

IACUC Contact Information

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IACUC Chairperson

Name: Jean Hardwick

Title: Professor, Biology

Degree/Credentials: PhD

PHS Policy Membership Requirements***: Non Scientist

Address:
(b) (4) Center for Natural Sciences
953 Danby Road
Ithaca, NY 14850

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IACUC Roster [Provide below or attach]

Name of Member/ Code*	Degree/ Credential	Position Title/ Occupational Background**	PHS Policy Membership Requirements***
(b) (6)			Nonaffiliated/Nonscientist
Jean Hardwick	PhD	Professor	Scientist
Leann Kanda	PhD	Assistant Professor	Scientist
(b) (6)			Veterinarian
(b) (6)			Member
Warren Calderone	MPH in Health Policy and Administration	Director, Sponsored Research	Member
Susan Allen-Gil	PhD	Professor	Scientist
(b) (6)			Member
(b) (6)			Non-Scientist

Date: September 28, 2017

To: (b) (6)

From: Jean Hardwick, IACUC Chair

Re: Semiannual Evaluation of Animal Care and Use Program and Inspection of Facilities

This represents the semiannual report of the Ithaca College Institutional Animal Care and Use Committee (IACUC), as required by the PHS Policy on Humane Care and Use of Laboratory Animals and as a condition of this institution's Animal Welfare Assurance on file with the Office of Protection from Research Risks, and USDA Animal Welfare Regulations, 9 CFR Chapter I, subchapter A, as applicable.

Evaluation of the Animal Care and Use Program

The IACUC conducted its semiannual evaluation of the institution's animal care and use program on September 8, 2017 using the Guide for the Care and Use of Laboratory Animals (Guide), 8th edition, and as applicable, 9 CFR Chapter I, 2.3.1.

No deficiencies in the animal care and use program were identified, and all aspects of the program are consistent with the PHS Policy, the Guide, and applicable Animal Welfare Regulations.

The committee has some membership changes:

(b) (6) – Lab Technician – New Member

Inspection of Animal Facilities

The IACUC inspected the animal facilities on September 8, 2017 using the Guide, and as applicable, 9 CFR Chapter I, 2.3.1.

Facility Inspection was completed per requirements.

There are environmental issues in the Williams building that are currently being looked into.

The breeding rats have been moved to a different location until the environmental control issues are fixed.

Minority Views

No minority views were raised.

Minutes

A copy of the minutes, the program review, and the facilities inspection checklist are attached.

IACUC Meeting
9-8-2017

Members Present

Susan Allen-Gil; (b) (6) Jean Hardwick; Leann Kanda; (b) (6)
(b) (6)

Members Excused

(b) (6)

Non-Voting Members

Warren Calderone (b) (6)

Guests

(b) (6)

I. New Business

Discussion Notes

The new Axiom Mentor System was discussed and the following suggestions were brought forward by the group:

- Create instructions for the faculty for how to use the website.
- Create text boxes to past information into for protocols.
- It was mentioned that sections from the old form are missing from the new form.
- It was also mentioned that we need to refine the protocols so we aren't reviewing things we don't need to be.
- Jean will look over the protocols and the software and send a summary out to the committee members to see if they have any recommendations to alter it in any way.

Update

- It was decided that the committee would move to a 3 year program with annual updates for protocols.
 - Everyone will be required to send an annual update and acknowledge that they are still following the existing protocol.
 - Faculty can indicate if they only want the protocol to be active for one year.

SOPs

- The group agreed that there should be a standard SOP that is approved by IACUC for colony maintenance rather than tied to each individual experiment.
- The SOPs would be created for each breed.
- This will be put on the SOP section of the IACUC website.

Adverse Event

- Jean talked with the group about the adverse event that will be getting reported.
 - There are environmental issues in the Williams building that are currently being looked into.
 - The breeding rats have been moved to a different location until the environmental control issues are fixed.

A. New Protocols - Full Review

1. Mechanisms of sensory neuron function and development in zebrafish - IACUC #10

Principal Investigator: Ian Woods

Protocol Description

08/30/2017 iwoods_IACUC_2017.docx

Notifications

09/01/2017 Date of Completion Notification - IACUC ID: 10.pdf

Discussion Notes

Protocol approved.

2. Ethanol intoxication and withdrawal-induced alterations in brain and behavior

across ontogeny - IACUC #11

Principal Investigator: Tamara Fitzwater

Protocol Description

09/01/2017 Additional materials_Fitzwater

Notifications

09/04/2017 Date of Completion Notification - IACUC ID: 11.pdf

Discussion Notes

Tamara's protocol was approved with minor revisions. She will be asked to proofread the protocol for typos and grammatical errors.

3. Impact of water pollutants in the ecology of freshwater fish - IACUC #12 Late Submission

Principal Investigator: Susan Allen-Gil

Protocol Description

09/01/2017 Animal Use Protocol-17 Allen-Gil.doc

Notifications

09/04/2017 Date of Completion Notification - IACUC ID: 12.pdf

Revised Protocol

09/04/2017 Animal Use Protocol-17 Allen-Gil.doc

Discussion Notes

Susan's protocol was approved. She will be asked to create a new document with just the text portions and leaving out all the additional information from the old protocol.

4. Animal Physiology Laboratories - IACUC #5

Principal Investigator: Jean Hardwick

Protocol Description

08/22/2017 Animal Physiology IACUC protocol.docx

Notifications

09/04/2017 Date of Completion Notification - IACUC ID: 5.pdf

Discussion Notes

Protocol approved.

5. Effect of trails on mouse movement - IACUC #6

Principal Investigator: Leann Kanda

Additional Documentation

08/23/2017 SOP Wild Mouse Mark 2015.docx

Protocol Description

08/23/2017 Smammal IACUC 2017 Description.docx

Notifications

09/04/2017 Date of Completion Notification - IACUC ID: 6.pdf

Discussion Notes

Protocol approved.

6. Maternal effects in dwarf hamsters: does maternal stress during gestation influence corticosterone levels or behavior of the young? - IACUC #8

Principal Investigator: Leann Kanda

Protocol Description

08/23/2017 Hamster-Maternal IACUC 2017 Description.docx

08/23/2017 Hamster-Maternal IACUC 2017 Description.docx

Notifications

09/01/2017 Date of Completion Notification - IACUC ID: 8.pdf

Discussion Notes

Protocol approved.

7. Ithaca College Aquaponics Research - IACUC #9

Principal Investigator: Paula Turkon

Protocol Description

08/29/2017 IACUC app Fall 2017 Turkon.docx

Notifications

09/01/2017 Date of Completion Notification - IACUC ID: 9.pdf

Discussion Notes

Protocol approved.

II. New Business - DMR Approvals

A. New Protocols - DMR Review Approved

1. Wildlife trap and release survey for BioBlitz 2017 - IACUC #7

Administrator Notes
Approved

Principal Investigator: Leann Kanda

Designated Member Review Approved:

Designated Member Reviewer: Jean Hardwick

Designated Member Reviewer: (b) (6)

Protocol Description

08/23/2017 BioBlitz2017 IACUC Description.docx

Notifications

08/28/2017 Designated Member Review Approved by Chair - IACUC ID: 7.pdf

Approved Application Sections

08/28/2017 ApprovedApplicationSections.pdf

Reviewer Notes

08/23/2017 Designated Member Reviewer Review Notes.pdf

08/25/2017 Designated Member Reviewer Review Notes.pdf

III. Inspection Reports

Adverse Event – Rat Facility (Williams 011C)

Following the spring IACUC meeting, Dr. Fitzwater and the animal technician informed the Chair that they were seeing high levels of pup loss in the rat colony in Williams. In May of 2017, there was a 60% mortality of pups within the first 2-3 weeks of life. Since this problem had been observed earlier (although to a lesser degree), the rat facility instituted several changes to try to reduce pup death, including increased cage size, increasing/changing bedding, and providing high nutrition chow to pregnant and nursing dams. None of these changes were successful. In the spring, we contacted the Laboratory Animal Care office at Cornell Veterinary School of Medicine for advice. The vets there performed necropsies on two different rat pups and also took samples to test for potential viruses. The results showed no evidence of virus and the pups showed signs of malnutrition, suggesting that either the pups were not nursing appropriately or the mothers were not providing sufficient maternal care. Based on these results, we have shifted our attention to the environmental conditions within the facility. Most recently, we have instituted the following changes.

1. Breeding rats have been relocated to a room in the CNS vivarium. Over the next few months, we will monitor the pup survival rate within this facility, with the anticipation that the rats will breed and develop normally. This would reinforce our hypothesis that something within the environment of Williams facility is stressing the dams and/or pups.
2. The room previously used for breeding in Williams will undergo a thorough cleaning, painting and inspection. We will test for potential mold in the air and all air handling vents and ducts will be thoroughly cleaned and checked.
3. An engineering study will take place this year to assess the current environment controls for both Williams and CNS to make recommendations for changes needed to better control temperature, humidity, light and overall environment for our living animals.
4. We will report back to the IACUC with the results of these efforts as we receive the information.

Signature of IACUC Members for Submittal of Provost Report:

September 8, 2017 Meeting

(b) (6)

Warren Calderone
Director of Corporate, Foundation Relations,
and Sponsored Research

(b) (6)

Jean Hardwick, Chair
Professor, Biology

(b) (6)

Leann Kanda
Associate Professor, Biology

(b) (6)

Susan Allen-Gil
Professor, Environmental Studies and Science

ITHACA COLLEGE
Institutional Animal Care and Use Committee (IACUC)
Academic Year 2017-18 – Fall 2017

(b) (6)

Chair-Jean Hardwick, Professor
Department of Biology

Leann Kanda, Associate Professor
Department of Biology

(b) (6)

Susan Allen-Gil, Professor
Department of Environmental Studies & Sciences

Warren Calderone
Director of Sponsored Research

(b) (6)