



Workshop on Colony Management

Below is the 2020 schedule of events.

The 2021 schedule is still under construction and will be available soon.

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