



IMPORTANT! YOU MAY NOT OBTAIN ANIMALS PRIOR TO AMENDMENT APPROVAL

Fees include a nonrefundable three percent (3%) application fee, not to exceed \$7.50 per item. (Section 700.4, Title 14, California Code of Regulations CCR).
SEE INSTRUCTIONS ON PAGE 2. TYPE OR PRINT CLEARLY.

FIRST NAME Marisela	M.I. J	LAST NAME Diaz	PERMIT NUMBER 1729
BUSINESS NAME University of California, San Diego			DAY TELEPHONE 858-534-4263

LOCATION OF ANIMAL(S) HOUSING: Note: Animals being held at multiple locations require inspection certification by the Department that each of those facilities meet the minimum applicable housing requirements as set forth in subsection 671.1(a)(8)(A-F), Sections 671.3-671.4 and/or 671.7(b), Title 14, of the CCR.

ADDRESS 9500 Gilman Drive	CITY La Jolla	STATE CA	ZIP CODE 92093	COUNTY San Diego
ADDRESS	CITY	STATE	ZIP CODE	COUNTY

List all restricted animals **TO BE ACQUIRED** in the following order: mammals, birds, fish, or reptiles. Group animals by order, family, and species. Use the following letters to denote sex: M=Male, F=Female, and U=Neutered or Unknown. Mark an "X" in the **TO BE ACQUIRED** column for animals to be acquired within the next year. **Unique Identifiers:** Use the following letters to denote unique identifying methods (See Section 671.1(c)(3)(J), Title 14, of the CCR): M=Microchip, T=Tattoo, and A=Alternative Method. Aquaculture and fish permittees: Identify the actual number in the ID number field and identify either W=Weight, V=Volume or C=Count in the method field. Remember to complete the Importation Only Section below for animals being imported into California. For California Residents Only: **All native species obtained from a licensed California Wildlife Rehabilitation Facility require a Native Species Exhibiting Permit.** Contact the License and Revenue Branch at (916) 928-5846 or SPU@wildlife.ca.gov if you need additional information.

COMMON NAME	SCIENTIFIC NAME	ID NUMBER	METHOD	SEX	AGE
Jerboa, Lesser Egyptian	Jaculus Jaculus	1	A	U	All
Spiny Mouse	Acomys cahirinus	1	A	U	All
Painted Urchin	Lytechinus pictus	1000	C	U	All
Sea Squirt	Ciona intestinalis	200	C	U	All

WILL ANIMALS BE IMPORTED INTO CALIFORNIA? YES, COMPLETE IMPORTATION SECTION NO, EXPLAIN:

Jerboas, painted urchins, sea squirts to be generated from existing in-house colonies.

Spiny mice will be received from a peer academic institution

IMPORT ONLY: COMPLETE THIS SECTION IF YOU ARE IMPORTING ANIMALS INTO CALIFORNIA

LIST SPECIES TO BE IMPORTED Spiny mouse	NUMBER OF ANIMALS 1	ORIGIN (State or Country) Connecticut
PERSON/BUSINESS SHIPPING ANIMALS Yale University, Animal Care		DAY TELEPHONE
ADDRESS 300 Cedar St, PO Box #208003	CITY New Haven	STATE CT
		ZIP CODE 06520
NAME OF CARRIER To be determined.	POINT OF ENTRY INTO CALIFORNIA To be determined.	

I certify under penalty of perjury under the laws and regulations of the State of California that all information on this application is true and correct and I am not violating any city or county laws. I agree to comply with the provisions of Section 671, Title 14, of the CCR. I understand it is unlawful to use or possess a permit which was obtained by fraud or deceit (Fish and Game Code Section 1052b). I understand that in the event that this information is found to be untrue or incorrect, the permit will be considered invalid and must be surrendered where purchased and I will be subject to criminal prosecution. I further understand that failure to comply with the terms and conditions of a permit may result in revocation of current permit and/or denial of future permits. Violation of this section is a misdemeanor, punishable by fine of not more than \$1,000.00, imprisonment in the county jail for not more than six months, or both the fine and the imprisonment. In addition, I may be [Game Code Section 2125](#).

APPLICANT X	DATE 8/14/24
FOR DEPARTMENT REVIEW	ISSUED BY/DATE



INSTRUCTIONS FOR COMPLETING THE RESTRICTED SPECIES PERMIT AMENDMENT REQUEST

Use this form to: 1) add species you are not currently authorized to possess; 2) increase the number of animals where there are condition limitations; or 3) add/change facility locations.

Please allow 45 business days for processing your request. Amendments for transgenic species must go before the Fish and Game Commission, so you must allow an additional 30 business days. Incomplete requests will be returned and could delay the issuance of your amendment. Contact the Department of Fish and Wildlife (Department), License and Revenue Branch at (916) 928-5846 or SPU@wildlife.ca.gov if you need additional information regarding Restricted Species Permits.

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BY LRB

To complete this application, you must:

1. It is mandatory to complete all items unless exempted.
2. Sign and date the amendment request in ink (an original signature is required).
3. Provide a list of animals to be acquired.
4. Provide a statement of purpose describing in detail the planned use for each animal. Applicants shall include relevant materials, as appropriate, including any lists of prospective clients with their contact information or contracts with clients or websites, scripts, brochures or flyers promoting or describing the planned use of the animals. If the animals will be used in an educational program, the applicant shall provide an explanation why live restricted species are necessary and samples of the educational material and message that will be distributed (not required for animal care, AZA, breeding, research and single event breeding permittees).
5. Provide a resume that provides dates and details documenting you or your full-time employee's qualifying experience caring for restricted animals at a facility engaged in a similar or directly related activity to the permit requested and for the animal(s) to be acquired. This experience shall have been acquired within the previous five years and include a total of at least one year full-time, hands-on experience caring for a species in the same family or closely related taxonomic family as the species requested (required for breeding, exhibiting, nuisance bird abatement, shelter and single event breeding permittees only).
6. Provide a letter of recommendation, written within the previous five years on **letterhead stationery, with an original signature**, from the facility where you or your full-time employee gained the experience. Document the quality and extent of the knowledge and experience, as related to the species and permit requested (required for breeding, exhibiting, nuisance bird abatement, shelter and single event breeding permittees only).
7. Provide an updated copy of your Emergency Action Plan that includes the new species.
8. Provide an updated Breeding Plan that includes the new species (required for breeding and single event breeding permittees only).
9. Provide photograph(s) of the enclosure(s) for animal(s) to be acquired that includes all required elements of the minimum standards as specified in Section 671.3.
10. Provide any other supporting documentation required by regulations.
11. Mail the completed application and supporting documentation with a cashier's check, money order, personal or business check*, or credit card** authorization form with the appropriate fee to the Department of Fish and Wildlife, License and Revenue Branch, PO Box 944209, Sacramento, CA 94244-2090 or apply in person. **DO NOT SEND CASH.**

IMPORTANT INFORMATION FROM THE DEPARTMENT OF PUBLIC HEALTH

The Department of Public Health (CDPH) has regulatory authority over the importation of specified carnivores (including skunks and raccoons), nonhuman primates and bats, due to potential health hazards.

Section 2606.8, Title 17, of the CCR, prohibits the importation of skunks because the hazard to the public from exposure to rabies is extremely high. The CDPH is concerned that certain wild animals could carry rabies and introduce new strains of rabies into the state of California. Therefore, the Department routinely denies requests for the importation and possession of skunks and raccoons. Exceptions may rarely be made for zoological or research institutions demonstrating an extraordinary need. The importation of other specified carnivores, bats or nonhuman primates may be allowed under a CDPH permit in certain circumstances. **For more information on CDPH permits, please contact them at (916) 552-9740.**

NOTICE

Disclosure Statement—Under Section 671.1, Title 14, of the CCR, the Department of Fish and Wildlife is authorized to collect information from applicants to maintain a record of licensure. All information requested on this application is mandatory unless otherwise indicated. All information except the street address and telephone number of the applicant may be provided to the public, if requested. All information related to a business may be released, including the residence address if it is the same as the business address. Other personal information submitted on this application may be released for law enforcement purposes, pursuant to court order, or for official natural resources management purposes.

A licensee may obtain a copy of his/her license records maintained by the Department by submitting a written request to the Custodian of Records, at the Department of Fish and Wildlife, License and Revenue Branch, PO Box 944209, Sacramento, CA 94244-2090. All requests must include the requester's name, address, and telephone number.

PAYMENT POLICY

***Personal or business checks** will be accepted by the Department if name and address are imprinted on the check. Checks returned to the Department due to insufficient funds will render your permit invalid. The Department may also deny the issuance or renewal of any permit if a person has failed to reimburse the Department for the amount due. Any activity performed without a valid permit is a violation of the Fish and Game Code and therefore subject to enforcement action.

****Credit Cards**—Licenses, permits, tags, stamps, or registrations may be purchased with a Visa or MasterCard.

Statement of Purpose

Species	Purpose
Jerboa, Lesser Egyptian	These animals will be used to study the molecular mechanisms of limb evolution.
Spiny Mouse	Animals will be used to study wound healing properties as it relates to cardiomyocyte proliferation following cardiac injury,
Transgenic Painted Sea Urchin	These animals will be used to study drug metabolism in the embryo, and generating transgenic resources for sea urchin developmental biology.
Transgenic Sea Squirt	Animals will be used to understand how the genome encodes development and the types of changes within the non-coding genome that contribute to disease.

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UCSD Emergency Action Plan for Detrimental Species

(Pursuant to Section 671.1 (c)(3)(I), Title 14 of the CCR) Revision date: August 13, 2024

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Subsection	Requirement	Fulfillment
a.	Re-capture equipment available	Nets for rodents, fish, amphibians, and aquatic invertebrates. Traps for rodents.
b.	Description of human lethal dispatch methods for various animals and a list of qualified personnel who are trained to carry out the methods	<p>Fish, amphibians: Immersion in tricaine methane sulfonate (MS-222) or injection with approved barbiturate euthanasia agent.</p> <p>Aquatic invertebrates: Immersion in tricaine methane sulfonate (MS-222), injection with approved barbiturate euthanasia agent, or exposure to cold/freezing temperatures.</p> <p>Rodents: Injection with approved barbiturate euthanasia agent or inhalation of CO2 gas.</p> <p>List of qualified personnel: Trained UCSD animal technicians, supervisors, veterinarians, and research staff.</p>
c.	List of medical supplies/first aid kits and where they are located	EMERGENCY MEDICAL SUPPLIES and kits containing MEDICAL SUPPLIES in animal facilities and labs.
d.	Description of mobile transport cages and equipment on hand	Tanks, cages, and crates of varied and appropriate sizes.
e.	List of emergency telephone numbers that includes the local department regional office, 911, and animal control agencies	<p>UCSD Security: (858) 534-4357</p> <p>San Diego Police Department: 858-552-1700 or 911</p> <p>CA Dept. Fish & Wildlife Dispatch: 951-443-2944</p> <p>CA Dept. Fish & Wildlife South Coast Region: 858-467-4201</p> <p>County of San Diego Animal Control 619-236-2341</p>
f.	Written plan of action for emergencies	<p><u>As an AALAC accredited institution, UCSD has an extensive campus-wide emergency action plan. Below are three specific aspects of it, as it relates to detrimental animal species.</u></p> <p><u>Evacuation plan:</u> In case of an emergency that would necessitate evacuation, established written guidelines would be followed that include treatment of injured persons, routes of escape, containment of all animals, coordination with on and off campus response agencies, and accounting for all staff members.</p> <p><u>Animal attack:</u> In case of animal attack, personnel would contain and control the animal, ensuring that it is in an appropriate enclosure for the particular species, administer first aid to the victim, call on or off campus medical personnel if necessary for assistance, call the Campus Veterinarian or on-call veterinarian for assistance if needed, and report the incident to the appropriate personnel.</p> <p><u>Animal escape:</u> If an animal escape occurred, UCSD Animal Care Program</p>

personnel would recapture the animal using the appropriate equipment for the species involved and report the escape to the proper on and off campus authorities.

This information applies to all species listed on permit #1729 for the University of California, San Diego:

Species	Location
<i>Xenopus laevis</i>	UCSD Campus 9500 Gilman Drive, La Jolla CA 92093
<i>Xenopus tropicalis</i>	UCSD Campus 9500 Gilman Drive, La Jolla CA 92093
Jerboa, Egyptian	UCSD Campus 9500 Gilman Drive, La Jolla CA 92093
Spiny mouse	UCSD Campus 9500 Gilman Drive, La Jolla CA 92093
Salamander, Mexican	UCSD Campus 9500 Gilman Drive, La Jolla CA 92093
Transgenic Zebrafish	UCSD Campus 9500 Gilman Drive, La Jolla CA 92093
Transgenic Painted Sea Urchin	UCSD Campus 9500 Gilman Drive, La Jolla CA 92093
Transgenic Sea Squirt	UCSD Campus 9500 Gilman Drive, La Jolla CA 92093

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Housing of Spiny Mice

Procedures:

1. Spiny mice will be housed in standard laboratory ventilated mouse or rat cages within a controlled-access vivarium.
2. Examples of cages and racks include:



a.



b.

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Expiration Date: September 15, 2023

United States Department of Agriculture

**Marketing and
Regulatory
Programs**

This is to certify that
UNIVERSITY OF CALIFORNIA-SAN DIEGO

**Animal and
Plant Health
Inspection
Service**

is a registered Class R - Research Facility under the

Animal Welfare Act (7 U.S.C. 2131 et seq.)

Animal Care

Certificate No. 93-R-0437

Customer No. 9196

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Deputy Administrator

From: Krueger, Lauren <lkrueger@UCSD.EDU>
Sent: Monday, September 23, 2024 12:33 PM
To: Hayes, Alyssa@Wildlife
Cc: Yang, Xao [REDACTED]
Subject: Re: 2024 Restricted Species Amendment - UC San Diego
Attachments: MOU_Amendment_LDK_Sep24_signed.pdf; UCSD OLAW Approval.pdf; 1 AAALAC Verification letter - # 000503.pdf

WARNING: This message is from an external source. Verify the sender and exercise caution when clicking links or opening attachments.

Hello Alyssa,

Thank you again for your time and support with this amendment.

Please find my responses to your questions below in red:

1. **Inventory/TBA.**

- a. On your amendment you listed the following animals as additions to your permit:
 - i. Lesser Egyptian jerboa (*Jaculus jaculus*) – this species is already approved on your permit.
 1. This species does not appear in print on our 2024-2025 permit.
 - ii. Spiny mouse (*Acomys cahirinus*)
 1. Yes - this is correct.
 - iii. Painted urchin (*Lytechinus pictus*) – is this animal transgenic? This species is not restricted unless it is transgenic.
 1. Yes - this animal is transgenic.
 - iv. Sea squirt (*Ciona intestinalis*) – is this animal transgenic? This species is not restricted unless it is transgenic.
 1. Yes - this animal is transgenic.

2. **USDA license.**

- a. The USDA license that was provided with the amendment has since expired (9/15/2023). Do you have an updated USDA license?
 - i. The requirement to update a research facility's registration every 3 years has been eliminated (<https://www.aphis.usda.gov/animal-care/awa-services/faqs-awa-research-facility-registration-updates-reviews-reports>).

3. **Self-inspection report (MOU).**

- a. As an MOU facility, UC San Diego is permitted to conduct its own inspections by an accredited USDA veterinarian. These self-inspection reports are required per your original MOU agreement. Please see below:

INSPECTION REQUIREMENTS

1. The ELE shall inspect research facilities as defined by CCR, Title 14, Section 671.1, subdivision (b)(9), once per year. If non-compliance is found, additional inspections shall follow to establish subsequent full compliance. If compliance is not accomplished within 45 days of initial inspection the ELE must notify the Department.
 2. The ELE shall send an annual report describing the findings of the inspection. The report shall include:
 - a. The name of the facility inspected;
 - b. An inventory of what animals were inspected;
 - c. The date(s) of inspection;
 - d. What caging requirements (i.e. current version of the *Guide for the Care and Use of Laboratory Animals*) were used to inspect the facility;
 - e. Proof of the facility's Association for Assessment and Accreditation of Laboratory Animal Care International (AAALAC) accreditation status;
 - f. If the facility was in compliance with the standards set forth in CCR, Title 14, sections 671.2, 671.3(e), 671.4, and 671.7 if applicable;
 - g. The name and signature of the ELE (or its representative if the ELE is a Research Entity), date, and the USDA Accreditation Number;
 - h. If violations are found, a detailed description of the violations including citations describing the specific sections violated; and
 - i. If violations are found, a current status of the violation (if proper changes have occurred to bring the research facility back into compliance).
 3. The report shall be sent to the Department with the annual permit renewal.
 4. This MOU will be valid for 5 years with annual renewal and the annual ELE/MOU renewal fee paid.
- Please submit an updated inspection report with the above criteria fully reflected in your current report.
 - Please find attached an updated inspection report as well as our AAALAC accreditation letter.
4. **Proof of federal program.**
 - a. It is required for every research permittee to submit proof of inclusion in a federal program pursuant to [California Code of Regulations \(CCR\), Title 14, Section 671.1 \(c\)\(3\)\(L\)](#).
 - Please submit paperwork that support your facility is part of a federal program as highlighted above.
 - Please find attached our OLAW assurance.

Please let me know if I can provide you with any additional information.

Thank you again for your time and have a nice day!

Kind regards,

Lauren

Lauren Krueger, BVM&S AFHEA MRCVS DAACLAM
Associate Director
Animal Care Program
University of California, San Diego
Office: (858) 822-4580

Email: lkrueger@ucsd.edu

From: Hayes, Alyssa@Wildlife <Alyssa.Hayes@Wildlife.ca.gov>
Sent: Tuesday, September 10, 2024 12:29 PM
To: Krueger, Lauren <lkrueger@UCSD.EDU>
Cc: Yang, Xao@Wildlife <Xao.Yang@wildlife.ca.gov>
Subject: 2024 Restricted Species Amendment - UC San Diego

Good morning Lauren,

California Department of Fish and Wildlife received your 2024 restricted species amendment for UC San Diego.

I had a few questions that I'd like to clear up before I can resume the reviewal process.

1. Inventory/TBA.

1. On your amendment you listed the following animals as additions to your permit:
 - i. Lesser Egyptian jerboa (*Jaculus jaculus*) – this species is already approved on your permit.
 - ii. Spiny mouse (*Acomys cahirinus*)
 - iii. Painted urchin (*Lytechinus pictus*) – is this animal transgenic? This species is not restricted unless it is transgenic.
 - iv. Sea squirt (*Ciona intestinalis*) – is this animal transgenic? This species is not restricted unless it is transgenic.

2. USDA license.

1. The USDA license that was provided with the amendment has since expired (9/15/2023). Do you have an updated USDA license?

3. Self-inspection report (MOU).

1. As an MOU facility, UC San Diego is permitted to conduct its own inspections by an accredited USDA veterinarian. These self-inspection reports are required per your original MOU agreement. Please see below:

INSPECTION REQUIREMENTS

1. The ELE shall inspect research facilities as defined by CCR, Title 14, Section 671.1, subdivision (b)(9), once per year. If non-compliance is found, additional inspections shall follow to establish subsequent full compliance. If compliance is not accomplished within 45 days of initial inspection the ELE must notify the Department.
 2. The ELE shall send an annual report describing the findings of the inspection. The report shall include:
 - a. The name of the facility inspected;
 - b. An inventory of what animals were inspected;
 - c. The date(s) of inspection;
 - d. What caging requirements (i.e. current version of the *Guide for the Care and Use of Laboratory Animals*) were used to inspect the facility;
 - e. Proof of the facility's Association for Assessment and Accreditation of Laboratory Animal Care International (AAALAC) accreditation status;
 - f. If the facility was in compliance with the standards set forth in CCR, Title 14, sections 671.2, 671.3(e), 671.4, and 671.7 if applicable;
 - g. The name and signature of the ELE (or its representative if the ELE is a Research Entity), date, and the USDA Accreditation Number;
 - h. If violations are found, a detailed description of the violations including citations describing the specific sections violated; and
 - i. If violations are found, a current status of the violation (if proper changes have occurred to bring the research facility back into compliance).
 3. The report shall be sent to the Department with the annual permit renewal.
 4. This MOU will be valid for 5 years with annual renewal and the annual ELE/MOU renewal fee paid.
 - Please submit an updated inspection report with the above criteria fully reflected in your current report.
4. **Proof of federal program.**
1. It is required for every research permittee to submit proof of inclusion in a federal program pursuant to [California Code of Regulations \(CCR\), Title 14, Section 671.1 \(c\)\(3\)\(L\)](#).
 - Please submit paperwork that support your facility is part of a federal program as highlighted above.
-

Please address the information above so that we may proceed with the amendment process.

Please let me know if you have any questions or concerns with the requests above.

Thank you,

Alyssa Hayes
Restricted Species, Special Permit Unit
License and Revenue Branch



March 27, 2023

Kristen Anderson-Vicino, M.S.
Director
IACUC Office
University of California - San Diego
9500 Gilman Drive
Mail Code 0071
La Jolla, CA 92093-0071

Dear Ms. Anderson-Vicino:

AAALAC International is pleased to convey that the University of California, San Diego, University of California, La Jolla, California is accredited. Our records show that the University of California, San Diego, University of California initially achieved AAALAC International accreditation on February 19, 1980.

This interest, contribution and participation in the AAALAC International accreditation program is valued and appreciated. As you are aware, AAALAC International conducts site visits to institutions and requires being apprised of significant programmatic changes during the interim between these site visits. Should you desire additional information or wish to comment on any aspect of the accreditation process, please contact our office.

Sincerely,



Gary L. Borkowski, D.V.M., M.S.
Global Director

GLB:jl
000503



UCSD ANIMAL CARE PROGRAM
VETERINARY SERVICES

9500 GILMAN DRIVE, DEPT 0614
LA JOLLA, CALIFORNIA 92093-0614

To whom it may concern:

I certify that the animals listed on the detrimental species permit inventory and their housing have been inspected at least twice during the year, at six month intervals, and that the animals are being cared for and housed in accordance with the applicable requirements in subsections 671.1(a)(8)(A)-(F), and sections 671.2 through 671.4, Title 14 of the CCR to satisfy the inspection requirement of amending the permit.

The most recent inspection dates:

- Axolotls: 18Jul24
- Lesser Egyptian Jerboas: 02Jul24, 15Aug24
- Xenopus spp: 02Jul24
- Zebrafish: 02Jul24, 18Jul24, 14Aug24

Veterinarian's signature: _____

Veterinarian's printed name: Lauren Krueger

USDA Accreditation #: 084562

Date: 20Sep24



FOR US POSTAL SERVICE DELIVERY:

Office of Laboratory Animal Welfare
Division of Assurances
6700B Rockledge Drive
Suite 2500, MSC 6910
Bethesda, Maryland 20892-6910
Home Page: <https://olaw.nih.gov>

FOR EXPRESS MAIL:

Office of Laboratory Animal Welfare
Division of Assurances
6700B Rockledge Drive, Suite 2500
Bethesda, Maryland 20817
Telephone: (301) 496-7163

08/04/2021

Re: Approval for D16-00020 (A3033-01)

Sandra A Brown, Ph.D.
Vice Chancellor for Research
University Of California - San Diego
9500 Gilman Drive #0043
La Jolla, CA 92093-0043

Dear Dr. Brown:

I am pleased to inform you that the Office of Laboratory Animal Welfare (OLAW) reviewed and approved your institution's Animal Welfare Assurance (Assurance) that was submitted in accordance with the Public Health Service (PHS) Policy on Humane Care and Use of Laboratory Animals (Policy), revised 2015.

Your Assurance, identification number D16-00020 (A3033-01), became effective on 08/04/2021 and will expire on 06/30/2025. Please include the Assurance number on all correspondence to OLAW. A copy of the signed Assurance document will be sent in a separate email. The signature page provides verification of approval by OLAW and includes the period during which your institution's Assurance is effective.

The Assurance is a key document that sets forth the responsibilities and procedures of your Institution regarding the care and use of laboratory animals according to the PHS Policy. The practices described in the Assurance document must be followed by all individuals in the animal care and use program.

Please note that the OLAW Annual Reporting period is the federal fiscal year, October 1 through September 30. The Annual Report to OLAW is due by December 1 (but no earlier than September 30).

If I may be of any further assistance, please do not hesitate to contact me.

Sincerely,

Animal Welfare Program Specialist, OLAW
National Institutes of Health

cc: IACUC Contact