



Workshop on Colony Management: Principles and Practices *April 13-17, 2009*

Workshop Agenda

This is a preliminary agenda and is subject to change.

For more information, please contact nancy.place@jax.org

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

Monday, April 13

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

Tuesday, April 14

8:00 –8:45 **Breakfast and Late Registration**

8:45–9:00 **Announcements**

9:00 – 11:00 **Back to the Future - From Fancy Mice to Mendel: A Mouse Genetics Primer**

John Macauley, Ph.D., The Jackson Laboratory

Genetic Quality Control

John Macauley, Ph.D., The Jackson Laboratory

11:00 – 12:00 **Mouse Genetics and Strain Nomenclature: What's in a Name**

Jennifer Corrigan, M.S., The Jackson Laboratory

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

1:00 – 2:00 **Colony Set-up and Breeding Strategies**

Cathleen Lutz, Ph.D., The Jackson Laboratory

- 2:00 – 3:00 Genetic Background Effects on Phenotype**
Cathleen Lutz, Ph.D., The Jackson Laboratory
- 3:00 – 3:30 Transportation to GRB Training Laboratory (meet in Highseas Lobby)**
- 3:30– 5:30 Optional Hands-On Workshop: Mouse Sperm Cryopreservation**
Jennifer Corrigan, M.S., The Jackson Laboratory
Jane Farley, The Jackson Laboratory
- 6:00 Dinner, Highseas Dining Room**

Wednesday, April 15

- 8:00 - 9:00 Breakfast**
- 9:00 – 10:00 Reproductive Biology of the Laboratory Mouse**
Rob Taft, Ph.D., The Jackson Laboratory
- 10:00 - 11:00 Using Assisted Reproductive Technologies (ARTs) to Rederive, Rescue, and Rapidly Expand Colonies**
Shannon Byers, M.S., The Jackson Laboratory
- 11:00 – 12:00 Cryopreservation: A Cool Approach to Colony Management**
Rob Taft, Ph.D., The Jackson Laboratory
- 12:00 – 1:00 Lunch, Highseas Dining Room**
- 1: 00 – 2:45 Practical Guidelines for Maintaining Mouse Health**
Peggy Danneman, V.M.D., M.S., ACLAM., The Jackson Laboratory
- 2:45– 3:00 Break**
- 3:00 – 4:00 Recovering from Disease Outbreaks**
Peggy Danneman, V.M.D., M.S., ACLAM., The Jackson Laboratory
- 4:00– 5:00 Guidelines for Production Colony Construction and Maintenance**
Dorcas Corrow, B.S., L,A,T,G., Retired from The Jackson Laboratory
- 6:00 Dinner, Highseas Dining Room**

Thursday, April 16

8:00-9:00 Breakfast

9:00 – 10:00 **Nutritional Aspects of Maintaining Animal Health and Phenotype**
Kristi Thompson, Ph.D., Purina Mills, Inc.

10:00 – 11:00 **New Mouse Models and How to Find Them: Electronic Resources for Mouse Geneticists**
Stephen Rockwood, B.S., The Jackson Laboratory

11:00 – 1:00 **Optional Hands-On Workshop: Web-Based Resources for Mouse Researchers**
David Shaw, M.S., The Jackson Laboratory
Susan McClatchy, M.S., The Jackson Laboratory
Paul Szauter, Ph.D., The Jackson Laboratory
Stephen Grubb, M.S., The Jackson Laboratory

1:00 – 2:00 Lunch, *Highseas Dining Room*

2:00 – 3:00 **Tracking and Maintaining Colony Management Data: Why You Should Use a Computer Database**
Charles Donnelly, B.S., The Jackson Laboratory

3:00 – 5:00 **Optional Hands-On Workshop: Introduction to Jax Colony Management System (JCMS) Computer Software**
Charles Donnelly, B.S., The Jackson Laboratory
Faculty, The Jackson Laboratory

6:00 – 7:30 **Lobster Dinner, Highseas Dining Room**

Friday, April 17

8:00-9:00 Breakfast

9:00 – 9:30 **Group 1: Transportation to GRB Training Laboratory (meet in Highseas Lobby)**

9:30 – 11:30 **Optional Hands-On Workshop Group 1: Biomethods (handling, restraint, gender determination, intraperitoneal injection, subcutaneous injection, buccal swab, ear notch, euthanasia, sub-mandibular bleed, ear tag and tail tip)**
Kristin Cough, B.S., The Jackson Laboratory

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

1:00 – 1:30 **Group 2: Transportation to GRB Training Laboratory (meet in Highseas Lobby)**

1:30 – 3:30 *Optional Hands-On Workshop Group 2: Biomethods (handling, restraint, gender determination, intraperitoneal injection, subcutaneous injection, buccal swab, ear notch, euthanasia, sub-mandibular bleed, ear tag and tail tip)*
Kristin Cough, B.S., The Jackson Laboratory

End of program.