

Virtual Workshop on Colony Management | November 9 - 11, 2021

Registered participants will have access to a centralized Canvas course, which will contain links to the live sessions listed below. Live sessions will be recorded, and the recordings will be posted on Canvas within 72 hours of airing. Access to course content and recordings through Canvas will be available for 3 months following the workshop. Registered participants will have access to online content for 3 months following the workshop.

**All times are listed in Eastern Standard Time*

Tuesday, November 9th, 2021

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|-------------------|---|
| 8:00 – 8:15 AM | Welcome
Jennifer Corrigan, M.S., The Jackson Laboratory |
| 8:15 – 9:30 AM | Mouse Genetics and Strain Nomenclature
Kevin Lominac, Ph.D., The Jackson Laboratory |
| 10:00 A – 12:00 P | Colony Set-up and Breeding Strategies
Jason Beckwith, M.S., The Jackson Laboratory |
| 1:00 – 2:00 PM | Genetic Background Effects on Phenotype
Greg Cox, Ph.D., The Jackson Laboratory |
| 2:00 – 3:00 PM | Genetic Quality Control
Steven Ciciotte, M.S., The Jackson Laboratory |
| 3:15 – 5:00 PM | Mouse Genome Informatics and Other Resources
David Shaw, M.S., The Jackson Laboratory |

Wednesday, November 10th, 2021

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| 8:00 – 9:30 AM | Practical Guidelines for Maintaining Mouse Health
Amine Alioua, Ph.D., The Jackson Laboratory |
| 10:00 – 11:00 AM | Maintaining Severely Immune Compromised Mice
Amine Alioua, Ph.D., The Jackson Laboratory |
| 11:00 A – 12:00 P | Eliminating Infectious Contaminants
Amine Alioua, Ph.D., The Jackson Laboratory |



- 1:00 – 1:45 PM **Cryopreservation: A Cool Approach to Colony Management**
Rob Taft, Ph.D., The Jackson Laboratory
- 1:45 – 2:30 PM **Using Assisted Reproductive Technologies (ARTs) to Rederive, Rescue, and Rapidly Expand Colonies**
Rob Taft, Ph.D., The Jackson Laboratory
- 3:00 – 4:00 PM **The Microbiome**
Karen Svenson, Ph.D., The Jackson Laboratory
- 4:00 – 5:00 PM **Nutritional Aspects of Maintaining Animal Health and Phenotype**
Melanie Hoar, Ph.D., PMI Nutrition International

Thursday, November 11th, 2021

- 8:00 – 9:00 AM **Technologies & Repositories: PDX, CRISPR-Cas, KOMP, T1D, & JAX Mice**
Peter Kelmenson, BA, The Jackson Laboratory
- 9:00 – 10:00 AM **Tools for Analyzing Colony Data**
Vivek Philip, Ph.D., The Jackson Laboratory
- 10:30 – 11:30 AM **Behavioral Phenotyping Using Computer Vision Systems**
Vivek Kumar, The Jackson Laboratory
- 12:30 – 1:30 PM **Breeding Efficiency Using Electronic Tracking**
Carrie LeDuc, B.S., TransnetYX
- 1:45 – 2:45 PM **Using Database Systems for Colony and Data Management**
Charles Donnelly, B.S., and Julie Morrison, B.S., RockStep Solutions Inc.