



Workshop on Colony Management: Principles and Practices
September 8, 9 & 10, 2008

To be held at Kellogg Conference Center, Northwestern University, Chicago, IL

Workshop Agenda

This is a preliminary schedule and is subject to change.

For more information, please contact Erin McDevitt erin.mcdevitt@jax.org
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Monday, September 8th, 2008

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| 8:00 – 9:30 | Registration |
| 9:45 - 10:00 | Announcements |
| 10:00 – 12:00 | Back to the Future - From Fancy Mice to Mendel: A Mouse Genetics Primer <i>John Macauley, Ph.D., The Jackson Laboratory</i> |
| | Genetic Quality Control <i>John Macauley, Ph.D., The Jackson Laboratory</i> |
| 12:00 – 1:00 | Lunch Break |
| 1:00 – 2:00 | Mouse Genetics and Strain Nomenclature: What's in a Name <i>Cathy Lutz, Ph.D., The Jackson Laboratory</i> |
| 2:00 – 3:00 | Colony Set-up and Breeding Strategies <i>Cathy Lutz, Ph.D., The Jackson Laboratory</i> |
| 3:00-3:15 | Break |
| 3:15 – 4:15 | Genetic Background Effects on Phenotype <i>Cathy Lutz, Ph.D., The Jackson Laboratory</i> |
| 4:15 – 5:15 | Guidelines for Production Colony Construction and Maintenance <i>Cathy Lutz, Ph.D., The Jackson Laboratory</i> |

Tuesday, September 9th, 2008

- 8:30– 9:00** **Cre-LOX Technology in Mouse Models of Disease**
Janice Pendola, Ph.D., The Jackson Laboratory
- 9:00-10:00** **Reproductive Biology of the Laboratory Mouse**
Janice Pendola, Ph.D., The Jackson Laboratory
- 10:00-11:00** **Using Assisted Reproductive Technologies (ARTs) to Rederive, Rescue, and Rapidly Expand Colonies**
Cathy Lutz, Ph.D., The Jackson Laboratory
- 11:00-12:00** **Cryopreservation: A Cool Approach to Colony Management**
Janice Pendola, Ph.D., The Jackson Laboratory
- 12:00 – 1:00** **Lunch Break**
- 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

Wednesday, September 10th, 2008

- 9:00-10:00** **Nutritional Aspects of Maintaining Animal Health and Phenotype**
Kristi Thompson, Ph.D., Purina Mills, Inc
- 10:00-11:00** **Publicly Available Electronic Resources for Mouse Geneticists**
Steve Rockwood, The Jackson Laboratory
- 11:00-12:00** **Introduction to the Jax Colony Management System (JCMS) Computer Software**
The Jackson Laboratory

End of program