



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

Tuesday, September 28th

Live Sessions

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| 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 <ul style="list-style-type: none">• 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

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

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 Tumber, 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 Autònoma 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

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