Workshop on Colony Management
November 10-12, 2020

Schedule is subject to change.

Registered Attendees will receive access to our Canvas LMS approximately two weeks in advance of the course. Pre-recorded content will be available upon initial login to Canvas. Live sessions, including Q&A sessions, will be recorded and made available on-demand within 48 hours. Participants will have the opportunity to submit questions via Canvas in advance of each Q&A session. Participants will have access to all course materials until December 12th, 2020. The times of all live sessions are shown in Eastern Standard Time.

Tuesday, November 10

Welcome, Introductions & Canvas
Jennifer Corrigan, M.S., The Jackson Laboratory

Mouse Genetics and Strain Nomenclature
Alicia Valenzuela, M.S., The Jackson Laboratory

Colony Set-up, Breeding Strategies and Q&A
Jason Beckwith, M.S., The Jackson Laboratory

Genetic Background Effects on Phenotype
Greg Cox, Ph.D., The Jackson Laboratory

Genetic Quality Control
Jenny Morgenweck, Ph.D., The Jackson Laboratory

Mouse Genome Informatics and Other Resources (Lecture & Problem Set)
David Shaw, M.S., The Jackson Laboratory

LIVE SESSION (Eastern Standard Time)
11:00 am EST  Live Q&A Session with Faculty: Alicia Valenzuela, Jason Beckwith, Greg Cox, Jenny Morgenweck and David Shaw
            Moderated by Jennifer Corrigan, M.S., The Jackson Laboratory
**Wednesday, November 11**

**Practical Guidelines for Maintaining Mouse Health**  
Bonnie Lyons, D.V.M., The Jackson Laboratory

**Maintaining Severely Immune Compromised Mice**  
Bonnie Lyons, D.V.M., The Jackson Laboratory

**Eliminating Infectious Contaminants**  
Bonnie Lyons, D.V.M., The Jackson Laboratory

**Cryopreservation: A Cool Approach to Colony Management**  
Rob Taft, Ph.D., The Jackson Laboratory

**Using Assisted Reproductive Technologies (ARTs) to Rederive, Rescue, and Rapidly Expand Colonies**  
Rob Taft, Ph.D., The Jackson Laboratory

**The Microbiome**  
James Fahey, Ph.D., DVM, DACVM, The Jackson Laboratory

**Nutritional Aspects of Maintaining Animal Health and Phenotype**  
Jessie Chouinard, Ph.D., Land O' Lakes Purina

**LIVE SESSION (Eastern Standard Time)**  
11:00 am EST  **Live Q&A Session with Faculty:** Bonnie Lyons, Rob Taft, James Fahey and Jessie Chouinard  
Moderated by Jennifer Corrigan, M.S., The Jackson Laboratory

**Thursday, November 12**

**Technologies & Repositories: PDX, CRISPR-Cas, KOMP, T1D, & JAX Mice**  
Peter Kelmenson, BA, The Jackson Laboratory

**Tools for Analyzing Colony Data**  
Vivek Philip, Ph.D., The Jackson Laboratory

**Behavioral Phenotyping Using Computer Vision Systems**  
Vivek Kumar, Ph.D., The Jackson Laboratory

**Effects of Housing Density on the Physiological Well-being of Research Mice**  
Karen Svenson, Ph.D., Senior Scientific Program Manager, The Jackson Laboratory

**Animal Care and Use Committees**  
Kristin Blanchette, M.S., The Jackson Laboratory

**Breeding Efficiency Using Electronic Tracking**  
Carrie LeDuc, B.S., Transnetyx and Abigail Ames, B.A., The Jackson Laboratory

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

**LIVE SESSION (Eastern Standard Time)**  
11:00 am EST  **Live Q&A Session with Faculty:** Peter Kelmenson, Vivek Philip, Vivek Kumar, Karen Svenson, Brenda Kick, Carrie LeDuc, Abigail Ames, Charles Donnelly and Julie Morrison  
Moderated by Jennifer Corrigan, M.S., The Jackson Laboratory