



Cornell University



7th Annual WORKSHOP ON THE PATHOLOGY OF MOUSE MODELS FOR HUMAN DISEASE

September 21-27, 2008 at Cornell University, Ithaca, NY

Contact: Judi Medlin, 207-288-6326 judi.medlin@jax.org

Organizers

Alexander Yu. Nikitin, MD, PhD, Cornell University College of Veterinary Medicine
John Sundberg, DVM, PhD, Dipl. ACVP, The Jackson Laboratory
Jerrold M. Ward, DVM, PhD, Dipl. ACVP, Global Vet Pathology
Harm HogenEsch, DVM, PhD, Dipl. ACVP, Purdue University School of Veterinary Medicine

Course Faculty

Cornell University

Jinhyang Choi, DVM, MS
David C. Corney, BS
Suzana S. Couto, DVM, Dipl. ACVP
Gerald E. Duhamel, DVM, PhD, Dipl. ACVP
Lora H. Ellenson, MD
Andrea Flesken-Nikitin, BS
Teresa M. Gunn, PhD
Michael I. Kotlikoff, VMD, PhD
David M. Lin, PhD
Paul Soloway, PhD
Rachel M. Peters, DVM, Dipl. ACVP
John Schimenti, PhD
Doina Tumbar, PhD
Robert Weiss, PhD
Rebecca M. Williams, PhD
Warren R. Zipfel, PhD

Guest Faculty

Marcus Bosenberg, MD, PhD, University of Vermont
Cory Brayton, DVM, Dipl. ACLAM, ACVP, Johns Hopkins University, School of Medicine
Jeffrey E. Green, MD, National Cancer Institute, NIH
Franziska B. Grieder, DVM, PhD, National Center for Research Resources, NIH
Matthew H. Kaufman, MB, ChB, PhD, MA, DSc., ScD, Edinburgh University, UK
Jerold E. Rehg, DVM, Dipl. ACVP, St. Jude Children's Research Hospital

SCHEDULE

Sunday, September 21st

REGISTRATION

Arrival at Cornell Best Western anytime after 3:00 PM

5:00-7:30 PM Registration and Reception

Monday, September 22nd

8:00 AM	Dean Kotlikoff	Welcome	Hagan
8:15 AM	Gunn	Mouse genetics and strain nomenclature	Hagan
9:45 AM		Break	Hagan
10:00 AM	Schimenti	Forward genetic technologies	Hagan
11:00 AM	Sundberg	Systematic physiologic and pathologic approaches to	Hagan

phenotyping: The Jackson Laboratory Shock/Ellison
Aging Center Program

12:00 PM	Lunch		Cafeteria
1:30 PM	Soloway	Manipulating mouse genome	Hagan
3:00 PM	Nikitin	Interpretation of complex phenotypes in genetically modified mice	Hagan
3:45 PM	Break		Hagan
4:00 PM	Participants	Participant presentations	Hagan
6:00 PM		Dinner	Cafeteria
7:30 PM	Participants	Participant presentations, if needed	Hagan

Tuesday, September 23rd

8:00 AM	Grieder	National Center for Research Resources: Funding Opportunities and the Global Approach to Knockout Mouse Resources	Hagan
8:30 AM	Lin	Gene array analysis of mouse models	Hagan
9:45 AM		Break	Hagan
10:00 AM	Green	Breast cancer modeling and preclinical trials	Hagan
11:00 AM	Sundberg	Diseases of skin and adnexa	Hagan
12:00 PM		Lunch	Cafeteria
1:00 PM		Taughannock Falls Hiking	Taughannock Falls
3:50 PM		Break	Hagan
4:00 PM	Rehg	Mouse pleomorphic soft tissue sarcomas: What are they?	Hagan
4:30 PM	Ward	Introduction to pathology of hematopoietic tumors and evaluation of tumors in aging mice	Hagan
5:00 PM	Rehg	Pathology of mouse lymphomas and histiocytic sarcoma	Hagan
6:00 PM		Dinner	Cafeteria
7:30 PM	Ward	Review of interesting cases brought by participants and faculty/	Hagan

Wednesday, September 24th

8:00 AM	Ward	Tumor pathology	Hagan
8:45 AM	Brayton	Contemporary infectious diseases of mice	Hagan
10:00		Break	Hagan
10:15 AM	HogenEsch	Mouse models for studying development of the immune system	Hagan
11:00 PM	HogenEsch	Mouse models for allergic diseases	Hagan
12:00 PM		Group Photo	Vet College
12:10 PM		Lunch	Cafeteria
1:30 PM	Ward	Walking tour of campus	Campus
3:50 PM		Break	Hagan
4:00 PM	Zipfel and Williams	Multiphoton imaging	Hagan
5:00 PM	Ward	Mouse embryonic lethality and placental	Hagan

		abnormalities	
6:00 PM		Dinner on your own	Ithaca
Thursday, September 25th			
8:00 AM	Weiss	Mouse models for studies of DNA repair	Hagan
	Brayton/ Peters/ Corney/ Choi/ Flesken- Nikitin	Hands on experience: (1) Necropsy wet lab. Supervised necropsies of normal and mutant laboratory mice. Brayton/Peters (2) Global digitizing of slides/Corney and Choi (3) Laser microdissection/Flesken-Nikitin	Vet College
9:00 AM			
12:00 PM		Lunch	Cafeteria
1:30 PM	Duhamel	Mouse models of inflammatory bowel disease	Hagan
	Ward, Brayton, Bosenberg, Couto, Peters	Challenges for pathologists at research institutions. Round table discussion	Hagan
2:30 PM			
5:15 PM		Departure of buses to Seneca Lake	Best Western
6:00 PM		Dinner at Dano's Heuriger on Seneca	Dano's
Friday, September 26th			
8:00 AM	Ellenson	Mouse models of endometrial cancer	Hagan
9:00 AM	Tumbar	Models to study stem cell biology	Hagan
10:15 AM		Break	Hagan
10:30 AM	Bosenberg	Mouse models of skin cancer/melanoma	Hagan
12:00 PM		Lunch	Cafeteria
1:30 PM	Kaufman	IVF, parthenogenesis and stem cells	G10 Biotech Auditorium
3:50 PM		Break	Hagan
4:00 PM	Nikitin	Modeling cancer in the mouse	Hagan
5:30 PM		Adjourn	
6:00 PM		Dinner	Cafeteria
Saturday, September 27th			
9:00 AM	Kaufman	Mouse embryology	Hagan
12 PM		Lunch	Hagan
End of program, Departures			