

Research Resources

"We can judge the heart of a man by his treatment of animals."....Immanuel Kant

Vol. I, No. 4

April 2006

Research Resources will be sent out to Active Project Directors, but I encourage you to share this will all your staff, and, if any want to be included in the mailing, have them send a request to stacy.wells@louisville.edu. If you would like to contribute to the newsletter, you may send your items to the same address.

New ILAR e-Journal Online

ILAR launches its new online publication, *ILAR e-Journal*, with the current article, "Verification of IACUC Approval and the Just-in-time Process." *ILAR e-Journal* will expand upon *ILAR Journal's* mission of providing pertinent information for investigators in biomedical and related research, institutional officials for research, veterinarians, and members of animal care and use committees by publishing additional online only articles on laboratory animal research topics in conjunction with the quarterly printed issues of *ILAR Journal*. [Read more.](#)

IACUC Policy

Transportation of Animals from Animal Facilities to Research Laboratories

1. Animals may be transported outside the animal facility only when necessary to carry out research objectives.
2. Transportation must be planned to minimize transit time.
3. Animals must be transported in internal corridors which are environmentally controlled. If animals must be transported outdoors, they must be protected from environmental extremes. IACUC approval is required for outside animal transport.
4. Animals must be protected from physical trauma during transportation.
5. Primary enclosures used to transport animals must be :
 - a. Sanitizable

- b. Allow the animal to remain clean and dry
- c. Allow adequate ventilation
- d. Provide a secure environment
- e. Be free of sharp edges or projections that could cause injury
- f. Follow *Guide* space recommendations

The cage in which animals are housed in the research facility meets these requirements and it is recommended for use during transport.

6. The primary enclosure used for transportation must be sanitized between uses.
7. All primary enclosures must be covered to aid in the containment of potential allergens and to shield the animal from public view. These covers must be disposable or sanitized after each use. Disposable opaque plastic bags meet these requirements and their use is recommended.
8. Personnel are encouraged to use the freight elevators when transporting small animals (rodents). Freight elevators must be used for the transport of all large animals.
9. Observed variances to this procedure by any person including IACUC members should be reported at once to the IACUC office for action.

Disaster Planning

A new **Disaster Planning & Response Resources** webpage is available from **OLAW** to assist **PHS** awardee institutions with animal care & use programs in planning and responding to natural and other disasters. This site includes: Lessons

Learned from Hurricanes Katrina & Rita, links to relevant *Guide, Agricultural Guide* and *ARENA/OLAW IACUC Guidebook* excerpts, and to other disaster planning and response resources. [Read more.](#)

AALAS Learning Library

The AALAS Learning Library (ALL) provides training that is essential for technicians, veterinarians, managers, IACUC members, and investigators working with animals in a research or education setting. Emphasizing the appropriate handling, care, and use of animals, the courses are designed to help you study for AALAS certification, meet training mandates of regulatory agencies, and improve your knowledge in technical areas.

The ALL offers 113 courses. Many of these courses are aimed at researchers, including courses on mouse bi methodologies, transgenics, mouse breeding, concepts and practices in analgesia and anesthesia, aseptic technique, and pain and distress management.

AALAS' National Meeting

Each fall since 1950, the American Association for Laboratory Animal Science has held its annual National Meeting. During the five days of the meeting, members and nonmembers come together to enjoy the workshops, lectures, poster sessions, and exhibits. The program is designed to have topics relevant to the entire membership.

Exhibitors have an opportunity to interact with AALAS members from the academic community, research institutions, government organizations, and commercial companies.

The AALAS National Meeting is the largest gathering in the world of professionals concerned with the production, care, and use of laboratory animals. The meeting format is continuously evolving, but some standard features are listed on the national meeting website:

http://nationalmeeting.aalas.org/meeting_features.asp

This year's National Meeting will be held October 15-19, 2006, in the Salt Palace Convention Center, Salt Lake City, UT.

The Hilton Salt Lake City Center and Salt Lake City Marriott Downtown are the co-headquarters hotels. The ability to reserve special rate hotel rooms will be available mid-July. The Program Calendar will be posted on the web page in June. The National Meeting Preliminary Program will be mailed mid-July. Check the national meeting website, <http://nationalmeeting.aalas.org> often for more information about housing, registration, and the meeting program.

NHGRI Offers Award-Winning CD on Laboratory Mouse Care

Scientific professionals searching for clear, authoritative training on laboratory mouse care are in luck: **NHGRI** still has several hundred free copies of its award-winning CD-ROM, **Training in Basic Biomethodology for Laboratory Mice** available for distribution. The new CD, which was developed by **NHGRI's Office of Laboratory Animal Medicine (OLAM)** to train researchers working with mice in their experiments, covers topics such as restraint and handling, identification methods, genotyping, injections and blood collection.

See <http://www.genome.gov/18516723> for more information.

AALAS presents 2005 National Meeting Webinars

Select presentations from the 2005 National Meeting are now available online (www.aalas.org). To view these files, you must be a national member and logged onto the site.

The following presentations were recorded as webinars from the educational sessions delivered at the 2005 AALAS National Meeting in St. Louis, MO. These webinars will be available until June 30, 2006, following which some of these materials will be available in the form of online courses on the AALAS Learning Library.

1. Risks Associated with Hazardous Agent Use in Animal Research
 - Risks Associated with Infectious Disease Research—Eisenhauer

- Risks Associated with Recombinant Agents—Feldman
 - Control of Chemical Hazards in Animal Studies—Everitt
 - The Review and Modification of a Containment Program at a Large Academic Institution—Colby
2. Management of Laboratory Animal Allergy
- Prevention of Laboratory Animal Allergy—Stave
 - Innovative Methods for Controlling Exposure to Laboratory Animal Allergens: Computer Models—Reynolds
 - Allergy Exposure Assessment and Control Methods—Harrison
3. Aquatic Animals—Amphibians to Zebrafish
- Water Quality for Aquatic Amphibians—Green
 - Amphibian Regulations, Husbandry and Care Protocols—Sanders
 - Infectious Disease in Laboratory Fish—Harper
 - Zebrafish Protocols—Jenne
 - Morphology of *Xenopus laevis* (Daudin)—Constantinescu
 - Construction of the Biggest Zebrafish Lab in the US—Ulanch
4. Cardiopulmonary Cerebral Resuscitation (CPCR) for Research Animals-Rockar

- [Ketamine–Xylazine–Acepromazine Anesthesia and Postoperative Recovery in Rats](#)
- [Methods for the Prediction of Breeding Success in Male *Cynomolgus* Monkeys \(*Macaca fascicularis*\) Used for Reproductive Toxicology Studies](#)
- [Posterior Paresis and Osteolysis in Guinea Pigs \(*Cavia porcellus*\) Secondary to Freund’s Adjuvant Immunization](#)
- [Spontaneous Cutaneous Squamous Cell Carcinoma in a Sooty Mangabey \(*Cercocebus atys*\): A Case Report](#)
- [Technique for Performance and Evaluation of Parapharyngeal Hypophysectomy in Mice](#)

From Comparative Medicine:

- [Are Repeated Doses of Buprenorphine Detrimental to Postoperative Recovery after Laparotomy in Rats?](#)
- [Cortisol Metabolism in the Bolivian Squirrel Monkey \(*Saimiri boliviensis boliviensis*\)](#)
- [Detection of Systemic Amyloidosis in the Pig-tailed Macaque \(*Macaca nemestrina*\)](#)
- [Feasibility and Limits of an Orthotopic Human Colon Cancer Model in Nude Mice](#)
- [Occurrence of *Helicobacter* Species other than *H. hepaticus* in Laboratory Mice and Rats in Sweden](#)
- [Ovine Intestinal Adenocarcinomas: Histologic and Phenotypic Comparison with Human Colon Cancer](#)
- [Phenotypes of Aquaporin Mutants in Genetically Altered Mice](#)

If you would like to view copies of these articles, please contact the RRF office or one of the husbandry supervisors.

AALAS Journals

The following are the titles of the publications in the AALAS journals.

From JAALAS:

- [Chronic Care and Monitoring of Woodchucks \(*Marmota monax*\) during Repeated Magnetic Resonance Imaging of the Liver](#)
- [Comparison of Carbon Dioxide, Argon, and Nitrogen for Inducing Unconsciousness or Euthanasia of Rats](#)
- [Gender Differences in the Blood Volume of Conscious Sprague-Dawley Rats](#)
- [Hematologic and Serum Biochemical Values in Aged Female Bonnet Macaques \(*Macaca radiata*\) Anesthetized with Ketamine Hydrochloride](#)
- [In Vivo Experimentation with Simian Herpesviruses: Assessment of Biosafety and Molecular Contamination](#)
- [Jejunal Intussusception and Small Bowel Transmural Infarction in a Baboon \(*Papio hamadryas anubis*\)](#)