Workshop on Techniques in Modeling Human Cancer in Mice

September 12-18, 2021

WORKSHOP SCHEDULE
This schedule is subject to change.

**Sunday, September 12th, 2021**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>4:30pm</td>
<td>Registration and reception</td>
<td>Highseas 1st Floor</td>
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<tr>
<td>5:30pm</td>
<td>Dinner</td>
<td>Highseas 1st Floor</td>
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<tr>
<td>6:00pm</td>
<td>Orientation and Introductions</td>
<td>Highseas 1st Floor</td>
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<td></td>
<td>Orientation and Introductions</td>
<td>David Threadgill, Ph.D., Texas A &amp; M University, Richard Halberg, Ph.D., University of Wisconsin, &amp; Jennifer Corrigan, M.S., The Jackson Laboratory</td>
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**Monday, September 13, 2021**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:15</td>
<td>Meet in JAX main lobby</td>
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<tr>
<td>8:30am</td>
<td>Laboratory Mouse – History, Genetics, Tools, Nomenclature and More</td>
<td>JAX Conference room</td>
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<td>Laboratory Mouse – History, Genetics, Tools, Nomenclature and More</td>
<td>David Threadgill, Ph.D., Texas A&amp;M University</td>
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<tr>
<td>9:45am</td>
<td>Mouse Biomethodology: Handling, Restraint, IP and Tail Vein Injection</td>
<td>GRB Training Laboratory</td>
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<td></td>
<td>Mouse Biomethodology: Handling, Restraint, IP and Tail Vein Injection</td>
<td>Kristin Cough, B.S., The Jackson Laboratory</td>
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<tr>
<td>11:30pm</td>
<td>Lunch and In Vivo Imaging Rotating Sessions</td>
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<td>-In-vivo sessions in GRB lab</td>
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<td></td>
<td>Lunch and In Vivo Imaging Rotating Sessions</td>
<td>-Lunch TBD</td>
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1:30pm  **Necropsy**  
Stephanie Montgomery, Ph.D., DVM, University of North Carolina &  
Ruth Sullivan, V.M.D, Ph.D., University of Wisconsin  

GRB Training Laboratory

2:45pm  **Break**

3:00pm  **Pathology Review** (bring your own fixed slides for analysis)  
Stephanie Montgomery, Ph.D., DVM, University of North Carolina &  
Ruth Sullivan, V.M.D, Ph.D., University of Wisconsin  

GRB Training Laboratory

3:00pm  **Pathology Review** (bring your own fixed slides for analysis)  
Stephanie Montgomery, Ph.D., DVM, University of North Carolina &  
Ruth Sullivan, V.M.D, Ph.D., University of Wisconsin  

GRB Training Laboratory

4:00pm  **Travel to Highseas:** participants may provide their own  
transportation or walk (~15 minute walk)

4:30pm  **Visions of Next-Gen Pathology**  
Ruth Sullivan, V.M.D, Ph.D., University of Wisconsin  

Highseas 3rd Floor Conf. Room

6:00pm  **Dinner**  

Highseas 1st Floor

7:00pm  **Pathology Exercise**  
Stephanie Montgomery, Ph.D., DVM, University of North Carolina &  
Ruth Sullivan, V.M.D, Ph.D., University of Wisconsin  

Highseas 3rd Floor Conf. Room

7:30pm  **Tips on Good Specimen Sampling & Fixation**  
Stephanie Montgomery, Ph.D., DVM, University of North Carolina &  
Ruth Sullivan, V.M.D, Ph.D., University of Wisconsin  

Highseas 3rd Floor Conf. Room

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**Tuesday, September 14, 2021**

9:00am  **Models of Breast Cancer**  
Amy Moser, Ph.D., University of Wisconsin  

Highseas 3rd Floor Conf. Room

10:15am  **Mammary Metastasis Models and Use of Cancer Cell Lines**  
Doug Hurst, Ph.D., University of Alabama at Birmingham  

Highseas 3rd Floor Conf. Room

11:30am  **Lunch and In Vivo Imaging Rotating Sessions**  
- *In-vivo* sessions in GRB lab  
- Lunch TBD  

GRB Training Laboratory

1:00pm  **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, Orthotypic Injections into the Mammary Fat Pad**  
Amy Moser, Ph.D., University of Wisconsin &  
Doug Hurst, Ph.D., University of Alabama at Birmingham  

Highseas 3rd Floor Conf. Room

5:30pm  **Travel to Highseas:** participants may provide their own  
transportation or walk (~15 minute walk)

6:00pm  **Dinner**  

Highseas 1st Floor

7:00pm  **Models of Colon Cancer**  
David Threadgill, Ph.D., Texas A&M University  

Highseas 3rd Floor

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**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**: participants may provide their own transportation or walk (~15 minute walk)

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

10:30am  **Switch Groups**  
**Group B: Endoscopy Techniques**  
**Group A: Dissection and Tumor Quantification**

11:30am  **Lunch and In Vivo Imaging Rotating Sessions**  
-In-vivo sessions in GRB lab  
-Lunch TBD

1:00pm  **Organoid Cultures and Their Utility**  
Alyssa Leystra, Ph.D., Fox Chase Cancer Center  
B53 ERB 2535  
Board Room

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

5:30pm  **Van Transportation to Highseas Conference Center**

6:00pm  **Dinner**  
**Free evening**  
Highseas 1st Floor

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**Thursday, September 16, 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 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 Rotating Sessions**  
-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
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

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

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

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

Saturday, September 18, 2021

8:15  **Meet in JAX main lobby**

8:30am  **Prostate Cancer: Clinical Problems, Research Resources and Opportunities**  
Chad Vezina, Ph.D., University of Wisconsin  
JAX conference room

9:30am  **Prostate Dissection, Prostate Injection and Surgical Orchietomy**  
Chad Vezina, Ph.D., University of Wisconsin  
Jennifer Corrigan, M.S., The Jackson Laboratory  
GRB Training Laboratory

11:30pm  **Lunch**  
Roscoe’s

12:30pm  **Brain Cancer Models**  
Raquel Sitcheran, Ph.D., Texas A & M Health Science Center  
Highseas 3rd Floor Conf. Room

1:30pm  **Travel to GRB Training lab:** participants may provide their own transportation or walk (~15 minute walk)  
GRB Training Laboratory

2:00pm-5:00pm  **Stereotaxic Intracranial Injection, Brain Isolation, and Whole Body Perfusion**
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<td>Dinner</td>
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<tr>
<td>7:00pm</td>
<td>Perspectives Gained and Needed</td>
<td>Highseas 3rd Floor Conf. Room</td>
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