WORKSHOP SCHEDULE
This schedule is subject to change.

Sunday, September 12th, 2021
4:30pm Registration and reception
Highseas 1st Floor
5:30pm Dinner
Highseas 1st Floor
6:00pm 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

Monday, September 13, 2021
8:30am Laboratory Mouse – History, Genetics, Tools, Nomenclature and More
David Threadgill, Ph.D., Texas A&M University
Highseas 3rd Floor
9:30am Break

9:45am Introduction to a Basic Mouse Necropsy
Stephanie Montgomery, Ph.D., DVM, DACVP and Hannah Atkins, Ph.D., DVM, DACVP, University of North Carolina
Highseas 3rd Floor
10:15am Pathology Exercise
Stephanie Montgomery, Ph.D., DVM, DACVP and Hannah Atkins, Ph.D., DVM, DACVP, University of North Carolina
Highseas 3rd Floor
10:45am Considerations for Rigor and Reproducibility in Preclinical Models
Stephanie Montgomery, Ph.D., DVM, DACVP and Hannah Atkins, Ph.D., DVM, DACVP, University of North Carolina
Highseas 3rd Floor
12:00pm Lunch and In Vivo Imaging (Group 1)
Jennifer Sargent, B.S., The Jackson Laboratory
(Imaging group #1 will grab a quick lunch then travel to the GRB Training Lab at 12:30. Everyone else will travel to the GRB Training Lab at 1:15.)
Highseas dining area/GRB Training Laboratory
1:30pm Mouse Biomethodology: Handling, Restraint, IP and Tail Vein Injections
GRB Training Laboratory
Kristin Cough, B.S., The Jackson Laboratory

3:15 Necropsy (Hands-on)
Stephanie Montgomery, Ph.D., DVM, DACVP and Hannah Atkins, Ph.D., DVM, DACVP, University of North Carolina

4:45pm Break

5:00pm Pathology Review (bring your own fixed slides for analysis)
DO NOT BRING FRESH TISSUE TO THE JACKSON LABORATORY
Stephanie Montgomery, Ph.D., DVM, DACVP, and Hannah Atkins, Ph.D., DVM, DACVP, University of North Carolina

5:30pm Travel to Highseas

6:00pm Dinner

7:00pm Considerations for Ensuring High-Quality Data from Digital Image Analysis
Stephanie Montgomery, Ph.D., DVM, DACVP, and Hannah Atkins, Ph.D., DVM, DACVP, University of North Carolina

Tuesday, September 14, 2021

6:00am 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).

10:00am Models of Breast Cancer, Mammary Metastasis Models and Use of Cancer Cell Lines
Erin Giles, Ph.D., Texas A&M University

12:00pm Lunch and In Vivo Imaging (Group 2)
Jennifer Sargent, B.S., The Jackson Laboratory
(Imaging group #2 will grab a quick lunch then travel to the GRB Training Lab at 12:30. Everyone else will travel to the GRB Training Lab at 1:15)

1:30pm Dissection of Mammary Glands, Whole Mount Preparation, Whole Mount Analysis, Mammary Gland Palpations, Tumor/Fat Pad/Lymph Node Collection, Fat Pad Clearing for Mammary Cell Transplantation, Orthotopic Injections into the Mammary Fat Pad
Erin Giles, Ph.D., Texas A&M University

5:30pm Travel to Highseas

6:00pm Dinner

7:00pm Models of Colon Cancer
David Threadgill, Ph.D., Texas A&M University
Wednesday, September 15, 2021

8:00am  Predicting Colon Polyp Fate and Response to Therapy  
Richard Halberg, Ph.D., University of Wisconsin  
Highseas 3rd Floor Conf. Room

9:00am  Travel to GRB Training Laboratory

9:30am  Rotating Sessions  
Group A: Endoscopy Techniques  
Group B: Dissection and Tumor Quantification  
David Threadgill, Ph.D., Texas A & M University, Richard Halberg, Ph.D., University of Wisconsin, and Alyssa Leystra, Ph.D., Fox Chase Cancer Center  
GRB Training Laboratory

10:30am  Switch Groups  
Group B: Endoscopy Techniques  
Group A: Dissection and Tumor Quantification  
GRB Training Laboratory

11:30am  Lunch and In Vivo Imaging (Group 3)  
Jennifer Sargent, B.S., The Jackson Laboratory  
(Imaging group #3 will grab a quick lunch then go to the GRB Training Lab at 12:00. Everyone else will return to the training laboratory at 1:00.)  
- In-vivo sessions in GRB lab  
- Lunch at Roscoe's Dining

1:00pm  Organoid Cultures and Their Utility  
Alyssa Leystra, Ph.D., Fox Chase Cancer Center  
GRB Training Laboratory

1:15pm  Preparation of Organoid Cultures and Alternative Delivery Techniques for the Colon  
David Threadgill, Ph.D., Texas A & M University, Richard Halberg, Ph.D., University of Wisconsin, Alyssa Leystra, Ph.D., Fox Chase Cancer Center  
GRB Training Laboratory

5:30pm  Van Transportation to Highseas Conference Center

6:00pm  Dinner  
Free evening  
Highseas 1st Floor

Thursday, September 16, 2021

10:00am  Models of Lung Cancer  
Katerina Politi, Ph.D., Yale University  
Highseas 3rd Floor Conf. Room

11:00am  Translational Value of Mouse Models of Lung Cancer  
Margie Clapper, Ph.D., Fox Chase Cancer Center  
Highseas 3rd Floor Conf. Room

12:00pm  Lunch and In Vivo Imaging (Group 3)  
Jennifer Sargent, B.S., The Jackson Laboratory  
(Imaging group #4 will grab a quick lunch then travel to the GRB Training Lab at 12:30. Everyone else will travel to the GRB Training Lab at 1:15)  
- In-vivo sessions in GRB lab  
- Lunch TBD

1:30pm  Lung Preparation and Injections  
Katerina Politi, Ph.D., Yale University  
Margie Clapper, Ph.D., Fox Chase Cancer Center  
GRB Training Laboratory
3:15pm  Intubation and Ventilation  
Katerina Politi, Ph.D., Yale University  
Margie Clapper, Ph.D., Fox Chase Cancer Center  
GRB Training Laboratory

6:00pm  Dinner  
Highseas 1st Floor

7:00pm  Participant Presentations (Bring a 10 min PowerPoint presentation of your work)  
Highseas 3rd Floor Conf. Room

Friday, September 17, 2021

9:00am  Imaging Cancer (Modalities and discussion of hands-on imaging)  
Muneer Hasham, Ph.D., The Jackson Laboratory  
Highseas 3rd Floor

10:15am  Patient Derived Mouse Models of Cancer (PDX)  
Muneer Hasham, Ph.D., The Jackson Laboratory  
Highseas 3rd Floor

11:30am  Lunch  
Highseas 1st Floor

1:00pm  Leukemia/Lymphoma Techniques: Lymph Node & Spleen Dissections, Splenocyte & Bone Marrow Isolation  
Muneer Hasham, Ph.D., Jane Branca, B.S., and Jennifer Corrigan, M.S., The Jackson Laboratory  
GRB Training Laboratory

3:00pm - 5:00pm  Xenografting (Subcutaneous PDX and Kidney Capsule)  
GRB Training Laboratory

6:00pm  Dinner  

7:00pm  Participant Presentations (Bring a 10 min PowerPoint presentation of your work)  
Lecture Room TBD

Saturday, September 18, 2021

8:30am  Prostate Cancer: Clinical Problems, Research Resources and Opportunities  
Renee Vickman, Ph.D., NorthShore University HealthSystem Research Institute  
Highseas 3rd Floor

9:30am  Brain Cancer Models  
Raquel Sitcheran, Ph.D., Texas A & M Health Science Center  
Highseas 3rd Floor

10:30  Travel to GRB Training lab

11:00pm  Urogenital Tract Isolation and Prostate Dissection  
Renee Vickman, Ph.D., NorthShore University HealthSystem Research Institute  
GRB Training Laboratory

12:30pm  Lunch  
Roscoe’s Dining Hall
1:30pm  **Stereotaxic Intracranial Injection, Brain Isolation, and Whole Body Perfusion**  
Raquel Sitcheran, Ph.D., Texas A & M Health Science Center, 
Jennifer Corrigan, M.S., and Andree Lapierre, B.S., The Jackson Laboratory

5:00  **Travel to Highseas**

6:00  **Dinner**  
Highseas 1st Floor

7:00  **Perspectives Gained and Needed**  
Highseas

**Sunday, September 19, 2021**

7:00 am -  **Grab & Go Breakfast & Checkout**  
Highseas 1st Floor

9:00 am  Participants may remain on the 1st floor later than 9:00 if needed.  
Floor