

VIII. Membership of the IACUC

Date: May 8, 2018			
Name of Institution: University of Massachusetts Amherst			
Assurance Number: D16-00337			
IACUC Chairperson			
Name*: Jesse Mager			
Title*: Associate Professor		Degree/Credentials*: Ph.D.	
Address*: (b) (4) Integrated Sciences Building 661 North Pleasant St. University of Massachusetts Amherst Amherst, MA 01003			
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Phone*: (b) (6)		Fax*: (b) (6)	
IACUC Roster			
Name of Member/ Code**	Degree/ Credentials	Position Title***	PHS Policy Membership Requirements****
(b) (6)			Scientist
			Scientist
			Nonaffiliated
			Veterinarian
			Non-voting
			Scientist
			Nonscientist
(b) (6)			Scientist
10-J. Paul Spurlock	D.V.M.	Attending Veterinarian/Director, Animal Care	Veterinarian
(b) (6)			Scientist
			Scientist
			Scientist
			Non-voting

* This information is mandatory.

** Names of members, other than the chairperson and veterinarian, may be represented by a number or symbol in this submission to OLAW. Sufficient information to determine that all appointees are appropriately qualified must be provided and the identity of each member must be readily ascertainable by the Institution and available to authorized OLAW or other PHS representatives upon request.

*** List specific position titles for all members, including nonaffiliated (e.g., banker, teacher, volunteer fireman; not "community member" or "retired").

**** PHS Policy Membership Requirements:

<i>Veterinarian</i>	veterinarian with training or experience in laboratory animal science and medicine or in the use of the species at the Institution, who has direct or delegated program authority and responsibility for activities involving animals at the Institution.
<i>Scientist</i>	practicing scientist experienced in research involving animals.
<i>Nonscientist</i>	member whose primary concerns are in a nonscientific area (e.g., ethicist, lawyer, member of the clergy).
<i>Nonaffiliated</i>	individual who is not affiliated with the institution in any way other than as a member of the IACUC, and is not a member of the immediate family of a person who is affiliated with the institution. This member is expected to represent general community interests in the proper care and use of animals and should not be a laboratory animal user. A consulting veterinarian may not be considered nonaffiliated.

[Note: all members must be appointed by the CEO (or individual with specific written delegation to appoint members) and must be voting members. Non-voting members and alternate members must be so identified.]

X. Facility and Species Inventory

Date: 5/8/2018			
Name of Institution: University of Massachusetts Amherst			
Assurance Number: D16-00337			
Laboratory, Unit, or Building*	Gross Square Feet [include service areas]	Species Housed [use common names, e.g., mouse, rat, rhesus, baboon, zebrafish, African clawed frog]	Approximate Average Daily Inventory
(b) (4)	3366	Rat	160
		Bird	200
	6608	Rhesus Macaque	5
		Common Marmoset	38
		Mouse	30
		Rat	69
	5500	Mouse	400
	5176	Syrian Hamster	133
		Mouse	560
		Zebrafish	7207
		Frog	7
		Birds	3
		Rats	12
	390	Zebrafish	10,397
	515	Zebrafish	1,522
	464	Zebrafish	1,205
		Cichlid	330
	69	Zebrafish	1900
	5992	Sheep	61
		Pig	12
		Chickens	30
	1950	Goat	29
	3240	Horse	35
	5000	Cow	23
	465	Salamander	4
		Frog	4
		Lizard	14
		Turtle/Tortoise	50

(b) (4)		Alligator	1
		Snake	45
	839	Lizard	47
	3000	Sea Lamprey	200
		Fish	130
	693	Xenopus	185
		Mouse	212
		sheep	6
		chickens	50

*Institutions may identify animal areas (buildings/rooms) by a number or symbol in this submission to OLAW. However, the name and location must be provided to OLAW upon request.

Memorandum to: Vice Chancellor for Research and Engagement, Michael Malone

From: Institutional Animal Care and Use Committee

Subject: Semiannual Report of the Program Review and Facility Inspection

Date: June 13, 2018

This report summarizes the IACUC's results of its most recent program review and facility inspection, as required by the Public Health Service (PHS) Policy on Humane Care and Use of Laboratory Animals ([Policy](#)), Section [IV.B.1.-3.](#), the *Guide for the Care and Use of Laboratory Animals* ([Guide](#)), and the Animal Welfare Act ([AWA](#)) regulations, as applicable. Submission of semiannual reports to the Institutional Official is a condition of this Institution's Animal Welfare Assurance with the NIH Office of Laboratory Animal Welfare (OLAW).

Since the last review, the following changes have occurred in the institution's program for animal care and use (PHS Policy [IV.A.1.a.-1.](#)): [optional]

I. Description of the Nature and Extent of the Institution's Adherence to the PHS Policy, the *Guide*, and the AWA

Departures from the PHS Policy, the *Guide*, and the AWA.

Select A or B:

- ☐ A. There were no departures during this reporting period.
- ☒ B. The following departures have been reviewed and approved by the IACUC: [include reason for each departure]

Departures from the *Guide* approved by the IACUC are:

1. Experiments with mice and hamsters that require unusual photoperiods or constant dark, and minimal disturbance for a 3-week period. The IACUC approved daily checks for animals in constant dark rooms via remote monitoring of wheel-running activity combined with bi-weekly visual checks using a FindRScope and/or dim red light, and up to 3 weeks between cage cleanings during an experiment.
2. Remote monitoring replaces physical monitoring and occurs no more than 50 times per year at the (b) (4) IACUC approved remote monitoring and documentation methods that cover appropriate time intervals to meet regulatory requirements. Remote checks are through an alarm system which notifies all personnel on the project if there are changes in water flow. Lab will maintain documentation of alarms.

II. Deficiencies in the Institution's Animal Care and Use Program

Animal Care and Use Program Review Date(s):

Select A or B:

- ☒ A. There were no deficiencies in the program during this reporting period.
- ☐ B. The following deficiencies have been identified: *[describe each deficiency, identify each deficiency as either minor or significant, and provide a reasonable and specific plan and schedule for the correction of each deficiency, deficiencies may be recorded on a separate table and attached, the last page of OLAW's Sample Semiannual Program Review and Facility Inspection Checklist provides a sample table]*

III. Deficiencies in the Institution's Animal Facility

Animal Facility Inspection Date(s):

Select A or B:

- ☐ A. There were no deficiencies in the animal facility during this reporting period.
- ☒ B. The following deficiencies have been identified: *[describe each deficiency, identify each deficiency as either minor or significant, and provide a reasonable and specific plan and schedule for the correction of each deficiency, deficiencies may be recorded on a separate table and attached, the last page of OLAW's Sample Semiannual Program Review and Facility Inspection Checklist provides a sample table]*

See attached facility inspection worksheets for Spring 2018.

IV. Minority Views

Select A or B:

- ☒ A. No minority views were submitted or expressed.
- ☐ B. The following minority views were expressed: *[insert minority views here or attach]*

V. Status of AAALAC Accreditation *[identify accredited facilities, if applicable]*

UMass Amherst is not AAALAC accredited.

VI.

Signatures [signatures of a majority of the IACUC members]

Names of IACUC Members	Signatures
(b) (6)	(b) (6)
J. P. Sackelstein	
(b) (6)	
JESSE MACAL	

Deficiency Category	Location	Deficiency	Plan for Correction	Responsible Party	Correction Deadline	Date Corrected
M	(b) (4)	Animals were located on the top shelf.	Animals should not be placed on the top shelf.	PI	5/16/2018	5/16/2018
M		2% Fluorogold did not have an expiration date.	All reagents and solutions must be labelled with an appropriate expiration date.	PI	5/16/2018	5/16/2018
M		50 ml conical tube with only initials MLA was found.	All reagents and solutions must be labelled with the unabbreviated name and expirations date.	PI	5/16/2018	5/16/2018
M		Not all stages of recovery were documented for two different animals (entry 2/5/18).	All stages of recovery must be documented for all animals that have undergone surgery on the appropriate record sheet.	PI	5/2/2018	5/2/2018
M		Did not check all reflexes for two animals (entry 3/1/18).	Reflex check boxes should never be left blank on these records. Please check all reflexes on these animals that have undergone surgery.	PI	5/2/2018	5/2/2018
M		Animal was not checked for all stages of recovery (entry 3/1/18).	All stages of recovery must be documented for all animals that have undergone surgery on the appropriate record sheet.	PI	5/2/2018	5/2/2018
M		Door is difficult to open.	Place a WO to repair this door.	AC	4/26/2018	4/23/2018
M		Double outlet does not have a cover.	Place a WO to obtain a cover for this outlet.	AC	4/26/2018	4/23/2018
M		Guillotine log does not indicate annual sharpening dates.	Guillotines are required to be sharpened yearly with documented dates.	PI	5/2/2018	5/2/2018
M		Paint is cracked by air supply duct and cement is chipping on the right side wall.	Place a WO to repaint and repair the cement.	AC	5/4/2018	5/4/2018
M		There is a chip on door frame.	Place a WO to fill in door frame.	AC	5/8/2018	5/8/2018
M		There are scratches on the door and and a chip on the door frame.	Place a WO to repaint the door and fill in door frame.	AC	5/8/2018	5/8/2018
M		There is chipped paint on the wall.	Place a WO to repaint.	AC	5/8/2018	5/8/2018
M		There is a hole in both doors.	Place a WO to seal, fill in, or cover these holes.	AC	6/1/2018	6/1/2018
M		There is a sticky glue residue around the door frame.	All surfaces must be sanitizable. Please remove glue from this area.	AC	5/25/2018	5/25/2018
M		No expiration date on the spray bottle of Accel TB.	When refilling the spray bottles from the gallon jugs, the expiration date must be transferred onto the spray bottle.	AC	4/26/2018	4/12/2018
M		Rat perfusion blood is in unlabelled jug containers.	This waste is also required to be properly labelled.	PI	5/2/2018	5/2/2018
M		15ml conical tube labelled "LA" and does not have an expiration date.	Please discard. All items must be labelled without abbreviation and with an appropriate expiration date.	PI	5/16/2018	5/16/2018
M		Sun and Earth dish soap does not have a receive or expiration date.	Please add these dates to the bottles being used.	AC	4/26/2018	4/13/2018

M	(b) (4)	Currently there is no documentation for weekly floor washing.	Weekly floor washing must be documented on the log sheet located in this room.	AC	4/26/2018	4/12/2018
M		No log of checking the trap in this room daily.	Please place a daily log in this room for checking this trap.	AC	4/26/2018	4/11/2018
M		Sticky residue/glue is present on cage racks.	There must be a sanitizable surface. Please remove the residual glue.	AC	5/18/2018	5/18/2018
M		Paint on walls and door jams are chipping.	Place WO to repair door jams and walls.	AC	4/26/2018	4/12/2018
M		Zebra finch feeders built out of galvanized materials are breaking down and developing rust which interferes with proper sanitation .	Please replace rusted equipment.	PI	5/18/2018	5/18/2018
M		Large metal bird feeders had been recently cleaned but had old feed built up along corners and edges of the feeders.	Feeders should be thoroughly scrapped before being run through the cage washer and inspected for proper sanitation before being returned to aviary area for use.	AC	4/30/2018	4/11/2018
M		Recent animal weight records must be reviewed.	These records could not be obtained during IACUC inspection and should be emailed to IACUC for review.	PI	5/23/2018	5/23/2018
M		Propagator's Permit needs to be renewed. Current copy is valid for 2017 only.	Please renew Propagator's permit.	PI	6/30/2018	5/24/2018
M		Nigel's PE #15 says see chart, but more explanation is needed.	It is unclear if these are lesions and needs to be documented.	PI	5/17/2018	5/17/2018
M		Clarification is needed on Tx record for meloxicam for Emmitt. The route of administration is missing.	Please clarify the route of administration of meloxicam in this case.	PI	5/17/2018	5/17/2018
M		On entry 3/16/18, sterile surgical supplies were run without a chemical indicator.	When sterilizing surgical supplies, a chemical indicator must always be run to ensure sterility.	PI	4/30/2018	4/20/2018
M		Bottle of "tool soap" does not have an expiration date.	All animal use reagents including soap must be labelled with an expiration date.	PI	4/30/2018	4/19/2018
M		Please separate items and tools that are not for animal use in this room.	Separating items will be easier to access during inspection	PI	4/30/2018	4/19/2018
M		Isflurane vaporizer expired the end of March of this year.	Isflurane vaporizer needs re-certification.	PI	8/1/2018	
M		There is no record in the autoclave log book of sterilizing surgical equipment and running a chemical indicator and monthly spore test.	Animal surgical equipment must be autoclaved and always run with a chemical indicator to ensure sterility. A monthly spore test must be run and documented as well.	PI	4/30/2018	4/19/2018
M		Black plastic barrel of grain has no date either on the tag on the barrel or on the bag itself.	All feed must have a date of expiration or a date received	PI	4/30/2018	4/25/2018
M		Whole corn which is in large white canvas bags does not have a label of contents and date of harvest.	Whole corn which is in large white canvas needs a label of contents and date of harvest.	PI	4/30/2018	4/25/2018

M	(b) (4)	There is a barrel of whole corn that has corn spilled into the handles and corn spilled on the ground around it.	All feed needs to be contained, covered and cleaned up.	PI	4/30/2018	4/25/2018
M		In the teaching lab there are two trash barrels without lids.	Please make sure all trash barrels have lids.	PI	4/30/2018	4/25/2018
M		In the medical room off of the teaching lab, the sharps container is full.	Please have the container picked up and replace it with a new one.	PI	4/30/2018	4/25/2018
M		In the medical room, the broom is on the floor.	Please pick the broom up off the floor.	PI	4/30/2018	4/25/2018
M		The red tractor has two latches that must be repaired.	Please repair the latches.	PI	6/30/2018	
M		A new tarp is needed for the triangle tractor.	Please replace this tarp.	PI	6/30/2018	
M		Tires on the tractor need air (almost flat).	Please pump up the tires.	PI	6/30/2018	
M		More detail is required in census sheet 2/27/18 entry that indicates one bird loss (69 total birds to 68 birds).	Please add details to this census sheet of what happened to this bird.	PI	4/13/2018	4/13/2018
M		Pine Tar does not have an expiration date.	Please obtain an expiration date for Pine Tar and properly label it.	PI	4/9/2018	4/9/2018
M		Sterile gauze expired 12/2016.	Please properly discard this expired item.	PI	4/9/2018	4/9/2018
M		Cold Flex expired 10/2017.	Please properly discard this expired item.	PI	4/9/2018	4/9/2018
M		epinephrine expired 1/2018.	Please properly discard this expired item.	PI	4/9/2018	4/9/2018
M		Isopropyl alcohol bottle is not capped and contains something else.	Please discard this item. All reagents should be properly capped/sealed.	PI	4/9/2018	4/9/2018
M		Stable fresh bottle does not have a clear label on it.	Place a proper label on this with expiration date.	PI	4/9/2018	4/9/2018
M		Currently there is not any documentation of tank sanitation.	Moving forward, this task must be documented according to the care logs supplied by ACS.	PI	5/2/2018	5/2/2018
M		There is a rusty shelf in this room.	Rooms which house animals must not contain rust. Please remove this shelf.	PI	5/30/2018	5/30/2018
M		Newest frogs did not have picture identification pages available in the protocol notebook. There are more frogs in the animal census than there are listed in the animal notebook. Some tanks do not list the number of frogs in the tank.	Moving forward, each frog must have a picture identification entry. Each tank should list the number of frogs.	PI	4/23/2018	4/10/2018
M		Surgical tools were found in a plastic container and not a sterile pouch.	Moving forward, please autoclave surgical tools in the appropriate pouches.	PI	4/27/2018	4/27/2018
M		Two bottles of water (ddH2O and dH2O) did not have an expiration date.	All reagents must be clearly labelled with an appropriate expiration date.	PI	4/27/2018	4/27/2018

M	(b) (4) Under the volume of analgesia column on your surgical form, most entries read 25mg/ml and some read 25 mg/L. Some also read "Injection", and some appear to read 25 ul/ml but that may just be misinterpretation of what is written. This column should contain the actual volume of analgesia administered via the dorsal lymph sac.	Moving forward, please document the volume injected in this column. For instance, if we had a 100g frog, and we wanted to administer flunixin at a dose of 25 mg/kg, since flunixin contains 50mg/ml, we would need to administer 0.05 mL of this analgesic. So the entry in the column would read 0.05 mls.	PI	4/27/2018	4/27/2018
M	Surgical records only date back to 7/2017. Surgeries are being done currently.	Surgical records need to be maintained consistently as surgeries are being done and stored in the surgery log books for easy reviewing.	PI	5/22/2018	5/22/2018
M	No surgery records could be located.	Surgical records need to be maintained consistently as surgeries are being done and stored in the surgery log books for easy reviewing.	PI	4/23/2018	4/6/2018
M	70% Ethanol bottle did not have an expiration date and the name was abbreviated.	All reagents must be written out in full (no abbreviations) and clearly labelled with an appropriate expiration date.	PI	5/1/2018	5/1/2018
M	The source is not written on mouse cage cards.	The source must be documented on all animal cage cards.	PI	4/23/2018	4/12/2018
M	Biohazard (orange) cage cards do not specify the "special agent".	These cards need to have the specific agent, "Rabies" written on the animal cages.	PI	5/23/2018	5/23/2018
M	A cardboard box was stored on a shelf.	Please remove this cardboard box from this room. Cardboard cannot be stored in the lab.	PI	5/17/2018	5/17/2018
M	Prefilled water bottles with no dates were found on a shelf.	Water bottles must have dates of when they were filled and when they expire.	PI	5/17/2018	5/17/2018
M	Tape was found on the wall.	Tape can not be used on walls or equipment because it leaves behind a sticky residue and a non sanitizable surface.	PI	5/17/2018	5/17/2018
M	Trash was over filled and not covered.	Trash should be covered with a lid.	PI	5/17/2018	5/17/2018
M	A spray bottle with liquid inside was found with no label and only a barcode.	All reagents must be clearly labeled with the unabbreviated name and expiration date.	PI	5/17/2018	5/17/2018
M	Alcohol did not have an expiration date.	All reagents must be clearly labeled with the unabbreviated name and expiration date.	PI	5/17/2018	5/17/2018
M	FBS bottle labelled (made in 2015) did not have an expiration date.	All reagents must be clearly labelled with an appropriate expiration date.	PI	5/17/2018	5/17/2018
M	Behavioral equipment metal baskets have paint chipping off of them.	(1) Order plastic cups and (2) begin using them for experiments.	PI	5/31/18; 9/1/2018	{1} 5/23/18

M	(b) (4)	Animal bedding debris was found in the wagon outside of this room.	Animal bedding must be cleaned out each time the wagon is used to avoid attracting vermin.	PI	5/23/2018	5/23/2018
M		Two bottles of Meloxicam expired on 2/15/18.	Reagents must not be kept past the expiration date. Please discard these expired drugs.	PI	5/3/2018	5/3/2018
M		Food container is not vermin proof.	Please use a vermin proof food container.	PI	4/27/2018	4/27/2018
M		In the clean cage wash, there are rusty screws on a cart.	Please replace these rusty screws.	AC	5/21/2018	5/21/2018
M		There is a broken ceiling tile track in this hallway.	Please place a WO to repair this area of the ceiling.	AC	5/15/2018	5/8/2018
M		Some IVC racks in these rooms are operating in the negative air flow mode. Animals not exposed to biohazardous agents or compounds are best housed in racks that are operating under a positive air flow.	Please adjust the airflow direction on these racks as dictated by the type of research being conducted on each rack.	AC	5/15/2018	4/30/2018
M		There is a whistling/beeping noise coming from the the air handling units on top of one of the racks.	Please investigate the source of this beeping and take whatever steps necessary to remove this noise from the animal housing room.	AC	5/15/2018	4/30/2018
M		There is a 50ml conical tube labelled as containing ethanol that has no expiration date listed on the tube.	Please write a clear expiration date on this tube. All reagents must have an appropriate expiration clearly written on them.	PI	5/9/2018	5/9/2018
M		A reagent labeled "Oxi" in the freezer is not labelled appropriately.	Feed containers and all supplies must be appropriately labelled with contents and expiration date.	PI	5/9/2018	5/2/2018
M		One bottle of 0.9 % NaCl expired March 2018. It has an open date of 4/5/18.	All substances must be appropriately discarded on their expiration date. Please discard this expired bottle of 0.9% NaCl.	PI	5/16/2018	5/16/2018
M		Sweet and Low Packets were found in the drawer in this room.	Food for human consumption should not be stored inside the laboratory, procedure, or surgery areas. Please discard these items or describe their use as it relates to this research.	PI	5/9/2018	5/2/2018
M		Tube labelled "GEM" was found in this room.	Please write out the full name and an appropriate expiration date on this item. Laboratory reagents must always be written out fully (unabbreviated) with a clear expiration date on it.	PI	5/9/2018	5/2/2018
M		A water dam used to prevent water from flowing across the floor was dirty and deteriorating.	Please purchase a new water dam that is more likely to be effective in preventing water stains.	AC	5/15/2018	5/4/18

M	(b) (4)	The administration of the second dose of analgesia does not appear to be documented anywhere on the surgical form or the post-operative record.	According to the protocol, a second dose of meloxicam must be administered 12-24 hours after the first dose is given. Please be sure to document all analgesia administration.	PI	5/16/2018	5/16/2018
M		Currently there is no sign for the emergency eyewash.	Please obtain an emergency eyewash sign.	AC	4/23/2018	4/11/2018
M		Not documenting weekly responsibilities on log sheets.	Moving forward, start documenting weekly responsibilities in addition to daily.	PI	4/23/2018	4/10/2018
M		Boxes with tape packaging are exposed.	Attraction of vermin can result. Please keep these boxes in a sealed bag or some type of secondary containment.	PI	4/27/2018	4/27/2018
M		Animal care records are illegible due to not using waterproof ink.	Moving forward, please begin using waterproof ink.	PI	4/27/2018	4/27/2018
M		Currently there is no sign for the emergency eyewash.	Please obtain an emergency eyewash sign and a wall mounted unit.	AC	4/23/2018	4/11/2018
M		Currently there is not an updated emergency contact list.	Please obtain a current emergency contact list to post, preferable with a date.	PI	4/27/2018	4/27/2018
M		Bottom of door is peeling and cracking.	Place a WO to have this door sealed so it creates a sanitizable surface.	AC	6/4/2018	6/4/2018
M		On the census sheet, there is no starting number of fish. Only numbers of dead and removed fish are being documented.	Moving forward, please indicate on the census sheet a starting number of fish.	PI	4/23/2018	4/16/2018
M		Currently there is no sign for the emergency eyewash.	Please obtain an emergency eyewash sign and a wall mounted unit.	AC	4/23/2018	4/11/2018
M		Controlled drugs do not have any bar codes.	Please contact EH&S (b) (6) to obtain barcodes for all controlled drugs. They must be tracked through this department.	PI	4/23/2018	4/12/2018
M		Peeling paint was found in the corner of this room with water stains on the wall.	Please place a WO to have this repaired.	AC	4/23/2018	4/12/2018
M		Rusty hamster and mouse wheels were found in this room.	Please remove rusty animal wheels from this room and properly dispose.	PI	5/16/2018	5/16/2018
M		Tape residue from temperature tapes has built up on wash rack. This should be removed because it creates a non sanitizable surface.	Please remove residue from wash rack.	AC	5/18/2018	5/18/2018
M		The door leading to this room does not properly close.	An area where the door closes near face plate needs to be filed down or place WO.	AC	4/19/2018	4/6/2018
M		Sharps container was overfilled.	Please provide a larger sharps container for this room and have full one removed.	AC	4/19/2018	4/4/2018
M		Beads in sterilizer appeared dirty.	Please wash beads with a soap cleaner or replace them.	AC	4/25/2018	4/25/2018

M	(b) (4)	Rats do not have behavioral enrichment, however, it is requested in the protocol.	Please discuss enrichment needs with PI and get approval for the addition of enrichment that is acceptable for these particular animals.	AC	4/19/2018	4/3/2018
M		Cage cards are not labelled properly. Many cards do not list age of the animals/breeders. Breeding cages do not list date of birth for litters.	All cages need to be labelled properly with this information.	PI	5/2/2018	5/2/2018
M		Dust was found in this room on the air supply vents and the walls.	Please dust these areas of the room.	AC	4/19/2018	4/10/18
M		Plastic pipettes along with a container of saline were found left out on the cage rack shelf. Pipettes appeared dirty and were collecting dust in the open animal room.	Pipettes used for vaginal lavage should be sterile at the time of use and not shared between animals. Unused pipettes should be stored appropriately in order to avoid contamination before use. Please dispose of pipettes after each use and use new pipettes on each animal.	PI	4/19/2018	4/12/2018
M		Four cages were found on a cart.	Animal cages should be located on appropriate cage racks. Please remove cages from the cart.	AC	4/19/2018	4/5/2018
M		Door jam covering needs to be replaced.	Please replace the door jam covering or place WO.	AC	4/19/2018	4/12/2018
M		Cage racks were not labeled with a sanitation date.	Racks must be labelled with the date that they were last sanitized.	AC	4/19/2018	4/10/18
M		Racks in both sound chambers (large and small) need to be thoroughly cleaned and sanitized. Cage and rack sanitation schedule is not being conducted at the frequency defined on the animal care door sheet.	Please clean and sanitize the racks in both rooms. Please follow the sanitation schedule on the door sheet.	PI	5/7/2018	5/7/2018
M		All reptile tanks have outdated cards with an old protocol number.	Please replace these cards with updated protocol numbers.	PI	5/10/2018	5/10/2018
M		There is raw wood on part of the top of tank (protocol 16-0013).	This raw wood needs to be sealed to create a sanitizable surface.	PI	5/8/2018	5/8/2018
M		No received or expiration date is on the barrel that contains animal bedding.	Please add a received and expiration date of animal bedding that is contained in the barrel.	PI	5/8/2018	5/8/2018
M		Fruit powder does not have an open date.	Please write an open date on the top of this container so it can be read easily.	PI	5/8/2018	5/8/2018
M		Not monitoring the dates of scissor sharpening for decapitation method and not using a method for verifying sharpness.	For all decapitation methods, a sharpening log must be maintained. Sharpening should occur at least yearly. A method for verifying sharpness should also be documented on this log (for example how efficiently a rubber band can be cut on the scissors.)	PI	5/7/2018	5/7/2018

M	(b) (4)	Bottle of Isoflurane does not have an expiration date.	Please label Isoflurane with an expiration date.	PI	5/7/2018	5/7/2018
M		MS-222 from Sigma does not have an expiration date.	Please label this MS-222 with an expiration date. You can contact Sigma and they should be able to provide you with one.	PI	5/16/2018	5/16/2018
M		Some cage cards have out of date protocol numbers listed.	Please update these cards with the new protocol numbers.	PI	5/7/2018	5/7/2018
M		Loose paper is being stored on a shelf.	Please store in secondary containment to avoid attracting vermin.	PI	5/7/2018	5/7/2018
M		There are several holes in the walls.	Place a WD to repair and patch these holes.	AC	5/8/2018	5/8/2018
M		Incorrect wording is being used in the surgery records in this room. For example, in entries 4/18/18 and 4/23/18, "starving" was written on these days.	Moving forward, please use "food deprivation" in these entries. Also, please correct this wording on all appropriate entries and use "food deprivation" rather than "starving".	PI	5/9/2018	5/9/2018
M		A "drain fly" was noticed in this room.	Drains/pipes in this area should be treated to prevent these insects.	AC	5/15/2018	5/8/2018
M		Bead sterilizer does not have a cover.	Please add a cover to this bead sterilizer in this room.	PI	5/9/2018	5/9/2018
M		Currently, there is no room temperature recording on days that animal surgeries take place.	Start recording room temperature on days of animal surgery.	PI	5/9/2018	5/9/2018
M		Extension cords/electrical wires are on the floor.	Cords/wires should not be on the floor and in walking areas.	PI	5/16/2018	5/16/2018
M		Some bird chambers in this room are dirty.	Please clean bird chambers.	PI	5/9/2018	5/9/2018
M		Extension cords/electrical wires are on the floor.	Cords/wires should not be on the floor and in walking areas.	PI	5/16/2018	5/16/2018
M		Aviary 3 and 4 has some feed on the ground and drinking water is low for these birds.	Please clean feed that is on the floor and supply birds with more drinking water.	PI	5/9/2018	5/9/2018
M		Table in this room is very unstable. The manner in which the oxygen tank was secured to the table was not safe. The tank needs to be attached to the wall or a more stable surface.	Please secure this table so it is more secure.	PI	5/25/2018	5/25/2018
M		Controlled drugs are expired and need to be picked up by EH&S.	Please contact (b) (6) in EH&S to schedule a pick up for removal of controlled drugs.	PI	5/15/2018	5/1/2018
M		Bottles of Isopropanol do not have an expiration date written on them.	All reagents require a valid expiration date clearly written on them. Please write an expiration date on the bottles.	PI	5/17/2018	5/17/2018
M		Eyewash station is in corner of room and should be relocated to another area.	Please move/relocate the eye wash station to another area (for example under the drug box).	AC	5/25/2018	5/25/2018

M	(b) (4)	All reagents must be written out completely and unabbreviated.	PI	5/4/2018	4/30/2018
M	70% ethanol is abbreviated as 70% ETOH.	Please obtain a seat that can be sanitized (for example, leather).	PI	5/15/2018	4/30/2018
M	A seat/chair in this room is cloth covered and can not be sanitized.	Please hang up the mop (off the floor) and seal the wooden handle so it creates a sanitizable surface.	PI	5/4/2018	4/30/2018
M	Mop is on the floor and has a wooden handle.	Please obtain a "DO NOT RECAP NEEDLES" sign and hang on the sharps box.	AC	5/25/2018	5/25/2018
M	Currently there is no "DO NOT RECAP NEEDLES" sign on the sharps box.	Please contact (b) (6) in EH&S to schedule a pick up for removal of controlled drugs.	PI	5/15/2018	5/1/2018
M	Controlled drugs are expired and need to be picked up by EH&S.	Please leave the container on the mat or post a sign of what the contents are and when footbath is being changed.	PI	5/1/2018	5/1/2018
M	Currently there is no indication of what the footbath contains or when it was changed.	Please replace this sign and use a waterproof marker.	PI	5/1/2018	5/1/2018
M	The sign on the disinfectant barrel for the netting is illegible (marker has come off).	Please label the MS-222 with a date of when it was mixed.	PI	5/1/2018	5/1/2018
M	There is no mix date on the MS-222 bottle.	Expired chemicals should be disposed.	PI	5/1/2018	5/1/2018
M	Oxytetracycline has a received date of 6/23/04.				