

Annual Report to OLAW

Institution: University of California, San Diego
Assurance Number: A3033-1 / D16-00020
Reporting Period: 1/1/19 – 12/31/19

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: 5/15/19	Date 2: 11/13/19
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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: 11/1/2018, 11/5/2018, 11/6/2018, 11/13/2018, 11/15/2018, 11/27/2018, 1/8/2019, 1/9/2019, 1/22/2019, 1/23/2019, 1/24/2019, 1/29/2019, 2/5/2019, 2/6/2019, 2/8/2019, 2/7/2019, 2/14/2019, 2/21/2019, 3/14/2019, 3/12/2019, 3/19/2019, 3/21/2019, 3/22/2019, 3/26/2019, 3/28/2019, 4/9/2019, 4/11/2019, 4/18/2019, 4/25/2019	Date 2: 5/6/2019, 5/7/2019, 5/8/2019, 5/9/2019, 5/21/2019, 5/22/2019, 7/9/2019, 7/10/2019, 7/11/2019, 7/12/2019, 7/24/2019, 7/25/2019, 8/1/2019, 8/6/2019, 8/8/2019, 8/9/2019, 8/13/2019, 8/15/2019, 9/3/2019, 9/5/2019, 9/9/2019, 9/10/2019, 9/12/2019, 9/24/2019, 9/26/2019, 10/1/2019, 10/2/2019, 10/3/2019, 10/10/2019, 10/17/2019
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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: Michael Gorman, PhD	Name: Sandra A. Brown, PhD
Signature: (b) (6)	Signature: (b) (6)
Date: 1/29/2020	Date: 1/29/2020

V. Change in Institutional Official

Name: N/A	
Title:	Degree/Credential:
Name of Institution:	
Address: [street, city, state, zip code]	
E-mail:	
Phone:	Fax:

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

Institution: University of California, San Diego			
IACUC Contact Information			
Address: [<i>street, city, state, zip code</i>] Kristen Anderson-Vicino, MS 9500 Gilman Drive Mail Code 0071 La Jolla, CA 92093-0071			
E-mail: iacuc@ucsd.edu			
Phone: (b) (6)		Fax: 858-534-3478	
IACUC Chairperson			
Name: Michael Gorman, PhD			
Title: Professor		Degree/Credentials: PhD	
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***
(b) (6)			Scientist
			Member
			Scientist
			Nonscientist
			Member
			Scientist
			Nonaffiliated
			Scientist
			Scientist
Michael Gorman	PhD	Professor	Scientist
(b) (6)			Scientist
			Scientist
			Scientist
			Scientist
			Scientist
			Scientist
			Scientist
Phil Richter	DVM, PhD	Director, Animal Care Program	Attending Veterinarian
(b) (6)			Member

	(b) (6)	Scientist
		Member
		Scientist
		Scientist
		Scientist
		Alternate Member
		Alternate Scientist and Member
		Alternate Veterinarian
		Alternate Veterinarian
		Alternate Veterinarian

* 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:

Veterinarian 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.

Scientist practicing scientist experienced in research involving animals.

Nonscientist member whose primary concerns are in a nonscientific area (for example, ethicist, lawyer, member of the clergy).

Nonaffiliated 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.]

1B, Program Changes:

III. D. 6) Amendments to protocols that do not involve a dog, cat or non-human primate may be processed administratively after veterinary verification and consultation (VVC) if they meet the following criteria per the UC San Diego IACUC Protocol Review Process (Policy 39):

- a. Addition of Buprenorphine SR as post-operative analgesia, with dosage and application schedule as recommended by the ACP veterinarian.
- b. In cases of drug supply shortages, at the recommendation of an ACP veterinarian, an extension of an existing drug's expiration date for a specified period of time or use of a non-pharmaceutical grade equivalent of the approved drug for a specified time.
- c. Addition or replacement of a euthanasia method that is acceptable (or conditionally acceptable when those conditions are met) according to the AVMA Guidelines for the Euthanasia of Animals.
- d. Replacement of an existing blood collection method or addition of a blood collection method when performed as described in the Blood Collection policy (Policy 5). The new method must not increase the potential risk and/or pain and distress level and at least one method must already be approved in the protocol.
- e. Addition or replacement of an approved experimental or therapeutic compound or agent for a similar compound or agent, or a change of dosage, frequency or application route for a compound or agent, only after ACP veterinary consultation, and if the expected drug action and possible adverse effects are comparable.
- f. Requests for permission to photograph or video animals according to IACUC Policy 29, Video and Photography in Animal Use Areas.

In these cases, a veterinarian authorized by the IACUC serves as a subject matter expert to verify that compliance with the IACUC-reviewed and approved policy is appropriate for the animals in this circumstance. Consultation with the veterinarian is documented. The veterinarian may refer any request to the IACUC for review for any reason and must refer any request that does not meet the parameters of the IACUC policies.

Additionally, in the letter to Dr. Sandra A. Brown, Vice Chancellor for Research, from the Office of Laboratory Animal Welfare (OLAW), dated July 25, 2019, Eileen Morgan requested the following updated information be provided to OLAW with UC San Diego's 2019 Annual Report.

- 1) Please provide an update on the minimum tank requirements for Environmental Enrichment for zebrafish.

A subcommittee of the UC San Diego Institutional Animal Care and Use Committee (IACUC) reviewed the relevant literature and consulted with a subject matter expert about zebrafish enrichment. After considerable deliberation, the IACUC voted unanimously to update the IACUC's Policy on Housing and Environmental Enrichment for Laboratory Animals to state, "Placing floating devices is encouraged in tanks of zebrafish with low density."

- 2) Please provide more detail regarding the additional information to be reviewed by the UCSD IACUC for the oversight of field studies.

Investigators with field studies are required to provide the following information for review by the IACUC on an annual basis:

- How many animals, by species, were used for the work described on (protocol) in the last year?
- If there has been no animal work, when do you expect to resume animal work?
- In general, what procedures were performed on these animals?
- What is the status of your permit(s) for this work?
- Are all personnel working with animals listed on your animal protocol?
- Have there been any adverse events, unexpected animal deaths or other problems related to animal use on this protocol?
- Were non-target animals affected by the research activity? If so, please describe.