Workshop on Techniques in Modeling Human Cancer in Mice

August 30th – September 6th, 2020

WORKSHOP SCHEDULE
This schedule is subject to change.

Sunday, August 30, 2020

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
Highseas 1st Floor

Monday, August 31, 2020

7:00am Breakfast
Highseas 1st Floor

8:15am Laboratory Mouse – History, Genetics, Tools,
Nomenclature and More
David Threadgill, Ph.D., Texas A&M University
Highseas 3rd Floor
Conf. Room

9:15am Van Transportation to GRB Training Laboratory

9:30am Mouse Biomethodology: Handling, Restraint, IP and Tail
Vein Injection
Kristin Cough, B.S., The Jackson Laboratory
GRB Training Laboratory

12:00pm Lunch
Group 1: Imaging Cancer In-Vivo (hands-on), 12:00-12:30
- Roscoe’s lunch
- In-vivo sessions
Group 2: Imaging Cancer In-Vivo (hands-on), 12:30-1:00
in GRB lab
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>1:00pm</td>
<td><strong>Necropsy</strong>&lt;br&gt;Stephanie Montgomery, Ph.D., DVM, University of North Carolina &amp; Ruth Sullivan, V.M.D, Ph.D., University of Wisconsin</td>
<td>GRB Training Laboratory</td>
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<tr>
<td>2:45pm</td>
<td><strong>Break</strong></td>
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<tr>
<td>3:00pm</td>
<td><strong>Pathology Review</strong>&lt;br&gt;(bring your own fixed slides for analysis)&lt;br&gt;Stephanie Montgomery, Ph.D., DVM, University of North Carolina &amp; Ruth Sullivan, V.M.D, Ph.D., University of Wisconsin</td>
<td>GRB Training Laboratory</td>
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<tr>
<td>4:00pm</td>
<td><strong>Van Transportation to Highseas Conference Center</strong></td>
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<tr>
<td>4:30pm</td>
<td><strong>Visions of Next-Gen Pathology</strong>&lt;br&gt;Ruth Sullivan, V.M.D, Ph.D., University of Wisconsin</td>
<td>Highseas 3rd Floor Conf. Room</td>
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<tr>
<td>6:00pm</td>
<td><strong>Dinner</strong></td>
<td>Highseas 1st Floor</td>
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<tr>
<td>7:00pm</td>
<td><strong>Pathology Exercise</strong>&lt;br&gt;Stephanie Montgomery, Ph.D., DVM. University of North Carolina &amp; Ruth Sullivan, V.M.D, Ph.D., University of Wisconsin</td>
<td>Highseas 3rd Floor Conf. Room</td>
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<td>7:30pm</td>
<td><strong>Tips on Good Specimen Sampling &amp; Fixation</strong>&lt;br&gt;Stephanie Montgomery, Ph.D., DVM, University of North Carolina &amp; Ruth Sullivan, V.M.D, Ph.D., University of Wisconsin</td>
<td>Highseas 3rd Floor Conf. Room</td>
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**Tuesday, September 1, 2020**

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<tr>
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<tr>
<td>7:00am</td>
<td><strong>Breakfast</strong></td>
<td>Highseas 1st Floor</td>
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<tr>
<td>8:30am</td>
<td><strong>Models of Breast Cancer</strong>&lt;br&gt;Amy Moser, Ph.D., University of Wisconsin</td>
<td>Highseas 3rd Floor Conf. Room</td>
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<tr>
<td>9:30am</td>
<td><strong>Mammary Metastasis Models and Use of Cancer Cell Lines</strong>&lt;br&gt;Doug Hurst, Ph.D., University of Alabama at Birmingham</td>
<td>Highseas 3rd Floor Conf. Room</td>
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<tr>
<td>10:30am</td>
<td><strong>Van Transportation to GRB Training Laboratory</strong></td>
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<tr>
<td>10:45am</td>
<td><strong>Dissection of Mammary Glands, Whole Mount Preparation, Whole Mount Analysis</strong>&lt;br&gt;Amy Moser, Ph.D., University of Wisconsin &amp; Doug Hurst, Ph.D., University of Alabama at Birmingham</td>
<td>GRB Training Laboratory</td>
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<tr>
<td>12:30pm</td>
<td><strong>Lunch</strong>&lt;br&gt;-Roscoe’s lunch&lt;br&gt;-In-vivo sessions in GRB lab</td>
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<tr>
<td>1:30pm</td>
<td><strong>Mammary Gland Palpations, Tumor/Fat Pad/Lymph Node Collection</strong>&lt;br&gt;Amy Moser, Ph.D., University of Wisconsin &amp; Doug Hurst, Ph.D., University of Alabama at Birmingham</td>
<td>GRB Training Laboratory</td>
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<tr>
<td>3:30pm</td>
<td><strong>Break</strong></td>
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3:45pm  Fat Pad Clearing for Mammary Cell Transplantation, Orthotopic Injections into the Mammary Fat Pad
Amy Moser, Ph.D., University of Wisconsin &
Doug Hurst, Ph.D., University of Alabama at Birmingham

GRB Training Laboratory

5:15pm  Van Transportation to Highseas Conference Center

6:00pm  Dinner

Highseas 1st Floor

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

Highseas 3rd Floor

Wednesday, September 2, 2020

7:00am  Breakfast
Highseas 1st Floor

8:30am  Predicting Colon Polyp Fate and Response to Therapy
Richard Halberg, Ph.D., University of Wisconsin

Highseas 3rd Floor Conf. Room

9:30am  Van Transportation to GRB Training Laboratory

9:45am  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

10:45am  Switch Groups
Group B: Endoscopy Techniques
Group A: Dissection and Tumor Quantification

GRB Training Laboratory

11:45am  Lunch
Group 5: Imaging Cancer In-Vivo (hands-on), 11:45-12:15
Group 6: Imaging Cancer In-Vivo (hands-on), 12:15-12:45
-Roscoe’s lunch
-In-vivo sessions in GRB lab

12:45pm  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

GRB Training Laboratory

5:30pm  Van Transportation to Highseas Conference Center

6:00pm  Lobster Dinner
Free evening

Highseas 1st Floor
Thursday, September 3, 2020

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](http://www.nps.gov/acadia)).

9:00am  **Breakfast**

10:00am  **Models of Lung Cancer**
           Katerina Politi, Ph.D., Yale University

11:00am  **Translational Value of Mouse Models of Lung Cancer**
           Margie Clapper, Ph.D., Fox Chase Cancer Center

12:00pm  **Van Transportation to Roscoe’s / GRB Training Lab**

12:15pm  **Lunch**
           Group 7: Imaging Cancer *In-Vivo* (hands-on), 12:15-12:45
           Group 8: Imaging Cancer *In-Vivo* (hands-on), 12:45-1:15

1:15pm  **Lung Preparation and Injections**
           Katerina Politi, Ph.D., Yale University
           Margie Clapper, Ph.D., Fox Chase Cancer Center

3:00pm  **Intubation and Ventilation 1**
           Katerina Politi, Ph.D., Yale University
           Margie Clapper, Ph.D., Fox Chase Cancer Center

5:00pm  **Van Transportation to Highseas Conference Center**

6:00pm  **Dinner**

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

Friday, September 4, 2020

7:00am  **Breakfast**

8:15am  **Patient Derived Mouse Models of Cancer (PDX)**
           Muneer Hasham, Ph.D., The Jackson Laboratory

9:15am  **Van Transportation to GRB Training Laboratory**

9:30am  **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

12:00pm  **Lunch**
           Group 9: Imaging Cancer *In-Vivo* (hands-on), 12:00-12:30
           Group 10: Imaging Cancer *In-Vivo* (hands-on), 12:30-1:00
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<tr>
<td>1:00pm</td>
<td><strong>Imaging Cancer</strong> (Modalities and discussion of hands-on imaging) Muneer Hasham, Ph.D., The Jackson Laboratory</td>
<td>B18 LCC</td>
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<td><strong>Staff Conference</strong></td>
<td>Staff Conference</td>
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<td>2:00pm</td>
<td><strong>Xenografting (Subcutaneous PDX and Kidney Capsule)</strong> Bonnie Lyons, D.V.M., Jennifer Corrigan, M.S., &amp; Andree Lapierre, B.S., The Jackson Laboratory</td>
<td>GRB Training Laboratory</td>
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<td>4:30pm</td>
<td><strong>Van Transportation to Highseas Conference Center</strong></td>
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<td>6:00pm</td>
<td><strong>Dinner</strong></td>
<td>Highseas 1st Floor</td>
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<td>7:00pm</td>
<td><strong>Participant Presentations</strong> (Bring a 10 min PowerPoint presentation of your work)</td>
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**Saturday, September 5, 2020**

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<tr>
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<tbody>
<tr>
<td>7:00am</td>
<td><strong>Breakfast</strong></td>
<td>Highseas 1st Floor</td>
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<tr>
<td>8:15am</td>
<td><strong>Brain Cancer Models</strong> Raquel Sitcheran, Ph.D., Texas A &amp; M Health Science Center</td>
<td>Highseas 3rd Floor</td>
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<tr>
<td>9:15am</td>
<td><strong>Van Transportation to GRB Training Laboratory</strong></td>
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<tr>
<td>9:30am</td>
<td><strong>Stereotaxic Intracranial Injection, Brain Isolation, and Whole Body Perfusion</strong> Raquel Sitcheran, Ph.D., Texas A &amp; M Health Science Center, Jennifer Corrigan, M.S., and Andree Lapierre, B.S., The Jackson Laboratory</td>
<td>GRB Training Laboratory</td>
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<tr>
<td>12:30pm</td>
<td><strong>Lunch</strong></td>
<td>Roscoe’s</td>
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<tr>
<td>1:30pm</td>
<td><strong>Prostate Cancer: Clinical Problems, Research Resources and Opportunities</strong> Chad Vezina, Ph.D., University of Wisconsin</td>
<td>B18 LCC Auditorium</td>
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<tr>
<td>2:30pm</td>
<td><strong>Prostate Dissection, Prostate Injection and Surgical Orchiectomy</strong> Chad Vezina, Ph.D., University of Wisconsin Jennifer Corrigan, M.S., The Jackson Laboratory</td>
<td>GRB Training Laboratory</td>
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<td>4:30pm</td>
<td><strong>Van Transportation to Highseas Conference Center</strong></td>
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<tr>
<td>6:00pm</td>
<td><strong>Dinner</strong></td>
<td>Highseas 1st Floor</td>
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<td>7:00pm</td>
<td><strong>Perspectives Gained and Needed</strong></td>
<td>Highseas 3rd Floor</td>
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**Sunday, September 6, 2020**

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<tbody>
<tr>
<td>7:00am</td>
<td><strong>Breakfast &amp; Departures</strong> Room Check-Out is 9:00am</td>
<td>Highseas 1st Floor</td>
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