

[illegible]

[REDACTED]

[REDACTED]

Approve -
Disapprove -
Abstain-

New Business: IACUC Application 671

Request Type:	
Study Title:	

No members indicated a conflict of interest with the request on the agenda.

provided the committee with a summary of the study. The study uses a mouse model to investigate how molecular mechanisms in the brain shape astrocyte morphology and synaptic function in the hippocampus.

Once the summary was provided identified aspects of the protocol which lacked clarity. indicated the protocol was written in a scientific manner, not easily understandable to a lay person. indicated that protocol lacked significant clarity on the number of animals from each strain to be used, how old animals will be when they are used in procedures, which procedures animals will go through and the need for specific procedures.

The IACUC voted to table the review.

Approve -
Disapprove -
Abstain-

The IACUC identified the need for following information for the study to move forward:

1. Given the number of animal strains and procedures proposed to be used in the protocol the IACUC requires a clear explanation of the need for the myriad strains of mice and how the strains will be used in your experimental design. Briefly explain the experimental design and specify all animal procedures. This description should allow the IACUC to understand the course of an animal from its entry into the study to the animal's endpoint in the study.

Moreover, this explanation should address the scientific need for each proposed procedure and strain, as well as the numbers of animals to be used in a procedure, age of the animal during the procedure, and any drug administration or transportation outside the facility. Finally, this explanation should be written in lay language suitable for non-scientists to understand. A flowchart may be an effective presentation of the planned uses of strains and proposed procedures.

2. Please update all lab Standard Operating Procedures (SOP) to identify the current attending veterinarian and Laboratory Animal Resources contact information.
3. Please update the lab's SOPs for behavioral testing to include how you decontaminate materials used in the testing between each animal.

New Business: IACUC Application 682

Request Type:	
Study Title:	

No members indicated a conflict of interest with the request on the agenda.

provided the committee with a review summary. will use the salivary gland resection and ligation-deligation models to define endothelial cell signaling factors produced during salivary gland repair and regeneration after injury. will determine mechanisms by which endothelial signaling promotes gland repair and regeneration for development of improved regenerative medicine strategies for patients with damaged and diseased salivary glands. The study utilizes two genetically modified mice, and use 4 strains to generate those types of knock-out mice.

indicated adequately explains why rats are needed and the potential benefit of the study. Experiment design is well established along with Lab specific SOPs.

The IACUC discussed a lack of clarity in the number of proposed animals being bred for the study

Motion was made to require minor modification to secure approval. The motion was seconded and approved

Approve -
Disapprove -
Abstain-

The committee also voted allow to review the requested changes under Designated Member Reviewer procedures.

Approve -
Disapprove -
Abstain-

The IACUC required [REDACTED]

- Provide the estimated number of animal that will be created in the breeding colony.

New Business: IACUC Application 685

Request Type:	[REDACTED]
Study Title:	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

No members indicated a conflict of interest with the request on the agenda.

[REDACTED] provided the committee with a review summary. This is a new study of [REDACTED] with collaboration of the University at Albany's RNA Institute and Applied Materials. The research will identify molecular regulators of salivary mesenchyme that function to promote salivary gland health and changes in the molecular regulators of salivary mesenchyme during fibrotic disease. The research uses salivary gland organoid cultures and mouse models together with Applied Materials probes, RNA profiling, and single cell analysis. [REDACTED] will purchase two mice strains from approved vender, collect tissues for cell culture. [REDACTED] indicated that the Investigator adequately explains why rats are needed and the potential benefit of the study. Experiment design is well established along with Lab specific SOPs. The investigator adequately addressed all questions and provided sufficient information [REDACTED]

Motion was made to secure approval. The motion was seconded and approved [REDACTED]

Approve - [REDACTED]
Disapprove - [REDACTED]
Abstain- [REDACTED]

Animal Facility [REDACTED]

[REDACTED] reported that inspection have been done and approved for the vaporizer machine in the facility. There was a mechanical issue in the power plant at the main campus. This has some effects on usage of the autoclave and cage wash machine yet it is manageable. The power plant will complete fix the issue for 10 days. In the Health Science facility, number of cages and research activities are reduced. Finally, due to the COVID-19 pandemic, the facility has a limited amount of Personal Protective Equipment (PPE) such as

disposal gown, shoe covers yet newly approved LAR SOP 001: Lab Animal Facilities Gowning Requirement will enhance the usage of PPE effectively.

6. Other business? NA

Adjournment: 12:05 AM

IACUC Meeting Minutes

September 15, 2020 1:00 PM

IACUC Members Present:

Regrets:

Number of voting members present:

Quorum met? Yes

Key: S (Scientist), NS (Non-Scientist), NA (Non-Affiliated), A (Affiliated), CV (Consulting Veterinarian)
ORRC (Office of Regulatory and Research Compliance), LAR (Lab Animal Resources), NV (Non-Voting, Ex-Officio member)

1. Meeting Called to Order: 1:02 p.m.

2. Approval of August 2020 Minutes

The committee reviewed the minutes and identified a minor grammatical change to the statement:

informed the Committee that the University's OLAW Assurance has been renewed a further three years by OLAW."

The word "further" will be changed to "another."

Motion to approve minutes.

The motion was seconded and approved by following

Approve -
Disapprove -
Abstain-

3. News, announcements, Facilities Manager Report

Semi-Annual Facilities and Program review will occur in October. Though facilities were inspected in August (under approved waiver not to conduct inspection in March due to COVID-19.) The October inspection will be done return to regular semi-annual facility inspection schedule. The committee inquired about ways that the inspections could be done remotely. indicated that mobile service is limited in the facilities and alternatives were discussed and will be explored (e.g., video recording, etc.)

The Laboratory Animal Resources Standard Operating Procedure – Euthanasia (SOP 301) will be updated to meet AVMA Guidelines for the Euthanasia of Animals: 2020 Edition. Updated SOP will be distributed to all active Investigators.

4. Old Business:

a. None

5. New Business:

IACUC Study Submission Reviews:

<u>Review Application Number</u>	<u>Principal Investigator</u>	<u>UA Department</u>	<u>Study Title</u>	<u>Type</u>
689				
696				
697			of RSC Rat	

Application 689 –

No member indicated a conflict of interest with the application.

explained that the project proposes to address the increasing need of developing new treatments of pediatric cancers. explained that the will inject tumor cells into mice and after administer an experimental drug to shrink the tumors. indicated that the justification for the use of mice and plan to monitor the health of the mice was appropriate. Members discussed that the protocol did not provide scientific justification for how number of mice needed was determined. Biosafety details with regard to the tumor cells also is missing.

Motion was made to require modifications to secure approval. The motion was seconded and approved by

Approve -
 Disapprove -
 Abstain-

The committee also to allow to review the requested changes under Designated Member Reviewer procedures.

Approve -
 Disapprove -
 Abstain-

Study Application 689

Your IACUC Application has been reviewed at a meeting of a fully convened meeting of the IACUC. Your application requires minor modifications to secure approval as follows:

- Provide a scientific justification for the proposed number of animals to be used in the study.** The IACUC is required to review the justification of the species and number of animals proposed.” The guide further notes that “whenever possible, the number of animals and experimental group sizes should be statistically justified.” A rational basis for the number of animals requested must be provided. If multiple studies of different designs are planned as part of a protocol, justification must be provided for each study type. A statistical basis is preferred, but in some situations a non-statistical basis or a combination of both statistical and non-statistical bases are acceptable. Previous experience or prior publications alone are not sufficient basis for an animal numbers justification. When citing previous studies as a basis, a power calculation is still required.

2. **Provide a completed Biological Toxin Administration Supplemental Form.** Please provide additional information and details with regard to the tumor cells to be administered. Has [REDACTED] submitted an Institutional Biosafety Committee (IBC) application to EH&S? (If so, a copy of that application may suffice.)
3. **Provide a completed Pain or Distress to Animals Supplemental Form.** The study procedures are classified as being Category D (see attached.) Procedures involving pain or distress to animals must include plan for providing appropriate anesthetic or analgesic if necessary.
4. **All euthanasia methods must meet current AVMA Guidelines for the Euthanasia of Animals: 2020 Edition (see attached.)** The IACUC Euthanasia policy is in process of being updated to reflect the new guidelines.

Application 696 – [REDACTED]

No member indicated a conflict of interest with the application.

[REDACTED] explained that the protocol is three year renewal of breeding protocol that has been in place for several years. The colony provides non-commercially available animals for use in the Investigator's experimental protocols (18-010 and 20-005.) The Committee were in concurrence that the justification for the colony, use of animals, and plan to monitor animal health was appropriately addressed.

Motion was made to secure approval. The motion was seconded and approved [REDACTED]:

Approve - [REDACTED]
Disapprove - [REDACTED]
Abstain - [REDACTED]

Study Application 696 – [REDACTED]

Your IACUC Application has been reviewed at a meeting of a fully convened meeting of the IACUC. Your application was approved. Please be sure to update your procedures as follows:

1. **All euthanasia methods must meet current AVMA Guidelines for the Euthanasia of Animals: 2020 Edition (see attached.)** The IACUC Euthanasia policy is in process of being updated to reflect the new guidelines.

Application 697 – [REDACTED]

No member indicated a conflict of interest with the application.

[REDACTED] explained that the protocol is for maintenance of colony of rats that are currently on the animal holding protocol. [REDACTED] is in process of preparing, and will soon submit, experimental protocols for which the animals will be used. [REDACTED] indicated that the justification for the use of mice and plan to monitor the health of the mice was appropriate. One aspect of the protocol discussed was the number of animals to be euthanized seemed significantly higher than the reported total number of animals planned to be used for the three years of the life of the protocol. [REDACTED] also noted that cervical dislocation of rats is often difficult to achieve, and that decapitation is a more common method to confirm morbidity and indicated more information is needed about the Investigator's plans. [REDACTED] indicated that [REDACTED] indicates that [REDACTED] must explain how [REDACTED] will address genetic drift since there is not plan to introduce new animals to the colony.

Motion was made to Require Minor Modifications to Secure Approval. The motion was seconded and approved [REDACTED]:

Approve - [REDACTED]
Disapprove - [REDACTED]
Abstain- [REDACTED]

The committee [REDACTED] allow the [REDACTED] to review the requested changes under Designated Member Reviewer procedures.

Approve - [REDACTED]
Disapprove - [REDACTED]
Abstain- [REDACTED]

Study Application 697 – [REDACTED]

Your IACUC Application has been reviewed at a meeting of a fully convened meeting of the IACUC. Your application requires minor modifications to secure approval as follows:

1. **Please clarify the number of animals to be used and euthanized**
2. **The reference to experimental RNU rats must be removed;** this protocol is solely for the breeding animals.
3. **Please clarify how researchers will confirm death. Decapitation is typical method for rats (versus cervical dislocation.)** The study protocol Breeding Supplemental information indicates:

“Old or sick animals and animals from colonies that will no longer be involved in breeding or experiments will be euthanized by carbon dioxide (compressed CO2) inhalation followed by cervical dislocation to confirm death, or anesthesia with isoflurane vapor followed by cervical dislocation. Animals are disposed according to CRC Animal Facility procedures.”

All euthanasia methods must meet current AVMA Guidelines for the Euthanasia of Animals: 2020 Edition (see attached.) The IACUC Euthanasia policy is in process of being updated to reflect the new guidelines.

4. **Explain how the potential for genetic drift in the animals will be addressed since no new animals will be introduced into the colony.**

6. Other business?

- a. None

7. Meeting Adjourned: 1:37 p.m.



IACUC Meeting Minutes

October 27, 2020 10:00 AM

IACUC Members Present:

Number of voting members present: [REDACTED]

Quorum met? [REDACTED]

Key: S (Scientist), NS (Non-Scientist), NA (Non-Affiliated), A (Affiliated), CV (Consulting Veterinarian)
ORRC (Office of Regulatory and Research Compliance), LAR (Lab Animal Resources), NV (Non-Voting, Ex-Officio member)

1. Meeting Called to Order: 10:02 a.m.

2. Approval of September 2020 Minutes

The committee reviewed the minutes and identified no changes needed.

Motion was made to approve the minutes. The motion was seconded and approved [REDACTED]

Approve - [REDACTED]

Disapprove - [REDACTED]

Abstain- [REDACTED]

3. News, announcements, Facilities Manager Report

The Facility manager reported:

- Preparation for space reduction at the Health Sciences Campus is continuing and awaiting further guidance from [REDACTED] as to the timing of the pending reduction;
- A problem with water entering the ventilation system at the LSRB facility is being addressed by University Facility Services [REDACTED] reported that Facility Services had stopped water from entering the ventilation system and is still investigating the source of the water;
- There has been an increase to the trainings given to students as investigators continue to adjust lab staffing; and
- The facility has been able to address the gap of isoflurane for investigator's use while all investigators continue to seek their individual licenses for controlled substances.

[REDACTED] announced that the Semi-Annual Report and Program Review would be available in advance of the next meeting for members to review and will be discussed at the November meeting.

4. Old Business:

None

5. New Business:

IACUC Study Submission Reviews:

<u>Review Application Number</u>				
744				
702				

Application 744 –

No member indicated a conflict of interest with the application.

explained that the project is part of new funding from the National Science Foundation and proposes to create new knowledge about how the brain functions. Specifically,) will research the hippocampus, a region of the brain involved in learning, memory and spatial navigation and how changes to synapsis are related to circadian rhythmicity. The will breed animals that will then be used for experiments. A group of animals will undergo behavioral experiments prior to euthanasia and sample collection. Some of these animals will experience reverse day/night cycles, other animals will experience total darkness for up to seven days before undergoing behavioral experiments and a final group of animals will undergo behavioral experiments without day/night cycle manipulation. Another group of animals will undergo stereotaxic surgeries in order to have substances introduced to study the effects of specific genes on synaptic function.

identified no issues with the justification for the use of animals, the species or the number of animals to be used.) was queried regarding the subset animals proposed to be kept 24 hours cycle of darkness and the impact to the animals. such information based on past experience with the animals. indicated that has been approved and has used this procedure in previous animal use protocols; no issues had been previously identified in those earlier studies. indicated provide information to address the use of 24 hour darkness and the impact to the animals. Since has used this procedure previously, should be able to provide data regarding any negative impacts to the animals.

There were a number of additional questions and clarifications required by the committee. had not provided details with regard to decontamination of behavioral equipment between experiments. The method of euthanasia indicated was lacking detail necessary. The method of decapitation described n raised additional concerns from the proposed study information. stated clarification is needed regarding t plans for decontaminating behavioral equipment between animal uses. also indicated that if the proposed Adeno-Associated Viruses are determined to be in Biosafety Risk Group 2 by the Biosafety Committee then additional information would be needed regarding decontamination plans for animal housing. had concerns about the procedures used for animal euthanasia given the recent updates to the AVMA Euthanasia Guidelines. indicated that the use of Cre mice strains in research is usually coupled with the use of tamoxifen and if will not use it, that should be stated in the protocol. Finally, indicated that needs to use universal nomenclature for animal strains.

██████████ indicated that █████ did not see a justification in the study procedures for the use of toe clipping in the study.

██████████ ██████████ addressed the concerns of the Committee ██████████ and indicated they would be provided ██████████ in writing after the meeting along with the updated facility SOP for Euthanasia. █████ confirmed █████ would provide information to address the Committee's concerns and confirmed that █████ had not experienced any animal welfare problems with animals previously exposed to constant darkness or any welfare issues with any specific strain. ██████████ ██████████ would not be using tamoxifen. ██████████ indicated ██████████ believed a justification had been provided for toe clipping and ██████████ indicated ██████████ would confirm whether a justification had been provided. █████ left the meeting at 11:54a.

Motion was made to require modifications to secure approval. The motion was seconded and approved ██████████

Approve -
Disapprove -
Abstain-

The committee also ██████████ to allow ██████████ to review the requested changes under Designated Member Reviewer procedures.

Approve -
Disapprove -
Abstain-

Study Application 744 – ██████████ ██████████

The IACUC reviewed your study ██████████ its meeting convened on October 27, 2020 meeting of the IACUC. The IACUC has determined that you study will require modifications to secure final approval as follows:

1. Provide an explanation of the impact to the animals resulting from housing animals in constant darkness. Please refer to data from what you have observed in your prior studies utilizing this procedure.
2. Clarify the procedure for decapitation of animals and animal euthanasia. The revised AVMA euthanasia guidelines allow the use of scissors for decapitation for neonates. The guillotine must be used for adult mice (i.e., 21 days and older.)
 - a. The UA SOP/policy for animal euthanasia has been updated to reflect the 2020 AVMA guidelines. Please use and follow the updated policy.
3. Provide a copy of your Institutional Biosafety Committee/Officer determination and guidance regarding the proposed use of Adeno-Associated Viruses (AAV). If the AAV are determined by the Biosafety Officer to be BSL-2 substances, BSL-2 procedures must be provided which includes decontamination of animal housing materials and safe handling by LAR staff.
4. Please describe the decontamination process to be used for behavioral equipment. 70% ethanol is not sufficient. Peroxigard is recommended for cleaning and disinfection.

5. Identify all strains of animals using the universal nomenclature. For animals that will be created/bred, please identify animal strains by using nomenclature for the base strain.)
 - a. Identify any health conditions to be aware of as animals are bred. If there are no known animal welfare issues for a strain, this should be stated.
6. Provide scientific justification for the toe clipping procedure.
7. Typically use of Cre strain is chosen for because of ability to inject tamoxifen. Please clarify whether or not tamoxifen will be used in the study.

Application 702 – [REDACTED]

No member indicated a conflict of interest with the application.

[REDACTED] provided a summary of the study, including progress report provided [REDACTED] [REDACTED] review. The purpose of this study is to determine sex differences in the effects of repeated methamphetamine exposure on stress related behaviors and the brain circuitry involved in regulating stress. In the progress report [REDACTED] indicates [REDACTED] lab discovered specific types of cells that are altered by repeated methamphetamine exposure and has reported out on the effects of chronic methamphetamine on behavioral responses. The planned experiments have aim of obtaining further knowledge regarding the role genetics plays in producing these changes and will probe the exact hormones that are involved in generating sex differences in effects of methamphetamine.

Several questions were raised during the committee's discussion of the protocol application including [REDACTED] [REDACTED] had not provided adequate information regarding use of non-pharmaceutical grade chemicals and substances. There must be justification for use of these substances as well as detailed procedures as to how the substances will be sterilized before being put into animals. The surgical procedure information was also lacking in some detail with regard to procedures. Due to fact [REDACTED] are currently in progress with obtaining individual controlled substance licenses, the proposed method of Carprofen administration may not be possible. It was suggested that [REDACTED] should include description of alternative administration that may need to be utilized during the pendency of the licensing process. Finally, a question was raised regarding whether the assessed pain category D was appropriate with regard to the proposed euthanasia methods. [REDACTED] [REDACTED] concurred that category D was the appropriate category.

Motion was made to require modifications to secure approval. The motion was seconded and approved [REDACTED]

Approve - [REDACTED]
Disapprove - [REDACTED]
Abstain- [REDACTED]

The committee also voted unanimously to allow [REDACTED] to review the requested changes under Designated Member Reviewer procedures.

Approve - [REDACTED]
Disapprove - [REDACTED]
Abstain- [REDACTED]

Study Application 702 – [REDACTED]

The IACUC reviewed your study [REDACTED]

[REDACTED] its meeting convened on October 27, 2020 meeting of the IACUC. The IACUC has determined that your study will require modifications to secure final approval as follows:

1. A scientific justification must be provided to explain why non-pharmaceutical grade substances will be used for administration to animals.
 - a. For use of non-pharmaceutical grade substances, in addition to scientific justification, the Investigator must also provide clear description of the sterilization process (e.g. filtering) that will be implemented prior to administration of the substances to the animals.
2. Provide additional details with respect to the surgical procedures; these should include additional specificity as to the location on animal where the incisions will be made ("side of animal" is not sufficient) and the length of incisions.
3. Identify all strains of animals using the universal nomenclature. For animals that will be created/bred, please identify animal strains by using nomenclature for the base strain.)
4. Describe alternative method of administration of analgesics to the animals while awaiting licensing for Carprofen (e.g., orally.)

6. Other business?

[REDACTED] indicated that the Office for Regulatory and Research Compliance and Laboratory Animal Services are faced with limited staffing resources due to current campus budget exigencies. The offices will be moving to update procedures during the inter-session to better utilize the limited resources. This will possibly mean that there will be no IACUC meetings scheduled in December and January. Depending on resources, it's also likely that meetings will be scheduled on a less than monthly basis. [REDACTED] indicated that a search is underway for a new IACUC Chair with hope to have someone appointed to begin in the Spring semester.

7. Meeting Adjourned: 12:03 p.m.



IACUC Meeting Minutes

November 17, 2020 11:00 AM

IACUC Members Present:

Number of voting members present: [REDACTED]

Quorum met? [REDACTED]

Key: S (Scientist), NS (Non-Scientist), NA (Non-Affiliated), A (Affiliated), CV (Consulting Veterinarian)
ORRC (Office of Regulatory and Research Compliance), LAR (Lab Animal Resources), NV (Non-Voting, Ex-Officio member)

1. Meeting Called to Order: 11:03 a.m.

2. Approval of October 27, 020 Minutes

The committee reviewed the minutes and identified no changes needed.

Motion was made to approve the minutes. The motion was seconded and approved [REDACTED]

Approve - [REDACTED]
Disapprove - [REDACTED]
Abstain- [REDACTED]

3. News, announcements, Facilities Manager Report

[REDACTED] reported:

- As part of a building wide change to LED lighting the Main Campus facility changed hallway lighting to LED lights. Staff are currently evaluating LED lights to ensure there will no effect on behavioral animal models before using LED lights in animal rooms;
- There have been a number of animal exports and imports recently;
- [REDACTED] conducted the veterinary inspection of Main Campus facility this morning.
- Preparation for space reduction at the Health Sciences Campus is continuing and awaiting further guidance from the Vice President for Research as to the timing of the pending reduction. [REDACTED] recent sent a note to [REDACTED] on the Health Sciences Campus about the forthcoming change.

[REDACTED] made comments on his inspection of the main campus facility. [REDACTED] with praise for the cleanliness of the facility. [REDACTED] identified a concern for the health animals in static caging since their

bedding is only changed weekly. [REDACTED] is concerned that the resulting fumes could impact the animal welfare and the research. [REDACTED] indicated that additional ventilated caging is available at the Health Sciences Campus facility and the University is planning to move the caging with other equipment and supplies as part of the downsizing of the Health Science Camps facility. [REDACTED] indicated that this issue would be brought to the IO as part of a discussion of how resourcing effect research.

[REDACTED] also identified expired food and chemicals in the storage room to the facility manager who promptly addressed the issue. [REDACTED] identified that signage in the facility needed to updated. [REDACTED] will address updates to signage.

4. Semi-Annual Report

[REDACTED] provided a summary of inspections and program review. The Committee did not identify any significant deficiencies concerning the UA animal program. Minor findings from Spring Semi-Annual Review due for correction by October, 2020 are still in progress. Delays were result of shift to remote/electronic operations and workload issues due to university's COVID-19 response. Corrections will be substantially, if not fully, completed during extended campus winter intercession. Projected completion - March 2021.

The IACUC members were reminded to review, sign, and transmits signature page via e-mail.

5. Old Business: None

6. New Business:

IACUC Study Submission Reviews:

<u>Review Application Number</u>	<u>Principal Investigator</u>	<u>UA Department</u>	<u>Study Title</u>	<u>Type</u>
714	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Application 714 – [REDACTED]

No member indicated a conflict of interest with the application.

Before the review, [REDACTED] verified that CV and committee had received the answers to questions/requested clarifications from [REDACTED] had been forwarded to them prior to the meeting.

[REDACTED] provided a summary of the modification request, including outline of protocol 19-014. The purpose of this protocol is to determine a mechanism through which gonadal hormones regulate sex differences in disorders such as depression and anxiety. In this modification, [REDACTED] requesting to add thelectomy of 10 female mice and a behavioral test (shock procedure.)

[REDACTED] indicated that the requested modifications are relevant to aim of the protocol. [REDACTED] plan is to provide measures to reduce/minimalize pain and distress of animals post-surgery are appropriate. Noted was that [REDACTED] not provided a timeline for the use of mice: timing of mating, surgery, data collection and endpoint; also effect of the surgery on any pups. Discussed also was that the experimental procedures should clearly convey where the procedures will take place. Also to be clarified is the maximum number of animals tested and if they will be drawn from multiple cages so that potential for aggression between the animals may be evaluated and mitigated.

Motion was made to require modifications to secure approval. The motion was seconded and approved [REDACTED]

Approve - [REDACTED]
Disapprove - [REDACTED]
Abstain - [REDACTED]

The committee also voted [REDACTED] allow the [REDACTED] to review the requested changes under Designated Member Reviewer procedures.

Approve - [REDACTED]
Disapprove - [REDACTED]
Abstain - [REDACTED]

Study Application 702 [REDACTED] – Require Modification to Secure Approval:

The IACUC has reviewed your study application for protocol 19-014, entitled, [REDACTED] [REDACTED] at a convened meeting on November 17, 2020. The IACUC has determined that you request will require modifications to secure final approval as follows:

1. **Provide additional details of experimental procedures for the thelectomy. Be sure to:**
 - a. Provide clear timeline of e including mating, surgery, data collection points and end points;
 - b. Explain what will happen to any pups born to animals that have undergone thelectomy.
2. **Revise [REDACTED]**
 - a. Section 2.0 Responsibility – please remove [REDACTED], and update your name
 - b. Section 5.0 Behavioral testing for Adult mice – “10 mice at a time are placed into the Med Associates shock chamber.” NOTE -- If mice from multiple cages will be placed in the chamber, explain the anticipated effect to animal stress and explain how possible aggressive behavior will be addressed.
3. ***Peroxigard* or equivalent must be used to decontaminate behavioral test equipment. Please revise:**
 - a. Supplemental form 2 – Behavioral Testing –
 - b. SOP 31 Section 4.2

7. Other business?

[REDACTED] indicated that the extended intercession (will be both December and January) to work on administrative updates. The next IACUC meeting is not yet scheduled. If an IACUC application requires full committee review prior to the Spring semester, members will be polled for their availability to schedule a meeting. The search for a new IACUC Chair is underway with aim to have one appointed to begin in the Spring semester.

7. Meeting Adjourned: 11: 25 pm



IACUC Meeting Minutes

December 22, 2020 10:00 AM

IACUC Members Present:

Regrets:

Number of voting members present:

Quorum met?

Key: S (Scientist), NS (Non-Scientist), NA (Non-Affiliated), A (Affiliated), CV (Consulting Veterinarian)
ORRC (Office of Regulatory and Research Compliance), LAR (Lab Animal Resources), NV (Non-Voting, Ex-Officio member)

Regulatory Compliance Staff Present:

1. Meeting Called to Order: 10:00 a.m.

2. Approval of December 17, 2020 Minutes

The committee reviewed the minutes and identified no changes needed.

Motion was made to approve the minutes. The motion was seconded and approved

Approve -
Disapprove -
Abstain-

3. News, announcements, Report

N/A

reported New York State Facility Inspection. Department of Health (DOH) conducted annual animal facility inspection in both the Life Science Campus Facility and the Health Science Campuses Facility. There was any major deficiency, yet the DOH suggested to provide more veterinarian support since many of our animal research involves invasive procedures.

4. Old Business: None

5. New Business:

IACUC Study Submission Reviews:

<u>Review Application Number</u>			<u>Study Title</u>	<u>Type</u>
708				
698				

Application

No member indicated a conflict of interest with the application.

provided a summary of the study protocol. This is a triennial renewal review, and the purpose of this protocol is to determine for the first time the properties of the neural stem cells in young adult and aged mouse brain by utilizing mice. The goal is to determine the properties of the neural stem cells (NSCs) in young adult and aged mouse brain.

indicated that there is major issue on submitted surgery form for survival surgery. While listed three different types of surgery, yet not include detail – such as animal number to receive surgery, are animals receive one type of surgery or multiple surgeries. Also, while listed three different surgeries, submitted only one surgery procedure document. More detailed information for survival surgery need to be submitted.

Motion was made to require modifications to secure approval. The motion was seconded and approved

Approve -
Disapprove -
Abstain-

committee also voted to allow to review the requested changes under Designated Member Reviewer procedures.

Approve -
Disapprove -
Abstain-

Study Application

The IACUC has reviewed your study application for triennial renewal of protocol 17-018, entitled, at a convened meeting on December 17, 2020. The IACUC has determined that your request will require modifications to secure final approval as follows:

1. With regard to the LAR SOP on tail biopsy, IACUC prefer that use a sterile blade rather than a sharp scissors when performing a tail biopsy on mice older than 3 weeks, as the scissors tend to crush tissues in addition to cutting, and older neonates have bone in their tails by that age. Please revise.
2. LAR SOP 301: Euthanasia have been updated. Please use the latest version.
3. With regard to the use of tamoxifen, the IACUC are concerned about the potential hazards associated after the drug is given to the rodents. The husbandry materials are hazardous for several days after administration. or other responsible group must weigh in how to handle the bedding and soiled caging. At minimum the cages must be labeled for tamoxifen after the mice are injected. In the separate document, please provide detailed information how to handle tamoxifen and process of waste disposal.
4. states that plasmid DNA and/or DNA constructs will be given to the mice. Has the biosafety committee notified about this, and did they render an opinion on what biocontainment level should be used? Please provide update from the Biosafety committee.

5. Similarly, what is the origin of the CNS stem cells, murine or human? If human, then the IBC needs to be notified and render a verdict on biocontainment level.
6. With regard to the surgery associated with brain injection. how is the chromic gut used during closure? It is a resorbable material and therefore should not be visible after closure. Please provide descriptions.
7. For survival surgery – there are three types of surgeries listed: [REDACTED] et not clear how many animals receive each surgery, and/or which type of surgery. Please indicate how many animals go to those surgery/surgeries.
8. For survival surgery – Relate to item 6, Provide detailed procedure for each survival surgery; [REDACTED]
9. For survival surgery – while 3 different surgeries listed in the surgery form (survival surgery) yet only one surgery SOP 204: [REDACTED] Is this SOP cover all survival surgeries? Please confirm. If this SOP not covered all listed surgeries, submit SOP for each procedure.

Application 698- [REDACTED]

No member indicated a conflict of interest with the application.

[REDACTED] provided a summary of the study protocol. [REDACTED] is proposing to study the [REDACTED] using a controlled Rat Contusion Injury model. [REDACTED] research is supported by the Department of Defense. Overall goal of this study is to completion of the proposed experiments will generate the data necessary to evaluate [REDACTED] and provide the data necessary for submission through FDA of a Pre-Investigational New Drug Application.

[REDACTED] indicated that Proposed study is complicated – [REDACTED] has three main aims with multiple sub aims. All submitted experimental procedure documents did not follow proper format, and lack of detailed information to review. Even experimental time lines are written well yet animal numbers are inconsistent through the application. There is major issue on euthanasia methods – [REDACTED] listed six different ways of euthanasia yet not provided detail. [REDACTED] needs to update experimental procedure documents with appropriate format to clarify each method. There were a number of additional questions and clarifications required by the committee.

Motion was made to require modifications to secure approval. The motion was seconded and approved [REDACTED]

Approve - [REDACTED]
Disapprove - [REDACTED]
Abstain- [REDACTED]

The committee also voted [REDACTED] withhold approval of current application, and the IACUC to review the requested changes under the next scheduled full board meeting.

Approve - [REDACTED]
Disapprove - [REDACTED]
Abstain- [REDACTED]

Study Application 698 – [REDACTED] :

The IACUC has reviewed your study application entitled [REDACTED]
[REDACTED] a convened meeting on December 17, 2020. The IACUC has determined
withhold approval if current submission. The IACUC request will require modifications, and review by the full
committee meeting to secure final approval as follows:

7. Other business?

The next IACUC meeting is not yet scheduled. If an IACUC application requires full committee review prior
to the Spring semester, members will be polled for their availability to schedule a meeting.

8. Meeting Adjourned: 11: 20 pm