

Research Resources

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

Vol. II, No. 5

May 2007

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.

Two Day Conference in Neurobiology

Come join a distinguished group of leading academic and pharmaceutical researchers interested in the underlying biology and pathology of complex neurological and neuropsychiatric disorders. Sessions include: Nociception, Tools Applicable to Neuroscience Mouse Models, Neuropsychiatric Disorders, Addiction, and Neurodegeneration, Models and Mechanisms. This 2-day conference will be held at The Jackson Laboratory in beautiful Bar Harbor, Maine. Learn more at http://www.jax.org/courses/events/coursedetails.do?id=439&detail=scope&WT.mc_id=201354.

DEHS Required Training

DEHS has monthly training on Lab Safety/Hazardous Waste (LS/HW) and Bloodborne Pathogens (BP). LS/HW is from 9:00-10:00AM and BP is from 10:00-11:00AM. Both sessions are held in **Dental School-Room 105** on the following dates:

June 13, 2007

Thereafter, both sessions are held in **Baxter II-Room 038** on the following dates:

July 11, 2007

August 9, 2007

September 13, 2007

October 11, 2007

November 8, 2007

December 5, 2007

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:

2007

Monday, June 4th at 10:00 AM

Thursday, July 5th at 1:30 PM

Monday, August 6th at 10:00 AM

Thursday, September 6th at 1:30 PM

Monday, October 1st at 10:00 AM

Thursday, November 1st at 1:30 PM

Monday, December 3rd 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.

May 2006 JAALAS

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

- [A New Coat Color Mouse Line for Testing Germline Transmission of Embryonic Stem Cells while Retaining an Inbred Genetic Background](#)
- [Assessment of Buprenorphine, Carprofen, and Their Combination for Postoperative Analgesia in Olive Baboons \(*Papio anubis*\)](#)
- [Comparison of Heating Devices for Maintaining Body Temperature in Anesthetized Laboratory Rabbits \(*Oryctolagus cuniculus*\)](#)
- [Effects of Bedding Substrates on Microsomal Enzymes in Rabbit Liver](#)
- [Effects of Buprenorphine on Intracerebral Collagenase-induced Hematoma in Sprague-Dawley Rats](#)
- [Effects of Ketamine and Thiopentone Anesthesia on Serum Lipid Parameters in Adult Bonnet Monkeys \(*Macaca radiata*\)](#)

- [Establishment of Blood Analyte Intervals for Laboratory Mice and Rats by Use of a Portable Clinical Analyzer](#)
- [Evaluation of a Portable Clinical Analyzer in Cynomolgus Macaques \(*Macaca fascicularis*\)](#)
- [Ovarian Hyperstimulation Syndrome in Gonadotropin-treated Laboratory South African Clawed Frogs \(*Xenopus laevis*\)](#)
- [Porcine Dermatitis and Nephropathy Syndrome Associated with Porcine Circovirus 2 Infection in a Yorkshire Pig](#)
- [Production of Progeny Mice by Intracytoplasmic Sperm Injection of Repeatedly Frozen and Thawed Spermatozoa Experimental Technique](#)
- [Teaching a New Method of Rabbit Intubation](#)
- [Thirteen-lined Ground Squirrels \(*Spermophilus tridecemlineatus*\) Harbor Multiantibiotic-resistant Bacteria](#)
- [Use of a Low-concentration Heparin Solution to Extend the Life of Central Venous Catheters in African Green Monkeys \(*Chlorocebus aethiops*\)](#)

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.)

Stem Cell Bill Passes Senate

On April 11, after 20 hours of debate, the Senate approved the Stem Cell Research Enhancement Act (S. 5) by a vote of 63-34, four votes short of the number required to override a veto. This legislation would allow federal funding for research on stem cells from human embryos that would otherwise be discarded by fertility clinics. A House version of the bill (H.R. 3) was passed January 11 by a vote of 253 to 174, short of a veto-proof majority. Following the passage of the Senate bill, President Bush made a statement confirming his intention to veto. Also passed by a vote of 70-28 was the Hope Act (S. 30), a "compromise" bill introduced by Sen. Norm Coleman (R-MN) and Sen. Johnny Isakson (R-GA), that allows federally funded research on only human embryos that are "naturally dead." There is no companion bill to S. 30 in the House.

New Federal Bill Seeks to Amend the AWA

A bill introduced by [Rep. Steve Israel \(D-2nd-NY\)](#) and [Rep. Mark Kirk \(R-10th-IL\)](#) would amend the Animal Welfare Act (AWA) to increase maximum USDA fines and change how they are calculated. More specifically, it would increase the maximum fine amount from \$2,500 to \$10,000. It would also amend the AWA to change the way USDA currently determines violations by adding, "in the case of a violation with respect to animals, each animal that is the subject of such a violation shall be a separate offense." In addition, the Animal Protection Accountability Improvement Act ([H.R. 2193](#)) would prohibit the use of medical devices on live animals for the purposes of marketing, and also require the USDA to resume submitting an annual report to Congress. The Humane Society of the United States (HSUS) is advocating the bill. For a copy of the bill go to <http://www.nabr.org/pdf/HR2193.pdf>.

Federal Register Notices

On May 9, 2007, a *Federal Register* notice (Vol. 72, No. 89, pp. 26395- 26396) was published announcing the availability of the Independent Peer Review Panel Report: Five In Vitro Test Methods Proposed for Assessing Potential Pyrogenicity of Pharmaceuticals and Other Products, and requesting public comments on the Report. A PDF copy of this FR notice can be found at:

http://iccvam.niehs.nih.gov/SuppDocs/FedDocs/FR/FR_E7_8896.pdf

Information and related documents can be found directly at:

http://iccvam.niehs.nih.gov/methods/pyrogen/pyr_PeerPanel.htm

Comments can be submitted electronically at this page:

http://iccvam.niehs.nih.gov/contact/FR_Pyro_comment.htm

On May 9, 2007, a *Federal Register* notice (Vol. 72, No. 89, pp. 26396) was published announcing a request for data on the use of topical anesthetics and systemic analgesics for in vivo eye irritation testing.

A PDF copy of this FR notice can be found at:

http://iccvam.niehs.nih.gov/SuppDocs/FedDocs/FR/FR_E7_8898.pdf

Information and related documents can be found directly at:
<http://iccvam.niehs.nih.gov/methods/ocutox/pretreat.htm>

Comments can be submitted electronically at this page:
http://iccvam.niehs.nih.gov/contact/FR_OcuData_comment.htm

On May 17, 2007, a *Federal Register* notice (Vol. 72, No. 95, pp. 27815-27817) was published describing proposed **NICEATM** and **ICCVAM** activities to assess the validation status of the **Murine Local Lymph Node Assay (LLNA)** and requesting public comments on the appropriateness and relative priority of these proposed activities; nominations of expert scientists to consider as members of a possible peer review panel; and submission of data for the LLNA and/or modified versions of the LLNA .

A PDF copy of this FR notice can be found at:
http://iccvam.niehs.nih.gov/SuppDocs/FedDocs/FR/FR_E7_9544.pdf

Information and related documents can be found directly at:
<http://iccvam.niehs.nih.gov/methods/immunotox/immunotox.htm>

Comments can be submitted electronically at this page:
http://iccvam.niehs.nih.gov/contact/FR_LLNA_comment.htm

AALAS National Meeting in Charlotte, NC Fall 2007

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 at http://nationalmeeting.aalas.org/meeting_features.asp. Registration is now open!

IACUC Policy: Modification of an Approved Proposal

Submission and Administrative Review

All requests to modify an IACUC-approved *Proposal* must be accompanied by an explanatory cover letter that describes and justifies proposed protocol changes. When appropriate, revised pages/sections that can be used to replace existing pages/sections in the modified *Proposal* should also be submitted. If the modification includes a significant increase in the number of animals used (over 25%), laboratory location, or a change in project pain/distress classification, then a new signature page must also be included.

The changes listed below can be made by IACUC staff without additional action by the committee:

- Proposal title change
- Reduction of animal numbers
- Proposal funding source
- Typographical-type errors (misspellings, printing errors, *etc.*)

Veterinary Pre-Review

Excepting those reviewed as “administrative changes” above, all requests to modify previously-approved *Proposals* receive a pre-review by a RRF veterinarian. Although this review concentrates on animal husbandry and veterinary care issues, the pre-review also ensures *Proposal* accuracy and completeness. Through personal, telephone, or email contact with the project Director, the veterinary staff member performing the initial review will identify issues that may require clarification and suggest additions and/or corrections. Depending on the extent or nature of the suggestions, the Project Director may elect to clarify the *Proposal* through resubmission or may choose to make changes on the originally submitted *Proposal* or modification. Copies of correspondence between the veterinary pre-reviewer and the

Project Director may also be used to document *Proposal* changes.

Reviewer Assignment

The IACUC Chair will serve as the Primary Reviewer for all requests to modify approved *Protocols*. The veterinarian and/or the Chair may ask that additional committee members review the *Protocol* when appropriate. In the Chair's absence, the Vice-Chair or a scientist member of the IACUC may serve as Primary Reviewer and take final action on a *Proposal* modification.

Minor modification: A modification is considered "minor" if the request is limited to adding Project Participants or changing strain/breed of animal. IACUC notification of such requests is accomplished by a notation in the ***IACUC Activity Report*** cover memo/message, which will be accompanied by a copy of the explanatory cover letter provided by the Project Director.

Major modification: All other requests for modification, such as additional animal numbers or species, additional procedures, additional test agents, changes in anesthetic/analgesic agents, *etc.*, are considered "major." IACUC notification of such requests is accomplished within the database Summary Form included in the IACUC Activity Report, which will be accompanied by a copy of the explanatory cover letter provided by the Project Director. Thus the only difference in the review process of "minor" and "major" modification is the inclusion of the request in the database Summary Form.

If during the veterinary pre-review or Chair/Primary review, it is determined that the modification results in a change in the pain/distress classification, the modification will be reviewed similar to new *Proposals*, with one or more Secondary Reviewers:

Class I

Primary Reviewer

Class II

Non-surgical procedures:

Primary Reviewer + 1

Secondary Reviewer

Surgical Procedures:

Non-survival surgery:

Primary Reviewer

Single Survival Surgery

Minor:

Primary Reviewer + 1

Secondary Reviewer

Major:

Primary Reviewer + 2

Secondary Reviewers

Multiple Survival

Surgery: *Primary Reviewer*

+ 2 *Secondary Reviewers*

Class III

Primary Reviewer + 2

Secondary Reviewers

IACUC Activity Report and Requests for Full Committee Review

All requests to modify approved *Proposals* are included in the ***IACUC Activity Report*** (Attachment 1). The report includes the Project Director's cover letter, and is forwarded weekly to all members of the IACUC. Any committee member may request a complete copy of any *Proposal* should additional information be desired. Furthermore, any IACUC member may request Full Committee Review (FCR) of any request to modify an approved *Proposal*. Once requested, final committee action must await FCR.

The entire review process generally requires several weeks, which gives reviewers and other committee members ample opportunity to request FCR. If, however, a Project Director requests accelerated review (*i.e.*, within one week), then the IACUC Office will forward the specific cover letter to all committee members, who are given three working days to request FCR. If a PI requires approval within 3 working days, a special convened meeting of at least a quorum of the committee must be held for *Proposal* modification review.

Review Process and Actions/Recommendations

Similar to the Primary Reviewer in a new *Proposal* review, the Chair is enabled to perform the following: Modification Approval, Modification Contingent Approval, and Request for Full Committee Review. Following Full Committee Review, the possible IACUC actions include Modification Approval, Modification

Contingent Approval, Table the request, or Disapproval of the Modification.

The Project Director is notified of *Proposal* modification approval by letter (***Proposal Modification Approval Letter*** - Attachment 2).

Modification Ratification

A list of all major *Proposal* modifications approved by the Chair but not yet ratified is prepared for Committee action. The list is reviewed at a convened meeting of a quorum and ratification is based on a majority vote.

New Product Spotlight

**First Quarter 2007
Sentinel Results**