



## Workshop on Techniques in Modeling Human Cancer in Mice

September 18 – September 25, 2025 | The Jackson Laboratory | Bar Harbor, ME

### Thursday, September 18, 2025

4:30pm	<b>Registration and reception</b> (Participants may not arrive at Highseas prior to 3:00pm)	Highseas 1 <sup>st</sup> Floor
5:30pm	<b>Dinner</b>	Highseas 1 <sup>st</sup> Floor
6:15pm	<b>Orientation and Introductions</b> David Threadgill, Ph.D., Texas A & M University, Richard Halberg, Ph.D., <i>University of Wisconsin</i> , Raquel Sitcheran, Ph.D., Texas A & M University, <i>Douglas Hurst, Ph.D., American Cancer Society</i> and Jennifer Corrigan, M.S., The Jackson Laboratory	Highseas 1 <sup>st</sup> Floor

### Friday, September 19, 2025

7:30am	Breakfast	Highseas Dining
8:30am	<b>Laboratory Mouse – History, Genetics, Tools, Nomenclature and More</b> David Threadgill, Ph.D., <i>Texas A&amp;M University</i>	Highseas 3 <sup>rd</sup> Floor
9:30am	Break	
9:45am	<b>Introduction to Mouse Necropsy</b> Samantha St. Jean, DVM, MS, DACVP, <i>University of Virginia School of Medicine</i>	Highseas 3 <sup>rd</sup> Floor
10:35am	Break	
10:50am	<b>Considerations for Ensuring High-Quality Data from Digital Image Analysis</b> Hannah Atkins, DVM, Ph.D., DACVP, <i>University of North Carolina</i>	Highseas 3 <sup>rd</sup> Floor
12:00pm	Transportation from Highseas to Main Lab	Highseas Lobby
12:15pm	<b>Lunch</b>	Roscoes
1:30pm	<b>Mouse Biomethodology: Handling, Restraint, IP and Tail Vein Injections</b> Angela Begin, MLAS, LVT, RLATg, Ben Carter RALAT, Kristin Cough, B.S., LVT, LATg, Jesse McGowan, Samantha Shaneybrook, <i>The Jackson Laboratory</i>	GRB Training Laboratory

3:30pm	<b>Necropsy</b> Hannah Atkins, DVM, Ph.D., DACVP, <i>University of North Carolina</i>	GRB Training Laboratory
5:00pm	<b>Pathologist AMA (Ask Me Anything):</b> Participants are encouraged to bring <b>FIXED</b> slides for analysis and discussion. <u>Please Note: You are not permitted to bring fresh tissue to the Jackson Laboratory</u> Hannah Atkins, DVM, Ph.D., DACVP, <i>University of North Carolina</i> and Samantha St. Jean, DVM, MS, DACVP, <i>University of Virginia School of Medicine</i>	GRB Training Laboratory
5:30pm	Transportation from GRB Training Lab to Highseas	GRB 3245
6:00pm	Dinner	Highseas Dining
6:45pm	<b>Best Practices in Sampling (Interactive Activity)</b> Hannah Atkins, DVM, Ph.D., DACVP, <i>University of North Carolina</i>	Highseas 3 <sup>rd</sup> Floor
7:15pm	<b>Practices to Promote Rigor and Reproducibility in the Pathology of Preclinical Models</b> Samantha St. Jean, DVM, MS, DACVP, <i>University of Virginia School of Medicine</i>	Highseas 3 <sup>rd</sup> Floor

### **Saturday, September 20, 2025**

7:30am	Breakfast	Highseas Dining
8:30am	<b>Survival Surgery Standards</b> (Virtual presentation) Rebecca LaFleur, DVM, The Jackson Laboratory	Highseas 3 <sup>rd</sup> Floor
9:30am	Break	
9:45am	<b>Models of Lung Cancer</b> Katerina Politi, Ph.D., Yale University	Highseas 3 <sup>rd</sup> Floor
10:45am	<b>Translational Value of Mouse Models of Lung Cancer</b> Margie Clapper, Ph.D., <i>Fox Chase Cancer Center</i>	Highseas 3 <sup>rd</sup> Floor
12:00pm	<b>Lunch</b>	Highseas Dining Area
1:00pm	Transportation from Highseas to GRB Training Lab	
1:30pm	<b>Lung Preparation, Intubation, Fixation, Lavage and Ventilation</b> Margie Clapper, Ph.D., <i>Fox Chase Cancer Center</i> Katerina Politi, Ph.D., Yale University	GRB Training Laboratory
4:30pm	Transportation from GRB Training Lab to Highseas	GRB 3245
6:00pm	Dinner	Highseas 1 <sup>st</sup> Floor

## **Sunday, September 21, 2025**

7:30 am	Breakfast	Highseas Dining
8:30am	<b>Models of Colon Cancer</b> David Threadgill, Ph.D., <i>Texas A&amp;M University</i>	Highseas 3 <sup>rd</sup> Floor
9:30am	Transportation from Highseas to GRB Training Laboratory	Highseas Lobby
10:00am	<b>Rotating Sessions</b> <b>Group 1+2: Endoscopy Techniques</b> <b>Group 3+4: Dissection and Tumor Quantification</b> David Threadgill, Ph.D., Kaitlyn Carter, B.S., and William Leach, B.S., <i>Texas A &amp; M University</i> , Richard Halberg, Ph.D., <i>University of Wisconsin</i> and Santina Snow, Ph.D., American Cancer Society	GRB Training Laboratory
	<b>Switch Groups</b>	
11:00am	<b>Group 3+4: Endoscopy Techniques</b> <b>Group 1+2: Dissection and Tumor Quantification</b> David Threadgill, Ph.D., Kaitlyn Carter, B.S., and William Leach, B.S., <i>Texas A &amp; M University</i> , Richard Halberg, Ph.D., <i>University of Wisconsin</i> and Santina Snow, Ph.D., American Cancer Society	GRB Training Laboratory
12:00pm	<b>Lunch</b>	Roscoes
1:00pm	<b>Organoid Cultures and Their Utility</b> David Threadgill, Ph.D., <i>Texas A &amp; M University</i>	GRB Training Laboratory
1:15pm	<b>Preparation of Organoid Cultures and Alternative Delivery Techniques for the Colon</b> David Threadgill, Ph.D., Kaitlyn Carter, B.S., and William Leach, B.S., <i>Texas A &amp; M University</i> and Santina Snow, Ph.D., American Cancer Society	GRB Training Laboratory
4:00pm	Transportation from GRB Training Laboratory to Highseas	GRB 3245
4:30pm	<b>Talk Title TBD</b> Kaitlyn Carter, B.S., <i>Texas A &amp; M University</i>	Highseas 3 <sup>rd</sup> Floor
4:45pm	<b>Talk Title TBD</b> William Leach, B.S., <i>Texas A &amp; M University</i>	
6:00pm	Dinner	Highseas Dining
6:45pm	Group Photo	Highseas Stairs
7:00pm	<b>Participant Presentations</b> (Bring a 2-3 min PowerPoint of your work or proposed work)	Highseas 3 <sup>rd</sup> Floor

**Monday, September 22, 2025**

7:30am	Breakfast	Highseas Dining
8:30am	<b>Cancer Metabolism and Melanoma Biology</b> Phil West, Ph.D., The Jackson Laboratory	Highseas 3 <sup>rd</sup> Floor
9:30am	<b>Break</b>	
9:45am	<b>Brain Cancer Models</b> Raquel Sitcheran, Ph.D., Texas A & M University	Highseas 3 <sup>rd</sup> Floor
10:45am	<b>Prostate Cancer: Clinical Problems, Research Resources and Opportunities</b> Barbara Foster, Ph.D., <i>Roswell Park Cancer Institute</i>	Highseas 3 <sup>rd</sup> Floor
11:45pm	Transportation from Highseas to Main Lab	Highseas Lobby
12:00pm	Lunch	Roscoes
1:00pm	<b>Urogenital Tract Isolation and Prostate Dissection</b> Barbara Foster, Ph.D., <i>Roswell Park Cancer Institute</i>	GRB Training Laboratory
2:45pm	<b>Stereotaxic Brain Injection and Whole Body Perfusion</b> Raquel Sitcheran, Ph.D., Texas A & M University, Kevin Kane, Jennifer Corrigan, M.S. and Leanne Miceli, A.S., <i>The Jackson Laboratory</i>	
5:00 pm	Transportation from GRB Training Laboratory to Highseas	GRB 3245
6:00pm	Lobster Dinner	Highseas 1 <sup>st</sup> Floor
7:00pm	<b>Participant Presentations</b> (Bring a 2-3 min PowerPoint of your work or proposed work)	Highseas 3 <sup>rd</sup> Floor

**Tuesday, September 23, 2025**

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 ( <a href="http://www.nps.gov/acadia">www.nps.gov/acadia</a> ).	
11:00am	<b>Models of Breast Cancer, Mammary Metastasis Models and Use of Cancer Cell Lines</b> Erin Giles, Ph.D., <i>University of Michigan</i>	Highseas 3 <sup>rd</sup> Floor
12:00pm	Transportation from Highseas to GRB Training Lab	Highseas Lobby
12:15pm	<b>Lunch</b>	Roscoes
1:15pm	<b>Mammary Gland Palpations, Mammary Gland Whole Mount Preparation, Whole Mount Analysis, Tumor/Fat Pad/Lymph Node Collection</b> Erin Giles, Ph.D., <i>University of Michigan</i> Douglas Hurst, Ph.D., <i>American Cancer Society</i>	GRB Training Laboratory
3:15pm	Transportation from GRB Training Lab to Highseas	
3:30pm	Dinner on your own (Free evening)	

### **Wednesday, September 24, 2025**

7:30 am	Breakfast	Highseas Dining
8:30	<b>Scientific Officer Prospective</b> <i>Douglas Hurst, Ph.D., American Cancer Society</i> <i>Raquel Sitcheran, Ph.D., Texas A &amp; M University</i>	Highseas 3 <sup>rd</sup> Floor
9:45am	<b>Xenografting and Live Imaging</b> <i>Muneer Hasham, Ph.D., The Jackson Laboratory</i>	Highseas 3 <sup>rd</sup> Floor
12:00pm	Transportation from Highseas to Main Lab	Highseas Lobby
12:15pm	Lunch	Roscoes
1:15pm	<b>Leukemia/Lymphoma Techniques: Spleen Dissection, Splenocyte &amp; Bone Marrow Isolation</b> <b>Quantification of Leukemia model using live imaging software</b> <i>Muneer Hasham, Ph.D., Jennifer Sargent, B.S., Mark Warner and Shawna Farley, The Jackson Laboratory</i>	GRB Training Laboratory
3:15pm	<b>Xenografting (Subcutaneous PDX and Kidney Capsule)</b> <i>Kevin Kane, Sydney Farrin, B.S., Jennifer Corrigan, M.S., and Leanne Miceli, A.S., The Jackson Laboratory</i>	GRB Training Laboratory
5:00 pm	Transportation from GRB Training Lab to Highseas	GRB 3245
6:00pm	Dinner	Highseas Dining
7:00pm	<b>Perspectives Gained and Needed</b>	Highseas 1 <sup>st</sup> Floor

### **Thursday, September 25, 2025**

7:00am	Grab & Go Breakfast	Highseas Dining
9:00am	Highseas Room Checkout by 9:00am: Participants may remain on the 1 <sup>st</sup> floor until noon if needed	

### **Additional Information**

As part of this course, all participants are strongly encouraged 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 PowerPoint presentation (1-2 slides, 2-3 minutes max).