SEMIANNUAL REPORT

ANIMAL CARE AND USE PROGRAM REVIEW AND FACILITY INSPECTION OF THE

 ORS	
	_
October 2019	

Section A – Site Visits & Program Review

 Inspections of the ORS 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	Туре	Date	ACUC Members
Redacted by agreement	AF, Surg	8/14/19	Redacted by agreement Ascher
	AF, Surg	8/27/19	Green Redacted by agreement
	AF, Surg	8/21/19	Green
	AF, Surg	8/27/19	Green
	AF, Surg	8/14/19,	Redacted Ascher, Redacted by agreement
		8/29/19	agreement
	AF, Surg	8/27/19,	Green, Redacted by agreement
		8/21/19	
	AF, Surg	8/27/19,	Green,
		8/21/19	
	AF, Surg	8/29/19	Redacted by agreement
	AF, Surg	8/15/19	
	AF, Surg	8/15/19	Green Redacted by
	AF, Surg	8/15/19	Redacted by agreement
	AF, Surg	8/15/19	
	AF	8/15/19	
	AF	8/15/19	

- 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 document(s) was/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, 8th Edition (Guide)
	AAALAC Program Description
Х	OACU "Animal Program Semiannual Assessment Checklist" (1 page summary)
Х	OACU/OLAW "Semiannual Program Review & Facility Inspection Checklist" (24 pages)
	Other documents/resources:

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

	Program Review Process
X	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 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:

<u>Section B – Regulatory Compliance:</u>

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.

<u>Section C – Program Changes:</u>

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

1) Administrative/Procedural Changes:

- The LARC 8 animal care contract at NIHAC was awarded to Charles River Laboratories.
- The LARC_25 animal care contract in Redact was awarded to JS Technology, Inc.

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)
ACUC Co-chair	Redacted by	departed
	agreement	

3) Animal Facility/Area Changes:

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

<u>Section D – Guide Departures & USDA Exceptions:</u>

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: N/A

Guide Departures	Guide Departure Citation (page #)			

Exceptions to the AWAR: N/A

Species	# Animals Affected (this Period)	9CFR title/section	Description and Rationale

<u>Section E – Previous Deficiencies & Plans:</u>

The committee validated that the plans and schedules for deficiencies noted during the previous *ORS* 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 1st noted	Location Responsible Status update Party		Revised completion date mm/dd/yy	
1	Paint peeling near vent above isolators.	М	Fall 2018	Redacted by agree	ement	Waiting for the NIH paint team to schedule re- painting	12/30/2019
2	There is persistent peeling/chipping paint. This includes areas that were recently painted.	М	Fall 2018			A new paint company and product was used on the first 4 animal rooms. Two more rooms are scheduled to be painted.	12/30/2019
3	The flooring is peeling away from the back wall of the animal room.	М	Fall 2017			A new floor was requested on a recent submission to ORF	12/30/2019
4	The in/out door to a primate run was broken, so the animals were unable to have access to the outdoors.	М	Fall 2014			7 run doors have been repaired. Two more motors need to be installed.	12/31/19
5	Chipping of floor at the curb next to the stairway leading to pit and exit doors.	М	Spring 2016			Redack cage wash area is not able to shut down for flooring repairs at this time since it is supporting other institutes	12/31/2019

6	The floor has delaminated in multiple areas down to the original flooring. Additionally, an area of floor approx. near the floor drain is defective.	М	Fall 2013	Redacted by agreement	Redacte age wash area is not able to shut down for flooring repairs at this time since it is supporting other institutes.	12/31/2019
7	The wall bumper is falling off the wall and has torn out the wall anchors. This is necessary to prevent wheeled cages and carts from hitting the walls and falling into the trench, which could injure staff and damage equipment.	M	Fall 2018		ORF trouble call tickets placed. Work to be scheduled with a vendor.	2/30/2020
8	Paint is peeling off of the walls and doors.	М	Fall 2018		This work is included on the facility paint and patch list.	12/31/2019
9	There is a cracked window pane on the outer wall.	М	Fall 2018		ORF Maintenance ticket submitted and forwarded to "shops" for the repair.	12/31/2019
10	There is significant dripping of hot water under the rack washer that has resulted in significant rusting of support beams.	M	Spring 2014		A temporary steel beam support installed in 2017. Awaiting full completion of the job.	12/30/2019
11	The glass on one of the doors in the chemical room is severely cracked.	М	Fall 2018		An ORF trouble call placed to replace this broken glass.	12/31/2019
12	Floor has approximately 15-20 small gouges which penetrate the surface ranging in size up to 1 inch in length.	М	Fall 2014		Project has been submitted. Delayed due to demands in Reda cagewash, which would be back-up for Redact	12/31/2019
13	Cage wash, clean side, storage area: need a new condensate pump (A request was sent to ORF ~ 6 months ago). This is a safety (trip) hazard and sanitation issue.	М	Spring 2019		ORF Lead Engineers recently reminded about the condensate pump motor replacements in storage areas.	5/31/20
14	The dirty side floor is badly pitted.	М	Spring 2011		Request for repairs approved by ORF. Delayed due to demands in Red cagewash, which would be back-up for Redacte	12/31/2019

15	There section of the ceiling that is exposed due to ongoing water leaks. Room has several water stains on	М	Fall 2017	Redacted by agreement	Redacted by agreement	ORF is planning to repair leaks above the ceiling system and replace all ceiling tiles. ORF will also clean the	12/31/19
	the walls.					stained wall in this area.	
16	There are two quarter sized defects in the floor adjacent to the hose.	М	Spring 2017			Scheduling with ORF-Project officer.	11/12/2019
17	There is a roof leak that is over two years old, that has not effectively been repaired.	М	Fall 2017			ORF working on roof system	4/4/2020
18	There was high humidity (>50%) in the feed Rooms in Redacted by	М	Fall 2016	Various		There is an ORF project to correct the humidity issues within the feed rooms.	12/31/2019

¹M=minor; S=Significant

Section F - Current Deficiencies & Plans:

Deficiencies found *over the past 6 months* during **ORS** 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)						
						Obtained b	y Rise for A n

	(b)(5)						
2	1						
-							
3	1						
•							
4	There was only 1		Redacted by agreement		Redacted by		
'	hite / source block		agreement	All la satisfies been all to	Redacted by agreement		
	bite/scratch kit located	М		All locations have 2 kits at		9/15/19	c
	in each location	171		this time.		5/15/15	
	throughout NIHAC Per						
I	Lin oughout Williac Fel	1	ı	I	II .		ı I

			T	I			
	SOP 103 - A minimum of two (2) NHP						
	Bite/Scratch Kits shall be						
	maintained in						
	designated refrigerators.						
5	Container labeled Grape		Redacted by		Redacted by	1	
	OT on table in room		agreement	Grape OT have been	agreement		
	with an expiration date	М		discarded.		9/1/19	С
	of 6/18/19			discarded.			
6	01 0/ 10/ 13		-	Sink has been cleaned as	1		
	Sink is very dirty with			best as possible at this			
	significant accumulation	М		time the water is turned		9/30/19	С
	of grime			off while waiting for		3,00,20	
				repair.			
7	Open vial of sterile		1	Bottle has been			
	water in the emergency			discarded and new		01:-1:-	_
	kit (should be single-	M		unopened bottle		9/15/19	С
	use)			replaced in kit.			
8	An employee removed		1	Spoke with staff and	1		
	the drain grate while			informed them the safety			
	washing down room,			hazard and risk. They		0/45/40	
	this poses a slip/trip/fall	М		understand the reasons		8/15/19	С
	hazard (notified at time			covers need to remain in			
	of walkthrough)			place.			
9	Scrubber mop labeled		1		1		
	for room Reda instead of	М		The scrubber mop was		10/7/10	С
E	edacte could be a source	IVI		sanitized and placed in the correct room		10/7/19	'
	of cross-contamination.			the correct room			
10				Staff were reminded that			
				after checking with			
	One NHP was adjacent			behavior for final			
	to an empty cage			approval any animals			
	(locked divider in place)	М		that are single housed		10/7/19	С
	– per SOP NHP should	141		with an empty adjacent		10///13	
	have access to adjacent			cage next to them, it			
	cage as well if empty.			should be open to allow			
				for access to both.			
4.4	44 4		-		-		
11	14 day sanitation not			The authorium to Comment			
	marked as complete on			The missing information			
	room logs for this month	М		was updated on the two		10/4/19	С
	for two separate rooms			room logs after the			
	in 200 hall			walkthrough			
12	Door does not stay		1		1		
	closed, held closed with			This door has been			
	bungee cord	М		repaired by the NIH door		8/19/19	С
	Sangee coru			team.			
13	Receptacle box inside		1		1		
	the room by the door			Cleaned during room		0/24/40	
	needs to be cleaned.	M		sanitation.		8/21/19	С
					ļ,]	
	•						

4.4		D-:	As al less		Dadada da		
14	Trash on floor, including discarded PPE (run is not in use for animals). Trash could harbor pests.	Redac agreer		A contractor was currently working on the guillotine doors in this room. He has since finished the repairs and the area has been sanitized.	Redacted by agreement	9/28/19	С
15	3 animals missing mirrors in each room with no enrichment exemptions in place.			These cages are to be used in the Redacted by for animals exempt from having mirrors due to behavior exemptions. They have been marked so that they are not put into general rotation.		10/7/19	С
16	8.0 cage with an animal present was labeled "Cage Broken. No latch to hold door up." This could be a safety hazard for moving animal in and out of the cage.			This cage has been removed from the room during sanitation and has been tagged for repair.		8/26/19	С
	record. History of fight wounds, but no behavior observations documented in medical record to confirm that he is still compatible with partner (they are still a pair).			Information had been added to the record.		8/26/19	С
	(b)(5)						
19	Holes in concrete blocks on back wall. Holes could harbor pests.		Redacted by agreement	Building engineers plugged the holes in the wall	Redacted by agreement	10/21/19	С
20	Automatic water line attached to wall with no cage in room, should be removed and flushed	М		Cage was temporarily removed from room. Reminded staff to remove all water lines when no cage is present.		8/15/19	С
21	Broken Fire Extinguisher case	М		This has been replaced		10/1/19	С
22	Eyewash station wasn't logged for last two week for weekly checkup.	М		Eyewash station was tested, and staff reminded on consistency of documentation		10/1/19	С

23	(b)(5)						
24	Redad supplies: noted a large white bin with one corner collapsed so container is lopsided, staff indicated it is overfilled. This inhibits moving the container and sanitation under it.	М	Redacted by agreement	The bin has been repaired and put back into service.	(b)(6); Redacted by agreement	9/27/19	С
25	The Euthanex System Use Log indicates that "2 cagewash techs confirm euthanasia cabinet is empty before cabinet is sent to the rack washer", one of the entries for a day only had initials for 1 cagewash tech.	М		The cage wash supervisor was instructed to ensure the euthanasia cabinets are always checked by two cage wash technicians before being sent to cage wash.		9/27/19	С
26	Maintenance/installation personnel working on the new autoclave were not wearing the posted visitor PPE.	М		The project officer was made aware of the PPE issue. He contacted the management of the contactor Redacted by Assurance was given by the contractor that their employees will be following our PPE policies moving forward.		9/27/19	С
27	Drain had an excessive amount of bugs (possibly drain flies?) – drain had a buildup of old bedding and debris – drain cover needs to be removed to clean more thoroughly	М		The drain is clogged and backing up. Work Request # M1147960 was submitted on 9/26/2019. ORF was on site on 9/26, 9/27. They were unsuccessful unclogging the drain. The work request was assigned to a contractor. The drain was unclogged on 10/11/2019.		10/11/19	С
28	(b)(5)						

29	Live cockroach observed in the corner of the room by the door		Redacted by agreement	The NIH has a Pest Management Program in place to keep pest populations under control and manageable. Redact is observed and treated weekly by this Pest Management Program as to adhere to that requirement.	Redacted by agreement	9/26/19	С
30	A ceiling tile is missing	М		This ceiling tile has been replaced.		9/26/19	С
31							
32	Dead bugs observed in the light fixtures. Outlet cover was open (closed by ACUC member)	М	Redacted by agreement	Staff cleaned these out.	Redacted by agreement	9/26/19	С
33	2, need member j			This is a surplus machine not currently in use. The canister that holds			
	Anesthesia machine missing sodasorb.	M		sodasorb was broken and is on order at this time. Animals are not brought into this area for treatment; working anesthesia machines are present in the treatment rooms.		8/27/19	С

35	(b)(5)						
36	Loose drain cover in the middle of the room	М	Redacted by agreement	Drain cover has been re- secured	Redacted by agreement	9/26/19	С
37	Outdated first response guidance signage posted.	М		New sign was posted on 9/27/2019		9/27/19	С
38	(b)(5)						
39							
40							
41							
42	Rat Room: The animal numbers on several cage labels don't match with the actual numbers of rats in the cage	М	Redacted by agreement	Staff reminded to update cage cards weekly during cage changes. These cage cards were corrected at the time of the site visit.	Redacted by agreement	9/27/19	С
43	Maintenance log documentation was missed by staff on several dates in August in two separate areas. The log books acknowledged that these dates were missed.	M		staff reminded to fill out logs correctly		9/27/19	С
44	(b)(5)						

45	(b)(5)						
.							
46							
40							
47 -	temperatures		Redacted by		Redacted by	 	Ι
~′ [Redacted temperatures		agreement	Work Request #	agreement ´		
	have been running cold (staff mentioned 64			M1142847 was			
	l ·			submitted on 8/28/2019.			
	yesterday with some	M		Adjustments were made		9/9/19	С
	improvement today; HVAC not maintained in			by ORF to bring the			
				temperature within			
	normal range setpoint			range.			
48	72F)			Mork Possest #			
40				Work Request # M1132332 was			
	A leaking overhead pipe						
	is dripping water onto	M		submitted to ORF on		10/18/19	С
	the floor.			6/28/2019. The leaking			
				pipe was repaired on			
49	(b)(5)			10/18/2019.			
49	V-/\-/						
50	Redacted by Special		Redacted by		Redacted by	1	I
30 a	greement		agreement	Correction was made on	agreement		
	Water tags (TMS) did			the tag. The staff was			
	not document who was	M		instructed to ensure all		9/27/19	С
	responsible (facility staff			TMS tags are properly		' '	
	vs lab staff) Redacted by agreement			documented at all times.			
_	dacted by						
51				Accumulation date was			
	The chemical waste			added to container. Staff			
	container did not have			were reminded of the		- / /	
	an accumulation date	M		need to complete the		8/30/19	С
	recorded. Chemicals			card once a new			
	present in container.			container has begun to			
				be utilized.	<u> </u>	J <u></u>	
	¹ M=minor: S=significant	2	orrected: P=n				

¹M=minor; S=significant

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

²C=corrected; P=pending

<u>Section H – Shared & Central Facilities:</u>

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:

This section does not apply to this IC.

Section I – Minority Report

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

	Redacted by agreement	٦
ORS ACUC Member Signature	e	
erio ricco incinzor digitatari		
Redacted by agreement		
Mr. Scott Green	Dr. Jil/ Ascher Redacted by agreement	\dashv
Chair, ACUC	Attacking National Vision	_ل
Chair, ACCC	Attending Veterinarian	
Redacted by agreement		
neadeas, agreement		

(Revised - 09/2019)

Semiannual Report Attachment 3 Supplemental Information Fall 2019

<u>Instructions:</u> Submit the following information with your Fall 2019 Semiannual Report as a separate file called IC SI F19.

NOTE: *Guide* Exceptions (IC REP Fall 2019, section D): a reminder that a new column was added in the spring 2019 cycle asking for the *Guide* citation for Exceptions (*Guide* chapter, section, and page number).

1. Number of approved Animal Study Proposals (ASPs) as of 31 Oct 2019:

Provide the total number of active/approved ASPs as of the 31 October 2019 cutoff date.

There are 8 active/approved ORS ASPs. There are 2 active/approved NCATS ASPs.

2. Performance standards:

Provide a description of ACUC approved performance standards. For additional information and examples, see the "Guide Departures & Performance Standards" document developed by OACU.

Multiple species housing There are currently six animal areas that are approved to house multiple rodent species in the same room, located in building Redacted by agreement Rodent Quarantine. The DVR veterinary staff has reviewed literature cited by the *Guide* and AAALAC to ensure appropriate management practices for these situations. SOP 202 has been approved, which documents the policies for housing multiple rodent species within an animal room. An electronic copy of this approved evaluation will be maintained by the ORS ACUC as a central reference in a shared computer folder. (reference *Guide* p. 111-112)

Canine pair housing There are currently large hounds pair housed in Redacted by agreement. While the 45 ft² kennels meet the USDA requirements, the *Guide* requires that two dogs greater than 30kg, are provided 48 ft² of floor space. When the outdoor ambient temperature is between 32° F and 90° F, the animals are additionally provided access to outdoor runs which provide an additional 65 ft² of space, for a total of 109 ft². The DVR veterinary staff has reviewed and cited scientific literature on singly housed canines and has concluded that the benefit of providing social housing for these dogs offsets the 3 ft². deficit in floor space. This performance standard will be reviewed by the ORS-ACUC semi-annually with ongoing post-approval monitoring performed by the facility veterinarians to ensure the welfare and well-being of the animals. (reference *Guide* p. 58-59)

Extended Cage Lid and Filter Top Change An extended cage top frequency change schedule has been approved. The wire bars and filter tops on rodent cages are changed once per month rather than the *Guide* recommendation of every two weeks. This change does not apply to autoclaved cages and cage bottoms which will continue to be changed once a week on laminar flow racks and twice a week for static cages. The change was made based on posters presented at conferences and a desire to not complete unneeded sanitation. Additionally, an internal study was conducted to evaluated cultures, ATP

levels (bio-luminescense), feed mold, and nutritional values. The conclusion was that there were no significant changes over time in culture values, mold levels in feed, nor nutritional values. The ATP values were not informative (not reliably predictive). In addition, during the time of the pilot study, no changes in breeding or production were noted. This change has provided a substantial decrease in wear and tear on equipment and the cost of labor to process these caging materials. (reference *Guide* p. 70)

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

IC Name: Office of Research Services/Division of Veterinary Resources & National Center for Advancing Translational Sciences

Fall Semiannual Report Submission Date: October 31, 2019

Spring Program Review Date(s):	3/20/18	4/16/19		
Fall Program Review Date(s):	9/18/18	9/17/19		

Bldg/Area/Rm	١		sp. Date(s) g / Fall	AF/SF; Gross Sq. Ft.	Species Housed	1		Average Da	ily Inventory	
Redacted by	1	2/14/2019	8/27/2019		¹ Owl	² Squirrel	³ Rhesus	¹ 165	² 35	³ 130
agreement				AF; 16,305	⁴ Cyno	5	6	4 1	5	6
		2/26/2019	8/21/2019		¹ Mouse	² Woodchuck	³ Rat	¹ 23,331	2 2	³ 16
			0/2 1/2010	AF; 32,324	⁴ Guinea Pigs	5	6	4 2	5	6
	П	2/14/2019	8/27/2019		¹ Rhesus	² Pigtails	³ Cyno	¹ 172	2 0	³ 1
		2/14/2010		AF; 23,318	4	5	6	4	5	6
	Г	2/13/2019	8/14/2019,		¹ Mouse	2	3	1 33	2	3
		2, 10, 20 10	8/29/2019	AF; 20,429	4	5	6	4	5	6
		2/14/2019	8/21/2019	A.E. 0.E. 474	¹ Mouse	² Rhesus	³ Cyno	¹ 10,275	2 203	³ 19
	J	2/26/2019	8/27/2019	AF; 35,471	⁴ Rabbit	5	6	⁴ 18	5	6

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

IC Name: Office of Research Services/Division of Veterinary Resources & National Center for Advancing Translational Sciences

Spring Semiannual Report Submission Date: October 31, 2019

CONTINUATION PAGE

Bldg/Area/R	ξm		sp. Date(s) g / Fall	AF/SF; Gross Sq. Ft.	Species Housed			Ave	erage Da	ily Ir	nventory		
Redacted by agreement		2/14/2019	8/21/2019		¹ Mouse	² Rat	³ Hamster	1	1,683	2	568	3	0
agreement		2/26/2019	8/27/2019	AF; 34,615	⁴ Rabbit	⁵ Rhesus	6	4	90	5	188	6	
		2/28/2019	8/14/2019		¹ Mouse	² Rat	³ Rabbit	1	36,378	2	160	3	4
		2/20/20 10	6/14/2010	AF; 54,069	4	5	6	4		5		6	
		2/13/2019	8/29/2019		¹ Rat	² Porcine	³ Mouse	1	22	2	20	3	6,147
		_, , , , _ , ,		AF; 42,054	⁴ Canine	5	6	4	13	5		6	
		2/20/2019	8/15/2019		¹ Mouse	² Rhesus	³ Cyno	1	222	2	112	3	0
		2/20/2013		AF; 44,938	⁴ Pigtail	⁵ Marmoset	⁶ African Green	4	1	5	130	6	44
		2/20/2019	8/15/2019	45 00 040	¹ Rhesus	² Cyno	³ Pigtail	1	609	2	88	3	12
		2/20/2019		AF; 88,246	⁴ African Green	5	6	4	45	5		6	

IC Name:

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

Office of Research Services/Division of Veterinary Resources & National Center for Advancing Translational Sciences

Spring Semiannual Report Submission Date: October 31, 2019

CONTINUATION PAGE

	Facility In Sprin	sp. Date(s) g / Fall		Species Housed			Average Da	Average Daily Inventory				
Redacted by agreement	2/20/2019	8/15/2019		¹ Rhesus	² Cyno	³ Pigtail	¹ 72	² 2	³ 19			
			AF; 9,862	4	5	6	4	5	6			
	2/20/2019	8/15/2019		¹ No Animals	2	3	1	2	3			
	2/20/2013	0/10/2010	AF; 2,992	4	5	6	4	5	6			
	2/20/2019	8/15/2019		¹ Sheep	2	3	¹ 23	2	3			
	2/20/2019		AF; 4,212	4	5	6	4	5	6			
	2/20/2019	8/15/2019		¹ Rhesus	² African Greens	³ Cebus	¹ 38	² ₂	³ ₃			
	2/20/2019		AF; 5,543	⁴ Marmosets	⁵ Cynos	6	4 9	⁵ 2	6			

Assurance#: A-4149-01 Date: October 31, 2019

Institutional Animal Care & Use Committee Roster

Institutional Animal Care & Ose Committee Roster					
Mombar Nama			n to mile		New
Wember Name	Degree/Credentials		Position Title	PHS Policy Membership Role	Member
Mr. Scott Green	BS, MBA	S, MBA Deputy Director for Management Operations		Chair	
Dr. Jill Ascher	MA, DVM, MPH, DACL	Animal Pr	ogram Director	Attending Veterinarian	
Redacted by agreement	•				
					~
					V
	Redacted by agree	ment]	Redacted by	
ACUC Chair Mailing Address	& Phone #:		Attending Vet Phone #: agreement		

11