19th Annual Workshop on the Pathology of Mouse Models for Human Disease

Virtual Event
September 27-October 1, 2021

Schedule of Activities

Monday, September 27th

Live Sessions

10:00 am – 11:00 am  Pathology Informatics: Excavating your Data
Paul Schofield, University of Cambridge & The Jackson Laboratory (Adjunct Professor)

11:00 am – 12:00 pm  New and Emerging Genetic Engineering Technologies
Bill Buaas, The Jackson Laboratory

Recommended On-Demand Content

Mouse Genetic Nomenclature: The Underpinning of Mouse Genetics
John P. Sundberg, The Jackson Laboratory

Mouse Genome Informatics (MGI) and Mouse Tumor Biology Databases
Dale Begley, The Jackson Laboratory

Access to Genetically Engineered Mouse Resources – What You Need to Know and What you Need to Know About NIH – a Short Overview and Guide for Trainees
Franziska Grieder, NIH

In vivo Phenotyping of the Laboratory Mouse: The Jackson Laboratory’s Center for Biometric Analysis
Jacqui White, The Jackson Laboratory

Pathology of the Mouse: Start with the Basics
John P. Sundberg, The Jackson Laboratory

Tissue Scoring in Investigational Studies
David Meyerholz, University of Iowa

Schedule is subject to change
Tuesday, September 28th

**Live Sessions**

11:00am – 12:00 pm  Neuropathology  
Jerrold M. Ward, Global VetPathology

12:00 pm – 1:00 pm  Lunch Break

1:00 pm – 3:00 pm  Live Workshop and Discussion Reviewing Attendee Case Submissions and Research Summaries; Questions to Attending Speakers
  - Immunohistochemistry – Tips & Tricks
  - Cases to be presented – GI Tract, Lymphomas

3:00 pm – 4:00 pm  Connecting Pathology to Stem Cell Research, Single Cell RNA and 3D Imaging  
Alexander Yu. Nikitin, Cornell University

4:00 pm – 5:00 pm  Modeling Ovarian and Endometrial Cancer  
Alexander Yu. Nikitin, Cornell University

**Recommended On-Demand Content**

Pathology of the Female Reproductive Systems  
Darlene Dixon, NIEHS

Mouse Models of Human Reproductive Tract Disorders  
Darlene Dixon, NIEHS

Schedule is subject to change
Wednesday, September 29th

Live Sessions

1:00 pm - 2:00 pm  Pathology of the Liver and Mouse Models of Liver Disease
Jerrold M. Ward, Global VetPathology

Recommended On-Demand Content

The Mouse Lung for Translational Studies
David Meyerholz, University of Iowa

Utilizing Mouse Models of SARS CoV2
David Meyerholz, University of Iowa

Why We Need More Than Once Mouse Model for Covid-19 and How We Will Achieve It
Xavier Montagutelli, Institut Pasteur

Lymphoid Tissues: Development and Aging Changes
Harm HogenEsch, Purdue University

Recognition of Aberrant Immune Cell Proliferations in Immunocompromised Mice Receiving Human Cells
Laura Janke, St. Jude Children’s Research Hospital

Innate Lymphoid Cells: Their Role in Inflammatory Diseases
Harm HogenEsch, Purdue University

Biorepository for Mouse Models for SARS CoV2 Research
Cat Lutz, The Jackson Laboratory

Schedule is subject to change
Thursday, September 30th

**Live Sessions**

10:30 am – 12:00 pm  
Matthew Kaufman Memorial Stem Cell Lectureship: Skin Epithelial Stem Cell Dynamics in Adult Tissue Homeostasis and Injury Repair  
Tudorita Tumbar, Cornell University

12:00 pm – 1:00 pm  
Lunch Break

1:00 pm – 3:00 pm  
Live Workshop and Discussion Reviewing Attendee Case Submissions and Research Summaries; Questions to Attending Speakers  
- Cases to be presented - Infectious Diseases, CNS, Kidney, Misc.

**Recommended On-Demand Content**

Integrating Imaging Technologies into the Study of Eye Diseases  
Jesus Ruberte, Universitat Autonoma de Barcelona

Phenotyping of Bone Models  
Peter Vogel, St. Jude Children’s Research Hospital

Phenotyping of Teeth Models  
Peter Vogel, St. Jude Children’s Research Hospital

Neuromuscular Disease Phenotyping and Models  
Peter Vogel, St. Jude Children’s Research Hospital

Ciliopathies  
Peter Vogel, St. Jude Children’s Research Hospital

Schedule is subject to change
Friday, October 1st

**Live Sessions**

8:00 am – 9:00 am  **Complex Genetics of Susceptibility to Infections: Tuberculosis**  
Gillian Beamer, Tufts University

**Recommended On-Demand Content**

**Normal Structure and Function of the Mouse Skin, Hair and Nails**  
John P. Sundberg, The Jackson Laboratory

**Genodermatoses: Simple to Complex Genetics of Skin Disease**  
John P. Sundberg, The Jackson Laboratory

Schedule is subject to change