



**Institutional Animal Care & Use  
Committee (IACUC) / Laboratory  
Animal Program (LAP) Newsletter**

September 2023  
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**IACUC & LAP ORIENTATION PROGRAM**

**FOR VERTEBRATE ANIMAL USERS**

An orientation program for **new** faculty, staff, and students, who will be using vertebrate animals in research, teaching, and/or testing, will be held on the following date during the fall semester.

**Tuesday, September 12, 2023, 10:00-11:30 a.m., STEW 202**

Attendance at this session is mandatory for new personnel (i.e., faculty, staff, students) who wish to initiate work with vertebrate animals at Purdue University. Personnel will not be approved to work with animals until such time that they have attended the orientation program or completed an equivalent on-line module through the CITI training program. We strongly encourage participating in this in-person orientation; however, it may be completed on-line if your schedule does not allow for in-person participation. Please contact the IACUC office ([pacuc@purdue.edu](mailto:pacuc@purdue.edu)) for information on how to complete the CITI module on-line.

This program presented by staff of the Institutional Animal Care and Use Committee (IACUC) and the Laboratory Animal Program (LAP) is designed to introduce you to the Purdue system for maintaining regulatory compliance with federal and University guidelines and insuring humane care and use of animals.

Registration is required to attend the orientation program and may be done via e-mail to the IACUC office at [pacuc@purdue.edu](mailto:pacuc@purdue.edu). **Your name, department, and e-mail are required for registration.**

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**IACUC / LAP WEBSITE:**

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

# Urgent Notice: Standard Xylazine Concentration No Longer Available



We have recently learned that the standard concentration of xylazine (20 mg/ml x 20 ml vial – Ana-Sed) used by many Purdue University laboratories for sedation/anesthesia is **no longer available**.

This specific formulation was manufactured by a supplier (Akorn Pharmaceuticals) that has recently gone out of business and, as such, the product has been discontinued. Currently, there are no other suppliers manufacturing a similar xylazine injectable product with a 20 mg/ml concentration.

Laboratories needing to order xylazine may purchase supplies from the Laboratory Animal Program Drug Distribution Center, however, **please be aware that the only xylazine formulation currently available for purchase is a 100 mg/ml concentration.**

**If your lab plans to stock this higher concentration, we strongly suggest adding a warning sticker (see example below) to all new vials to ensure that personnel continue to adhere to appropriate dilution and dosage requirements.**

**It is of critical importance to inform all personnel that this alternative source is much more concentrated than the standard source and MUST be appropriately diluted to avoid harming animals.**

You may also consider switching to dexmedetomidine (dexdomitor), also available through the Laboratory Animal Program Drug Distribution Center. This drug is within the same therapeutic class, yet has

a different potency, duration, and dose. As an important reminder, all drugs must be listed in your IACUC approved protocol BEFORE administration to animals.

We are aware that this manufacturer has also issued a voluntary nationwide recall of other veterinary drug products as part of their closure. We are currently evaluating the potential impacts this may have on the Purdue research community and will provide additional guidance and information as soon as it becomes available.

## WHERE TO GET HELP

If you are concerned about how your research may be impacted by this discontinuation:

**Contact the Purdue Laboratory Animal Program Veterinary Staff** – for guidance on selecting alternative medications and proper dilution techniques. Your LAP Veterinarians can also provide veterinary approval for the use of any alternative drugs. If you don't know your veterinarian, send an email to [lapvet@groups.purdue.edu](mailto:lapvet@groups.purdue.edu).

**Contact the Institutional Animal Care & Use Committee (IACUC)**– for assistance with modifying and submitting protocol amendments that may be required for a change in medications and/or dosing procedures ([pacuc@purdue.edu](mailto:pacuc@purdue.edu)).

We apologize for any inconvenience this may cause and are committed to helping you find solutions that will minimize potential impacts to your studies and to the animals entrusted to our care.



Adapted from Health Care Logistics  
([gohcl.com](http://gohcl.com))



*Dr. Megan Ellis, Clinical Veterinarian, Laboratory Animal Program*

Please welcome our newest Clinical Veterinarian with the Laboratory Animal Program, Dr. Megan Ellis, D.V.M., M.S.

1. Where are you from? I just finished my residency/post-doctoral fellowship in lab animal medicine at the University of Washington in Seattle, but I'm originally from northern Indiana.
2. What is your background? I have worked in lab animal or comparative medicine since I was a senior in undergraduate, starting with husbandry care work. I also received my masters in infectious disease. I've done research on Chagas disease, mouse behavior, husbandry standards for non-traditional species, and osteoarthritis.
3. What areas of Purdue will you be covering? I'll start off covering BIND, MJIS, HANS, AHF, VPTH, PCL, LYNN basement, BCHM 2, LILY B206, and FORS.
4. What are your favorite species to work with? That's a hard question! I would have to say rats are always one of my favorite species to work with (and to have as pets!), but my love for mice seems like it's always growing.
5. Do you have any pets? I have a 3-year-old female hedgehog named Pippin and a 2-year-old male tuxedo cat named Domingo.
6. What do you like about Purdue so far? I enjoy the collaborative and thoughtful atmosphere here. I also appreciate the dedication of the faculty to always improving this program and the research performed.



*Ava Crees, Veterinary Assistant*

Please welcome our newest Veterinary Assistant with the Laboratory Animal Program, Ava Crees.

1. Where are you from? I'm from Bloomington, IN. Unfortunately, I'll always be a Hoosier first.
2. What is your background? My background involves working with animals in a variety of capacities. In high school, I worked in a doggy daycare and a small animal clinic as a vet assistant. In college, I worked at a pet store both in the grooming salon and on the floor caring for the store owned animals. Most recently, I worked as a dog walker and positive reinforcement dog trainer here in Lafayette.
3. What areas of Purdue will you be covering? I will mainly be covering LSA.
4. What are your favorite species to work with? My favorite species to work with are dogs, guinea pigs, and most reptiles (specifically tortoises, bearded dragons, and snakes).
5. Do you have any pets? I currently have 2 dogs (Albert and Violet), 2 cats (Tansy and Screech), 1 guinea pig (Shiloh), and 1 snake (Hector).
6. What do you like about Purdue so far? My favorite thing about Purdue so far is the many opportunities to learn from my peers. Everyone has been so patient and willing to share their knowledge with me, and I'm learning more and more each day.

OFFICE OF RESEARCH

# LABORATORY ANIMAL PROGRAM

## SURVEY

Please watch your email in the  
month of September.

LAP will be conducting a survey of the  
Purdue Research Faculty and Staff on the  
services provided by the Laboratory  
Animal Program.

We appreciate all feedback and look  
forward to reviewing the results.



# Attention LSA Anesthesia Machine Users

## This only affects the machines in LSA

### **\*\* New Policy \*\* – starting October 1, 2023**

Starting October 1, 2023, labs will be required to check out an isoflurane parts kit for utilizing anesthesia machines in LSA.

The Laboratory Animal Program has arranged a checkout program of communal anesthesia kits. These boxes can be checked out by contacting the Drug Distribution Center at [DDCLAP@Purdue.edu](mailto:DDCLAP@Purdue.edu) at least 1 business day prior to needing the communal anesthesia kit.

Boxes will be checked for missing pieces upon return and missing or broken items will be charged to the lab. The lab is responsible for washing and drying all pieces after use.

Boxes are available to be checked in and out in LILY 2-110 (LAP Administration) Monday - Friday from 8AM – 4PM. This method does allow for overnight and over weekend use. If the kit is needed more than 24 continuous hours during the week, approval from a member of the LAP staff is required. Make sure you have your lab account number with you when signing out the box.

All users will continue to sign out hoods and anesthesia machines on the calendar for LSA. All users will need to provide their own isoflurane and eye lubricant. The Laboratory Animal Program will continue to provide F-air canisters for all users to ensure they are replaced when they have gained 50 grams.

If you have questions, please contact [DDCLAP@purdue.edu](mailto:DDCLAP@purdue.edu) or [LAPvet@groups.purdue.edu](mailto:LAPvet@groups.purdue.edu)

# Vendor Issued Credit Memos

Over the past year, we have had some issues with our animal vendors and several instances have resulted in the issuance of credit memos to PI's.

It has recently come to our attention that credit memos are not money that is returned to the University Accounts. It sits in the vendor accounts and waits until someone puts on the order: "Please apply credit memo SOXXXX to this order in the amount of \$XXXX." I have amended the Animal Requisition form to reflect and remind PI's to use their credit memos, it is marked in purple. The new updated Animal Requisition Form can be found on the LAP Website at <https://www.purdue.edu/research/oevprp/regulatory-affairs/animal-research/forms.php> . Please use this Animal Requisition form beginning July 5, 2023.

The Animal Ordering department does not keep track of money. When the credit memo arrives, please keep it in a place that will remind your lab to use it on their next order. Animal Ordering will forward the credit memos when they arrive. If you believe you have an outstanding credit memo, please contact the vendor sales representative with the PO # that the credit was issued and they should be able to get you an (sales order) SOXXXXX number to reference and the amount credited.

Envigo and Jackson apply their credit memos at invoicing time, please work with your business office and accounts payable to make sure the memo is used. Animal Ordering will notate the credit memo on the Ariba order and when the packing slip is sent to Procurement for receiving.

Jackson Laboratory – Emma Serdyuk [emma.serdyuk@jax.org](mailto:emma.serdyuk@jax.org) [orderquest@jax.org](mailto:orderquest@jax.org)

Envigo – Juliana Weir [Juliana.Weir@inotivco.com](mailto:Juliana.Weir@inotivco.com) Cody Stone [Cody.Stone@inotivco.com](mailto:Cody.Stone@inotivco.com) [rmscustomercare@inotivco.com](mailto:rmscustomercare@inotivco.com)

Thank you!

**Elisa Strange**

Executive Assistant

Office of Research/Laboratory Animal Program

[Animalordering@purdue.edu](mailto:Animalordering@purdue.edu)

# Fall 2023 Rodent Workshops!

I will be offering the following training workshops with a maximum of 9 participants in handling and injection session. Other techniques will be a maximum of 6 participants. (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 general cancellations. Please follow COVID-19 safety guidelines and cancel your appointment if you are feeling ill, or have had a potential exposure.

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 Lily Hall room 3-114.

Please visit, <https://www.purdue.edu/research/oevprp/regulatory-affairs/animal-research/lap/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)*

- 8/23/23 – Wednesday 8:30 – 10:30am
- 8/25/23 - Friday 8:30 – 10:30am
- 8/31/23 – Thursday 1:00 – 3:00pm
- 9/12/23 – Tuesday 8:30 – 10:30am
- 9/25/23 – Monday 1:00 – 3:00pm
- 10/11/23 – Wednesday 1:00 – 3:00pm
- 10/17/23 – Tuesday 1:00 – 3:00pm
- 11/2/23 – Thursday 8:30 – 10:30pm
- 11/10/23 – Friday 1:00 – 3:00pm
- 11/13/23 – Monday 1:00 – 3:00pm

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

- 8/25/23 – Friday 1:00 – 3:00pm
- 9/12/23 – Tuesday 1:00 – 3:00pm
- 9/27/23 – Wednesday 8:30 – 10:30am
- 10/5/23 – Thursday 8:30 – 10:30am
- 10/16/23 – Monday 1:00 – 3:00pm
- 11/2/23 – Thursday 1:00 – 3:00pm
- 11/10/23 – Friday 8:30 – 10:30am
- 11/15/23 – Wednesday 1:00 – 3:00pm



3. *Blood Collection in the Rat and Mouse*

- 8/29/23 – Tuesday 8:30 – 10:30am
- 9/14/23 – Thursday 8:30 – 10:30am
- 9/27/23 – Wednesday 1:00 – 3:00pm
- 10/13/23 – Friday 8:30 – 10:30am
- 10/30/23 – Monday 8:30 – 10:30am
- 11/14/23 – Tuesday 1:00 – 3:00pm

4. *Tail Vein Injection in the Lab. Rat and Mouse*

- 8/31/23 – Thursday 8:30 – 10:30am
- 9/18/23 – Monday 1:00 – 3:00pm
- 10/11/23 – Wednesday 8:30 – 10:30am
- 11/3/23 – Friday 8:30 – 10:30am
- 11/14/23 – Tuesday 8:30 – 10:30am

5. *Rodent Oral Gavage.*

- 9/13/23 – Wednesday 1:00 – 3:00pm
- 10/3/23 – Tuesday 8:30 – 10:30am
- 11/3/23 – Friday 1:00 – 3:00pm
- 11/16/23 – Thursday 1:00 – 3:00pm

6. *Isoflurane Gas Anesthesia*

- 9/13/23 – Wednesday 8:30 – 10:30am
- 9/29/23 – Friday 1:00 – 3:00pm
- 10/19/23 – Thursday 8:30 – 10:30am
- 11/6/23 – Monday 1:00 – 3:00pm
- 11/13/23 – Monday 8:30 – 10:30am

7. *Wound closure and Suturing Basics*

- 9/19/23 – Tuesday 9:00 – 11:00am
- 10/4/23 – Wednesday 1:00 – 3:00pm
- 10/19/23 – Thursday 1:00 – 3:00pm
- 11/8/23 – Wednesday 9:00 – 11:00am

8. *Orbital Sinus Injection – (As an alternative to tail vein injection)*

- 10/2/23 – Monday 1:00 – 2:30pm
- 11/7/23 – Tuesday 8:30 – 10:00am

9. *Aseptic Technique / Surgical Preparation*

- 9/19/23 – Tuesday 1:00 – 3:00pm
- 10/4/23 – Wednesday 8:30 – 10:30am
- 10/20/23 – Friday 9:00 – 11:00am
- 11/8/23 – Wednesday 1:00 – 3:00pm

10. *Euthanasia / Basic Necropsy / Organ Identification*

- 8/30/23 – Wednesday 8:30 – 10:30am
- 9/14/22 – Thursday 1:00 – 3:00pm
- 9/29/23 – Friday 9:00 – 11:00am
- 10/17/23 – Tuesday 8:30 – 10:30am

- 10/30/23 – Monday 1:00 – 3:00pm
- 11/16/23 – Thursday 8:30 – 10:30am

11. *Mouse Breeding / Colony Management*

- 8/30/23 – Wednesday 1:00 – 3:00pm
- 9/21/23 – Thursday 8:30 – 10:30am
- 10/13/23 – Friday 1:00 – 3:00pm

12. Working with Surgical Loupes and Dissecting Microscopes.

- 11/7/23 – Tuesday 1:00 – 3:00pm

13. Tattoo for rodent identification. (Limited to 6 participants each session)

- 9/15/23 - Friday 9:00 – 11:00am
- 10/5/23 – Thursday 1:00 – 3:00pm
- 10/31/23 – Tuesday 8:30 – 10:30am
- 11/9/23 – Thursday 8:30 – 10:30am

14. 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.***

- 11/17/23 – Friday 9:30 – 11:30am

## INSTITUTIONAL ANIMAL CARE & USE COMMITTEE STAFF

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