research group going back to January 1, 2022. [REDACTED] expressed concern about the number of cases with no response from laboratory personnel and that these cases appear to be increasing in frequency. The PI's preliminary corrective action plan included a review of the importance of responding to health notifications with lab members and updating email lists for DLAM notifications.

The ARC will send a letter to the PI to emphasize the importance of addressing DLAM health cases in a timely manner and with clear communication about plans to treat or euthanize. The PI will be invited to an educational meeting with [REDACTED] and a member of the ARC administrative team. Review of the PI's response will be delegated to Vice Chair [REDACTED] and [REDACTED].

The members voted unanimously to proceed as discussed: 12 yes, 0 no, 0 abstain.

SEMIANNUAL INSPECTIONS

1. March 2022 Vivarium Inspection Report

The members had no questions or comments about the report.

2. March 2022 Laboratory Inspection Report

[REDACTED] (Species: Mouse) – the members questioned the PI's continued use of this survival surgery room for housing. The members voted unanimously (12 yes, 0 no, 0 abstain) to send a letter to the PI requesting stronger justification for keeping animals in the location for >24 hours post-operatively; the PI's response will be delegated to Vice Chair [REDACTED] and [REDACTED].

3. March 2022 Research Area Inspection Report

The members had no questions or comments about the report.

4. April 1, 2022 Inspection: [REDACTED]

The members were informed that a virtual inspection was performed to establish that this location could be approved as a new vivarium housing room for rats.

Information and corrective actions that are pending as of the date of this meeting will be reviewed and approved by the Chair prior to finalizing inspection reports and sending to the IO. The members voted unanimously to approve all inspection reports: 12 yes, 0 no, 0 abstain.

CONTINUING EDUCATION FOR ARC MEMBERS

None

CHAIR/VET/RS&AW NEWS AND REPORTS1. SAM Doc Sub-Committee

The members were reminded that several years ago, the ARC established a sub-committee to review and approve Study Area Management documents (SAM Docs) for investigators that house animals in ARC-approved study areas. Membership on this sub-committee consists of Vice Chair [REDACTED] and the [REDACTED]. With the latter's March 2022 departure from UCLA, the members confirmed they are satisfied with the operation of this subcommittee and voted unanimously (12 yes, 0 no, 0 abstain) to appointed the [REDACTED] to the sub-committee.

2. Vet Concerns: Use of Non-Pharmaceutical Grade Substance, [REDACTED] (Species: Mouse)

The members were informed of veterinary concerns prompted by a recent SARS-CoV-2 experiment conducted in the [REDACTED] facility involving the use of MitoQ. Specifically, animals became sick within a day of the experiment starting, which was much sooner than anticipated based on past experiments. When dosing with MitoQ was discontinued, remaining animals in the treatment group began to recover. The veterinarian discovered that, although identified as pharmaceutical-grade in the ARC protocol, MitoQ is not USP grade.

The ARC will send a letter to the PI, requesting that the lab discontinue experiments with MitoQ unless a pharmaceutical grade preparation is obtained, or the protocol and procedures are updated to justify use of the non-pharmaceutical grade substance. Review of the PI's response will be delegated to Vice Chair [REDACTED] and [REDACTED].

The members voted unanimously to proceed as discussed: 12 yes, 0 no, 0 abstain.

[REDACTED] left the meeting, reducing the quorum to 11.

3. Vet Report: Unapproved Housing in [REDACTED] (Species: Mouse)

The members were informed that a random check of [REDACTED] on April 21, 2022 revealed that a PI had been housing several cages of mice assigned to [REDACTED] in this room prior to obtaining ARC approval to do so. When questioned by [REDACTED] about this arrangement, the PI stated [REDACTED] had obtained approval from DLAM; however, one of the communications cited as approval indicated that animals could be released to [REDACTED] if the activity was terminal or mice were returned to vivarium housing after the experiment.

The ARC will send a letter to the PI, requesting an explanation for why animals were housed in this location prior to ARC approval and a description of actions that will be taken to ensure this does not happen again. Review of the PI's response will be delegated to Vice Chair [REDACTED] and [REDACTED].

The members voted unanimously to proceed as discussed: 11 yes, 0 no, 0 abstain.

4. DMR/FCR Changes Implemented at the April 11, 2022 ARC Meeting

The ARC Chair thanked the members for their assistance during [REDACTED] absence from committee business and requested that their involvement in DM and FC reviews, as discussed at the April 11 meeting, continue for another couple of weeks. No objections to this request were raised.

5. ARC Member Departure

The members were informed that this will be [REDACTED] last meeting, as [REDACTED] is leaving UCLA this summer and has resigned from the committee effective April 30, 2022.

With no additional committee business or questions, the meeting was adjourned.

END OF MEETING MINUTES

MEETING MINUTES
 Chancellor's Animal Research Committee
 May 9, 2022

GENERAL MEETING INFORMATION

Meeting start time: 2:30 PM
 Meeting end time: 4:35 PM
 Meeting chaired by: [REDACTED]
 Minutes prepared by: ARC Administrative Staff / approved 5/23/2022

ATTENDANCE

Committee Chair:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present

Committee Members:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Absent
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Absent
[REDACTED]	Scientist	Present
Jeffrey Goodwin	Veterinarian	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present

Alternate Members:

Name	Role(s)	Attendance Status	Substituting For
[REDACTED]	Veterinarian	Present	NA
[REDACTED]	Veterinarian	Present	NA
[REDACTED]	Veterinarian	Present	NA

Staff:

Name	Attendance Status
[REDACTED]	Absent
[REDACTED]	Present

Name	Attendance Status
	Present
	Present
	Present
	Present
	Present

QUORUM INFORMATION

Number of IACUC members on the roster: 13

Number required for quorum: 7

All members present by teleconference received all pertinent material before the meeting and were able to actively and equally participate in all discussions.

GUEST NAMES

None

MEETING MINUTES

The members had no comments on the draft minutes for the April 25, 2022 meeting and voted unanimously for approval: 11 yes, 0 no, 0 abstain.

REVIEW OF SUBMISSIONS

Triennial Reviews (3)

Amendments (6)

Species:	Mouse
Conflicts:	none
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. This study will potentially provide a method to treat inflammatory diseases in humans by inhibiting functions of CRAC channels. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.

Species:	Mouse
Conflicts:	none

■■■■ joined the meeting at 2:50 PM. No change in quorum.

Species:	Mouse
Conflicts:	none

Species:	Pig
Conflicts:	none

Species:	Mouse
Conflicts:	none
Comments:	<p>The PI has requested to remove buprenorphine as part of a multi-modal analgesic regimen following cranial surgeries, after ■■■■ TR was recently updated to include the analgesic. The request to include buprenorphine during the TR was considered a potential refinement and the PI was not required to include it. The members acknowledged that the PI has performed these surgeries with just carprofen for many years.</p> <p>In ■■■■ response, the PI described scientific concerns regarding the addition of buprenorphine and noted that ■■■■ team has not previously observed an animal that exhibited signs of distress after ~6 hours post-op. The members noted that it could be beneficial to provide a single pre-operative dose of buprenorphine to alleviate any pain/distress during that ~6 hour post-operative period. Consequently, the committee requested that a small group of mice subjected to cranial surgery with just carprofen analgesia be observed by the veterinary staff during the first six hours after the procedure for signs of pain/distress. If deemed necessary, a pilot could subsequently be conducted to determine if addition of a single pre-emptive dose of buprenorphine was beneficial.</p> <p>The members voted unanimously (11 yes, 0 no, 0 abstain) to lift the requirement to provide buprenorphine for a limited number of cranial surgeries so that post-operative pain and distress can be evaluated, so long as this is done in close collaboration with the DLAM veterinary staff and reported back to the ARC to document any long-term changes to the protocol.</p>

■■■■ left the meeting at 3:20 PM. No change in quorum.

Species:	Mouse
Conflicts:	none

■■■■ was moved to the waiting room at 3:40 PM due to a conflict with the following 3 protocols.

[REDACTED]	
Species:	Pig
Conflicts:	[REDACTED]

[REDACTED]	
Species:	Mouse
Conflicts:	[REDACTED]

[REDACTED]	
Species:	Pig
Conflicts:	[REDACTED]

[REDACTED] returned to the meeting at 3:50 PM.

[REDACTED]	
Species:	Mouse
Conflicts:	none

[REDACTED] left the meeting at 4PM, reducing the number of voting members present to 10.

Unless otherwise specified in these minutes, further review of the above protocols will be conducted using DMR subsequent to FCR with a review of PI responses to the ARC's questions and requests designated to the Chair or Vice-Chair in accordance with UCLA's Animal Welfare Assurance. A vote to proceed as discussed passed unanimously (10 yes, 0 no, 0 abstain, except for the three protocols with the member conflict, which were 9 yes, 0 no, 0 abstain).

DISCUSSION ITEMS

a. PI Self-Report: Incident of Mortality ([REDACTED], Species: Mouse)

The PI self-reported an incident that occurred on May 2, 2022 and resulted in the death of 12 mice. Specifically, during a multi-hour exposure experiment, a tube connection between the pump and chamber became disconnected, resulting in insufficient airflow to the chamber. The lab had recently installed and begun using cameras to remotely monitor the exposure chambers, but the camera angle did not capture the tube connection. The PI is in discussion with colleagues at [REDACTED] to discuss changes that could be implemented to prevent recurrence.

The members voted unanimously (10 yes, 0 no, 0 abstain) to thank the PI for the report and to request more information about the monitoring plan for animals during these exposure experiments. The PI's response will be evaluated by the Chair and [REDACTED]

b. Vet Report: Mice Found Dead in [REDACTED]

DLAM self-reported the discovery on April 29, 2022 of one cage containing four dead mice, water bottle in place but no food, in the [REDACTED] vivarium. The regular [REDACTED]

assigned to this room could not be questioned regarding this cage, as [REDACTED] retired from DLAM on April 28, 2022, after [REDACTED] years of employment. No other cages in the room were affected.

The members voted unanimously (10 yes, 0 no, 0 abstain) to thank DLAM for the report and consider the matter closed.

c. Vet Report: MitoQ Experiment ([REDACTED], Species: Mouse)

The members evaluated the PI's response to ARC concerns discussed at the April 25, 2022 meeting regarding a recent experiment in the [REDACTED] facility involving the administration of MitoQ, a dietary supplement, to animals exposed to SARS-CoV-2. In [REDACTED] response letter, the PI suggested protocol modifications and requested ARC input. The PI also provided [REDACTED] approved IND application for the use of MitoQ in humans, which [REDACTED] suggested conferred USP-grade status upon the substance, and proposed an experiment comparing the effects of the supplement against a pure preparation of the compound. [REDACTED] offered to contact IRB staff regarding the IND and [REDACTED] use of MitoQ.

The members voted unanimously (10 yes, 0 no, 0 abstain) to send the PI a letter requesting further information regarding determination of the concentration of the compound in the supplement, including verification that this was consistent between batches. The PI's response will be returned to the full committee for further discussion.

CONTINUING EDUCATION FOR ARC MEMBERS

None

CHAIR/VET/RS&AW NEWS AND REPORTS

a. New Pig Protocol

The members were advised that a research team with no prior swine experience has drafted a new protocol to evaluate the functionality of an engineered therapeutic patch for periodontitis in pigs. The committee was informed that there are no personnel identified on the protocol with the necessary expertise to perform the surgical manipulations, and that although DLAM personnel are available to provide anesthesia support and post-operative care, they do not have the expertise to conduct these experiments for the lab, as is currently being proposed in the application.

The members voted unanimously (10 yes, 0 no, 0 abstain) to communicate with the PI their request that [REDACTED] defer submission of the protocol until such time as [REDACTED] can identify a researcher or research group, experienced in performing dental procedures in pigs, that can assist with writing the protocol and conducting the procedures.

b. USDA Inspection

The week of April 29, 2022, the USDA performed a for-cause inspection to investigate a complaint against UCLA regarding adverse events previously reviewed by the ARC and released via public records request. After evaluating animals, facilities, and documentation, the [REDACTED] concluded the inspection with an exit briefing at which [REDACTED]

noted that she found no non-compliant items.

c. DMR/FCR Processes

The members were thanked for recently taking on additional reviews during the Chair's absence. As noted at the April 25 ARC meeting, DM and FC reviews will revert to prior processes. Going forward, members may be asked to assist with these reviews, as has always been the case and when additional expertise is needed.

d. New ARC Members

The Chair has spoken to two faculty who will join the ARC, one in September 2022, the other in January 2023.

With no additional committee business or questions, the meeting was adjourned.

END OF MEETING MINUTES

MEETING MINUTES
Chancellor's Animal Research Committee
May 23, 2022

GENERAL MEETING INFORMATION

Meeting start time: 2:30 PM
Meeting end time: 4:40 PM
Meeting chaired by: [REDACTED]
Minutes prepared by: ARC Administrative Staff / approved 6/13/2022

ATTENDANCE

Committee Chair:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present

Committee Members:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Absent
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
Jeffrey Goodwin	Veterinarian	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present

Alternate Members:

Name	Role(s)	Attendance Status	Substituting For
[REDACTED]	Veterinarian	Present	NA
[REDACTED]	Veterinarian	Absent	
[REDACTED]	Veterinarian	Present	NA

Staff:

Name	Attendance Status
[REDACTED]	Absent
[REDACTED]	Present

Name	Attendance Status
	Present
	Present
	Present
	Present
	Present

QUORUM INFORMATION

Number of IACUC members on the roster: 13

Number required for quorum: 7

All members present by teleconference received all pertinent material before the meeting and were able to actively and equally participate in all discussions.

GUEST NAMES

None

MEETING MINUTES

The members had no comments on the draft minutes for the May 9, 2022 meeting and voted unanimously for approval: 11 yes, 0 no, 0 abstain.

arrived after the vote on the minutes, increasing the number of voting members to 12.

REVIEW OF SUBMISSIONS

New Protocols (1)

Triennial Reviews (2)

Amendments (4)

Species:	Mouse
Conflicts:	none
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. The goal of this work is to test whether a novel inhibitor can treat inflammatory bowel disease, a condition that can cause significant suffering. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.

Species:	Hamster, Mouse
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Conflicts:	none
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. The study might provide novel targets against colonic cancer and chronic colitis and might offer a new therapeutic option not only for colon cancer and acute/chronic colitis, but also for a wide variety of cancers, obesity, diabetes, and inflammation. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.

██████████

Species:	Mouse
Conflicts:	none

██████████

Species:	Mouse
Conflicts:	none
Comments:	At the May 9, 2022 meeting, the ARC voted to lift the requirement to provide buprenorphine for a limited number of cranial surgeries to evaluate post-operative pain and distress but asked the PI to consider a single pre-operative dose of buprenorphine to address potential pain during the initial 6-hour post-procedure window. The PI communicated with the ARC Chair about this request and suggested a stepwise approach to address the ARC's concerns. The members suggested that ██████ evaluate post-operative pain and distress in the mice following these evaluations, ██████ will submit recommendations to the ARC.

██████████

Species:	Mouse
Conflicts:	none
Comments:	At the May 9, 2022 meeting, the ARC voted to send a letter to the PI following his response to their May 3, 2022 letter. This amendment was submitted before that second letter could be drafted/sent.

██████████

Species:	Chinchilla
Conflicts:	none
Comments:	The assigned veterinary reviewer will provide comments after the meeting. The PI will be asked for an update on aged chinchillas that remain in the vivarium.

██████████

Species:	Rabbit
Conflicts:	none

Unless otherwise specified in these minutes, further review of the above protocols will be conducted using DMR subsequent to FCR with a review of PI responses to the ARC's questions and requests designated to the Chair or Vice-Chair in accordance with UCLA's Animal Welfare Assurance. A vote to proceed as discussed passed unanimously: 12 yes, 0 no, 0 abstain.

■ and ■ left the meeting at 3:45PM, reducing the number of voting members to 11.

REVIEW OF PROCEDURES

The ARC was advised that a batch of standard euthanasia procedures, approved in July 2019, is approaching the 3-year expiration date. As standard procedures are only used under an approved protocol, and all protocols are subjected to a triennial review process, the ARC voted unanimously (11 yes, 0 no, 0 abstain) to extend the approval period for all currently approved standard procedures from 3 years to 5 years. The 5-year approval period will be implemented for all new standard procedures going forward. The extended approval period does not preclude earlier review or revision of any procedure.

VETERINARY REPORTS

1. Study Area Oversight, ■ (Species: Mouse)

The members were informed of on-going concerns regarding study area logs, sanitation issues, and not notifying DLAM when survival surgeries are conducted so that animals subsequently housed in this location could be evaluated by the veterinary team.

The ARC voted unanimously (11 yes, 0 no, 0 abstain) to send a letter to the PI to address these issues. The PI's response will be reviewed by the Chair and ■

2. Monitoring and Premature Endpoints, ■ (Species: Mouse) – Update

■ and ■ have had multiple meetings with this research group to train them on the scoring rubric developed to assess their mice. The average number of found dead mice has dramatically decreased since implementation of the rubric, from 13/month to 2/month. DLAM remains concerned about one individual's ability to adhere to the rubric, though this person is leaving the lab soon. Overall, the lab is moving in a positive direction; consequently, and noting other obligations, the vets will pull back from their heavy involvement with this group.

The members thanked ■ and ■ for their hard work to implement sustained improvement in animal welfare while being thoughtful of the lab's research needs. The ARC voted unanimously (11 yes, 0 no, 0 abstain) to send a letter to the PI, with copy to the department chair, to acknowledge progress and remind the PI of the need to provide a report on use of the rubric after the first two experiments conducted using it. The PI will also be encouraged to develop a plan to handle personnel who might not develop the competency needed to monitor animals under the scoring rubric.

3. Protocol Noncompliance, ■ (Species: Mouse)

The ARC was informed that the PI was recently discovered to be housing animals in [REDACTED] laboratory, and that the person caring for these animals was not listed on an approved protocol and had not completed any ARC certification requirements for working with mice. The members were further informed that mice were exposed to tamoxifen in the lab and it was unclear how soiled bedding was being disposed of.

The ARC voted unanimously (11 yes, 0 no, 0 abstain) to send a letter to the PI, requesting that [REDACTED] explain the circumstances that led to this noncompliance, provide a corrective action plan to prevent recurrence, and indicate whether experiments were supported by an NIH grant. The PI's response will be returned to the full committee for further review.

APRIL 2022 SEMIANNUAL INSPECTIONS

1. Vivarium Report

The members had no comments or questions on this report. Findings marked as pending will be reviewed by the ARC Chair upon receipt of a response from the responsible party, prior to finalizing the report for the IO.

2. Research Area Report

[REDACTED] (Species: Mouse) - The lab was not placing a barrier between isoflurane and the mice while performing the open drop method of euthanasia. The lab was instructed on the proper procedure at the time of the visit and the PI was sent a follow-up email to document the finding. The PI's response to that email has not yet been received but will be obtained and evaluated by the ARC Chair prior to finalizing the report for the IO.

The members had no other comments or questions on this report.

3. Laboratory Report

[REDACTED] (Species: Mouse) – The lab was performing anesthesia via the open drop method on the bench top and was instructed that this should be done in a chemical fume hood. The PI subsequently provided confirmation of [REDACTED] understanding of this requirement via follow-up correspondence.

The members had no other comments or questions on this report. Findings marked as pending will be reviewed by the ARC Chair upon receipt of a response from the responsible party, prior to finalizing the report for the IO.

The members voted unanimously (11 yes, 0 no, 0 abstain) to approve the three inspection reports and proceed as discussed above.

CONTINUING EDUCATION FOR ARC MEMBERS

None

CHAIR/VET/RS&AW NEWS AND REPORTS

1. Standard Procedure: “Anesthesia Cocktail: Ketamine-Xylazine-Buprenorphine”

This approved standard procedure was created as part of a terminal surgery for the Physiology Core and describes a single administration of the three drugs via IP injection. Some researchers have used the cocktail procedure in their team survival surgeries, which is inappropriate due to the IP route of administration and use of only a single dose of buprenorphine. The members agreed that the procedure should be renamed to make it clear that it should be used in terminal procedures only. Those researchers who have used the cocktail in their team survival surgery procedures will be helped to amend their protocols to use separate standard procedures for ketamine/xylazine administration and buprenorphine administration. No vote.

2. DLAM Holding Protocol, [REDACTED]

A new PI, who works with marmosets, will be coming to UCLA this summer. Consequently, the DLAM holding protocol is being modified to account for this species. The ARC determined that it is not necessary to describe care of marmoset implants on the holding protocol, as this will be covered by standard veterinary care.

During the process of updating the protocol, it was observed that the RATS holding protocol template does not allow the inclusion of any procedures. The ARC was reminded that DLAM may place breeding animals on the holding protocol while a new PI relocates to and gets established at UCLA; in such cases, limited breeding support is provided.

With no additional committee business or questions, the meeting was adjourned.

END OF MEETING MINUTES

MEETING MINUTES
 Chancellor's Animal Research Committee
 June 13, 2022

GENERAL MEETING INFORMATION

Meeting start time: 2:30 PM
 Meeting end time: 5:05 PM
 Meeting chaired by: [REDACTED]
 Minutes prepared by: ARC Administrative Staff / approved 6/27/2022

ATTENDANCE

Committee Chair:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present

Committee Members:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Absent
[REDACTED]	Non-Scientist, Non-Affiliated Member	Absent
[REDACTED]	Scientist	Absent
[REDACTED]	Scientist	Present
Jeffrey Goodwin	Veterinarian	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present

Alternate Members:

Name	Role(s)	Attendance Status	Substituting For
[REDACTED]	Veterinarian	Absent	
[REDACTED]	Veterinarian	Present	NA

Staff:

Name	Attendance Status
[REDACTED]	Present
[REDACTED]	Present
[REDACTED]	Absent

Name	Attendance Status
	Present
	Present
	Present
	Present

QUORUM INFORMATION

Number of IACUC members on the roster: 13

Number required for quorum: 7

All members present by teleconference received all pertinent material before the meeting and were able to actively and equally participate in all discussions.

GUEST NAMES

None

MEETING MINUTES

The members had no comments on the draft minutes for the May 23, 2022 meeting and voted unanimously for approval: 10 yes, 0 no, 0 abstain.

REVIEW OF SUBMISSIONS

New Protocols (1)

Triennial Reviews (6)

Amendments (4)

Species:	Mouse
Conflicts:	none

Species:	Mouse
Conflicts:	none

Species:	Mouse
Conflicts:	none
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. By providing an understanding of the biology of nervous regulation of immune cell development and related effects on inflammation and tumor metastasis, this study will lay a foundation for new therapies to prevent inflammation-related diseases such as metastatic cancer. As such, the potential benefits

	to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.
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Species:	Mouse
Conflicts:	none

Species:	Mouse
Conflicts:	none

Species:	Rabbit
Conflicts:	none

Species:	Mouse
Conflicts:	none
Comments:	The members discussed the potential for the animals to experience more than momentary pain or discomfort in the context of the potential for gaining knowledge that may benefit human or animal health. This study aims to generate information on the genes and molecular mechanisms that underlie animal models of anxiety, revealing which molecules and hence which pathways to perturb in a circuit to alleviate anxiety. As such, the potential benefits to human or animal health were considered strong justification for the use of animals in the research, including animals that may experience unrelieved pain or distress.

Species:	Mouse, Rat
Conflicts:	none

Species:	Mouse
Conflicts:	none

Species:	Mouse
Conflicts:	none

Species:	Rabbit
Conflicts:	none

Unless otherwise specified in these minutes, further review of the above protocols will be

conducted using DMR subsequent to FCR with a review of PI responses to the ARC's questions and requests designated to the Chair or Vice-Chair in accordance with UCLA's Animal Welfare Assurance. A vote to proceed as discussed passed unanimously: 10 yes, 0 no, 0 abstain.

VETERINARY & COMPLIANCE REPORTS

1. Vet Report: Post-op mice [REDACTED]

The members were reminded of their prior discussions regarding the use of buprenorphine in addition to carprofen for cranial surgeries performed under this protocol. At the May 23, 2022 meeting, the ARC voted to lift the requirement to provide buprenorphine for a limited number of cranial surgeries to evaluate post-operative pain and distress, and requested that [REDACTED] evaluate the mice for pain and distress and report back to the committee.

[REDACTED] evaluated two mice for each of four surgeons. The report documented that post-op pain control was considered adequate for all six mice from three of the surgeons. Of the two mice from the remaining surgeon, one was euthanized due to a problem with the headplate, and another was considered to have experienced some discomfort that may have benefitted from additional analgesia.

The members suggested that the PI be asked to comment on the veterinary report and consider the following options:

1. use only carprofen for post-op analgesia and euthanize animals if they show signs of pain/distress during the initial 48-hour post-operative window;
2. use only carprofen, but provide buprenorphine PRN; and
3. provide a single routine preemptive dose of buprenorphine (in addition to 48 hour Carprofen coverage).

The committee voted unanimously (10 yes, 0 no, 0 abstain) to send a letter to the PI as indicated above. The PI's response will be reviewed by the Chair, AV, and [REDACTED]

2. Vet Self-Report: DLAM Staff (Species: Mouse)

On May 14, 2022, DLAM husbandry staff found seven dead mice over two cages, neither of which had food or water, and both marked for euthanasia. Investigation revealed that the room technician had planned to euthanize the cages, but forgot about them. The Attending Veterinarian worked with Human Resources to determine the proper disciplinary action for this individual, who is a long-term DLAM employee with no prior history of such lapses. Additionally, the supervisor will follow-up with this employee to ensure their rooms are being consistently checked for adequate food and water, and that there are no other animal welfare issues.

The members had no questions and did not vote on this report.

3. Vet Report: Surgical Concerns, [REDACTED] (Species: Pig)

Prior to leaving, [REDACTED] noted that DLAM will no longer have a surgeon to assist this PI in certain of the procedures on their protocol and expressed a lack of confidence in the ability of this PI to conduct these surgeries unassisted. The committee was advised that such

procedures would always be conducted by a team, rather than a single individual. The AV noted that [REDACTED] and one of the other DLAM clinical veterinarians have spoken with this researcher, who has no immediate plans to conduct these procedures, but that when they do resume, surgeries will be performed in the [REDACTED] suite where DLAM staff would be available should problems arise.

The members had no questions and did not vote on this report.

4. Vet Report: Surgical Complications. [REDACTED] (Species: Pig)

On April 14, 2022, a surgeon in the [REDACTED] performed two endoscopic survival procedures, both of which had complications. Pig #1 had an emergency under anesthesia and was later diagnosed with cortical blindness due to cerebral hypoxia. The procedure with pig #2 went well and the animal recovered uneventfully, but when it crashed two days later and was euthanized, the necropsy identified volvulus torsion of the intestine. A third procedure performed the following week was changed from survival to terminal due to stomach perforation while placing the stent. A fourth procedure was reported to have no complications.

The [REDACTED] is not planning to continue GI studies, and the surgeon involved in these procedures has left the group. As such, the members considered that no action was necessary. No vote was taken on this report.

5. Unapproved Personnel: [REDACTED] (Species: Mouse)

The members discussed an incident involving failure to add personnel to an ARC protocol prior to that individual initiating work with mice. The individual in question completed all ARC certification requirements in September 2021 and received badge access to mouse holding rooms. The PI accepted responsibility for the oversight and noted using a checklist to ensure this type of problem does not reoccur.

The members had no questions and voted unanimously (10 yes, 0 no, 0 abstain) to consider the matter closed. The ARC administrative staff will email the PI the outcome.

6. Work after Protocol Expiration: [REDACTED] (Species: Mouse)

At the April 11, 2022 meeting, the committee discussed an incident in which it was discovered that work continued under [REDACTED] after the March 9, 2022 expiration of this breeding protocol. The members discussed the PI's response to their April 14 request for information and requested a letter back to the PI, reiterating the need to address ARC correspondence in a timely fashion and the importance of managing [REDACTED] protocols in order to continue work.

The committee voted unanimously (10 yes, 0 no, 0 abstain) to send a letter to the PI as indicated above. The PI's response will be reviewed by the Chair.

CONTINUING EDUCATION FOR ARC MEMBERS

None

CHAIR/VET/RS&AW NEWS AND REPORTS1. Attending Veterinarian Report

DLAM Clinical Veterinarian and alternate ARC member [REDACTED] left UCLA, effective June 9. DLAM is in the process of hiring a new veterinarian with large animal surgery experience, but it will be difficult to replace the skill and support [REDACTED] provided researchers, particularly in terms of model development. There will be some changes to DLAM provision of controlled substances for animal surgeries; researchers working with large animals may need to provide their own license due to the volumes required. DLAM will assess the services that can be provided to large animal users and will ask the ARC to reevaluate personnel qualifications and when veterinary involvement is needed or preferred versus optional.

2. Chair Report

The animal magnet in the [REDACTED] in [REDACTED] quenched in early May, suffering catastrophic damage that will take months to repair. In the meantime, the Scientific Director is investigating the use of other centers for imaging studies to allow experiments to continue.

3. Review of Personnel Only Amendments

The ARC has approved two staff members – the [REDACTED] and the [REDACTED] – to review/approve amendments for change in personnel only. With the [REDACTED] on leave, the [REDACTED] and [REDACTED] have discussed expanding the scope of personnel who, with training and direction, can perform these reviews. The ARC voted unanimously (10 yes, 0 no, 0 abstain) to approve expanding the personnel approved for reviewing these changes from the aforementioned individuals to all staff on the ARC team.

With no additional committee business or questions, the meeting was adjourned.

END OF MEETING MINUTES

MEETING MINUTES
 Chancellor's Animal Research Committee
 June 27, 2022

GENERAL MEETING INFORMATION

Meeting start time: 2:30 PM
Meeting end time: 3:35 PM
Meeting chaired by: [REDACTED]
Minutes prepared by: ARC Administrative Staff / approved 7/11/2022

ATTENDANCE

Committee Chair:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Absent

Committee Members:

Name	Role(s)	Attendance Status
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Absent
[REDACTED]	Scientist	Present
[REDACTED]	Non-Scientist, Non-Affiliated Member	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
Jeffrey Goodwin	Veterinarian	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present
[REDACTED]	Scientist	Present

Alternate Members:

Name	Role(s)	Attendance Status	Substituting For
[REDACTED]	Veterinarian	Present	NA
[REDACTED]	Veterinarian	Present	NA

Staff:

Name	Attendance Status
[REDACTED]	Present
[REDACTED]	Present
[REDACTED]	Absent

Name	Attendance Status
	Present
	Present
	Present
	Present

QUORUM INFORMATION

Number of IACUC members on the roster: 13

Number required for quorum: 7

All members present by teleconference received all pertinent material before the meeting and were able to actively and equally participate in all discussions.

GUEST NAMES

None

MEETING MINUTES

The members had no comments on the draft minutes for the June 13, 2022 meeting and voted unanimously for approval: 10 yes, 0 no, 0 abstain.

arrived after the vote on the minutes, increasing the number of voting members to 11.

REVIEW OF SUBMISSIONS

New Protocols (1)

Triennial Reviews (2)

Amendments (1)

Species:	Mouse
Conflicts:	none

Species:	Mouse, Rat
Conflicts:	

Species:	Mouse
Conflicts:	none

Species:	Mouse
Conflicts:	none

Unless otherwise specified in these minutes, further review of the above protocols will be conducted using DMR subsequent to FCR with a review of PI responses to the ARC's

questions and requests designated to the Chair or Vice-Chair in accordance with UCLA's Animal Welfare Assurance. A vote to proceed as discussed passed unanimously (11 yes, 0 no, 0 abstain).

NONCOMPLIANCE REPORTS

1. Self-Report, [REDACTED] (Species: Mouse)

On June 15, 2022, the PI self-reported administration of a medication into nine mice prior to receiving ARC approval to use the medication. The experiment was stopped when the oversight was identified, and a protocol amendment to include the medication has since been submitted. The PI accepted full responsibility for the incident and has discussed this with [REDACTED] staff to emphasize the importance of compliance. As the experiments were self-funded, a report to OLAW is not required.

The members had no questions and voted unanimously (11 yes, 0 no, 0 abstain) to consider the matter closed. The ARC administrative staff will email the PI the outcome.

2. Noncompliance, [REDACTED] (Species: Mouse)

During the review of a recent health case, it was discovered that the lab had obtained mice from a vendor with implanted catheters, but the use of such animals was not described in the approved protocol. The PI explained that these animals were purchased for a comparison study and that the work was described in grant proposal, but they had inadvertently neglected to update the ARC protocol. An amendment has been submitted to cover future experiments with pre-catheterized mice. The protocol does not include NIH funding; as such, a report to OLAW is not required.

The members had no questions and voted unanimously (11 yes, 0 no, 0 abstain) to consider the matter closed. The ARC administrative staff will email the PI the outcome.

MAY 2022 INSPECTIONS

The members were informed that there are more pending responses than usual and that reminders to reply by the end of the week (i.e., July 1) will be sent after the meeting. Findings marked as pending will be reviewed by the ARC Vice Chair ([REDACTED]) upon receipt of a response from the responsible party, prior to finalizing the report for the IO.

Vivarium Report

There were no comments or questions on the report.

Laboratory Report

[REDACTED] (Species: Mouse, Rat) - The ARC staff will follow-up with the PI, who inquired about which specific rooms were dusty. There were no other comments or questions on the report.

Research Area Report

[REDACTED] (Species: Mouse) – the expired isoflurane finding was recategorized from a minor to a significant deficiency.

██████████ (Species: Mouse) – it was suggested that the finding (vaporizer due for calibration) also be recategorized from a minor to a significant deficiency. The ARC ██████████ will work with ██████████ on this finding, as the PI has not yet replied to correspondence.

██████████ left the meeting prior to the vote on the inspection reports, reducing the number of voting members to 10.

The members voted unanimously (10 yes, 0 no, 0 abstain) to approve the three inspection reports and proceed as discussed above.

CONTINUING EDUCATION FOR ARC MEMBERS

Members were advised of an upcoming OLAW webinar/training on humane endpoints.

CHAIR/VET/RS&AW NEWS AND REPORTS

1. AV Report

DLAM has established an arrangement with ██████████) to provide breeding services to UCLA researchers. The arrangement was established to address capacity and staffing limitations that have impacted DLAM services. The cost will be the same as the DLAM on-site breeding rate, but genotyping is not included in the ██████████ rate. DLAM is working with the first two researchers and will look to encourage other users if this works well. The ARC will need to ensure that this arrangement is tracked in relevant protocols and that numbers are tracked.

With no additional committee business or questions, the meeting was adjourned.

END OF MEETING MINUTES