

Research Resources

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

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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.

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Free Courses on the ALL

The AALAS Learning Library (ALL) offers a multitude of web-based training courses to improve your knowledge and ability in the care and use of laboratory animals. Several of its courses are free for use. I have listed those here. Each course is a series of lessons with an exam at the conclusion. If you would like to try these courses or would like more information about the ALL, please see <http://www.aalaslearninglibrary.org/>.

Free Courses on the ALL

- [ALAT 1: History and Purpose of Laboratory Animal Science and Animal Care Programs](#)
- [ALAT 2: The Research Facility Environment](#)
- [LAT 1: Public and Private Interests in Animal Research](#)
- [LAT 2: Administrative Responsibilities](#)
- [LATG 1: Functions of Management](#)
- [LATG 2: Identifying and Controlling Costs](#)

- [Taking an AALAS Technician Certification Examination](#)
- [Anesthesia and Analgesia](#)
- [Video: Working With the Laboratory Dog](#)
- [CD: Working with the Laboratory Dog \(practice questions\)](#)
- [Working with the IACUC: VA version](#)
- [Working with the IACUC: non-VA version](#)
- [Research Animal Methodologies Introduction to Mice](#)
- [Research Animal Methodologies Introduction to Rats](#)
- [Research Animal Methodologies Introduction to Rabbits](#)
- [Research Animal Methodologies Introduction to Guinea Pigs](#)
- [Research Animal Methodologies Introduction to Hamsters](#)
- [Research Animal Methodologies Introduction to Gerbils](#)
- [Research Animal Methodologies Introduction to Dogs](#)
- [Research Animal Methodologies Introduction to Cats](#)
- [Research Animal Methodologies Introduction to Swine](#)
- [Research Animal Methodologies Introduction to Nonhuman Primates](#)
- [Research Animal Methodologies Introduction to Amphibians](#)
- [Essentials for IACUC Members](#)
- [Nonhuman Primates Courses](#)
- [Mouse Biomethodology Courses](#)
- [Writing Multiple Choice Questions](#)
- [Laboratory Animal Medicine](#)
- [Conflict of Interest](#)
- [Biosecurity](#)

**OLAW Offers Tutorial Covering
PHS Policy on Humane Care
and Use of Laboratory Animals**

OLAW has on its website a tutorial for new animal care and use committee members, institutional administrators, investigators, animal care personnel, veterinarians, or others who are interested in learning about the PHS Policy on Humane Care and Use of Laboratory Animals. The tutorial offers brief descriptions and relevant information about the PHS policy as well as links to sources applicable to the subject. The tutorial can be found at <http://grants.nih.gov/grants/olaw/tutorial/index.htm>.

**NIH Announces EUREKA
Grants for Exceptionally
Innovative Research**

The National Institutes of Health (NIH) has awarded \$42.2 million to fund 38 exceptionally innovative research projects that could have a significant impact on many areas of science. The grants, the first made in a new program called EUREKA (for Exceptional, Unconventional Research Enabling Knowledge Acceleration), are intended to help investigators test novel, often unconventional hypotheses or tackle major methodological or technical challenges. EUREKA researchers will receive direct costs of approximately \$200,000 per year for up to four years, subject to the availability of appropriations. To arrange an interview with a EUREKA program leader, please contact the NIGMS Office of Communications and Public Liaison at 301-496-7301 or info@nigms.nih.gov. For more information, see <http://www.nigms.nih.gov/Research/Mechanisms/EUREKA.htm>

**FBR Names Dr. Hiram C. Polk
Jr. Chairman of its Board of
Governors**

The **Foundation for Biomedical Research (FBR)** today announced its board of governors has unanimously

elected Dr. Hiram C. Polk Jr. as chairman of the board. Dr. Polk succeeds the late Dr. Michael E. DeBakey, who was FBR's chairman for nearly 25 years. Foundation for Biomedical Research, 10/23.

**NIH Announces New
Transformative R01 Funding
Program**

The **National Institutes of Health (NIH)** intends to invest more than \$250 million over the next five years to foster bold and creative investigator-initiated research through a new transformative **R01 (T-R01) Program**. While R01 grants support the bulk of mainstream NIH investigator-initiated efforts, the structure and review of R01 proposals can discourage submission of the most bold, creative, and risky research proposals. In response to these challenges, the NIH has created the T-R01 Program. *National Institutes of Health*, 9/9. Full article can be found at <http://www.nih.gov/news/health/sep2008/od-oga.htm>.

ILAR Committee on 'The Guide'

ILAR Committee on 'The Guide'
A committee appointed to update the *Guide for the Care and Use of Laboratory Animals* (also known as "the Guide") took comments from the public on Friday, September 26, 2008, at the National Academy of Sciences. The committee chair reviewed the process which will lead to an updated version of the Guide being released in early 2010. The committee is actively seeking input on where the Guide may benefit from updating with new references or data that supports current and improved practices. They also are seeking input on where it needs clarification with supporting references and data. More than 20 individuals addressed the members of the committee. Representatives from several animal protection organizations called for increased use of engineering or prescriptive standards, while representatives from the biomedical research community called for the continued use of performance standards. Arguments for the use of performance standards emphasized the difficulty of generating engineering

standards that would appropriately accommodate the many different strains of mice as well as the variety of requirements for different species of nonhuman primates in biomedical research. One participant emphasized the need for the committee to strive for clarity and to include a rationale for any recommendations made. NABR urges its members to submit comments to the ILAR committee and to provide copies of those comments to NABR. Comments can be submitted by clicking on "FEEDBACK" at the following link:

<http://www8.nationalacademies.org/cp/projectview.aspx?key=48959>.

Two more public hearings are scheduled: **October 16 @ 9:00am**, at the Beckman Center Auditorium, University of California, 100 Academy, Irvine, California and **November 14 @ 10:00am**, at the Wiebolt Hall Room #150, Northwestern University, 340 E. Superior Street, Chicago, Illinois. Please note that pre-registration is required to present comments at these meetings. More information on the Washington, DC conference click:

http://dels.nas.edu/ilar_n/ilarhome/conference/program.shtml.

September 2008 JAALAS Articles

The following are the titles of the publications in the September's issue of AALAS's Journal of the American Association for Laboratory Animal Science:

- **Suboptimal Ability of Dirty-bedding Sentinels to Detect *Spironucleus muris* in a Colony of Mice with Genetic Manipulations of the Adaptive Immune System**
- **Operant Task Performance and Corticosterone Concentrations in Rats Housed Directly on Bedding and on Wire**
- **Retrospective Clinical and Molecular Analysis of Conditioned Laboratory Dogs (*Canis familiaris*) with Serologic Reactions to *Ehrlichia canis*, *Borrelia burgdorferi*, and *Rickettsia rickettsii***
- **Maternal Behavior of Laboratory-born, Individually Reared Long-tailed Macaques (*Macaca fascicularis*)**
- **Anesthetic Properties of Propofol in African Clawed Frogs (*Xenopus laevis*)**
- **Detection of *Spironucleus muris* in Unpreserved Mouse Tissue and Fecal Samples by Using a PCR Assay**

- **Optimal Access to the Rat Heart by Transverse Bilateral Thoracotomy with Double Ligature of the Internal Thoracic Arteries**
- **Modification of a Common BAL Technique to Enhance Sample Diagnostic Value**
- **Whole-body Plethysmography in African Green Monkeys (*Chlorocebus aethiops*) with and without Jackets**
- **Diagnosis and Treatment of Pulmonary Arterial Hypertension and Atrial Fibrillation in an Adult Chimpanzee (*Pan troglodytes*)**
- **Acute Respiratory Distress Syndrome in Two Rhesus Macaques (*Macaca mulatta*)**

If you would like to view copies of these papers, please contact the RRF office @ x5268 or one of the husbandry supervisors. Or visit the AALAS website at this site: <http://www.aalas.org/publications>. (You must be an AALAS member.)

October 2008 CompMed Articles

The following are the titles of the publications in the October's issue of AALAS's Comparative Medicine:

- **The Laboratory Rat as an Animal Model for Osteoporosis Research**
- **Plasma Levels of Nitrite and Nitrate in Early and Recent Classes of Fish**
- **Study of a *Bordetella hinzii* Isolate from a Laboratory Mouse**
- ***Helicobacter* Infection Decreases Reproductive Performance of IL10-deficient Mice**
- **Discrimination of Auditory Stimuli during Isoflurane Anesthesia**
- **Differential Susceptibility of SD and CD Rats to a Novel Rat Theilovirus**
- **Pathologic Findings in Rabbit Models of Hereditary Hypertriglyceridemia and Hereditary Postprandial Hypertriglyceridemia**
- **Platelets from Diabetic Pigs Exhibit Hypersensitivity to Thrombin**
- **Daily Rhythms of Serum Lipids in Dogs: Influences of Lighting and Fasting Cycles**
- **A Canine Model of Sustained Atrial Fibrillation Induced by Rapid Atrial Pacing and Phenylephrine**

If you would like to view copies of these papers, please contact the RRF office @ x5268 or one of the husbandry supervisors. Or visit the AALAS website at this site:

<http://www.aalas.org/publications>. (You must be an AALAS member.)

ILAR Class B Dealer Study Committee Announced

The Institute for Laboratory Animal Research (ILAR) has announced a committee to review and report on a project titled "Scientific and Humane Issues in the Use of Random-source Dogs and Cats for Research." The 14 member committee will be chaired by Dr. Stephen W. Barthold of UC Davis and is comprised of research and industry scientists, and representatives from the animal welfare community. The committee will meet October 6-7, 2008 in Washington, DC. If you wish to attend the public session of the meeting on October 7, please contact Christine Henderson at chenderson@nas.edu or (202) 334-2458. The meeting announcement can be found at <http://www8.nationalacademies.org/cp/meetingview.aspx?MeetingId=2953>, and a list of committee members is located at <http://www8.nationalacademies.org/cp/committeeview.aspx?key=48974>.

Training Announcement

The following is a list of Level III - Basic Rodent Biomethodology training sessions scheduled through June 2008. Sessions are located in the Baxter Facilities and the RRC Surgical Suites. Please review and select either a morning (9:30 - 11:30) or afternoon (1:00 - 3:00) session for the designated facility. Proper facility attire is required.

RRC Surgical Suites

November 20th

B2V Room #47 *

November 18th

*Sessions for the Baxter 2 Vivarium are limited to 10 attendees due to space restrictions. Scheduling will be on a first come/first served basis.

These are two hour sessions designed to provide an opportunity to train on routine handling and experimental techniques while using live mice and rats. These small group sessions are instructed by certified

laboratory animal technologists and laboratory animal technicians along with veterinarians, and therefore, provide a maximum opportunity for learning skills.

Topics to be covered are restraint and handling, sexing, identification, physical examination, blood collection, injection, gavage and necropsy techniques. Classes are designed to permit both demonstration and practice. There will be opportunity to target individual learning needs in addition to these basic techniques.

Participation is open to all University of Louisville employees working with animals. Ideally all attendees have completed Level II training and OSHA certification. Please share this opportunity with your research team.

Registration is required. Simply respond to Janice Ditslear, Senior Veterinary Associate, at jldits01@gwise.louisville.edu with date/time selections, names of attendees and department or contact her via phone at one of the following numbers.

Work: (502)852-6905

Cell: (502)500-6684

DEHS Required Training

DEHS has monthly training on Lab Safety/Hazardous Waste (LS/HW). LS/HW is from **9:00-10:30AM** in **Baxter I Auditorium** on the following dates:

November 13, 2008

December 11, 2008

Bring your employee ID number to sign in. Contact erin.foley@louisville.edu to reserve your spot.

Level II Training

The following is the list of dates and times that Level II training will be offered:

2008

Thursday, November 6th at 1:30 PM

Monday, December 1st at 10:00 AM

Training sessions are held in the **Baxter I Auditorium** and last approximately 1.5 hours. Registration is not required, but participants must sign in.