

SEMIANNUAL REPORT

ANIMAL CARE AND USE
PROGRAM REVIEW AND FACILITY INSPECTION
OF THE

NHGRI

October 2019

Section A – Site Visits & Program Review

- 1) Inspections of the **NHGRI** animal facilities (AF), satellite holding facilities (SF), USDA-defined study areas for regulated species (SA) and areas where any surgical manipulations (Surg) are performed (as applicable) were conducted as indicated below:

Location	Type	Date	ACUC Members
Redacted by agreement Two Incubators	SF	10/11/19	Clark, Redacted by agreement
Redacted by agreement Two Incubators	SF	10/11/19	Clark, Redacted by agreement
Redacted by agreement Incubator	SF	10/8/19	Clark, Redacted by agreement
Redacted by agreement Incubator	SF	10/4/19	Clark, Redacted by agreement
Redacted by agreement	SF/Surg	10/2/19	Clark, Redacted by agreement
Redacted by agreement Two Incubators	SF	10/18/19	Clark, Redacted by agreement
Redacted by agreement Incubator	SF	10/18/19	Clark, Redacted by agreement

- 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:
X	Guide for the Care & Use of Laboratory Animals, 8 th Edition (Guide)
X	AAALAC Program Description
	OACU "Animal Program Semiannual Assessment Checklist" (1 page summary)
	OACU/OLAW "Semiannual Program Review & Facility Inspection Checklist" (24 pages)
	Other documents/resources (please specify)
X	NHGRI Disaster Plan
X	OACU "Animal Program Semiannual Assessment Checklist" tailored to include NHGRI-specific information

A comprehensive summary review was performed at the 10/30/19 ACUC Meeting.

Additional Topic Review Dates and Topics:

Fall Program Review Date(s) & Topics	6/25/19 Reviewing protocols (De-novo and annual)- discussion about each committee member's approach	7/24/19 USDA Policy #3	8/27/19 ARAC Guideline on Significant Changes to Animal Study Proposals	9/26/19 FOIA Compliance	10/30/19 ARAC Guidelines for ACUC Oversight of Satellite Facilities, Study Areas, Laboratories and other Animal Activity Areas	
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4) The program review was conducted in the following manner:

	Program Review Process
X	Full committee member review for <i>ALL</i> of the review, i.e. the documents/resources listed in A3) are included in the meeting packet and reviewed at a fully 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 they discuss their reviews 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 back to the full committee the results of their designated review
	Other, please describe:

Section B – Regulatory Compliance:

Except as noted in Sections E and F below, the facilities and program are in full compliance with the Public Health Service Policy, the Animal Welfare Act Regulations 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:

[Redacted by agreement] replaced [Redacted by agreement] as the Alternate DOHS ACUC representative.

Room [Redacted by agreement] is no longer being used for temporary rodent housing.

Room [Redacted by agreement] was added to a NHGRI protocol for behavior testing.

Room [Redacted by agreement] was added to an NHGRI protocol for visual function testing.

A new annual review format was created and put into use in June 2019.

One incubator previously in Redacted by agreement was sent to surplus. It may be replaced at a later date.

New semiannual program review checklists were created for evaluating rodent housing rooms, zebrafish housing rooms and laboratories.

NHGRI ACUC Guideline 00.1 “Guideline and Procedures for Retro-orbital Bleeding in Mice” was retired and investigators will follow the NIH ARAC Survival Bleeding in Rodent Guideline. In lieu of this guideline, an SOP for retro-orbital bleeding was created.

NHGRI ACUC Guideline 00.2 “Guideline and Procedures for Genotyping Mice” was retired and investigators will follow the NIH ARAC Rodent Genotyping Guideline and the NHGRI SOP for tail biopsies.

NHGRI ACUC Guideline 01.3 “Identification Methods for Mice” was retired and was replaced by a SOP.

NHGRI ACUC Guideline 04.2 “Guideline and Procedures for Perfusion in Mice” was retired and was replaced by a SOP.

NHGRI ACUC Guideline 04.3 “Guideline and Procedures for Terminal Blood Collection in Mice” was retired.

2) Key Personnel Changes - ACUC Chair, ACUC Attending Vet, APD, or Program Manager:

Role (ACUC Chair, ACUC AV, IC APD, or IC Animal Program Manager)	Name	Action (joined or departed)
N/A		

3) Animal Facility/Area Changes:

Facility Type (AF/SF)	Location	Action (opened, closed, under renovation, etc.)
SF	Redacted by agreement	opened

Section D – Guide Departures & USDA Exceptions:

Departures from the standards of the *Guide* and exceptions to the USDA *Animal Welfare Act Regulations*, which have been approved by the Animal Care and Use Committee, include the following:

1. Departures from the Guide:

Guide Departures	Guide Departure Citation (page #)	Justification (scientific, veterinary, or animal welfare)
Skin biopsies without surgical prep	Chapter 4 – Veterinary Care, Aseptic Technique Section, page 118	Scientific

2. Exceptions to the AWAR:

None

Section E – Previous Deficiencies & Plans:

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

	Deficiency and Plan	¹ M/S	SA 1 st noted	Location	Responsible Party	Status update	Revised completion date mm/dd/yy
1	No emergency power source for the incubator	M	Redacted by agreement	Install an emergency power outlet	Redacted by agreement	Due to power restrictions, unable to upgrade emergency power. In the event, of a power outage the embryos would be removed from the incubator (NHGRI Disaster Plan updated).	7/24/19
2	Equipment stored in the fume hood blocks the air baffles	M	Redacted by agreement	Store equipment on a shelf elevated above the baffles or remove it from the hood	Redacted by agreement	Completed	5/10/19
3	Flammable liquids stored in the chemical fume hood	M	Redacted by agreement	Store in a flammable storage cabinet	Redacted by agreement	Completed	5/10/19
4	No eye wash log	M	Redacted by agreement	Initiate eyewash testing log	Redacted by agreement	Completed	10/31/19
5	Several rows of breeding animals when protocol allows for 4-6 litters	M	Redacted by agreement	Reduce breeding or amend ASP	Redacted by agreement	Breeding numbers are in compliance	5/3/19
6	Breeder pairs housed in divided cages	M	Redacted by agreement	Provide justification for exception to the Guide or stop the practice	Redacted by agreement	Justification was provided	5/3/19
7	No documentation that filters in the aerosolization chamber have been changed	M	Redacted by agreement	Provide documentation of filter changes/ preventative maintenance	Redacted by agreement	Old chamber was replaced with a new chamber	10/22/19
8	Air Clean Hood needs to be certified	M	Redacted by agreement	Make arrangements with DOHS for certification	Redacted by agreement	DOHS could not certify this equipment. Verified that it is only used for cell culture.	8/16/19

¹M=minor; S=Significant

Section F – Current Deficiencies & Plans:

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

	Deficiency	¹ M/S	Location	Correction Plan	Responsible Party	Scheduled Completion Date (mm/dd/yy)	² Status: C/P
1	(b)(5)						
2							
3							
4							
5							

¹M=minor; S=significant²C=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: **[X] None**

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 Animal Care and Use Committee. These reviews were conducted as indicated below:

Building	Date	ACUC Members
Redacted by agreement	10/18/19	Clark, Redacted by agreement
	10/8/19	Clark, Redacted by agreement
	10/4/19	Clark, Redacted by agreement
	10/22/19	Clark, Redacted by agreement
	10/2/19	Clark, Redacted by agreement
	10/2/19	Clark, Redacted by agreement
	N/A	No animals in last 6 months
	10/2/19	Clark, Redacted by agreement
	10/2/19	Clark, Redacted by agreement
	10/9/19	Clark, Redacted by agreement (no animals in Redacted by agreement or in the last 6 months)
	10/11/19	Clark, Redacted by agreement
	N/A	No animals in last 6 months
	10/9/19	Clark, Redacted by agreement

Section I – Minority Report

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

NHGRI ACUC Member Signatures:

Redacted by agreement

David Bodine, Chair, ACUC

Redacted by agreement

Tannia Clark

Redacted by agreement

(Revised - 09/2019)

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

IC Name: National Human Genome Research Institute

Fall Semiannual Report Submission Date: October 31, 2019

Spring Program Review Date(s):	4/23/19					
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Fall Program Review Date(s):	10/30/19					
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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	4/9/19	10/11/19	3	1 Zebrafish	2	3	1 120	2	3
				4	5	6	4	5	6
	4/9/19	10/11/19	9	1 Zebrafish	2	3	1 500	2	3
				4	5	6	4	5	6
	N/A	10/8/19	3	1 Zebrafish	2	3	1 50	2	3
				4	5	6	4	5	6
	4/5/19	10/8/19	3	1 Zebrafish	2	3	1 250	2	3
				4	5	6	4	5	6
	4/10/19	10/2/19	12	1 Mice	2	3	1 4	2	3
				4	5	6	4	5	6

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Redacted by agreement	4/2/19	10/18/19	4	1 Zebrafish	2	3	1 200	2	3
				4	5	6	4	5	6
	4/2/19	10/18/19	4	1 Zebrafish	2	3	1 500	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