Purdue Animal Care and Use Committee

Purdue University

PACUC Newsletter

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Animal Ordering Guidelines for December

Due to the upcoming holidays,

The Animal Ordering Deadlines for the month of December

Are the following:

For animals that are needed the week of 12/20/10, we will follow the normal schedule.

There will be NO ANIMAL DELIVERIES the week of 12/27/10.

For animals that are needed the week of 1/3/11

Complete orders must be in our office by 5:00 pm

Monday, December 27, 2010. NO EXCEPTIONS!

Thank you for your cooperation!
The following training workshops will be offered with a maximum of 5 participants in each session.

These 1.0 – 2.5 hour 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 Injection, Blood Collection, and Catheter placement workshops; unless participant has previous training and/or experience in this area. A minimum of 3 days notice is requested for cancellation.

Workshop dates are filled on a first-come, first-serve basis.

Location for the following workshops – Meet in AHF 1155.

If you are interested in participating in a workshop, please complete the enrollment form indicating which date you would like to attend, or contact Carol Dowell at dowellc@purdue.edu or 494-2521. (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.)

Registration form: Attached to the email that brought you this newsletter

1. **Basics of Rodent Handling, Restraint, and Normal Behavior.**
   - 1/13/11 - Thursday  9:00 – 11:00am
   - 1/19/11 – Wednesday  9:00 – 11:00am
   - 1/24/11 – Monday  1:30 – 3:00pm
   - 2/4/11 – Friday  9:00 – 11:00am
   - 2/17/11 – Thursday  9:00 – 11:00am

2. **Injections in the rat and mouse; ID, IV, IM, SC, IP**
   - 1/25/11 – Tuesday  8:30 – 1000am
   - 1/28/11 – Friday  1:30 – 3:00pm
   - 2/18/11 – Friday  8:30 – 10:00am
   - 3/7/11 – Monday  9:00 – 10:30am

3. **Blood Collection in the Rat and Mouse**
   - 1/31/11 – Monday  1:30 – 3:30pm
   - 2/15/11 – Tuesday  8:30 – 10:30am
   - 3/2/11 – Wednesday  9:00 – 11:00am

4. **Tail Vein Injection and Catheter Placement in the Lab. Rat and Mouse**
   - 2/9/11 – Wednesday  8:30 – 10:30am
   - 2/21/11 – Monday  1:30 – 3:00pm

5. **Rodent Oral Gavage.**
   - 2/28/11 – Monday  10:00 – 11:30am
   - 3/3/11 – Thursday  9:00 – 10:30am

6. **Isoflurane Gas Anesthesia**
   - 2/8/11 – Tuesday  9:30 – 11:00am
   - 2/16/11 – Wednesday  1:30 – 3:00pm  continued on next page...
7. Rat Intubation

3/1/11 – Tuesday 9:00 – 11:00am
3/23/11 – Wednesday 8:30 – 10:30am

8. Aseptic Technique and Suturing Basics

2/10/11 – Thursday 9:00 – 11:00am
2/24/11 – Thursday 9:00 – 11:00am

9. Euthanasia / Basic Necropsy / Organ Identification

2/3/11 – Thursday 9:00 – 10:30am
3/10/11 – Thursday 9:00 – 10:30am

10. ALZET Osmotic Pump; pump implantation techniques.

2/25/11 – Friday 8:30 – 10:30am

Adding Personnel to an Approved Protocol

It is important as the principle investigator on an animal study that new personnel in your lab be added to your protocol prior to that individual working independently with an animal. When you need to add personnel to an approved animal protocol, please do so using the PACUC Form 1A (http://www.purdue.edu/research/vpr/rschadmin/rschoversight/animals/forms.php). They do not have to be listed on the protocol while undergoing training and while they are being directly supervised by a qualified individual listed on the protocol application, only prior to working independently.

It is also important to remember that qualifications of personnel (both old and new) match the procedures listed on your protocol application. We receive many names on a protocol application that are not qualified to work with the species listed or the procedures to be performed according to their Animal Use Qualification Form that we have on file in our office. Ensuring that their qualification form is updated prior to adding them to the protocol will reduce the amount of time it takes to get them added to the study. You may ask for a copy of their qualification form by contacting the PACUC office at 49-49163 prior to adding them to the protocol.

If you have any questions or concerns regarding this process, please contact the PACUC office at the number above. Thank you.
Every three years, AAALAC (the Association for Assessment and Accreditation of Laboratory Animal Care International) conducts an on-site visit of Purdue. In preparation for this visit, a detailed program description that addresses all aspects of our animal research and teaching programs is prepared and provided to AAALAC. On November 1-4, 2010 Purdue hosted a team of six AAALAC site visitors who spent their four days evaluating the program, the animal facilities, and investigator laboratories.

AAALAC accreditation is voluntary and certifies that Purdue has a quality program that meets all federal laws and guidelines. Accreditation is not only the gold standard but is also important as a number of funding agencies look at AAALAC accreditation as a marker of a quality program.

While a formal letter from AAALAC is not expected until early spring 2011, at the completion of the visit, the AAALAC site visit team conducted an exit briefing, pointing out areas of commendation and areas where improvement is suggested.

Some areas where commendations were provided by AAALAC included:

- The LAP Training Program
- Institutional Support to program
- Farms in general, to include SIPAC & Feldun - Nice programs - Facilities older but well-maintained - Unit manager effort - show of organization, ownership, pride
- Condition of animals in general both on campus and at farms
- Relationships of LAP with units and other veterinarians/clinicians

The site visit team also identified some areas where improvement is needed. At this time, only two items that will require the cooperation of those who use animals in research and teaching, specifically investigative staff, are listed.

1. Animal Exposure Occupational Health Program - Lack of Participation

AAALAC noted an effort needs to be made to increase the percentage of those who complete the on-paper risk assessment step in the program. There is currently only a 30% participation rate. Purdue needs to assure that individuals with animal exposure are aware of the risks associated with their particular exposure as well as steps that can be taken to minimize such risks. PACUC and REM will be developing a process to revisit the on paper risk assessment step with those who have declined participation in the program or have not responded to REM.

2. Need for PACUC to conduct a more thorough evaluation of laboratories and animal procedure areas within animal facilities during semi-annual inspections.

Examples of items that AAALAC felt were being “missed” and that PACUC will focus on in coming lab visits:

- Housekeeping in general
- Appropriate drug storage and expiration date monitoring
- Up to date calibration of anesthesia machine vaporizers and monitoring of gas scavenging canisters
- Up to date monitoring and calibration of biological safety cabinets and fume hoods
- Staff informed of “whistle-blower” policy / how to report animal use concerns
- Staff knowledgeable of protocol
- Documentation of training: Each individual working with animals must have documentation of their training as it relates to the work they are doing with live animals.
- Staff informed of Animal Exposure Occupational Health Program
- Use of personal vehicles for animal transport
- For surgical procedures, how are instruments sterilized, where and how is the animal prepped, and what analgesics do you use for your survival surgeries
- Postoperative or post procedure monitoring records for animals
- Means of euthanasia and secondary method following use of carbon dioxide in rodents
- Is the animal care staff notified when hazardous agents (chemical, biological, radioisotope) used
- What personal Protective Equipment (PPE) is routinely used by staff
- Awareness of respiratory protection options (e.g., appropriate use of N95 respirator)
While there are items to work on, credit and thanks goes to each member of the Purdue University animal care and use community for overall making this a successful site visit. Purdue is a complex institution and the AAALAC site visitors had many commendations for the overall high quality of our animal care and use program. Your willingness to be open with and discuss your individual area with the site visitors is appreciated.

Maintaining AAALAC accreditation would not be possible without the cooperation and effort of every member of the University’s animal care and use community. Thank you again for your participation and attentiveness when using animal models.

THANK YOU!
Bill Ferner, DVM
Director, Laboratory Animal Program

PACUC Meeting Dates

| January 19 | December 29 at 5:00 pm |
| February 16 | January 26 at 5:00 p.m. |
| March 23 | February 23 at 5:00 pm |
| April 20 | March 30 at 5:00 p.m. |
| May 18 | April 27 at 5:00 pm |

Happy Holidays