Virtual Workshop on Colony Management | October 4 - 6, 2022

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, October 4th, 2022**

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, October 5th, 2022**

8:00 – 8:45 AM  Practical Guidelines for Maintaining Mouse Health  Amine Alioua, Ph.D., The Jackson Laboratory

9:00 – 9:30 AM  Maintaining Severely Immune Compromised Mice  Amine Alioua, Ph.D., The Jackson Laboratory

9:30 – 10:15 AM  Eliminating Infectious Contaminants  Amine Alioua, Ph.D., The Jackson Laboratory
10:30 – 11:15 AM  **Cryopreservation: A Cool Approach to Colony Management**  
Rob Taft, Ph.D., The Jackson Laboratory

11:15 A – 12:00 P  **Using Assisted Reproductive Technologies (ARTs) to Rederive, Rescue, and Rapidly Expand Colonies**  
Rob Taft, Ph.D., The Jackson Laboratory

1:00 – 2:00 PM  **The Microbiome**  
Karen Svenson, Ph.D., The Jackson Laboratory

2:00 – 3:00 PM  **Nutritional Aspects of Maintaining Animal Health and Phenotype**  
Melanie Hoar, Ph.D., PMI Nutrition International

**Thursday, October 6th, 2022**

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  **Using Database Systems for Colony and Data Management**  
Charles Donnelly, B.S., and Julie Morrison, B.S., RockStep Solutions Inc.

1:45 – 2:45 PM  **Breeding Efficiency Using Electronic Tracking**  
Carrie LeDuc, B.S., TransnetYX