2023-2024 IACUC Deadlines and Meeting Dates

Investigators are encouraged to submit protocols that are due for 3-year renewal early to allow time for pre-review of the protocol by the research liaisons and veterinarians. This will help expedite the review and approval of the protocol. Should you have any questions, please contact OARS at iacuc@yale.edu.

Research Liaison Department Assignments

Genotyping Non-Compliance
Metrics of noncompliance data indicate an increased frequency of genotyping-related noncompliance occurrences. To help mitigate this increase, a three-tiered retraining
strategy for repeat noncompliance occurrences was created. After deliberating, the IACUC decided to approve the new mitigation plan that is effective immediately. Information about this plan and additional training material is included below.

1. **First occurrence**: Retraining of the responsible party.
2. **Second occurrence**: Regardless of who is responsible, mandatory retraining of all animal users in the lab, including the PI.
3. **Third occurrence**: Regardless of who is responsible, lab is required to work with YARC Rodent Services on a fee-for-service colony management for a set period as determined by OARS/IACUC.

<table>
<thead>
<tr>
<th>Primary Genotyping Method</th>
<th>Age Limit</th>
<th>Permitted Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood Collection</td>
<td>No limit</td>
<td>Ear Punch, Ear Tag, Microchip, Staining / Tattooing, Toe Clip</td>
</tr>
<tr>
<td>Ear Punch</td>
<td>No limit</td>
<td>Ear Punch, Ear Tag, Microchip, Staining / Tattooing</td>
</tr>
<tr>
<td>Toe Clip</td>
<td>Mice: Up to 12 days, Rats: Up to 7 days</td>
<td>Toe Clip</td>
</tr>
<tr>
<td>Tail Clip</td>
<td>Up to 17 days (5mm), Up to 21 days (2mm)</td>
<td>Ear Tag, Microchip, Staining / Tattooing</td>
</tr>
</tbody>
</table>

**Rodent Surgery, Rodent Breeding, Colony Management, Rodent Identification & Genotyping Policy Review**

This is a reminder that the Office of Animal Research Support will offer **monthly** meetings to review IACUC policies and requirements for rodent surgery and rodent breeding.

**Rodent Surgery**: Recordkeeping and policy requirements will meet again on Wednesday, 9/20/23 at 12pm.

**Rodent Breeding**: Colony management, identification, and genotyping will meet again on Wednesday 9/20/23 at 1pm. The course will review suggestions and IACUC policies on breeding, colony management, identification, and genotyping of rodents.

The above courses may be useful for:
- researchers performing survival or terminal surgery in mice and rats
- researchers setting up or troubleshooting a rodent breeding colony

[CLICK HERE TO VISIT THE TMS WEBSITE](#) to sign up for this training. A Zoom meeting
invitation will be sent to all attendees prior to the meeting. If registering for this course off campus, VPN will be required to access the TMS database. Please contact 
brandondorry@yale.edu for any questions or assistance signing up.

**Euthanasia Cages**

There has been an increase of overcrowded cages left on YARC euthanasia racks without sufficient food and/or water. When placing a cage on a euthanasia rack, please ensure the following:

1. Water bottle/bag is at least 2/3 full.
2. Sufficient food provided for the number of animals in the cage (3-4 pellets per mouse, 6-8 pellets per rat).
3. Greater than 2/3rd of the bedding is dry.
4. Cage density requirements as detailed in rodent housing policies are followed.

A visual aid for these minimum requirements is available at: 
https://your.yale.edu/sites/default/files/lab_housing_pi_binder-mouse_signs.pdf

More information can be found at:

- 4483.2 Housing Policy  https://your.yale.edu/policies-procedures/policies/4483-housing
- 4420 Housing Policy: Mouse  https://your.yale.edu/policies-procedures/policies/4420-housing-policy-mouse
- 4421 Housing Policy: Rat  https://your.yale.edu/policies-procedures/policies/4421-housing-policy-rat

If you have any questions, please contact IACUC@yale.edu.

**Controlled Substances**

OARS/IACUC is aware that extended-release buprenorphine, Ethiqa, is expensive and has a short expiration date. Generally, sharing of controlled substances is not allowed unless it can be demonstrated that labs collaborate with one another. For a bottle of Ethiqa XR to be shared, both PIs must be 1) approved as study staff on both protocols, and 2) listed as a user on the DEA registration in EHS Integrator. Please contact Yale EHS or James.Daddio@yale.edu directly for more information.
Ethiqa Expiration Extended

OARS/IACUC understands that the short expiration date for Ethiqa XR has been one of the reasons why there has been some resistance in some labs to transition from Buprenorphine HCl.* Please see the news release below, directly from Fidelas. The expiration is now set at 90 days!

Click here for important safety information

We have fantastic news that will benefit your practice!

As part of our commitment to continuous improvement and customer satisfaction, we are pleased to announce an important update to how long our product can be used after the vial is punctured. Previously, the usage period for broached vials was 56 days. However, after performing an in-use broach study and extensive testing, we are thrilled to extend this period to an impressive 90 days!

Ethiqa XR® (buprenorphine extended-release injectable suspension) 1.3 mg/mL CIII is the only commercial pharmaceutical-grade extended-release buprenorphine FDA-indexed for the control of post-procedural pain in mice and rats.

Reliable Quality: Rest assured that Ethiqa XR maintains its strict specifications throughout the use of the product up to 90 days after being punctured.

Enhanced Efficiency: With the extended usage period, you can now maximize the utilization of each vial, reducing wastage and optimizing your resources.

Reduced Costs: Longer vial usage means fewer replacements, leading to potential cost savings for your organization.

The 90-day extended use period is applicable to existing inventory within your organization.

Important Safety Information

For Rats and Mice:
**Only administer Ethiqa XR by subcutaneous injection.** Ethiqa XR is not intended for intravenous, intra-arterial, intrathecal, intramuscular, or intra-peritoneal injection. Do not use on mice or rats with pre-existing respiratory deficiencies. Do not keep rats on wood chip-type bedding after administration of Ethiqa XR. Use caution with concomitant administration of Ethiqa XR with drugs that cause respiratory depression.

**For Humans:**
Ethiqa XR should only be administered by a veterinarian or laboratory staff trained in the handling of potent opioids. Protective clothing is recommended to avoid direct contact with human skin or mucus membranes which could result in absorption of buprenorphine and adverse reactions.

*Not for use in humans. Keep out of reach of children.*

*For more information, consult the Prescribing Information including the Boxed Warning.*

*Remember, Buprenorphine HCl to mice and rats must be administered every 4-6 hours, which will include dosing in the middle of the night. Administration of Ethiqa XR is once every 72 hours.*

**MAPS Updates:**
Release 12 went live July 20th. Updates included:

- Inclusion of Field Study protocols in MAPS.
- MAPS application will replace paper protocol submissions.
- Integration into the MAPS application will occur when protocols reach a 3-year renewal date.
- Current protocol numbers will remain unchanged.

**Upcoming Facility Inspections**
The following facilities will be inspected in October 2023: AMISB, BCMM, CMHC,GML, GSF, LCI, LEPH, SEAMCO, WC, YMF, YPI

Please contact Shannon Denison if you need further information. As always, please check
your spaces periodically to ensure the fulfillment of IACUC expectations. The inspection checklist the IACUC utilizes to document findings is available on the OARS website.

**IMPORTANT:** If you have locked cabinets, drawers, or boxes that contain drugs or materials with expiration dates, please make sure that they are unlocked for the IACUC to inspect the contents. If you do not want to leave the container unlocked and unsupervised, then the IACUC’s expectation is that you be readily available to open them. Contact Shannon Denison with your contact information and the related area(s).

**Policy Updates: April-July**

The following statement was added to the policies below: “*All needles used for injections must be sterile. Reuse of needles in an individual or multiple animals is prohibited.*”

- Administration of Experimental Agents
- Analgesia
- Anesthesia
- Diluting and Compounding Drugs Used in Teaching and Research Animals
- Surgery – Rodent, Survival and Non-survival

**Animal Care and Use Training Policy**

- A new custom AALAS Learning Library course called “Rodent Identification and Genotyping” is now required under the Rodent Basic track.
  - Required for new rodent users.
  - Individuals involved in identification and genotyping-related incidents will be required to complete as part of their retraining.

**Housing Policy – Mice**

- Added information about new maximum cage density cards and included an image.
- Updated “Pair Breeding” section to make requirements clearer. A statement was added:
  - “*If female is pregnant, 1st litter should be weaned before 2nd litter is delivered.*”
- Section 6- Removed bullet regarding weights.
- Section 6- Conditions Requiring Separation and/or VCS Notification. A statement was added regarding new max density cage card.
  - “*A cage that exceeds the maximum density cage card guidelines.*”
- Additional minor wording updates.
Surgery – Non-rodent Mammals, Survival and Non-survival

• Section 10 - A *must* statement in reference to IV fluid requirements based on the expected time of the procedure was added:
  o “*For procedures expecting to require greater than 30 minutes of anesthesia time, an IV catheter must be placed, and fluids administered at 5-10ml/kg/hr.*”

• Section 11-A statement to clarify physiologic monitoring intra-op was added.
  o “*If any physiologic (HR, RR or BP) changes occur, determine the cause and/or contact VCS immediately.*”

As always, please contact OARS ([iacuc@yale.edu](mailto:iacuc@yale.edu)) with any questions, suggestions, or concerns.

Stay safe everyone!

~OARS Team