

DVB AALAS Presents the 2010

Laboratory Animal Science and Technology Seminar



March 13, 2010

8:00 am – 3:30 pm

Center for Arts & Technology Pickering

1580 Charlestown Road

Phoenixville, PA 19460

LASTS SCHEDULE

7:30 – 8:00	Registration
8:00 – 9:00	Keynote Speaker
9:00 – 11:00	AM Workshops
11:00 – 12:30	Lunch
12:30 - 3:30	PM Workshops

CONTACTS

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KEYNOTE

Robert W. Coatney, D.V.M., M.S., Ph.D

Director, Comparative Biology and Medicine
GlaxoSmithKline

Animal Imaging in Research: Exploring
Structure and Function in the Whole Animal

The presentation will be an overview of the imaging technologies and techniques that are most commonly used in animal research. It will include examples of determining both the structure and function of various target organ systems and a discussion of the basic principles, advantages and disadvantages of these imaging systems.



ALL DAY WORKSHOPS



Rat Cannulation

9:00-3:30 *Break for Lunch

Class Limit: 20

Presenters: Amy Hehman, Lynne Neveras, Megan Miller , Dennis Hehman
AstraZeneca

This workshop is designed for individuals who wish to learn the basic principles of rodent jugular cannulation. Information presented in the workshop will provide participants with the knowledge and the skills necessary to perform a basic rodent jugular cannulation commonly used to deliver intravenous test substances. Techniques to be discussed include instrument and surgeon preparation, cannula implantation, incision closure and post-operative recovery. This workshop is composed of two phases; a demonstration and then hands-on practice.



Introduction to Surgery

9:00-3:30 *Break for Lunch

Class Limit: 12

Presenters: Dr. Szczepan Baran , Dr. Elizabeth Johnson, and Dr. James Kehler, Veterinary Bioscience Institute and Ms. Karen Richmond-Mato

This workshop is designed for scientists, veterinary technicians, veterinarians and technical support staff who wish to learn the basic principles of rodent macro- and micro-surgery. This workshop is extensive enough for a novice but also provides an excellent review for more experienced personnel. Information presented in the workshop will provide participants with the knowledge required by regulatory agencies and the skills necessary to perform basic rodent surgery. Instrument handling and all techniques from surgeon preparation to osmotic pump implantation to patient abdominal closure will be demonstrated. This workshop is composed of two phases. During the first phase, participants will utilize inanimate models to learn surgical knots, suture patterns and tissue handling. During the second phase, participants will have an opportunity to use their newly acquired skills on anesthetized mice.

AM WORKSHOPS

Guinea Pig Basics

9:00- 11:00

Class Limit: 10

Presenters: Britannia Robinson, Susan Pack, UPenn



This workshop will include a ½ hour lecture on guinea pig physiology and behavior followed by a 1 ½ hour hands-on wet lab. The hands-on portion will cover handling methods, physical restraint, mechanical restraint, chemical restraint, injection techniques (intraperitoneal and subcutaneous), blood collection methods (saphenous vein, cephalic vein, superior vena cava), and endotracheal intubation. All animals will be recovered following workshop.

Mouse Basics

9:00-11:00

Class Limit: 15

Presenters: Susan Seta, Temple University

Leah Schmidt, UPenn



The purpose of this workshop is to teach proper techniques of mouse handling for injections, blood collection, identification by ear punching/notching and ear tagging, nail trimming, and oral gavage. All procedures will be performed without the aid of anesthesia based upon standard veterinary practices. All measures to assure humane care will be taken and observed during this lab.



AM WORKSHOPS

Mini Leadership Academy

9:00- 11:00

Class Limit: 20

Presenters: DVB Board of Director Members

This presentation will provide participants with information to help them in pursuing leadership roles within DVB, their careers and even areas outside of work. Topics will include communication skills, project management as well as others. The program is based on the Leadership Academy which is provided through National AALAS each year.

This will be presented by members of the DVB Board of Directors and will include time for round table discussions on the topics offered as well as other issues.



PM WORKSHOPS

Rabbit Basics

12:30-3:30

Class Limit: 8

Presenter: Britannia Robinson, Susan Pack, UPenn



This workshop will include a ½ hour lecture on rabbit physiology and behavior followed by a 1 ½ hour hands-on wet lab. The hands-on portion will cover handling methods, physical restraint, mechanical restraint, chemical restraint, intravenous blood collection, injection methods (intraperitoneal, subcutaneous, intradermal, intravenous) and endotracheal intubation. All animals will be recovered following workshop.

Anesthesia Equipment

12:30 – 2:00

Class Limit: N/A

Presenters: Ken Rishar, System Specialties



Two types of anesthesia machines will be presented; portable rodent anesthesia machine and portable small animal anesthesia machine. The session will include demonstration, question and answer session along with machine trouble-shooting.

POSTERS

“Looking at the Animal from the Inside Out”

Each year students from local high schools with animal science programs participate in the poster contest. The posters that are present at the seminar were chosen by their teachers as the top 30 submissions. These submissions will be judged by members of DVB, and awards will be given for the top three. Judging is based upon relevance to theme, content, pictures, and overall presentation.

REGISTRATION

Registration is provided through 1,2,3 Signup. This can be accessed through the Tribbranch website, www.tribbranch.org.

Registration will be on a first come, first serve basis. Once class limits are reached, the workshop is closed.

CEUs will be given for each hour a participant completes. Up to 6 credit hours can be obtained. If you leave early you will not receive full credit! This program is RACE approved!

DVB Member (Individual)	\$100.00** Please be sure to update your membership BEFORE registering!
Non-member	\$125.00
Student	\$75.00** Students must show proof of full time enrollment by bringing a photo ID.

DIRECTIONS

Directions to the LASTS venue can be found on the CAT Pickering website ([link](#))

LODGING

Courtyard Marriott – Philadelphia/Valley Forge ([link](#))
600 Campus Drive
Collegeville, Pennsylvania 19426 USA
Phone: 1-484-974-2600

Hampton Inn Valley Forge ([link](#))
100 Cresson Boulevard, Phoenixville, Pennsylvania, USA 19460
Tel: +1 (610) 676-0900

Mainstay Suites ([link](#))
184 East Bridge Street, Phoenixville, PA 19460,
610-933-7998

THANKS

The DVB-LASTS Committee would like to thank all of the following companies as well as the presenters for their help in making the 2010 LASTS possible:



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