

New England Branch of the American Association for Laboratory Animal Science NEWSLETTER

SPRING

2011



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President's Message

I would like to start off by thanking the NEBAALAS members for electing me president for 2011 and Cathy Cervi for all her hard work as the 2010 NEBAALAS president.

I became involved in NEBAALAS about 7 years ago. I was casually invited to a board meeting to "check it out" and see if I wanted to get involved in the future. By the end of that board meeting I was an assistant TBR and part of the education committee!

The thing that has most drawn me to NEBAALAS over the years has been our commitment to providing education, training and networking opportunities to the New England Lab Animal Science community. The education committee has worked very hard over the past few years to improve our ALAT, LAT and LATG training classes as well as to provide wet labs and other training opportunities to local technicians. The 2011 training classes will begin the week of March 28th. It's still not too late to sign up, so please check out the website for more information and registration forms.

One of my main goals over the next year is to continue to improve and increase the educational opportunities available to our membership.

We have our second Technician Training Symposium on June 24 and 25 which will be held at the Colonnade Hotel in Boston. The Symposium will offer a day of lectures and round tables for ALAT, LAT and LATG level technicians. We will also be offering a CMAR prep track. On June 25 there will be multiple wetlabs and hands on training sessions offered at various institutions in the Boston Area. This is a fantastic and inexpensive way to provide training, networking and hands on opportunities to our technicians. Keep an eye out for more information and details on the website!

My other goal for the year is to get our membership more involved with the activities of the branch. NEBAALAS has a very large membership of over 600 people, but the majority of our members do not take part in the activities, training and scholarship opportunities that we offer. Increasing involvement of our members will help to strengthen the branch, allowing us to improve education, training and scholarship opportunities.

NEBAALAS is always looking for volunteers for our committees and trainers for our wet-labs. We need to get the word out about the fantastic scholarship and award opportunities that are available. We need input and ideas for speakers and topics for our monthly meetings.

Please feel free to approach any of the board members with ideas or to volunteer. You are welcome to attend the board meetings, email, call or write letters. Talk to people about NEBAALAS, encourage your co-workers and staff to attend meetings, direct people to our new website. We need our membership to be involved!

Thanks again and I'm looking forward to a great year.

Jennifer S Kilpatrick

NEBAALAS Committee Members

2011 Executive Officers

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Board Members *without Subcommittees*

Peter Morgan

Peter.Morgan@novartis.com

Lisa Martell

lisa.martell@scottsdist.com

If you are interested in joining the NEBAALAS Committee please send us an email or come and join us at our next meeting!

Meetings are held before the monthly presentations at 3pm.

Email: info@nebaalas.org

We are always in search of new members and many of our subcommittees are in need of assistance. If you have a particular subcommittee in mind send an email to either a Chair or Co-Chair member and they can give you the details.

2011 NEBAALAS Meetings

Look for more detailed announcements of upcoming events on our website: www.nebaalas.org

April 28th

Topic: "Emotional Intelligence: Discovering your Natural Genius"

Location: Tufts, Grafton

Varis Lecture Hall, Jumbo's Path

Speaker: Cammie Symonowicz, RLATG, CMAR, Bristol-Myers Squibb

May 26th

Topic: TBD

Location: MIT Building # 46 (Brain & Cognitive Sciences) 3rd Floor Auditorium Main Street, Cambridge (between Vassar & Albany Streets) Red Line Stop: Kendall Square.

Speaker: Szczepan Baran, VMD, MS, President, Veterinary Bioscience Institute

June 24th - 25th

Boston Regional Technician Training

Laboratory Animal Conference

September 22nd

Topic: TBD

Location: Schepens Eye Research Institute Starr Center

Speaker: Paul McKellips, VP, Foundation for Biomedical Research

October 27th


TBA

November 17th

Annual Tech Challenge




AAAS
62nd
 National Meeting
 October 2–6, 2011
 San Diego, California



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My Name is Jaime Moreno; I'm a Supervisor at the BRI (Biology Research Infrastructure) in Cambridge Mass. The BRI that is part of the Harvard University Animal Facilities. I had been working at Harvard University for around 25 years. There had been some good times and some not too good times but I will say that most of them have been good. I was born in El Salvador, I grow up in a small town and I was very much familiarized with animals, mainly farm animals.

In 1986, I got a position at Harvard University as an animal technician. In that time the Harvard's Animal Facility in Cambridge was very small we have only 50 or 60 mice cages 10 Or 15 rat cages and around 120 rabbits. I started working in the animal husbandry and cage washing, together with 2 other animal technicians that train me on the husbandry and cage washing areas of the facility. Little by little the animal facility grew and more technicians come on board, and with that more and more responsibilities and I was promoted to Lead Tech. and then to a supervisory position.

The species that I work with and the Offices of Animal Resources include mice, rats, peromyscus, lizards' finches, axolotls, salamanders and frogs. Together with the OAR Operation Manager my responsibilities are the supervision of around 10 animal Technicians and 2 cages wash technicians.

Most of my responsibilities involves the daily run of the Animal Facilities, that include but not limited to the setting up husbandry schedules and do the daily changes necessary to run the Animal Facility.

Like many of us at the beginning / never thought that I will make a career as an animal technicians but after a while I realize that as part of the research community in our line of work we should be proud that we can put our grain of sand in working to improve human life and the life of the animals themselves even though some of us may feel underappreciated but fill that self-appreciation is the most valuable of all and at the end of a hard working day realizing that we are part of something big that impact the world as a whole if we work on companies that do pharmaceutical research or if we work in educational institutions..

I currently hold a LATG and CMAR certifications, and I encourage all of those that work as animal technicians if they are not AALAS certified to do so.

Jaime H. Moreno

Spring 2011 Prep Courses

ALAT

Wednesdays 3-5pm starting March 30th

Location: MIT

LAT

Wednesdays 3:30-5:30pm starting March 30th

Location: MIT

LATG

Thursdays 4-6pm starting April 13th

If you have any questions or to put your name on the enrollment list, please contact
Liz Horrigan.

Phone: (617) 253-9434 Fax: (617) 252-1882 Email: em_horrigan@yahoo.com

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SPRING 2011 ALAT PREP COURSE

DAY / TIME: **Wednesdays 3:00pm – 5:00pm**

CLASS STARTS: **March 30, 2011**

WHERE: **MIT in Cambridge, MA**
Building/ Room: 2-136

DURATION: **13 Weeks**

INSTRUCTOR: **Angie Heiser**

COST: **\$100 (check payable to NEBAALAS)**

Minimum of 10 people must sign up or instructor has the option of canceling the class.

A certificate will be given to each student at the completion of the course (minimum attendance – 10 classes to receive certificate)

It will be helpful if during this class, you have access to the following references:

- 1). AALAS ALAT Training Manual
- 2). AALAS ALAT Work Book
- 3). Guide for the Care and Use of Lab Animals

If you have any questions or to put your name on the enrollment list, please contact
Liz Horrigan.

Phone: (617) 252-9434 Fax: (617) 252-1882 Email: em_horrigan@yahoo.com

SPRING 2011 LAT PREP COURSE

DAY / TIME: **Wednesdays 3:30pm – 5:30pm**

CLASS STARTS: **March 30, 2011**

WHERE: **MIT in Cambridge, MA**
Building/Room: 16-802

DURATION: **14 Weeks**

INSTRUCTOR: **Multiple Instructors**

COST: **\$100 (check payable to NEBAALAS)**

Minimum of 10 people must sign up or instructor has the option of canceling the class.

A certificate will be given to each student at the completion of the course (minimum attendance – 10 classes to receive certificate)

It will be helpful if during this class, you have access to the following references:

- 1). AALAS LAT Training Manual
- 2). AALAS LAT Work Book
- 3). Guide for the Care and Use of Lab Animals

If you have any questions or to put your name on the enrollment list, please contact
Liz Horrigan.

Phone: (617) 253-9434 Fax: (617) 252-1882 Email: em_horrigan@yahoo.com

Spring 2011 LATG PREP COURSE

DAY / TIME: *Wednesday 4:00 to 6:00 PM*

CLASS STARTS: *April 13, 2011*

WHERE: *MIT in Cambridge, MA*
Building/Room: To be announced

DURATION: *8 Weeks*

INSTRUCTOR: *Kathy Meunier*

COST: *\$100 (payable to NEBAALAS)*

Minimum of 10 people must sign up or instructor has the option of canceling the class.

A certificate will be given to each student at the completion of the course (minimum attendance – 5 classes to receive certificate)

The course will be presented as an interactive review class. Each class will consist of key handouts and a 50+ question quiz. The quiz must be completed by the student prior to class for review and discussed during class.

Required material for class (not included in registration fee)

- 1). AALAS **2007** LATG Training Manual
- 2). AALAS LATG **2007** Work Book *

LATG Manual has been updated so please be sure to have the new version at the first class (not 2002!)

So be prepared to get your brain in gear for taking this challenging exam and having some fun!!

If you have any questions or to put your name on the enrollment list, please contact

Liz Horrigan.

Phone: (617) 253-9434 Fax: (617) 252-1882 Email: em_horrigan@yahoo.com

Please complete the application with payment and mail to:

Jennifer Kilpatrick
77 Massachusetts Ave
16-825
Cambridge, MA 02139

APPLICATION FOR REGISTRATION ALAT/LAT/LATG REVIEW
COURSE

Please print or type!

NAME: _____

INSTITUTION: _____

ADDRESS: _____

CITY/STATE/ZIP CODE _____

PHONE NUMBER: (____) _____

FAX NUMBER: (____) _____

EMAIL ADDRESS: _____

CLASS ATTENDING: () ALAT () LAT () LATG

PAYMENT ENCLOSED:

() Single check – one person

() Single check – multiple people.

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SCHOLARSHIP AWARDS

There are two (2) scholarships allotted annually by NEBAALAS, as follows:

The Dr. William S. Webster NEBAALAS Educational Scholarship Award

NEBAALAS provides funding for at least 2 scholarships each year. Recipients will receive up to \$1,000.00 to assist in their travel, lodging, registration, and food (\$40.00 per diem allotment) and/or exam fees. All moneys awarded will be utilized to attend meetings, seminars and workshops, training programs, etc., as deemed appropriate by the Scholarship Committee. There is no deadline for applying for these scholarships and more than 2 scholarships may be given each year, provided the total of all scholarships doesn't exceed \$2000.00 annually.

The NEBAALAS National AALAS Scholarship Award

NEBAALAS provides funding for 1 scholarship each year. Recipients will receive up to \$2000.00 to assist in their travel, lodging, registration, workshops and food (\$40.00 per diem allotment). All moneys awarded will be utilized to attend National AALAS. Deadline for this scholarship is March 31 for consideration among multiple applications. If there are no applications by March 31, the selection will be based on first-come, first-served for a qualified applicant.

2010 NEBAALAS National AALAS Scholarship Winner

I was fortunate enough to receive a combination of the William S. Webster Scholarship and the NEBAALAS National AALAS Scholarship Award to attend the 61st annual AALAS national meeting in Atlanta, GA. I have been working in lab animal science for just over 4 years and this was my first national meeting.

I made it to Atlanta and made my way to the World Congress Center to see what I was in for. I walked through the doors and was blown away! There were people and signs everywhere, a little overwhelming for me, being my first meeting. I was lucky to have been able to attend the QUAD earlier in the year. I thought this would have prepared me a little for the national meeting, well it didn't. There was an estimated 4,000 people registered for the national meeting as compared to the QUAD which only had approximately 200 attendees.

I found the registration booth and received all of my goodies. I then made my way to the first time attendee orientation. This meeting was very helpful and pointed all of us new comers in the right direction.

- continued

As the week began I was very excited to listen to the talks and meet new people. There were very many interesting talks and there were some I ended up attending that didn't actually pertain to my area of expertise. I participated in the Technician Fun Fair. That involved going around to different vendors and answering questions based on their products and booths.

On Monday I attended the Technician Lunch and Learn. This gave me an opportunity to meet other technicians from around the country. The talks provided valuable information about resume building and rodent enrichment, not to mention the free lunch!

The exhibit hall opened Tuesday morning and it was unlike anything I had ever seen! Like I had mentioned before I attended the QUAD and thought it would prepare me a little for this. The national meeting exhibit hall was the size of a one floor small mall with booths everywhere! What I didn't realize coming into this that it would actually take me an entire day to make it through most of the exhibit hall and answer the fun fair questions.

There were a few talks that really gave me information that I could bring back to my facility and try to put new things into place. There were two talks that really got me very excited. They were both about socially housing rabbits. Socially housing rabbits has not been a realistic option in my facility because of the nature of the studies. Without going into too much detail, one talk explained how they socially housed female rabbits in retro fitted dog kennels. The other talk used a specialized rabbit bank to allow tactile and visual stimulation for male rabbits. After seeing all of this information I would like to come up with a plan to possibly implement our own version of social interaction between rabbits. I am very excited to put my information together and get the brains of my department thinking on how me may be able to put this into action.

Overall my experience at the national meeting was amazing. It was a little of what I expected, but it mostly exceeded my expectations. I believe everyone that is in lab animal science should attend a national meeting at least once. I am looking forward to the chance to attend again in my career. I would like to thank the NEBAALAS scholarship committee for allowing me to have this unique opportunity. I would encourage any technician that is interested in attending next years meeting in San Diego to apply for the scholarship.

Sarah Ambrose

Senior Lab Animal Technician

Division of Teaching and Research Resources

Tufts Cummings School of Veterinary Medicine



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10th Annual Quad Symposium May 19th & 20th, 2011

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For program details and registration forms, visit the Quad website:
www.quad-aalas.org

For Mohegan Sun special rates and room reservations, follow this link:
<https://resweb.passkey.com/go/QUAD11> or call 1-866-708-1340



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Northern Mountain,
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and the Upstate New York
branches of AALAS.*



AALAS District 1 Training Seminar

“Back to Basics: Rats in Research”

May 20th-21st, 2011

Mohegan Sun, Uncasville CT (Lectures, Dinner)
University of Rhode Island, Kingston RI (Wetlab)

Lodging Mohegan Sun Hotel: Please use QUAD rate at: <https://resweb.passkey.com/go/QUAD11>

Schedule of Events:

May 20th: Lectures and Dinner, Mohegan Sun

12pm-1pm Arrival and Registration: Mohegan Sun Conference Center

1pm-5pm Lectures: Mohegan Sun Conference Center

1:15-2:00 Rodent Health and Behavior

2:00- 2:45 Introduction to Basic Rodent Behavior and Strategic Enrichment Practices

2:45-3:15 Break

3:15-4:00 Rodents: Dosing and Blood Collection a Technical Review

4:00-4:45 The Future of Rats in Research

5:30pm-8 pm Social Hour and Dinner: Sunburst Buffet

Casino of the Sky at Mohegan Sun

May 21st: Wetlab 9am-12pm

University of Rhode Island, Kingston RI

Handling, Restraint, Identification: Microchipping, Ear Tag, Ear Notch, Tattoo

Blood Collection: Jugular, Submandibular, Saphenous, Retro-Orbital, Tail Vein

Dosing: Intraperitoneal, Oral Gavage, Subcutaneous, Intravenous, Intramuscular

Euthanasia: Thoracotomy, Cardiac Stick

Please contact: kathleen.lincoln@boehringer-ingenelheim.com for more information



Registration Form

To register online with credit card, please visit <http://mysneaalas.org/events>

Please complete all fields and return form with payment by May 13th, 2011.

Print Full Name

Email Address

Title/Position

Business Phone with Area Code

Organization

City

State/Zip

Associated Branch:

Upstate: **Metro:** **New England:** **Northern Mountain:** **Southern New England**

I will attend lectures, laboratory session and reception dinner at a cost of \$ 65.00

I will attend only the lectures and laboratory session at a cost of \$ 30.00

I will attend only the dinner at a cost of \$ 35.00

I will attend only the wetlab at a cost of \$ 20.00

All fees are due at the time of registration.

To register with credit card online, please visit:

<http://mysneaalas.org/events>

For Checks or Money Order only accepted through mail,

Please **make checks payable to: Southern New England Branch AALAS.**

SNEAALAS TAX ID = 06-1265072

A list of participant names must accompany an institutional check if there is more than one participant. Please send completed registration form to:

Kathleen Lincoln (kathleen.lincoln@boehringer-ingelheim.com)

Boehringer Ingelheim Pharmaceuticals

900 Ridgebury Road/PO Box 368

Ridgefield, CT 06877-0368

If you have questions, please call Kathleen Lincoln at (203) 798-5295

Signature: _____ Date: _____

Thank you for registering for the AALAS District 1 Training Seminar, we look forward to seeing you at the event!

NEBAALAS

Boston Regional Technician Training Laboratory Animal Conference June 24 - 25, 2011

Track 1	ALAT	Huntington I
Track 2	LAT	Kenmore
Track 3	LATg	Braemore
General Session		Huntington II & III
Track 4	CMAR	COLONNADE EAST

2011 NEBAALAS Conference, The Colonnade Hotel, Boston, MA

CONFERENCE AGENDA

7:30 am - 9:00 am	Registration - Continental Breakfast - EXHIBIT AREA				
8:00 am - 8:15 am	WELCOME & INTRODUCTIONS OVERVIEW OF NEBAALAS Regina Correa-Murphy Past President, NEBAALAS Warren Ball, President-elect 2012				
8:15 am - 9:15 am KEYNOTE	EXHIBIT AREA 7:30 AM - 4:00 PM - Foyer I, II & III	<i>Learning & Memory - title needed</i> TBA		CMAR REGISTRATION	
9:15 am - 10:00 am PLENARY		<i>NHP-Behavior work in the Laboratory</i> TBA			
10:00 am - 10:30 am		BREAK - EXHIBIT Area			
10:30 am - 11:15 am		BREAKOUT SESSION I			
		ALAT RODENT HEALTH Kathleen Pritohett-Corning, DVM, DACLAM, MRCVS Director, Research and Professional Services Charles River	LAT RODENT BEHAVIOR Joan Flanagan, PhD BioModels	LATG RECOGNIZING PAIN IN RODENTS Alicia Z. Karas, DVM, MS, BA Assistant Professor Tufts Cummings School of Veterinary Medicine, Department of Clinical Sciences, Anesthesia	CMAR
11:15 am - 12:00 pm	BREAKOUT SESSION II				
		ZEBRA FISH Christian Lawrence Aquatic Resources Program Manager Children's Hospital Boston	DRUG DISCOVERY Dr. Pam Riley Charles River	AAALAC ... Has it been three years?	CMAR
11:15 am - 12:00 pm HUNTINGTON II & III	THE NEW GUIDE ... HOW DO THESE CHANGES AFFECT YOUR JOB? Karen Krueger, DVM Director Children's Hospital Boston				

12:00 PM - 1:30 PM	EXHIBIT AREA 7:30 AM - 4:00 PM - Foyer I, II & III	LUNCH - Dining Room - Dessert in EXHIBIT Area			
1:30 am - 2:15 pm HUNTINGTON II & III		RULES & REGS and Expectations ... Tonja /USDA - Katie		CMAR	
1:30 pm - 2:15 pm		BREAKOUT SESSION III			
		ALAT Behavior & ENRICHMENT Strategies Karena Thek BIOSERV	LAT PRIMATES	LATG QUALITY ASSURANCE STEVE BAKER	CMAR
2:15 pm - 3:00 pm		BREAKOUT SESSION IV			
		TRANSGENICS: WHAT'S BEHIND THE NAME Rick Huntress JACKSON LABS	IMAGING MODELITIES SCOTT MALSTROM	TEAM PLAYER TO TEAM LEADER TBA	CMAR
3:00 PM - 3:30 PM		BREAK - EXHIBIT Area			
3:30 pm - 4:30 pm		ROUNDTABLE DISCUSSIONS - BREAKOUT SESSION V			
		ETHICS & ANIMAL WELFARE Angie Heiber MGH, Department of Comparative Medicine Nirah H Shomer, DVM PhD DACLAM Director, Laboratory Animal Resources Merck Research Laboratories	MANAGING ACROSS CULTURES TBA		CMAR
4:30 PM		TURN IN EVALUATIONS!			
5:00 PM	Networking Social				

NEBAALAS

Boston Regional Technician Training Laboratory Animal WET-LABS Saturday, 25 June 2011 9:00am – 12:00 noon

NEBAALAS Wet-LAB AGENDA

Saturday, June 25, 2011		SEPARATE Registration Form - Limited
TIME & PLACE 9:00 AM - 12:00 PM	TBA	
15 participants maximum	WET-LABS	<p>Histology 101: Opening the Black Box</p> <p>1.0 hour lecture (histology lab overview, equipment review, careers in field) 1.0 hour basic histology intro (basic tissue types & pathology glass slide review) 1.0 hour laboratory tour & hands-on demonstration</p>
5 participants maximum		<p>Basic Mouse Necropsy Laboratory</p> <p>1.0 hour lecture (necropsy procedure overview) 2.0 hour basic hands-on laboratory practical</p>
15 participants maximum		<p>Basic Surgical Suture Laboratory</p> <p>1.0 hour lecture (basic overview of needle & suture types, suture patterns) 2.0 hour basic hands-on laboratory practical</p>
15 participants maximum		<p>Rodent Blood Collection & Compound Administration Laboratory</p> <p>0.5 hour lecture (basic overview of materials & procedures) 2.5 hour hands-on practical (three stations) Rat (Conscious) Jugular Vein Blood Collection Mouse IV Tail Vein Compound Administration Mouse Retro-Orbital, Sublingual, and Submandibular (Facial) Blood Collection</p>
5 participants maximum MUST have basic surgical training technique		<p>Rat Jugular Vein Catheterization Surgery</p> <p>0.5 hour lecture (basic overview of materials & procedure) 2.5 hour hands-on laboratory practical</p>



**MSMR ENRICHMENT
SYMPOSIUM**
ALL CREATURES BIG & small...
*Animal Enrichment in a Laboratory
Environment*

On April 14, 2011, **Massachusetts Society for Medical Research**, Merck & Co., Inc., The New England Branch of AALAS and Massachusetts General Hospital will be sponsoring their third successful FULL DAY Enrichment Symposium at the Colonnade Hotel, 120 Huntington Ave, Boston, MA!

This event will introduce a new enrichment challenge to participants, vendor exhibits, guest speakers and recognized experts in the field of Enrichment and Behavior! We'd like to take this opportunity to highlight our theme this year which will focus on **ALL CREATURES BIG & small ... *Animal Enrichment in a Laboratory Environment*** with short talks on species specific enrichment from zebrafish to non-human primates!

This Symposium is **FREE TO MSMR INSTITUTIONAL MEMBERS!**
\$295.00 NON-MEMBERS

REGISTER ONLINE AT <http://msmr.org/workshops.html>

Call for posters for the Third Annual Enrichment Symposium-All Creatures Big and Small, April 14, 2011, at the Colonnade Hotel in Boston, MA

Share your great enrichment ideas with your colleagues at the Enrichment Symposium! Have you constructed a great enrichment device? Have you got an interesting or unusual enrichment solution for a difficult species or situation? Do you have a lesson learned? Have you found an innovative solution for washing, recycling, or storing enrichment items? Your colleagues want to learn all about it! This year's symposium will present current research and collective wisdom about enrichment in a wide range of species including swine, non-human primates, aquatics, canines, and rodents. We are seeking colorful and informative posters on any aspect of enrichment used in any laboratory animal species. Poster proposals (in pdf or PowerPoint format) are due March 15, 2011. See www.msmr.org/posterinstructions for details on poster requirements.

NEBAALAS AWARDS
THE COLONNADE HOTEL, BOSTON, MA
JANUARY 28, 2011



JOHN F. ZUCKER Animal Technician Award PRESENTED BY
LARRY P VINTINNER, BS, RLATG, BOSTON UNIVERSITY
MEDICAL CAMPUS to
SERGIO ROMAN, RLAT



KATE SWEENEY Laboratory Animal Technologist Award
PRESENTED BY KARRIE SOUTHWELL, BS, CVT, RLATG, TUFTS
UNIVERSITY, DIVISION OF LABORATORY ANIMAL MEDICINE to
ELISABETH GREENE, BS, LATG



JAMES KERSEY Vendor Award PRESENTED BY SHERRY ANN
CASTONGUAY, TUFTS CUMMINGS SCHOOL OF VETERINARY
MEDICINE to
MARK FASCIANO



DR. BERNARD F. TRUM PRESENTED BY WARREN BALL,
PHARMASERV to
LAURA CONOUR, DVM, DACLAM



Golden Turkey Awards: NEBAALAS 17th

- Sarah Leboeuf - RIF's – Reduction In Force
- Jamie Leboeuf - RIF's – Reduction In Force
- Christina Poor - RIF's – Reduction In Force
- Melissa Dragon - RIF's – Reduction In Force
- Jannelle Gursti - RIF's – Reduction In Force



ALN Regulations

Published on ALN (<http://www.alnmag.com>)

Home > Regulation Update - March 2011

Regulation Update - March 2011

By ALN

Created 2011-03-01 23:05

Moshe Shalev, MSc, VMD, DACLAM

Final Version of the New Guide for the Care and Use of Laboratory Animals Now Available

The final version of the 8th edition of the Guide for the Care and Use of Laboratory Animals is now available online from the National Academies Press at www.nap.edu.

A respected resource for decades, the Guide for the Care and Use of Laboratory Animals has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references.

It is organized around major components of animal use:

- **Key concepts of animal care and use.** The Guide sets the framework for the humane care and use of laboratory animals.
- **Animal care and use program.** The Guide discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee.
- **Animal environment, husbandry, and management.** A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more.
- **Veterinary care.** The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia.
- **Physical plant.** The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs.

The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates.

FDA To Update 1978 Good Laboratory Practice Regulation On 21 December 2010, in an effort to update its 1978 Good Laboratory Practice (GLP) regulations, the Food and Drug Administration (FDA) asked the public whether to amend these regulations in order to achieve a GLP quality system for all facilities and laboratories, update, and more completely address the conduct of nonclinical studies under the GLP regulation.¹

We describe this topic in some detail here, because of its intrinsic significance to FDA studies involving animals and those who conduct them, and their potential influence on future regulations by other government and state agencies on the care and use of laboratory animals.

As in other articles in this column, texts below is copied liberally, summarized, or interpreted as faithfully to the original texts they reference as possible. In its announcement, the FDA described its plan to update its GLP regulation as follows:

1. GLP Quality System

Include in the regulations a core set of essential elements for a GLP quality system such as internationally recognized standard, Quality management systems—Requirements ISO 9001, (<http://www.iso.org/iso/home.html>), that will include management responsibility for all activities at the facility and specifying a requirement for standard operating procedures for all essential functions.

2. Multisite Studies

Expand the GLP regulations applicable to the conduct of all aspects/phases of a study in a single facility to describe personnel and study aspects in studies conducted in multiple site, e.g., by requiring that an individual be designated as the responsible person for each site of a multi site study. Such an individual would be responsible for any phase(s) of the study conducted at the site and would report to the study director.

3. Electronic/Computerized Systems

Update the regulation to reflect the use of new electronic and computerized systems, because—while not excluding them from current regulations, they are currently more consistent with paper-based systems (e.g., an individual as archivist Sec. 58.190(c)); maintenance of copies of study protocols and the Master Schedule by the quality assurance unit (Sec. 58.35(b)(1) and (b)(2)).

4. Sponsor Responsibilities

Include additional specific responsibilities of sponsors of nonclinical laboratory studies, such as development and/or approval of study protocols, even when conducted at contracted facilities.

5. Documentation of Compliance with Animal Welfare

Determine whether and how to receive documentation of compliance with provisions of the US Animal Welfare Act (7U.S.C 2131-2159) or comparable international standards governing the ethical and humane use of laboratory animals in nonclinical laboratory studies.

6. Information on Quality Assurance Inspectional Findings

Require quality assurance units to prepare and maintain yearly summaries of general inspection findings that would reveal problems detected and recommendations made to management to resolve them. Avail such reports to FDA upon request during bioresearch monitoring inspections.

7. Process-Based Systems Inspections

Permit a combination of systems inspections and study-specific inspections, instead of study-specific inspections only. The results of the appropriate systems inspection(s) would be referenced in the study-specific inspection reports relevant to those aspects of the procedures for the study under inspection.

8. Test and Control Article Information

Add under the Sec. 58.105 on test and control characterization, and under Sec. 58.113 on mixtures of articles with carriers, information not currently required about time frames for providing basic information on test articles, such as their strength, purity, stability, and for mixtures thereof, their concentration and uniformity.

9. Sample Storage Container Retention

Eliminate the requirement at Sec. 58.105(c) for maintaining test article storage containers for the duration of the study (21CFR58.105(c)), because information required by the existing requirements for handling of tests and control articles—which include documentation of receipt, distribution, and use of each batch (Sec. 58.107(d))—are adequate.

What is the Good Laboratory Practice regulation? (From FDA's 21 December 2010 Advanced Notice of Proposed Rulemaking to FDA's GLP Regulations)

The GLP regulation, finalized in December 1978, prescribes good laboratory practices for conducting nonclinical laboratory studies that support or are intended to support applications for research or marketing permits for products regulated by FDA, including food and color additives, animal food additives, human and animal drugs, medical devices for human use, biological products, and electronic products.

A non clinical laboratory study, as defined in Sec. 58.3(d), is an in vivo or in vitro experiment in which test articles are studied prospectively in test systems under laboratory conditions to determine their safety. The term does not include studies utilizing human subjects or clinical studies or field trials in animals. [It also] does not include basic exploratory studies carried out to determine whether a test article has any potential utility or to determine physical or chemical characteristics of a test article.

Key Animal sections of Current Good Laboratory Practice Regulation (Revised April 1, 2010)²

Sec. 58.43 Animal care facilities

(a) A testing facility shall have a sufficient number of animal rooms or areas, as needed, to assure proper: (1) Separation of species or test systems, (2) isolation of individual projects, (3) quarantine of animals, and (4) routine or specialized housing of animals.

(b) A testing facility shall have a number of animal rooms or areas separate from those described in paragraph (a) of this section to ensure isolation of studies being done with test systems or test and control articles known to be biohazardous, including volatile substances, aerosols, radioactive materials, and infectious agents.

(c) Separate areas shall be provided, as appropriate, for the diagnosis, treatment, and control of laboratory animal diseases. These areas shall provide effective isolation for the housing of animals either known or suspected of being diseased, or of being carriers of disease, from other animals.

(d) When animals are housed, facilities shall exist for the collection and disposal of all animal waste and refuse or for safe sanitary storage of waste before removal from the testing facility. Disposal facilities shall be so provided and operated as to minimize vermin infestation, odors, disease hazards, and environmental contamination.

[43 FR 60013, Dec. 22, 1978, as amended at 52 FR 33780, Sept. 4, 1987]

Sec. 58.45 Animal supply facilities

There shall be storage areas, as needed, for feed, bedding, supplies, and equipment. Storage areas for feed and bed-

ding shall be separated from areas housing the test systems and shall be protected against infestation or contamination. Perishable supplies shall be preserved by appropriate means. [43 FR 60013, Dec. 22, 1978, as amended at 52 FR 33780, Sept. 4, 1987]

Sec. 58.81 Standard operating procedures

(a) A testing facility shall have standard operating procedures in writing setting forth nonclinical laboratory study methods that management is satisfied are adequate to insure the quality and integrity of the data generated in the course of a study. All deviations in a study from standard operating procedures shall be authorized by the study director and shall be documented in the raw data. Significant changes in established standard operating procedures shall be properly authorized in writing by management.

(b) Standard operating procedures shall be established for, but not limited to, the following:

- (1) Animal room preparation.
- (2) Animal care.
- (3) Receipt, identification, storage, handling, mixing, and method of sampling of the test and control articles.
- (4) Test system observations.
- (5) Laboratory tests.
- (6) Handling of animals found moribund or dead during study.
- (7) Necropsy of animals or postmortem examination of animals.
- (8) Collection and identification of specimens.
- (9) Histopathology.
- (10) Data handling, storage, and retrieval.
- (11) Maintenance and calibration of equipment.
- (12) Transfer, proper placement, and identification of animals.

(c) Each laboratory area shall have immediately available laboratory manuals and standard operating procedures relative to the laboratory procedures being performed. Published literature may be used as a supplement to standard operating procedures. (d) A historical file of standard operating procedures, and all revisions thereof, including the dates of such revisions, shall be maintained. [43 FR 60013, Dec. 22, 1978, as amended at 52 FR 33780, Sept. 4, 1987]

Sec. 58.90 Animal care

(a) There shall be standard operating procedures for the housing, feeding, handling, and care of animals.

(b) All newly received animals from outside sources shall be isolated and their health status shall be evaluated in accordance with acceptable veterinary medical practice.

(c) At the initiation of a nonclinical laboratory study, animals shall be free of any disease or condition that might interfere with the purpose or conduct of the study. If, during the course of the study, the animals contract such a disease or condition, the diseased animals shall be isolated, if necessary. These animals may be treated for disease or signs of disease provided that such treatment does not interfere with the study. The diagnosis, authorizations of treatment, description of treatment, and each date of treatment shall be documented and shall be retained.

(d) Warm-blooded animals, excluding suckling rodents, used in laboratory procedures that require manipulations and observations over an extended period of time or in studies that require the animals to be removed from and returned to their home cages for any reason (e.g., cage cleaning, treatment, etc.), shall receive appropriate identification. All information needed to specifically identify each animal within an animal housing unit shall appear on the outside of that unit.

(e) Animals of different species shall be housed in separate rooms when necessary. Animals of the same species, but used in different studies, should not ordinarily be housed in the same room when inadvertent exposure to control or test articles or animal mix up could affect the outcome of either study. If such mixed housing is necessary, adequate differentiation by space and identification shall be made.

(f) Animal cages, racks and accessory equipment shall be cleaned and sanitized at appropriate intervals.

(g) Feed and water used for the animals shall be analyzed periodically to ensure that contaminants known to be capable of interfering with the study and reasonably expected to be present in such feed or water are not present at levels above those specified in the protocol. Documentation of such analyses shall be maintained as raw data.

(h) Bedding used in animal cages or pens shall not interfere with the purpose or conduct of the study and shall be changed as often as necessary to keep the animals dry and clean.

(i) If any pest control materials are used, the use shall be documented. Cleaning and pest control materials that interfere with the study shall not be used.

[43 FR60013, Dec. 22, 1978, as amended at 52 FR33780, Sept. 4, 1987; 54FR15924, Apr. 20, 1989; 56FR32088, July 15, 1991; 67 FR 9585, Mar. 4, 2002]

Good Laboratory Practice for Nonclinical Laboratory Studies. Federal Register Volume 75, Number 244. Proposed Rules. Advance notice of proposed rulemaking. Pages 80011-80013. Docket No. FDA-2010-N-0548. December 21, 2010. Comments to be submitted by February 22, 2011.

<http://www.gpo.gov/fdsys/pkg/FR-2010-12-21/html/2010-31888.htm>.

Document	Posting Date	Changes
SF424 (R&R) Application Guide Adobe Forms Version B Series	Prior to 11-25-2010	Clarification regarding Multiple PD/PI and leadership plan submission; elimination of Error Correction Window (NOT-OD-10-123); addition of Responsible Conduct of Research page limits to Table 2.6-1, Page Limits; clarification to instructions for Research Training Program Plan Component, Plan for the Instruction in the Responsible Conduct of Research; new time limit on resubmissions (NOT-OD-10-140); Just-in-Time submissions (NOT-OD-10-120); clarification to the policy on post submission application materials (NOT-OD-10-115); DUNS Number and CCR Registration requirements (NOT-OD-11-004); and implementation of the Federal Funding Accountability and Transparency Act reporting (NOT-OD-11-005). The instructions for data tables provided as part of a Research Training Program Plan (8.7.13) are simplified, pre- and postdoctoral data is now separated, and the tables are organized according to the type of submission (new, renewal, etc.). Additional edits include modification of the definition of foreign component to be consistent with the revised NIH Grants Policy Statement, clarifications to instructions, and updated hyperlinks and corrected typographical errors
SF424 (R&R) Individual Fellowship Application Guide Adobe Forms Version B Series	After 12-13-2010	Elimination of Error Correction Window (NOT-OD-10-123); new time limit on resubmissions (NOT-OD-10-140); Just-in-Time submissions (NOT-OD-10-120); post submission of application materials (NOT-OD-10-115); DUNS Number and CCR Registration requirements (NOT-OD-11-004); and implementation of the Federal Funding Accountability and Transparency Act reporting (NOT-OD-11-005). Additional edits include modification of the definition of foreign component to be consistent with the revised NIH Grants Policy Statement, clarifications to instructions, and updated hyperlinks and corrected typographical errors.

SF424 (R&R) SBIR/ STTR Application Guide	After 12-5-2010	Clarification regarding Multiple PD/PI and leadership plan submission. Elimination of Error Correction Window (NOT-OD-10-123); removal of reference to Collaboration Opportunities and Research Partnerships (CORP); new time limit on resubmissions (NOT-OD-10-140); post submission of application materials (NOT-OD-10-115);DUNS Number and CCR Registration requirements (NOT-OD-11-004); and implementation of the Federal Funding Accountability and Transparency Act reporting (NOT-OD-11-005). Additional edits include modification of the definition of foreign component to be consistent with the revised NIH Grants Policy Statement, clarifications to instructions, and updated hyperlinks and corrected typographical errors.
Adobe Forms Version B Series		
PHS Grant Application (PHS 398)	Prior to 11-25-2010	Incorporation of policy regarding use of FOAs (NOT-OD-10-134), Just-in-Time submissions (NOT-OD-10-120), new time limit on resubmissions (NOT-OD-10-140), post submission of application materials (NOT-OD-10-115), and implementation of the Federal Funding Accountability and Transparency Act reporting (NOT-OD-11-005). Additional edits include modification of the definition of foreign component to be consistent with the revised NIH Grants Policy Statement, clarifications to instructions, and updated hyperlinks and corrected typographical errors.
PHS Non-Competing Continuation Progress Report (PHS 2590)	Prior to 11-25-2010	Addition of references to instructions for multi-year funded award progress reports and to the 10/1/2010 NIH Grants Policy Statement. Clarification that the DUNS requirement is for first-tier sub recipients. Addition of project role of “bio statistician” to the All Personnel Report. Correction of typographical errors.
NRSA Individual Fel- lowship Progress Re- port for Continuation Support (PHS 416-9)	After 12-13-2010	DUNS Number and CCR Registration requirements (NOT-OD-11-004),and implementation of the Federal Funding Accountability and Transparency Act reporting (NOT-OD-11-005).Updated hyperlinks.

Title 21—Food and Drugs. Chapter I—Food and Drug Administration. Department of Health and Human Services Subchapter A—General. Part 58. Good Laboratory Practice For Nonclinical Laboratory Studies. Code of Federal Regulations Title 21, Volume 1. Revised as of April 1, 2010. <http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcr/cfrsearch.cfm?cfrpart=58&showfr=1>

NIH Updates Application Guidelines and Instructions for Non-Competing Continuation Progress Reports

On 19 November 2010, NIH’s Office of Extramural Research posted NOT-OD-11-022: Updated Application Guides and Non-competing Continuation Progress Report Instructions, in order to “accommodate recent changes in policy, provide instructional clarifications and update hyperlinks or correct typographical errors.” These changes are described in the table below.

Updated Application Guides and Non-competing Continuation Progress Report Instructions Posted. NIH Office of Extramural Research. November 19, 2010. <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-11-022.html>

Israel Bans the Use of Animals in Cosmetics

On 21 December 2010, Israel's Knesset (Parliament) passed in its second and third calls Law Number 18 "To correct Pharmacists Order" that will ban in January 2015 the marketing in Israel of cosmetics in whose manufacturing animals were used or tested. This law is similar to the European Union law enacted several years ago that prohibits selling cosmetics in which animals were tested.

Exemptions to this law include:

1. Cosmetics may be marketed unless an alternative to the use of animals in their manufacturing was not available until 1 January 2014.
2. An approved alternative to animals was used during manufacturing of the cosmetic.
3. The Secretary of Health will establish rules for recognizing approved alternatives that will take into consideration alternatives approved by international organizations, such as the European Union.
4. The Secretary of Health may permit the use of cosmetics in which animals were used, if there is a risk that they will harm their users without testing on animals, in which case:
 - a. A component of widely used cosmetic which is suspected of having harming potential, cannot be replaced with an ingredient with a similar role.
 - b. The expected harm of a cosmetic ingredient and the need to test it on animals are described in detailed protocols for testing the animals.
5. The Secretary of Health will provide the Knesset's Committee of Education, Culture, and Sport, an annual report about permits it has granted to market cosmetics, and the reasons they were granted. The Secretary of Health, with approval of the Labor and Health Committee of the Knesset, may establish rules for this process.

Law Number 18 "To correct Pharmacists Order. December 21, 2010. Knesset Law Number: 18. Book Number: 338: Date passed: 21 December 2010.

http://www.knesset.gov.il/privatelaw/Plaw_display.asp?lawtp=2

http://www.knesset.gov.il/privatelaw/Plaw_display.asp?lawtp=2

Veterinarian Moshe Shalev, MSc (Genetics), VMD, is a Diplomat of the American College of Laboratory Animal Medicine. A recognized expert in medicine, management, and facility designs of small, farm, and exotic laboratory animals, he publishes regularly on animal welfare regulations.

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2011 NEBAALAS MEMBERSHIP APPLICATION

www.nebaalas.org

Membership in the New England Branch of AALAS (NEBAALAS) is open to all persons interested in the care, well-being, management, and use of laboratory animals as models for scientific investigation to benefit humans and animals. *Membership benefits this year include access to our "member only" features on our website, website member directory access, quarterly eNewsletter, event reminders, meeting registration discounts and more.*

*Type of Membership (Check one):

- Individual Member** \$20.00 per year (includes quarterly eNewsletter & access to members only section of our website.)
For academic institutions and research companies.
- Institutional Member** \$100.00 per year -- *For academic institutions and research companies.*
(Includes 6 individual memberships and free classified advertising in the website. Please attach a separate application for each individual you want included within your institutional membership.) If your institution wants to add more than six members, please do so using the individual membership.
- Vendor Membership** \$150.00 per year -- *For allied trade business members and companies.*
(Includes 2 individual memberships, up to two business contacts in each eNewsletter, opportunity to advertise in the eNewsletter and opportunity to sponsor a monthly meeting.) Please attach a separate application for each individual you want included with your vendor membership. *If your company wants to add more than two individuals, please do so using the individual membership.*
- Vendor Sponsor 2011 Meeting:** \$300.00 per meeting—*For allied trade business members and Companies.*
In addition to everything offered in the "Vendor Membership" package above, vendor will be a sponsor for (1) one of the (8) eight NEBAALAS Meetings to be held in the Boston/Metro area in 2011. Sponsorship includes: Company logo highlighted on "NEBAALAS Meeting reminder postcards", placard w/company logo displayed in meeting room, table top to display company literature and handouts, vendor recognition by branch President prior to the start of meeting and vendor recognition at the Mid-Winter Meeting. Beer, wine and food is provided at each meeting.

Please make checks payable to NEBAALAS and mail to:

Marie A. Ortega	Telephone:	(617) 912-7441
Schepens Eye Research Inst.	Fax:	(617) 912-0103
20 Staniford Street	E-mail:	marie.ortega@schepens.harvard.edu
Boston, MA 02114		

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Please check one:

___ MEMBERSHIP RENEWAL ___ NEW MEMBER (Referred by _____, NEBAALAS member)

National AALAS Member? (Please circle one): Yes No

**The contact information you provide us will be used for all mailings and may be published in the NEBAALAS website membership database.*

We do not sell or share our membership list to third parties.

NEBAALAS History

The NEBAALAS was chartered in 1958 under the organization known as the Animal Care Panel. The original forces behind its inception were Dr. Bernard F. Trum, DVM Harvard Med. School, Dr. T. C. Jones, DVM PhD. Angell Memorial Hospital, Dr. Henry Foster DVM Charles River Breeding Labs, Dr. George Yerganian of Children's Hospital, Mr. Isidore Wodinsky of A. D. Little Corp. The annual Technician Training Course was started in 1962 under the direction of Ralph H. Charlwood. In 1965 Dr. Bernard Trum was elected to the presidency of AALAS. In 1975 under the direction of Dr. Henry Foster NEBAALAS hosted the national convention for the first time in Boston. Since its inception, awards and a scholarship fund have been added gradually to the branches goals in promoting the care and well being of laboratory animals. One of the first awards was the Bernard F Trum award. That award is given for leadership and outstanding contributions to the association. The John Zucker award is given to animal technicians that show outstanding performance in their facilities. John Zucker had said "I want these animals to be healthy and happy, just like I want members of my family to be healthy and happy." The animal technologist award is given those that have significantly contributed to the advancement of animal care and husbandry programs, experimental research and management training. The James Kersey award was created for vendors. James Kersey exemplified vendors by always being willing to help out customers and other members of the medical research community.

The branch has given out these awards at dinners that are held, usually around Christmas time at various locations in the Boston area. NEBAALAS also was involved in the Toys for Tots program for a few years.

Dr. Fred Quimby conceived the Annual Spring Symposium in April 1979. Some of the locations of the Spring Symposium have been at the Sonesta Hotel, Howard Johnson's, and the Museum of Science. In the early 1980's it was held at the Sheraton in Boston and had a turnout of over 300 people. In 1999 it was held in Sturbridge, Ma. This event included a BBQ, and a live band. In 2000, the branch decided to centralize this event by bringing the Northeastern branches together in Albany, NY. There was also a contest in developing the NEBAALAS logo. Marygail Even was the winner. The branch still uses that same logo that was designed by Marygail. In 2003 NEBAALAS launched it's website. It will be used to provide information to all members regarding meetings, training classes, job openings and any other news that may pertain to AALAS as a whole. The branch is making an effort to increase membership. If you are currently not a member, please join us now and enjoy the benefits of working together as a group to find ways to improve the quality of life for laboratory animals and for those of us who care for them.

Don't forget to check out the new website!

www.nebaalas.org

All of the original information from our old site plus a new design, more up to date layout, and member interactivity.

The construction is underway for a new member section with a member listing, profile pages, blog spots, and member posts.

Feel free to contact us with any questions:

info@nebaalas.org

