

MICHIGAN STATE UNIVERSITY

MICHIGAN STATE UNIVERSITY INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE April 14, 2022

The 629th meeting was called to order by the chair via teleconference, on Thursday, April 14, 2022, at 9:02 a.m.

PRESENT: Chair; Interim AV; 8; 9; 13; 19; 33; 40; 41; 43; 44; 47; 48; 51; 52; 53

ALTERNATES: 35; E1

ABSENT: 46; 50; 54; 55

ALSO PRESENT: S3; S4; IACUC Research Liaison; [REDACTED] veterinary student; [REDACTED]; [REDACTED]; [REDACTED]

A quorum was present and acting, and due notice had been delivered.



Animal Care Program

**Institutional Animal
Care and Use
Committee
Michigan State
University**

4000 Collins Road, Room 145
Lansing, MI 48910

517-432-8103
Fax: 517-432-8105
[REDACTED]
www.iacuc.msu.edu

Agenda Item 1: Introductions –The new IACUC Research Liaison was introduced to the committee

Agenda Item 2: Approval of the minutes:

- a. Barring any objections, the minutes from March 10, 2022, meeting were accepted as written.

Agenda Item 3: Monthly Activity Reports:

- a. Full Committee Review of Protocols / New
 - PROTO202200101 – The goal of this protocol is to identify a means of generating experimental animals through the propagation and rearing of sea lamprey in controlled environments (e.g., improving growth rates, reducing mortality rates). Doing so will reduce the burden of collection efforts by Government agencies (US Fish & Wildlife Service, Department of Fisheries & Oceans Canada) and enable new research lines to control sea lamprey. The Principal Investigator (PI) attended the meeting to introduce himself and the research. There were questions regarding experiments/procedures, animal justification, breeding, and adverse consequences. There being no further discussion, a motion was made to send to designated member review. The motion carried unanimously.

- PROTO202200113 – The goal is to create a practical and useful culture program to produce larval lamprey that physiologically resembles wild animals as closely as possible given natural variance. The aim of these experiments will be to compare the physiology and behavior of lab-reared larval lamprey to wild-caught individuals. The PI attended the meeting to introduce themselves and the research. There were questions regarding experiments/procedures and adverse consequences. There being no further discussion, a motion was made to send to designated member review. The motion carried unanimously.
- PROTO202200162 – The specific objectives of the proposed project are to develop a reproducible state of hypocalcemia in laying hens by feeding calcium-deficient diets and to characterize calcium mobilization by evaluating serum biomarkers of bone turnover, ionized calcium, and phosphorus levels. There were questions regarding experiments/procedures, housing, euthanasia, and adverse consequences. The PI was also asked to provide biosecurity measures taken to prevent the spread of Highly Pathogenic Avian Influenza. There being no further discussion, a motion was made to send to designated member review. The motion carried unanimously.
- PROTO202200137 – This project will use standard protocols to harvest neurons from E19 mouse fetus. These neurons will be verified by common molecular tools before subjecting these cells for the experiments, including p-tau treatment for disease mechanisms and drug discovery studies. The PI attended the meeting to introduce themselves and the research. There were questions regarding lay summary, funding, and experiments/procedures. There being no further discussion, a motion was made to send to designated member review. The motion carried unanimously.
- PROTO202200154 – The purpose of this research is to document the status of gamefish populations and the predator-prey balance prior to a habitat restoration project in an artificial sandpit lake. There were questions regarding experiments/procedures. There being no further discussion, a motion was made to send to designated member review. The motion carried unanimously.

b. Full Committee Review of Amendments

- AMEND202200105 – PI wants to administer hrFSH to cattle and collect ovaries. The scientific evidence provided needs to be submitted by the PI as a response to FDA. In addition, the committee recommended that the PI specifically ask if their suggested 30-day meat withhold time will be allowable

after the use of the recombinant FSH in cattle. If FDA approves the 30-day meat withhold time, the PI should provide the written approval to IACUC.

- AMEND202200162 – PI attended the meeting to discuss a veterinary teaching course where animals are euthanized for necropsy education. The PI was asked to clarify the source of the animals to ensure cull animals are used. There being no further discussion, a motion was made to send to designated member review. The motion carried unanimously.

Agenda Item 4: Program Review

- a. Semiannual Facility Inspections – inspections have begun.
 - [REDACTED] Farms – Meeting will be scheduled for researchers, facilities management, and veterinary staff in preparations for AAALAC and USDA inspections of facilities.
 - [REDACTED] farm inspection – rooms housing [REDACTED] raised concern. Facility managers were asked to create designated “hospital pens” for the compromised animals. Interim AV will meet with the PI and farm manager to discuss expectations and updates required to protocol(s).
- b. Guideline Review – the following guidelines were provided to the committee prior to the meeting for review. The guidelines were unanimously approved and will be posted on the program website.
 - IG011 Establishment of Humane Endpoints
 - IG016 Maintenance of Equipment Used for Decapitation
 - IG020 Animal Care Provided within CAR Facilities by Investigator Staff
 - IG046 Guideline on Animal Enrichment

Agenda Item 5: Training

- a. Click Topics – None
- b. “Renewed Responsibility” *Lab Animal*, Volume 51, No.3 – Tabled to May meeting
- c. The article for discussion was provided to the committee in advance of the meeting:
 - Grimm, David. “Animal care panel sues own university, fearing harassment from animal rights activists.” *Science*, 15 Mar. 2022, <https://www.science.org/content/article/animal-care-panel-sues-own-university-fearing-harassment-animal-rights-activists>
- d. IACUC 101 Training: May 12-13, 2022 – information will be provided as it becomes available. Any committee members interested are encouraged to attend.

Agenda Item 6: Post Approval Monitoring Report

- a. March Laboratory Inspection Report – Laboratory inspections and post-approval monitoring for the month of March were performed. AAALAC preparation is also being discussed at inspections.
- b. Semiannual Facility Inspection Calendar – calendar provided for upcoming inspections.

Agenda Item 7: Environmental Health and Safety Report

- a. Controlled substance disposals have been scheduled
 - Main Campus – end of April 2022
 - [REDACTED] Research Center – mid-May 2022

Agenda Item 8: Attending Veterinarian Report

- a. Power outage at [REDACTED] research farm – due to the power outage, the water source was switched over; no generators were needed, and power was restored within 24 hours.

Agenda Item 9: Compliance Update – None

Agenda Item 10: New Business

- a. Future IACUC meetings – going forward, members wishing to attend the meeting at the conference room on campus are invited to attend

Agenda Item 11: Old Business

- a. AAALAC Prep – preparations continue. Planning committee meets monthly.
- b. AV Search – candidates have come to campus for introductions and presentations; search committee will meet for further candidate evaluation
- c. FOIA – requested information sent, waiting for updates from university FOIA office

Agenda Item 12: Other (Informational items) – None

Agenda Item 13: The next scheduled meeting will be May 12, 2022

THIS MEETING WILL BE HELD VIA TELECONFERENCE & IN PERSON

There being no further business to discuss, the meeting was adjourned at 11:00