

Annual Report to OLAW

Institution: Mayo Clinic
Assurance Number: D16-00187 (A3291-01)
Reporting Period: January 1 , 2019-December 31, 2019

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. ([FAQ 6](#))

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: 06/13/19	Date 2: 12/23/19
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B. Facility Inspections


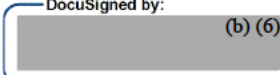
[Two dates (month/day/year) must be provided to satisfy the PHS Policy requirement that facility inspections be done at 6 month intervals. If the IACUC conducted more than 2 inspections of each site during the reporting period, please attach a list showing the dates.]

Date 1: Arizona-03/26/2019	Date 2: Arizona-09/25/2019
Date 1: Florida-04/04/2019	Date 2: Florida-10/28/2019
Date 1: Rochester-Alfred-04/18/2019	Date 2: Rochester-Alfred-10/17/2019
Date 1: Rochester-IHF-04/25/2019	Date 2: Rochester-IHF-10/24/2019
Date 1: Rochester-Guggenheim 19-05/16/2019	Date 2: Rochester-Guggenheim 19-11/06/2019
Date 1: Rochester-Guggenheim 20-05/23/2019	Date 2: Rochester-Guggenheim 20-11/12/2019
Date 1: Rochester-Med Sci/Opus-05/02/2019	Date 2: Rochester-Med Sci/Opus-10/29/2019
Date 1: Rochester-Stabile-05/30/2019	Date 2: Rochester-Stabile-11/21/2019
Date 1: Rochester-Gugg PI labs-06/06/19, 06/11/19, 06/19/19	Date 2: Rochester-Gugg PI labs-12/05/19, 12/11/19, 12/19/19
Date 1: Rochester-Clinical Areas-06/18/2019	Date 2: Rochester-Clinical Areas-12/10/2019

III. Minority Views [Select A or B]

- [X] 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: Christina Pabelick	Name: Joshua B. Murphy
 (b) (6) Signature	DocuSigned by:  (b) (6) DE3CAE8CF1C0491... Signature
Date: January 27, 2020	Date: 1/27/2020

V. Change in Institutional Official

Name:	
Title:	Degree/Credential:
Name of Institution:	
Address: [street, city, state, zip code]	

E-mail:	
Phone:	Fax:

VI. Change in IACUC Membership [*Current roster*]

Institution: Mayo Clinic			
IACUC Contact Information (b) (6)			
Address: 200 1 st St SW, Rochester, MN 55905			
E-mail: (b) (6)@mayo.edu			
Phone: (b) (6)		Fax: (b) (6)	
IACUC Chairperson			
Name: Christina Pabelick			
Title: Cons-Anesthesia-Perioperative Med		Degree/Credentials: M.D.	
PHS Policy Membership Requirements***: Chair/Scientist			
IACUC Roster [<i>Provide below or attach</i>]			
Name of Member/ Code*	Degree/ Credential	Position Title/ Occupational Background**	PHS Policy Membership Requirements***
Meier, Thomas	DVM, MBA, DACLAM	Chair-Dept. Comparative Medicine	Attending Veterinarian
(b) (6)			Veterinarian (Alternate)
			Veterinarian
			Veterinarian (Alternate)
			Veterinarian
			Veterinarian (Alternate)
			Scientist
			Scientist
			Scientist
			Scientist
			Scientist
			Scientist
			Scientist
			Scientist
			Non-affiliated
			Non-affiliated (Alternate)

(b) (6)	Non-Scientist
	Member
	Non-voting member
	Non-voting member
	Non-voting member
	Non-voting member
	Non-voting member

* 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 (for example, 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.]

The following Program changes occurred in 2019:

1. Mayo Clinic has been on an enhanced reporting schedule with OLAW during 2019. During the year the following changes were implemented to strengthen the animal program:
 - a. Two Post Approval Monitoring (PAM) Specialists were hired and a formal Post Approval Monitoring Program was initiated.
 - b. Two additional education specialists were hired to train Department of Comparative Medicine (DCM) personnel and laboratory personnel.
 - c. A representative from Management Engineering & Internal Consulting Services was assigned to work with DCM, IACUC and laboratory personnel to analyze the root cause(s) of husbandry issues and offer recommendations to IACUC regarding possible enhancements to the animal program.
 - d. Multiple training sessions on laboratory animal husbandry requirements were offered throughout the year to general audiences and laboratory specific sessions were required for any lab with a history of husbandry issues.

- e. Five additional animal caretaker FTE's and four additional supplemental animal caretakers were added to the DCM staff to assist with enhanced monitoring of laboratory animals.
 - f. Daily water valve checks were added to the animal caretaker procedures.
 - g. Mayo Rochester began a phased approach switching to the Hydropac® system.
 - h. Facility orientations were revised to include didactic training and hands-on training with caging systems.
 - i. IACUC held required meetings with Operation Managers and Research Administrators in an effort to gain additional support for efforts to improve the animal program. The Operation Managers and Research Administrators were advised that husbandry errors could require administrative oversight and initiation of a corrective action process for research personnel led by administration and Human Resources.
2. Mayo Clinic revised the educational requirements for the following groups:
- a. For IACUC Members:
 - Care and Handling of Zebrafish
 - Essentials for IACUC Members
 - b. All researchers (as applicable):
 - Anesthesia
 - Analgesia (Pain Management)
 - Euthanasia
 - c. All researchers performing rodent survival surgery:
 - Aseptic Technique for Rodent Survival Surgery
3. DCM is now offering a weekly hands-on training course in aseptic rodent surgery. It will be used initially as an on-demand course, but eventually will become a required part of the Mayo Clinic animal use training curriculum.
4. The procedure to identify singly housed animal and provide them with additional enrichment options was revised.
5. The following new policy was created:
- d. Zebrafish Facility Policy
6. The following policies were revised
- e. Acclimation (Stabilization) for Newly Arrived Animals
 - f. Institutional Animal Care and Use Committee (IACUC) Training and Continuing Education Requirements
 - g. Environmental Enrichment and Social Housing Policy.
 - h. Animal Surgery Policy
 - i. Reporting and Investigating Animal Concerns Policy
 - j. Rodent Survival Surgery
 - k. Humane Endpoints - Rodent Tumors
 - l. Animal Procurement Policy
 - m. Reporting and Investigating Animal Concerns Policy.
 - n. Rodent, Summary of Disinfectants and Sterilants Used During Survival Surgery