

SEMIANNUAL REPORT
ANIMAL CARE AND USE
PROGRAM REVIEW AND FACILITY INSPECTION
OF THE

**National Institute on Aging
Intramural Research Program**

April 2020

Section A – Site Visits & Program Review

- 1) Inspections of the National Institute on Aging (NIA) animal facilities (AF) and areas where any surgical manipulations (Surg) are performed (as applicable) were conducted as indicated below:

Location	Type	Date	ACUC Members
Redacted by agreement	AF, Surg	03/28/2020	Zamora, Redacted by agreement Redacted by – (approved as qualified ad hoc inspectors)

- 2) Visits by at least one member of the ACUC to all remaining areas where animal activities were performed were conducted. These visits occurred during the previous six months and findings and corrective actions are described in this or the previous semiannual report.
- 3) The following documents were used as the basis for review of the animal care and use program:

	Document/Resource
✓	<i>Guide for the Care and Use of Laboratory Animals, 8th Edition (Guide)</i>
✓	NIH OACU “Animal Program Semiannual Assessment Checklist”
✓	Semiannual Inspection Summary

- 4) The program review was conducted in the following manner:

	Program Review Process
✓	Full committee member review for ALL of the review, i.e. the documents/resources listed in A3. are included in the meeting packet and reviewed at a convened meeting.
	Full committee and subcommittee review, i.e. the documents/resources listed in A3. are assigned to various members who review their parts/sections and then the reviews are discussed with the full committee for a final review/approval.
	Designated member review, i.e. the documents/resources listed in A3. are assigned to various members who review their parts/sections and then report the results of their designated review to the full committee.

Section B – Regulatory Compliance:

Except as noted in Sections F and G, below, the facilities and program are in full compliance with the Public Health Service Policy, the USDA *Animal Welfare Act Regulations (AWARs)*, and the *Guide*, which were used as the basis for this evaluation.

Section C – Program Changes:

The following administrative and procedural changes have occurred since the program was last evaluated:

1) Administrative/Procedural Changes: *None*

2) Key Personnel Changes:

Role	Name	Action
ACUC AV Alternate	Redacted by agreement	Departed
ACUC AV	Bernadette Zamora	Joined

3) Animal Facility/Area Changes: *None*

Section D – Guide Departures & USDA Exceptions:

Departures from the standards of the *Guide*, and exceptions to the USDA *AWARs*, which have been approved by the ACUC, include the following:

1) Departures from the *Guide*:

Guide Departure	Guide Citation	Justification
Nonhuman primates on a long-term food regulation study are weighed at least quarterly, instead of weekly. The diet is formulated to ensure that animals receive nutrient levels that meet or exceed the National Research Council's guidelines for NHP nutrition. Food intake and output is monitored twice daily.	Page 31	Scientific
Mice will be exposed to temperatures outside the <i>Guide</i> recommendations (up to 30°C). Although temperatures are outside the regulatory range, they are still within the documented thermoneutral zone for the mouse and are not expected to cause distress.	Page 44	Scientific

2) Exceptions to the *AWAR*: *None*

Section E – Previous Deficiencies & Plans:

The ACUC validated that the plans and schedules for deficiencies noted during the previous NIA program review, and facilities and laboratory inspections were achieved within the time intervals projected on the previous semiannual report.

Section F – Current Deficiencies & Plans:

Deficiencies found *over the past 6 months* during NIA program review, facility inspections, and laboratory inspections, are as follows:

#	Deficiency	¹ M/S	Location	Correction Plan	Responsible Party	Scheduled Completion Date	² Status: C/P
1	Expired supplies (autoclaved food)	M	Redacted by agreement	Dispose of expired supplies	Facility Manager	03/30/2020	C
2	Dirty floor with old/used gloves	M		Clean and organize room	Facility Manager	03/30/2020	C
3	Eyewash last date of inspection listed as 3/9/2019	M		Door sheet and eyewash card up to date. New date was on the back of the eyewash card	Facility Manager	04/13/2020	C
4	Recapped needles observed in sharps container	M		Sharps container discarded and replaced	Facility Manager, PI	04/13/2020	C
5	Case of autoclaved water half-filled without a cover	M		Dirty water removed	Facility Manager	04/13/2020	C
6	Floor drain for water maze not covered	M		Hose removed from the drain and drain covered	Facility Manager, PI	04/13/2020	C
7	One BSC has the front sash propped open by a stack of 4 plastic containers and 1 cracked glass beaker (~1 liter each in volume)	M		Containers removed and sash closed. Hood labeled “do not use”.	Facility Manager, PI	04/13/2020	C
8	Dirty specimen ice bucket with mouse feces & disorganized procedure room	M		Wash ice bucket and straighten up procedure room	Facility Manager	04/09/2020	C
9	Disorganized storage of supplies, e.g., screwdriver and used Styrofoam tube holder on top of boxes of open nitrile gloves, rat cage used for storing sterile gloves	M		Supplies organized, sterile gloves placed in clean container, and rat cage removed	Facility Manager, PI	04/13/2020	C
10	Lab missing “1-2-3” safety sign	M		Acquire sign from the NIA safety office	Facility Manager, PI	04/07/2020	C

¹M=minor; S=significant

²C=corrected; P=pending

Section G – Reportable Events:

PHS Policy (i.e. OLAW) reportable events that occurred in the last 6 months or that are still awaiting final disposition are as follows:

SA First Noted	Description of Event	Status
Spring 2020	Four mice were euthanized via isoflurane, but the Investigator failed to use a secondary method (per NIA protocol) to ensure death and returned the cage to the rack. The animals were discovered dead in their home cage.	Resolved 03/2020

Section H – Shared & Central Facilities:

This semiannual report also encompasses review and oversight of animals and animal activities which were present or occurred in shared or central facilities. Deficiencies were noted and transmitted directly to the facility, and if necessary, to the responsible ACUC. These reviews were conducted as indicated below:

Building	Date	ACUC Members
Redacted by agreement	N/A	N/A (Inspection not conducted as per approved waiver from OLAW)
	03/16/2020	Redacted by agreement, Zamora, Redacted by agreement

Section I – Minority Report

There *is not* a minority report filed with this semiannual report.

NIA ACUC Member Signatures:

Redacted by agreement

Jeff Long
ACUC Chair

Redacted by agreement

Bernadette Zamora
Attending Veterinarian

Redacted by agreement

Redacted by agreement

April 30, 2020

Assurance#: A-4149-01

Date: _____

Institutional Animal Care & Use Committee Roster

Member Name	Degree/Credentials	Position Title	PHS Policy Membership Role	New Member
Jeff Long	PhD	Principal Investigator	Chair	<input type="checkbox"/>
Bernadette Zamora	DVM, DACLAM	Facility Veterinarian	Attending Veterinarian	<input checked="" type="checkbox"/>
Redacted by agreement				<input type="checkbox"/>
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ACUC Chair Mailing Address & Phone #:

National Institute on Aging

Redacted by agreement

Attending Vet Phone #:

Redacted by agreement

NATIONAL INSTITUTES OF HEALTH
Facilities and Animal Species Inventory Table
Assurance Number: A-4149-01

IC Name: National Institute on Aging

Semiannual Report Submission Date: April 30, 2020

Spring Program Review Date(s):	4/13/20					
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Fall Program Review Date(s):						
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Bldg/Area/Rm	Facility Insp. Date(s) Spring / Fall		AF/SF; Gross Sq. Ft.	Species Housed			Average Daily Inventory		
Redacted by agreement	3/28/20		Redacted by agreement	¹ Mice	² Rats	³ Rabbits	¹ 19,000	² 900	³ 5
				⁴ Guinea Pigs	⁵	⁶	⁴ 2	⁵	⁶
				¹	²	³	¹	²	³
				⁴	⁵	⁶	⁴	⁵	⁶
				¹	²	³	¹	²	³
				⁴	⁵	⁶	⁴	⁵	⁶
				¹	²	³	¹	²	³
				⁴	⁵	⁶	⁴	⁵	⁶
				¹	²	³	¹	²	³
				⁴	⁵	⁶	⁴	⁵	⁶

Semiannual Report Attachment 3

Supplemental Information

Spring 2020

1. Number of approved Animal Study Proposals (ASPs) as of 30 April 2020:

68

2. Performance standards:

The NIA ACUC has approved the following species housed together in the same room: guinea pigs and rats (one room); and mice and rats (one room). The animals are housed such that there is no visible contact between species and the cage changes are scheduled on different days. Additionally, animals are monitored for behavior and there have been no issues indicative of stress.

3. Veterinary Verification & Consultation:

VVC is one of the amendment review methods described in NIA ACUC Policy 004. A copy of the Policy is provided on the next page.

4. Animal Adoption:

An "Animal Adoption Agreement" is used to authorize transfer of ownership of research rats, mice, or rabbits that are not required for research use or whose study has been completed, for adoption as personal pets to individual animal research/care staff from the National Institute on Aging (NIA), Intramural Research Program (IRP). This agreement is used to fulfill the requirements mentioned in the NIH Policy Memo "Disposition of Laboratory Animals".

https://oacu.oir.nih.gov/sites/default/files/uploads/nih-policies/memo_disposition.pdf

Date of Adoption	Authorized Provider	Animal Information
10/1/2018	Redacted by agreement	One 8-yr-old, male/castrated, non-genetically modified, NZW research rabbit (<i>Oryctolagus cuniculus</i>) that was used for handling training