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**

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**

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.