



Workshop on Colony Management: Principles and Practices
March 25-30, 2007

Workshop Agenda

For more information, please contact erin.mcdevitt@jax.org

All lectures to be held in the Highseas 3rd Floor Conference room unless stated otherwise.

Sunday, March 25th

PM

4:30 – 7:00 **Registration with Buffet** at *Highseas Conference Center*

Monday, March 26th

8:00 –9:00 **Breakfast and Late Registration**

9:00 –9:15 **Announcements**

9:15 – 10:45 **Back to the Future - From Fancy Mice to Mendel: A Mouse Genetics Primer**
John Macauley, Ph.D., The Jackson Laboratory

10:45 – 11:45 **Mouse Genetics and Strain Nomenclature: What's in a Name**
Jennifer Corrigan, M.S., The Jackson Laboratory

11:45– 1:00 **Lunch**, *Highseas Dining Room*

1:00 – 2:00 **Colony Set-up and Breeding Strategies**
Cathy Lutz, Ph.D., The Jackson Laboratory

2:00 – 3:00 **Genetic Background Effects on Phenotype**
Cathy Lutz, Ph.D., The Jackson Laboratory

3:00 – 3:30 **Break**

- 3:30 – 4:30** **Reproductive Biology of the Laboratory Mouse**
Rob Taft, Ph.D., The Jackson Laboratory
- 4:30 – 5:30** **Using Assisted Reproductive Technologies (ARTs) to Rederive, Rescue, and Rapidly Expand Colonies**
Rob Taft, Ph.D., The Jackson Laboratory
- 6:00** **Dinner, Highseas Dining Room**

Tuesday, March 27th

- 8:00 - 9:00** **Breakfast**
- 9:00 – 10:00** **Cryopreservation: A Cool Approach to Colony Management**
G. Charles Ostermeier, Ph.D., The Jackson Laboratory
- 10:00 - 10:45** **Practical Guidelines for Maintaining Mouse Health**
Peggy Danneman, V.M.D., M.S., ACLAM., The Jackson Laboratory
- 10:45 – 11:15** **Break**
- 11:15 – 12:00** **Practical Guidelines for Maintaining Mouse Health, *continued***
Peggy Danneman, V.M.D., M.S., ACLAM., The Jackson Laboratory
- 12:00 – 1:15** **Lunch, Highseas Dining Room**
- 1:30 – 3:30** **Optional Round-Table Discussion: Recovering from Disease Outbreaks**
Dorcas Corrow, B.S., LATG, The Jackson Laboratory
- 1:30 – 5:30** **Optional Workshops: Biomethods at GRB Training Laboratory**
Joe Gile, B.A., The Jackson Laboratory
**Sign Up Required/See Shuttle Schedule*
- 5:30 – 6:00** **Cocktails**
- 6:00** **Lobster Dinner, Highseas Dining Room**

Wednesday, March 28th

8:00-9:00 **Breakfast**

9:00 – 10:00 **Guidelines for Production Colony Construction and Maintenance**
Dorcas Corrow, B.S., LATG The Jackson Laboratory

10:00 – 11:00 **Nutritional Aspects of Maintaining Animal Health and Phenotype**
Dorrance Haught, Ph.D., Purina Mills, Inc.

11:00 – 11:30 **Break**

11:30 – 12:30 **Genetic Quality Control**
Ray Vonder Haar, Ph.D., The Jackson Laboratory

12:30 – 1:30 **Lunch, Highseas Dining Room**

1:30 – 2:30 **Tracking and Maintaining Colony Management Data: Why You Should Use a Computer Database**
Tom Sproule, B.A., The Jackson Laboratory

2:30 – 5:30 **Introduction to Jax Colony Management System (JCMS) Computer Software**
Tom Sproule, B.A., The Jackson Laboratory

6:00 – 7:00 **Dinner, Highseas Dining Room**

Thursday, March 29th

8:00-9:00 **Breakfast**

9:00 – 10:00 **Publicly Available Electronic Resources for Mouse Geneticists**
Stephen Rockwood, B.S., The Jackson Laboratory

10:00 – 10:15 **Break**

10:15 – 12:00 **Web-Based Resources for Mouse Researchers (hands-on)**
David Shaw, M.S., The Jackson Laboratory,
Stephen Grubb, and staff, The Jackson Laboratory

12:00 – 1:00 **Lunch, Highseas Dining Room**

1:00 – 2:00 **Facility Design**
John Fitzpatrick, BSME, P.E, The Jackson Laboratory

6:00 – 7:00 **Dinner, Highseas Dining Room**