



Workshop on Techniques in Modeling Human Cancer in Mice

August 24-31, 2018
WORKSHOP SCHEDULE
This schedule is subject to change.

Friday, August 24, 2018

Location: Highseas Conference Center

- 4:30pm** **Registration and reception** (*Highseas Lobby*)
- 5:30pm** **Dinner** (*Highseas 1st floor*)
- 6:30pm** **Orientation and Introductions**
David Threadgill, Ph.D., Texas A & M University
Richard Halberg, Ph.D., University of Wisconsin
Charles Wray, Ph.D., The Jackson Laboratory
Jennifer Corrigan, M.S., The Jackson Laboratory

Saturday, August 25, 2018

- 7:00am** **Breakfast** (*Highseas 1st floor*)
- 8:00am** **Course Evaluations** (*Highseas 3rd floor*)
Sharon LaBrie, M.S., University of Maine Center for Research and Evaluation
- 8:15am** **Laboratory Mouse – History, Genetics, Tools, Nomenclature and More**
David Threadgill, Ph.D., Texas A&M University
- 9:15am** ***Van transports participants to GRB 3rd Floor Training Laboratory***
- 9:30am** **Mouse Biomethodology: Handling, Restraint, IP and Tail Vein Injection**
Jennifer Corrigan, M.S., and Kristin Cough, B.S., The Jackson Laboratory
- 12:00pm** **Catered Lunch** (*Roscoe's dining room*)
- 12:45pm** **Necropsy**
Stephanie Montgomery, Ph.D., DVM, University of North Carolina
Ruth Sullivan, V.M.D, Ph.D., University of Wisconsin

- 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
- 4:00pm The Role of the Environment in Cancer Modeling** (GRB 3225 Conference Room)
Anna Salvador, B.S., Texas A & M University
- 5:00pm Van Transports Participants Back to Highseas Conference Center**
- 6:00pm Dinner** (*Highseas 1st floor*)
- 7:00pm Pathology Exercise** (Highseas 3rd floor)
Stephanie Montgomery, Ph.D., DVM, University of North Carolina
Ruth Sullivan, V.M.D, Ph.D., University of Wisconsin
- 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

Sunday, August 26, 2018

- 7:00am Breakfast** (*Highseas 1st floor*)
- 8:30am Models of Breast Cancer** (Highseas 3rd floor)
Amy Moser, Ph.D., University of Wisconsin
- 9:30am Mammary Metastasis Models and Use of Cancer Cell Lines**
Doug Hurst, Ph.D., University of Alabama at Birmingham
- 10:30am Van Transports Participants to GRB 3rd Floor Training Laboratory**
- 10:45am Dissection of Mammary Glands, Whole Mount Preparation, Whole Mount Analysis**
Amy Moser, Ph.D., University of Wisconsin
Doug Hurst, Ph.D., University of Alabama at Birmingham
- 12:45pm Catered Lunch** (Roscoe's dining room)
- 1:30pm Mammary Gland Palpations, Tumor/Fat Pad/Lymph Node Collection**
Amy Moser, Ph.D., University of Wisconsin
Doug Hurst, Ph.D., University of Alabama at Birmingham
- 3:30pm Break**
- 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

5:15pm ***Van Transports Participants Back to Highseas Conference Center***

6:00pm **Dinner** (*Highseas 1st floor*)

7:00pm **Models of colon cancer** (Highseas 3rd floor)
David Threadgill, Ph.D., Texas A&M University

Monday, August 27, 2018

7:00am **Breakfast** (*Highseas 1st floor*)

8:30am **Predicting colon polyp fate and response to therapy** (Highseas 3rd floor)
Richard Halberg, Ph.D., University of Wisconsin

9:30am ***Van transports participants to GRB 3rd Floor Training Laboratory***

9:45am **Rotating Sessions**
Group 1: Endoscopy techniques
Group 2: Dissection and tumor quantification
David Threadgill, Ph.D. and Anna Salvador, B.S., Texas A & M University,
Richard Halberg, Ph.D., University of Wisconsin, Alyssa Leystra, Ph.D., Fox
Chase Cancer Center

10:45am **Switch Groups**
Group 2: Endoscopy techniques
Group 1: Dissection and tumor quantification
David Threadgill, Ph.D. and Anna Salvador, B.S., Texas A & M University,
Richard Halberg, Ph.D., University of Wisconsin, Alyssa Leystra, Ph.D., Fox
Chase Cancer Center

11:45am **Lunch – Roscoe's**

12:45pm **Organoid cultures and their utility** (GRB 3225 Conference Room)
Alyssa Leystra, Ph.D., Fox Chase Cancer Center
Anna Salvador, B.S., Texas A & M University

1:15pm **Preparation of organoid cultures and Alternative delivery techniques for the colon** (GRB 3245 Lab)
David Threadgill, Ph.D. and Anna Salvador, B.S., Texas A & M University,
Richard Halberg, Ph.D., University of Wisconsin, Alyssa Leystra, Ph.D., Fox
Chase Cancer Center

5:30pm ***Van Transports Participants Back to Highseas Conference Center***

6:00pm **Dinner** (*Highseas 1st floor*)

7:00pm ***Imaging technologies as they relate to cancer research*** (Highseas 3rd floor)
Mohammed Farhoud, M.S., Emit Imaging

Tuesday, August 28, 2018

- 7:00am** **Breakfast** (*Highseas 1st floor*)
- 8:30am** **Models of Lung Cancer** (Highseas 3rd floor)
Katerina Politi, Ph.D., Yale University
- 9:30am** **Translational Value of Mouse Models of Lung Cancer**
Margie Clapper, Ph.D., Fox Chase Cancer Center
- 10:30am** ***Van transports participants to GRB 3rd Floor Training Laboratory***
- 10:45am** **Lung Preparation and Injections**
Margie Clapper, Ph.D., Fox Chase Cancer Center
Katerina Politi, Ph.D., Yale University
- 12:30pm** **Lunch – Roscoe’s**
- 1:30pm** **Intubation and Ventilation**
Margie Clapper, Ph.D., Fox Chase Cancer Center
Katerina Politi, Ph.D., Yale University
- 2:30pm** **Leukemia/Lymphoma Techniques: lymph node dissection, spleen dissection and splenocyte isolation, bone marrow isolation** (GRB 3245 Lab)
Muneer Hasham, Ph.D., and Jane Branca, The Jackson Laboratory
- 5:00pm** ***Van Transports Participants Back to Highseas Conference Center***
- 6:00pm** **Dinner** (*Highseas 1st floor*)

No evening lectures

Wednesday, August 29, 2018

- 7:00am** **Breakfast** (*Highseas 1st floor*)
- 8:00am** ***Van transports participants to GRB 3225 Conference Room***
- 8:15am** **Humanized Mice and PDX** (GRB Conference Room)
Brian Soper, Ph.D., The Jackson Laboratory
- 9:15am** **PDX data collection and analysis** (GRB Conference Room)
TBA
- 10:15am** **Break**
- 10:30am** **Xenografting (Subcutaneous PDX and kidney capsule)** (GRB 3245 Lab)
Bonnie Lyons, D.V.M., Jennifer Corrigan, M.S. and Andree Lapierre, B.S., The Jackson Laboratory

- 12:30pm Lunch – Roscoe’s**
- 1:30pm Models of prostate cancer** (GRB Conference Room)
Chad Venza, Ph.D., University of Wisconsin
Nigel Crawford, Ph.D., Sanofi
- 2:30pm Break**
- 2:45pm Prostate dissection, prostate injection and surgical orchiectomy** (GRB 3245 Lab)
Chad Venza, Ph.D., University of Wisconsin
Nigel Crawford, Ph.D., Sanofi
- 5:30pm *Van Transports Participants Back to Highseas Conference Center***
- 6:00pm Dinner** (*Highseas 1st floor*)
- 7:00pm Participant presentations** (Highseas 3rd floor)

Thursday, August 30, 2018

- 6:00am Optional Hike**
- 9:00am Breakfast** (*Highseas 1st floor*)
- 10:45am *Van transports participants to GRB Conference Room***
- 10:00am Brain cancer models** (GRB Conference Room)
Raquel Sitcheran, Ph.D., Texas A & M Health Science Center
- 11:00am Brain isolation, intracranial injection and perfusion** (GRB 3245 Lab)
Raquel Sitcheran, Ph.D., Texas A & M Health Science Center
Jennifer Corrigan, M.S., The Jackson Laboratory
- 1:00pm Lunch – Roscoe’s**
- 2:00pm Lab Practice Time** (GRB 3245 Lab)
- 4:00pm *Van Transports Participants Back to Highseas Conference Center Center***
- 6:00pm Dinner** (*Highseas 1st floor*)
- 7:00pm Perspectives gained and needed** (Highseas 3rd floor)

Friday, August 31, 2018

Breakfast and departures (Room check-out is 9:00 A.M.)