



Workshop on Techniques in Modeling Human Cancer in Mice

April 29 – May 6, 2023 | The Jackson Laboratory | Bar Harbor, ME

Saturday, April 29

4:30pm	Registration and reception (Participants may not arrive at Highseas prior to 4:00pm)	Highseas 1 st Floor
5:30pm	Dinner	Highseas 1 st Floor
6:15pm	Orientation and Introductions David Threadgill, Ph.D., Texas A & M University, Richard Halberg, Ph.D., University of Wisconsin, & Jennifer Corrigan, M.S., The Jackson Laboratory	Highseas 1 st Floor

Sunday, April 30

7:30am	Breakfast	Highseas Dining
8:30am	Laboratory Mouse – History, Genetics, Tools, Nomenclature and More David Threadgill, Ph.D., <i>Texas A&M University</i>	Highseas 3 rd Floor
9:30am	Break	
9:45am	Introduction to the Basic Mouse Necropsy Stephanie Montgomery, Ph.D., DVM, DACVP, <i>University of North Carolina & Dallas Tissue Research</i>	Highseas 3 rd Floor
10:35am	Break	
10:50am	Considerations for Ensuring High-Quality Data from Digital Image Analysis Hannah Atkins, Ph.D., DVM, DACVP, <i>University of North Carolina</i>	Highseas 3 rd Floor
12:00pm	Lunch	Highseas Dining
1:00pm	Transportation from Highseas to GRB Training Lab	Highseas Lobby
1:30pm	Mouse Biotechnology: Handling, Restraint, IP and Tail Vein Injections Angela Begin, MLAS, LVT, RLATg, Ben Carter, Kristin Cough, B.S., LVT, LATg, <i>The Jackson Laboratory</i>	GRB Training Laboratory

3:30pm	Necropsy Stephanie Montgomery, Ph.D., DVM, DACVP, <i>University of North Carolina & Dallas Tissue Research</i> Hannah Atkins, Ph.D., DVM, DACVP, <i>University of North Carolina</i>	GRB Training Laboratory
5:00pm	Pathologist AMA (Ask Me Anything) Stephanie Montgomery, Ph.D., DVM, DACVP, <i>University of North Carolina & Dallas Tissue Research</i> Hannah Atkins, Ph.D., DVM, DACVP, <i>University of North Carolina</i>	GRB Training Laboratory
5:30pm	Transportation from GRB Training Laboratory to Highseas	Highseas Lobby
6:00pm	Dinner	Highseas Dining
6:45pm	Best Practices in Sampling (Interactive Activity) Stephanie Montgomery, Ph.D., DVM, DACVP, <i>University of North Carolina & Dallas Tissue Research</i> Hannah Atkins, Ph.D., DVM, DACVP, <i>University of North Carolina</i>	Highseas 3 rd Floor
7:15pm	Practices to Promote Rigor and Reproducibility in the Pathology of Preclinical Models Stephanie Montgomery, Ph.D., DVM, DACVP, <i>University of North Carolina & Dallas Tissue Research</i>	Highseas 3 rd Floor

Monday, May 1

At your leisure	Grab and Go Breakfast	Highseas Snack Room
Free time	JAX is surrounded by Acadia National Park and while JAX does not organize free time activities, participants often venture into the National Park and/or enjoy visitor activities in and around Bar Harbor. Individuals interested in doing so are encouraged to bring appropriate clothing & footwear suitable for hiking terrain. Please adhere to park rules and regulations (www.nps.gov/acadia).	
11:00am	Survival Surgery Standards Jonathan Lee DVM, The Jackson Laboratory	Highseas 3 rd Floor
12:00pm	Lunch	Highseas Dining Area
1:00pm	Models of Breast Cancer, Mammary Metastasis Models and Use of Cancer Cell Lines Erin Giles, Ph.D., <i>University of Michigan</i>	
2:00pm	Transportation from Highseas to GRB Training Lab	Highseas Lobby
2:30pm	Mammary Gland Palpations, Mammary Gland Whole Mount Preparation, Whole Mount Analysis, Tumor/Fat Pad/Lymph Node Collection Erin Giles, Ph.D., <i>University of Michigan</i> Douglas Hurst, Ph.D., <i>American Cancer Society</i>	GRB Training Laboratory

4:30pm	Transportation from GRB Training Lab to Highseas	
6:00pm	Dinner	Highseas 1 st Floor
6:45pm	Group Photo	Highseas Stairs
7:00pm	Models of Colon Cancer David Threadgill, Ph.D., <i>Texas A&M University</i>	Highseas 3 rd Floor

Tuesday, May 2

7:00 am	Breakfast	Highseas Dining
8:00am	Predicting Colon Polyp Fate and Response to Therapy Richard Halberg, Ph.D., <i>University of Wisconsin</i>	Highseas 3 rd Floor
9:00am	Travel from Highseas to GRB Training Laboratory	Highseas Lobby
9:30am	Rotating Sessions Group 1+2: Endoscopy Techniques Group 3+4: Dissection and Tumor Quantification David Threadgill, Ph.D. and Michael McGill, B.S., <i>Texas A & M University</i> . Richard Halberg, Ph.D., Santana Snow, B.S. and Maggie Stangis, B.S., <i>University of Wisconsin</i>	GRB Training Laboratory
	Switch Groups	
10:30am	Group 3+4: Endoscopy Techniques Group 1+2: Dissection and Tumor Quantification David Threadgill, Ph.D., <i>Texas A & M University</i> Richard Halberg, Ph.D., Santana Snow, B.S. and Maggie Stangis, B.S., <i>University of Wisconsin</i>	GRB Training Laboratory
11:30am	Lunch	Roscoes
1:00pm	Organoid Cultures and Their Utility Christina Uribe, Ph.D., <i>Fox Chase Cancer Center</i>	GRB Training Laboratory
1:15pm	Preparation of Organoid Cultures and Alternative Delivery Techniques for the Colon Christina Uribe, Ph.D., <i>Fox Chase Cancer Center</i> Mike McGill, B.S., <i>Texas A & M University</i>	GRB Training Laboratory
4:15pm	Transportation from GRB Training Laboratory to Highseas	
6:00pm	Dinner	Highseas Dining
7:00pm	Participant Presentations (Bring a 2-3 min PowerPoint of your work or proposed work)	Highseas 3 rd Floor

Wednesday, May 3

7:30am	Breakfast	Highseas Dining
8:30am	Brain Cancer Models Raquel Sitcheran, Ph.D., Texas A & M University	Highseas 3 rd Floor
9:30am	Prostate Cancer: Clinical Problems, Research Resources and Opportunities Renee Vickman, Ph.D., <i>NorthShore University Health System Research Institute</i>	Highseas 3 rd Floor
10:30am	Transportation from Highseas to GRB Training Laboratory	Highseas Lobby
11:00am	Urogenital Tract Isolation and Prostate Dissection Renee Vickman, Ph.D., <i>NorthShore University Health System Research Institute</i>	GRB Training Laboratory
12:30pm	Lunch	Roscoe's
1:30pm	Stereotaxic Brain Cannulation and Whole Body Perfusion Raquel Sitcheran, Ph.D., Texas A & M University, Jennifer Corrigan, M.S. and Leanne Miceli, A.S., <i>The Jackson Laboratory</i> Michael McGill, B.S., <i>Texas A & M University</i>	GRB Training Laboratory
4:30pm	Transportation from GRB Training Laboratory to Highseas	
6:00pm	Dinner	Highseas Dining
7:00pm	Participant Presentations (Bring a 2-3 min PowerPoint of your work or proposed work)	

Thursday, May 4

7:30am	Breakfast	Highseas Dining
8:30am	Scientific Officer Prospective <i>Douglas Hurst, Ph.D., American Cancer Society</i> Raquel Sitcheran, Ph.D., Texas A & M University	Highseas 3 rd Floor
9:30am	Break	
9:45am	Models of Lung Cancer Katerina Politi, Ph.D., Yale University	
10:45am	Translational Value of Mouse Models of Lung Cancer Margie Clapper, Ph.D., <i>Fox Chase Cancer Center</i>	Highseas 3 rd Floor

12:00pm	Lunch	Highseas Dining
12:30pm	Transportation from Highseas to GRB Training Lab	Highseas Lobby
1:30pm	Lung Preparation, Intubation, Fixation, Lavage and Ventilation Margie Clapper, Ph.D., <i>Fox Chase Cancer Center</i> Katerina Politi, Ph.D., <i>Yale University</i>	GRB Training Laboratory
4:30pm	Transportation from GRB Training Lab to Highseas	
6:00pm	Lobster Dinner	Highseas Dining

Friday, May 5

7:30 am	Breakfast	Highseas Dining
9:00am	Imaging Cancer (Modalities and discussion of hands-on imaging) Muneer Hasham, Ph.D., <i>The Jackson Laboratory</i>	Highseas 3 rd Floor
10:15am	Patient Derived Mouse Models of Cancer (PDX) Muneer Hasham, Ph.D., <i>The Jackson Laboratory</i>	Highseas 3 rd Floor
11:30am	Lunch	Highseas Dining
12:45pm	Transportation from Highseas to GRB Training Lab	Highseas Lobby
1:00pm	Leukemia/Lymphoma Techniques: Lymph Node & Spleen Dissections, Splenocyte & Bone Marrow Isolation Muneer Hasham, Ph.D., <i>The Jackson Laboratory</i> Jane Branca, B.S., <i>The Jackson Laboratory</i> Jennifer Corrigan, M.S., <i>The Jackson Laboratory</i>	GRB Training Laboratory
3:00pm	Xenografting (Subcutaneous PDX and Kidney Capsule) Jonathan Lee, DVM, <i>The Jackson Laboratory</i> Jennifer Corrigan, M.S., <i>The Jackson Laboratory</i> Leanne Miceli, A.S., <i>The Jackson Laboratory</i> Kevin Kane, B.S., <i>The Jackson Laboratory</i>	GRB Training Laboratory
5:00 pm	Transportation from GRB Training Lab to Highseas	
6:00pm	Dinner	Highseas Dining
7:00pm	Perspectives Gained and Needed	Highseas 1 st Floor

Saturday May 6

7:00am Grab & Go Breakfast

Highseas Dining

9:00am Checkout: Participants may remain on the 1st floor until noon if needed

Additional Information

As part of this course, we strongly encourage all participants to take advantage of the following opportunities:

1. **Bring Fixed Slides:** Part of this workshop includes pathology sessions. Participants are encouraged to bring FIXED slides for analysis and discussion. *Please Note: You are not permitted to bring fresh tissue to the Jackson Laboratory*
2. **Present Your Work:** Participants are strongly encouraged to present their work (or proposed work) during this course. Please bring a very brief (2-3 minutes max) PowerPoint presentation.