

Annual Report to OLAW

Institution: University of Hawaii
Assurance Number: D16-00264 (A3423-01)
Reporting Period: October 1, 2020 - September 30, 2021

This institution's Institutional Animal Care and Use Committee (IACUC), through the Institutional Official, provides this annual report to the Office of Laboratory Animal Welfare (OLAW).

I. Program Changes *[Select A or B]*

- ☐ A. There have been **no changes** in this institution's program for animal care and use as described in the Assurance. *[Skip to Item II.]*
- ☒ B. Change(s) in this institution's program for animal care and use as described in the Assurance have occurred during this reporting period.

Select all that apply:

- ☐ This institution's AAALAC accreditation status has changed (PHS Policy IV.A.2.).
- ☐ AAALAC Accredited - Category 1
- ☐ Non-Accredited - Category 2
- ☒ This institution's program for animal care and use has changed (PHS Policy IV.A.1.a-i.).
[Attach a full description of the changes.]
- ☐ The individual designated by this institution as the Institutional Official has changed.
[Provide name, title(s), address, e-mail, phone, and fax numbers in Item V.]
- ☒ The membership of this institution's IACUC has changed. *[Provide current roster of members in Item VI.]*

II. Semiannual Evaluations

This IACUC has conducted semiannual evaluations of the institution's program and inspections of the institution's facilities (including satellite facilities) on the dates below. Reports of the evaluations and inspections have been submitted to the Institutional Official. The reports include any IACUC-approved departures from the *Guide* with a reason for each departure, any deficiencies (significant or minor) that were identified, and a plan and schedule for correction of each deficiency. *[Do not provide semiannual reports unless they include a minority view.]*

A. Program Evaluations

[Two dates (month/day/year) must be provided to satisfy the PHS Policy requirement that evaluations be done at 6 month intervals. If the IACUC conducted more than 2 evaluations of the program during the reporting period, please attach a list showing the dates.]

Date 1: March 18, 2021	Date 2: September 16, 2021
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B. Facility Inspections

[Two dates (month/day/year) must be provided to satisfy the PHS Policy requirement that facility inspections be done at 6-month intervals. If the IACUC conducted more than 2 inspections of each site during the reporting period, please attach a list showing the dates.]

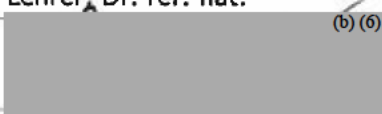

Date 1: Attachment 2

Date 2: Attachment 2

III. Minority Views [Select A or B]

- [☒] A. There were **no minority** views during this reporting cycle.
- [☐] B. Any minority views submitted by members of the IACUC regarding reports filed under PHS Policy IV.F. for this reporting cycle are attached.

IV. Signatures

IACUC Chairperson	Institutional Official
Name: Axel Lehrer, Dr. rer. nat.	Name: Victoria G. Rivera, MPA
Signature:  (b) (6)	Signature:  (b) (6)
Date: 11/3/2021	Date: 11/4/2021

V. Change in Institutional Official

Name: No Changes	
Title:	Degree/Credentials:
Name of Institution:	
Address:	
Phone:	Fax:
E-mail:	

VI. Change in IACUC Membership

[illegible]

* Names of members, other than the chairperson and veterinarian, may be represented by a number or symbol in this report 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 or former user. A consulting veterinarian may not be considered nonaffiliated.

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

Statement of Burden

Public reporting burden for this collection of information is estimated to average 90 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-0765). Do not return the completed form to this address.

Attachment 1: Summary of Changes to the Program for Animal Care and Use

- 1) A modification to Section One of our Assurance was made. We added the italicized sentence below.

I. Applicability of Assurance

This Assurance applies whenever this Institution conducts the following activities: all research, training, experimentation, biological testing, and related activities involving live vertebrate animals supported by the PHS, NSF, and non-extramural funding, contracts, and grants. The University of Hawaii applies this Assurance also to non-funded activities by which the institution is legally responsible. *This Assurance excludes activities that use privately owned animals not used in conjunction with research, testing/experimentation, or teaching/instruction.* This Assurance covers only those facilities and components listed below.

- 2) Verbiage was added to Section III D 2 of our Assurance on how we conduct IACUC inspections to outline procedures we may use during an emergency (ie: during the pandemic, we may do some virtual inspections or use ad hocs to conduct an inspection for us). We added the italicized language below.

Typically, subcommittees of at least two voting members of the University IACUC are assigned to participate in facility inspections. During emergency situations, as few as one qualified individual or ad hoc consultant with training and a working knowledge of the PHS Policy, Guide, and the AWRs may be asked to conduct an inspection for the IACUC. Areas housing AWA-regulated species are always inspected by subcommittees composed of at least two committee members.

- 3) Administrative changes to our Assurance include updates to our IACUC membership, updates to the list of inspected facilities, updates to website addresses, and updates to the list of supporting veterinarians.
- 4) There has been a change in IACUC Chair, Vice Chair and the Animal Welfare Program Manager. Those changes were previously submitted to OLAW on September 1, 2021.
- 5) Routine post approval monitoring site visits and assessments were not conducted in 2021 as described in our Assurance due to a shortage in Animal Welfare Program staff and support. The shortage was a result of a hiring freeze due to the COVID19 pandemic. Other PAM activities including animal acquisition and breeding tracking, facility monitoring by facility maintenance personnel, post operative care by trained personnel, and hands-on training in animal procedures continued in the biomedical vivariums. Continuing protocol review, laboratory inspections, daily observations of animals by trained personnel, communication with veterinary staff, veterinary observation of selected procedures, and external inspections continued through the program. A new PAM Coordinator is currently being recruited so that the enhanced PAM program may continue in 2022.
- 6) The University of Hawaii Fish Advisory Committee (FAC) proposed revisions for the Comprehensive Plan for our Aquatics Research Program to OLAW on July 6, 2021.

Requested revisions to the plan include:

- a) The FAC currently conducts inspections independent of the IACUC. The revised plan would have

members of the FAC visit facilities in conjunction with the IACUC inspections rather than independently. The Principal Investigator or designated Lab Manager will be required to attend the inspection.

b) The FAC currently conducts inspections on a biennial basis. The revised plan would have the FAC join IACUC inspectors annually to ensure that there are members present with the required expertise to thoroughly evaluate each facility. The FAC will continue to utilize the detailed FAC Inspector's Worksheet from the original plan to assess facility mechanical system monitoring and maintenance, environmental monitoring, staffing, response to alarms, availability of parts and services, stocking densities, resources to address emergencies, standard operating procedures, and alternative plans for animals if compliance cannot be met as detailed in the Worksheet. The IACUC will schedule longer inspections for these facilities to allow enough time for the more in-depth reviews.

c) The original plan stated Veterinarians would perform four inspections each year. The revised plan would include two veterinary inspections each year.

d) The FAC will offer incentives for facilities that have not had an incident or major non-compliance for a period of two years or more. Those facilities would not require the annual FAC inspection and would only host regular, semi-annual IACUC and Veterinary inspections.

e) Annual workshops will not be held, but the FAC will inspect and provide guidance to all new Principal Investigators and new laboratories that wish to begin aquatics research at the University of Hawaii.

f) If the IACUC, FAC and Veterinarians observe no major fish mortalities or non-compliances for a period of two years, the FAC would discontinue the additional inspections for existing facilities and only inspect new facilities. The FAC would continue to act as an advisory committee to provide guidance to researchers and the IACUC as needed.

We are awaiting a response from OLAW regarding these changes.

Attachment 2: Facility Inspections 2021

Facility, Laboratory, Unit, Building, or Study Site	October 2020 – March 2021	April 2021 – September 2021
(b) (4)	October 1**	April 1**
	October 1	April 1
	October 1	April 1
	October 1	April 1
	October 1	April 1
	Not active	April 12*, ***
	October 7	April 22
	October 7	April 22
	October 29	April 27
	September 10, 2020	April 27
	September 10, 2020	April 27
	October 29	May 19
	October 29	May 19
	January 29*, ***	May 19
	October 30	May 25
	October 30***	May 29***
	October 29***	May 31***
	October 26***	June 1***
	January 8	July 8
	January 8	July 8
	January 8	November 9, 2021
	January 29	July 29
	January 29	July 29
	February 8	August 10
	February 19	August 26
	February 19	August 26
	February 19	moved labs
	February 19	August 26
	Inspection not permitted**	August 31***
	Inspection not permitted**	August 31***
	March 4	September 17
	March 4	September 17
	March 4	September 17
	March 30***	October 6, 2021

* Initial Inspection

** Inactive or Closed Facility/Laboratory No Live Animal Activities or Usage

*** Virtual imagery, photos, logs and records inspection conducted due to COVID19 travel restrictions

Attachment 3

Date: November 2, 2021			
Name of Institution: University of Hawaii			
Assurance Number: A3423-01			
IACUC Roster			
Name of Member/ Code**	Degree/ Credentials	Position Title***	PHS Policy Membership Requirements****
(b) (6)			Nonscientist-UH Manoa, JABSOM, Health Sciences Library
			Scientist, United States Geological Survey, Biol. Resources Division
			Scientist, Hawaii Wildlife Center
			Scientist- UH Manoa, JABSOM, Dept. of Anatomy, Biochemistry, & Physiology
			Scientist, UH Manoa, SOEST, Sea Grant College Program
			Scientist, Kapiolani Community College, Math and Sciences Dept.
			Nonscientist, UH System, Animal and Veterinary Services, <i>non-voting</i>
			Non-Affiliated, Veterinarian, Private Practice
			Scientist, UH Manoa, JABSOM, Dept. of Cell and Molecular Biology
			Non-Affiliated Member (retired)
			Scientist, UH Manoa, JABSOM, Dept. of Tropical Medicine
			Veterinarian, Windward Community College, Dept. of Natural Sciences, Veterinary Technician Program
13 Sylvia Kondo	D.V.M.	Veterinarian	Attending Veterinarian, UH System, Animal and Veterinary Services
(b) (6)			Scientist, Windward Community College, College of Natural Sciences
			Scientist, UH Manoa, Dept. of Molecular Biosciences and Biosystems Engineering
			Scientist, UH Hilo, College of Natural and Health Sciences
			Scientist, Hawaii Institute of Marine Biology
			Scientist, Hawaii Institute of Marine Biology, Marine Mammal Research Program

(b) (6)

Veterinarian, UH Manoa, CTAHR
Scientist, Hawaii Institute of Marine Biology, Marine Mammal Research Program
Non-Affiliated Member
Scientist, Pacific Island Ecosystems Research Center
Nonscientist, UH System, Animal and Veterinary Services, <i>non-voting</i>
Scientist, UH Manoa, Human Nutrition, Food and Animal Science
Scientist, UH Manoa, JABSOM, Anatomy, Biochemistry and Physiology
Veterinarian, UH System, Animal and Veterinary Services
Nonscientist, UH Manoa, Occupational Health and Safety Program, <i>Ad hoc, non-voting</i>
Nonscientist, UH Manoa, JABSOM, Environmental Health and Safety Program, <i>Ad hoc, non-voting</i>
Nonscientist, UH Manoa, JABSOM, Facilities, Operations and Planning, <i>Ad hoc, non-voting</i>
Nonscientist, UH System, Office of Research Compliance, <i>Ad hoc, non-voting</i>
Nonscientist, UH Manoa, Environmental Health and Safety Program, <i>Ad hoc, non-voting</i>

Alternates:

- ^A Alternate for Nonscientist
- ^B Alternate for Scientist
- ^C Alternate for Community Member
- ^{AV} Alternate for Attending Veterinarian
- ^{VC} Vice Chairman

Abbreviations:

CTAHR – College of Tropical Agriculture and Human Resources
JABSOM – John A. Burns School of Medicine
SOEST – School of Ocean and Earth Science and Technology