

# IACUC Newsletter

INSTITUTIONAL ANIMAL CARE  
AND USE COMMITTEE

MARCH 2022

## RELATED WEB-SITES

IACUC website—for forms, policies, guidelines, links for Occupational Health & Animal Qualifications Info, etc.

[www.purdue.edu/animals](http://www.purdue.edu/animals)

Occupational Health Info:

<https://www.purdue.edu/research/regulatory-affairs/animal-research/occupational-health.php>

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## Classification of AAV for Animal Use

Recent clarification was requested from the IBC regarding the classification of AAV. As a result, the IBC has separated the classification at Purdue into 2 categories – ABSL-1 and ABSL-2 (parameters attached). We have spoken with those faculty who are actively using AAV in the animal facilities to determine their classification. If you have AAV in your protocol (or plan to add it in the future), please reach out to Bob Golden ([rwgolden@purdue.edu](mailto:rwgolden@purdue.edu)), Biosafety Officer, for assistance in classifying the specific AAV you will be using. After Bob approves the classification, the IACUC office will get your Animal Safety Verification Form updated and sent to you.

Having AAV classified as ABSL-1 allows a number of things to change: No N95 required, we no longer need to have the cages flagged for biohazard, we no longer need to autoclave out the cages (lowering the per diem rates on those cages).

Please note: You MUST get your AAV classified PRIOR to starting any new work to ensure we are handling the cages appropriately. Those AAV test particles classified as ABSL-2 will retain the N95 requirement along with the hazard labeling and autoclaving.

Thank you for working with us while we work through this modification from the IBC.

Sylvia Schlegel  
Asst. Director, Centrally-Managed Animal Facilities



## Using Hazardous Substances in Animals

There have been an increasing number of instances reported to the IACUC office where researchers have not marked animal cages when hazards are being used. This email will serve as a reminder that it is extremely important and REQUIRED that animal cages be labeled appropriately when a hazard is being used. This is so animal caretakers and others (e.g., LAP veterinary and IACUC staff, research personnel) can wear appropriate personal protective equipment while in the animal facilities.

Every animal use protocol includes a hazard assessment (section 9.0). Any hazard identified in this assessment should be clearly written on the cage card when they are being used. In addition to the hazard section of the protocol attachment, an Animal Safety Verification Form (ASVF) is written for every approved protocol. This form is sent to each PI and everyone listed on the approved protocol and includes information on the hazards listed on the protocol and the appropriate PPE to be worn. It is the PI's responsibility to make sure each member of their research team reviews the protocol and the ASVF.

Failing to identify hazards, and putting animal care staff at risk, is a serious issue that is of great concern to the IACUC. The IACUC discussed this issue at its meeting on February 16, 2022, and asked that it be communicated to the faculty using animals that if you as an individual researcher have more than one non-compliance in this area, the non-compliance will be brought before the IACUC at its next meeting after the incident occurs for discussion. Researchers who fail to mark animal cages appropriately may lose their ability to conduct animal research on Purdue's campus.

The IACUC urges you to have a serious discussion with your research team and emphasize the importance of this issue. The IACUC appreciates your attention to this. Please contact the IACUC office with any questions ([pacuc@purdue.edu](mailto:pacuc@purdue.edu)).

Lisa Snider

IACUC Administrator

# Spring 2022 Rodent Workshops!

I will be offering the following training workshops with a maximum of 6 participants in each session. (If you have any questions or special requests, please do not hesitate to contact me; 765-494-2521 or [dowellc@purdue.edu](mailto:dowellc@purdue.edu))

These hands-on workshops are designed to introduce the participant to the basic techniques in the laboratory rat and mouse. The Handling/Restraint workshop is a prerequisite for participation in all other workshops; unless participant has had previous training and/or experience in this area. A minimum of 3 days' notice is requested for cancellation.

Workshops are filled on a first-come, first-serve basis! Workshops are free to personnel tied to Purdue protocols, Purdue staff/faculty. You are encouraged to participate in workshops that are **directly related to techniques in your protocol**. *Participants must be familiar with their project/protocol and techniques required of their protocol prior to attending class!*

## REGISTRATION:

- Location for the following workshops – Meet in Lilly Hall room 3-114.

Please visit, <https://www.purdue.edu/research/regulatory-affairs/animal-research/workshops-events.php> and select areas of **training required per your protocol** and register through the "Sign Up" link. (If the following times do not fit your schedule or training needs, I would be happy to set up training for most any species on an individual basis.)

### 1. *Basics of Rodent Handling, Restraint, and Normal Behavior. (Rat & Mouse)*

- 3/22/22 – Tuesday 8:30 – 10:30am
- 4/13/22 – Wednesday 8:30 – 10:30am
- 4/29/22 – Friday 1:00 – 3:00pm
- 5/09/22 – Monday 1:00 – 3:00pm

### 2. *Injections in the rat and mouse; ID, IM, SC, IP*

- 3/28/22 – Monday 1:00 – 3:00pm
- 4/21/22 – Thursday 1:00 – 3:00pm
- 5/10/22 – Tuesday 8:30 – 10:30am

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3. *Blood Collection in the Rat and Mouse*
  - 3/25/22 – Friday 8:30 – 10:30am
  - 4/11/22 – Monday 1:00 – 3:00pm
4. *Tail Vein Injection in the Lab. Rat and Mouse*
  - 3/31/22 – Thursday 1:00 – 3:00pm
  - 4/29/22 – Friday 8:30 – 10:30am
5. *Rodent Oral Gavage.*
  - 4/14/22 – Thursday 1:00 – 3:00pm
6. *Isoflurane Gas Anesthesia*
  - 3/23/22 – Wednesday 8:30 – 10:30am
  - 4/19/22 – Tuesday 1:00 – 3:00pm
7. *Wound closure and Suturing Basics*
  - 4/12/22 – Tuesday 8:30 – 10:30am
8. *Orbital Sinus Injection – (As an alternative to tail vein injection)*
  - 4/13/22 – Wednesday 1:00 – 3:00pm
9. *Aseptic Technique / Surgical Preparation*
  - 4/12/22 – Tuesday 1:00 – 3:00pm
10. *Euthanasia / Basic Necropsy / Organ Identification / Cardiac Blood Collection*
  - 3/22/22 – Tuesday 1:00 – 3:00pm
  - 4/05/22 – Tuesday 8:30 – 10:30am
  - 5/11/22 – Wednesday 8:30 – 10:30am
11. *Working with Surgical Loops and Dissecting Microscopes.*
  - 4/05/22 – Tuesday 1:00 – 3:00pm
12. **Combined Techniques \*** (Prior experience/training in majority of courses is required)  
 This workshop is designed to incorporate all that you have learned regarding rodent handling, injections, blood collection, anesthesia, surgical prep, wound closure and euthanasia. ***You should come prepared to practice specific techniques that you will be using in your research.***
  - 4/20/22 – Wednesday 9:00 – 11:00am

Carol Dowell  
 Training Coordinator  
 dowellc@purdue.edu



**Biosafety Level Required to work with AAV and rAAV:**

To ensure the safety of our research and animal care staff when handling and/or potential exposures to viral vectors the IBC has adopted the following guidelines for working with Adeno-Associated Virus (AAV) and recombinant AAV (rAAV) vectors.

Animal Biosafety Level 1 requirements for the use of AAV and rAAV, only if all three requirements are met:

- Transgene does not express an oncogenic protein or toxin.
- AAV/rAAV is generated without using adenovirus or any other helper virus of human origin.
- AAV/rAAV is propagated in insect cell lines or is purified sufficiently before use. The method and assessment of purification needs to be documented.

Biosafety Level 2/Animal Biosafety Level 2 must be used when working with AAV and rAAV if the following is the case:

- Transgenes express an oncogenic protein or toxin.
- Helper virus of human origin is used to generate AAV/rAAV.
- AAV/rAAV is propagated in human cell lines without further purification before use.

If you have question concerning these AAV/rAAV designations please contact:

Robert Golden  
Biological Safety Officer  
Radiological & Environmental Management  
Purdue University  
West Lafayette, IN 47907  
765-494-1496

Updated May 2021

# 2022 IACUC MEETINGS

Meeting Date	Deadline for Protocol Submission
March 23	February 23
April 20	March 30
May 18	April 27
June 15	May 25
July 20	June 29
August 17	July 27
September 21	August 31
October 19	September 28
November 16	October 26
December 21	November 30



## The Wildlife Center Needs Your Help!

Donate your wild-type rodents today!

**NEW! Rodents that have received isoflurane and recovered are now eligible for donation!**

See Donation Policy for details

<https://www.purdue.edu/research/regulatory-affairs/animal-research/docs/Donation%20of%20Rodents%20for%20Feed%20policy.pdf>



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