

16th Annual Workshop on the Pathology of Mouse Models for Human Disease (1-6 October 2017)

Sunday, 1 October 2017

5:00-6:00 PM

Reception at High Seas

6:00-7:00 PM

Dinner

Monday, 2 October

8:00-8:30 AM

Welcome and general introduction of all participants. *John Sundberg, The Jackson Laboratory*

8:30-10:00 AM

Mouse nomenclature and basic mouse genetic approaches. *C. Herbert Pratt, The Jackson Laboratory*

10:00-10:15AM

Coffee break

10:15-11:15AM

Comparative anatomy and histology of mice and humans. *Piper Treuting, University of Washington*

11:15-12:00AM

Publishing and dealing with editors. *Dustin Graham, Nature Publishing*

12:00-1:30PM

Lunch (Elective open discussion on grants-man-ship and funding opportunities. *Member of the Office of Research Infrastructure Programs (ORIP), NIH*)

1:30-2:30PM

Access to genetically engineered mouse resources – What you need to know! *Member of the Office of Research Infrastructure Programs (ORIP), NIH*

2:30-3:15PM

Genetics behind strain specific background diseases I. *John Sundberg, The Jackson Laboratory and Paul Schofield, University of Cambridge*

3:15-3:30PM

Coffee break

3:30-4:30 PM

Genetics behind strain specific background diseases II. *Paul Schofield, University of Cambridge and John Sundberg, The Jackson Laboratory*

4:30-5:00PM

Pathbase and Phenomebase. Databases for pathologists. *Paul Schofield, University of Cambridge and John Sundberg, The Jackson Laboratory*

6:00-7:30 PM

Dinner

7:30-9:00 PM

Participant presentations. Whole slide images and/or power point presentations for participant introductions. *Jerrold M. Ward, Global Vet Pathology, moderator*

Tuesday, 3 October

8:30-9:30 AM

New and emerging genetic engineering technologies. *Michael Wiles, The Jackson Laboratory*

9:30-10:30 AM

Lymphoid tissues: development, and aging changes. *Harm HogenEsch, Purdue University*

10:30-10:45AM

Coffee break

10:45-11:45 AM

Innate lymphoid cells: Their role in inflammatory diseases. *Harm HogenEsch, Purdue University*

11:45-1:30PM

Lunch – Whole slide scanned images/case presentations by workshop participants

1:30-2:30PM

Modeling prostate cancer in the mouse. *Alexander Yu. Nikitin, Cornell University*

2:30-2:45PM

Coffee break

2:45-5:00PM

Stem cell pathology and mouse models. *Alexander Yu. Nikitin, Cornell University*

5:00 PM on

Open evening (hike, eat on your own downtown, or meet on your own schedule at High Seas)

Wednesday, 4 October

8:30-9:15AM

Tissue Biomarkers: how to: validate antibodies, select appropriate controls, select antibodies, trouble shoot, multiplex, and quantify results. *Kelli Boyd, Vanderbilt University*

9:15-10:15AM

Lung diseases. *Kelli Boyd, Vanderbilt University*

10:15-10:30AM

Coffee break

10:30-11:30AM

Inflammatory bowel disease models. *Piper Treuting, University of Washington*

11:30-1:00PM

Lunch Discussion: Veterinary pathology support at medical research institutions, *Jerrold Ward, Global Vet Path., Piper Treuting, University of Washington; Kelli Boyd, Vanderbilt Univ.*

1:00-6:00PM

Free time for hiking in Acadia National Park with your colleagues.

6:00-7:30PM

Dinner

7:30-9:00PM

Free time or organize special sessions with the faculty (reviewing study sets, small group lectures or discussions) or optional discussion on “Pathology in practice” lead by Kelli Boyd, Vanderbilt University.

Thursday, 5 October

8:30-10:00AM

Comparative pathology of liver diseases. *Jerrold M. Ward, Global VetPathology*

10:00-11:00 AM

Ocular diseases in mutant mice. *Peter Vogel, St. Jude Children's Research Hospital*

11:00-11:15 AM

Coffee break

11:15-12:15 PM

Evaluation of mouse embryonic developmental defects as evidence of gene function. *Kelli Boyd, Vanderbilt University*

12:15-1:30 PM

Lunch

1:30-2:30 PM

Translational approaches for studying human behaviors in mice. *Stacey Rizzo, The Jackson Laboratory*

2:30-3:00PM

Walk or take the shuttle to the main laboratory for the campus wide special lecture

3:00-4:00 PM

Matthew Kaufman memorial stem cell lectureship. *Dennis Roop, University of Colorado*

4:00-6:00 PM

Hiking

6:00-7:00 PM

Lobster dinner at High Seas

7:30-10:00 PM

Case reviews. Participants can bring case materials. Double headed microscopes, whole slide Images, etc. can be used for consultation with other participants, faculty members, or in group discussions.

Friday, 6 October

8:30-10:00 AM

Anatomy and diseases of teeth. *Peter Vogel, St. Jude Children's Research Hospital*

10:30-11:00 AM

Coffee break

11:00-12:00 PM

Bone anatomy and diseases in mutant mice. *Peter Vogel, St. Jude Children's Research Hospital*

12:00-1:00 PM

Lunch