



The Jackson
Laboratory

The 32nd Annual Short Course on Experimental Models of Human Cancer

Bar Harbor, Maine
August 14-22, 2023

DRAFT Schedule of Activities

Monday, August 14th

- 3:00 pm - 8:00 pm Registration (Highseas, 1st floor)
Participants are not permitted to enter Highseas prior to 3:00 pm.
- 4:30 – 5:00 pm Course Welcome and Introductions (Highseas, 3rd floor)
- 5:00 – 6:00 pm **“The Cancer Concept through the Centuries”** (Highseas, 3rd floor)
Edison Liu, M.D., The Jackson Laboratory (Not confirmed)
- 6:00 – 8:00 pm Welcome Dinner with the JAX Cancer Center (Highseas, 1st floor)

Tuesday, August 15th

- 7:45 – 8:00 am Shuttle from Highseas to The Jackson Laboratory
- 8:00 – 9:00 am Registration and Breakfast
- INTRODUCTION TO CANCER**
- 9:00 – 9:45 am **Talk Title TBD**
Julio Aguirre-Ghiso, Ph.D., Icahn School of Medicine Sinai (Not Confirmed)
- 9:45 – 10:30 am **Talk Title TBD**
Tak Mak, Ph.D., Princess Margaret Cancer Center
- 10:30 – 11:00 am *Break*

11:00 – 11:45 am	Tumor Exosomes and Exomeres Promote Organotropic Metastasis and Systemic Disease David Lyden, M.D., Ph.D., Weill Cornell Medical College (Not Confirmed)
11:45 – 12:45 pm	1:1 Office Hours
12:45 – 1:45 pm	<i>Lunch</i>
1:45 – 2:30 pm	Normalizing the Tumor Microenvironment to Improve Cancer Immunotherapy: Bench to Bedside Rakesh Jain, Ph.D., Harvard Medical School, Massachusetts General Hospital
2:30 – 3:15 pm	Talk Title TBD Ira Mellman, Ph.D., Genentech (Not Confirmed)
3:15 – 4:00 pm	Selective Autophagy: from understanding mechanism to its multifaceted role in cancer Esperanza Arias-Perez, Ph.D., Albert Einstein College of Medicine
4:00 – 4:15 pm	<i>Shuttle from The Jackson Laboratory to Highseas</i>
4:15 – 6:00 pm	<i>Break</i>
6:00 – 8:00 pm	<i>Lobster Dinner (Highseas)</i>

Wednesday, August 16th

8:00 – 8:15 am	Shuttle from Highseas to The Jackson Laboratory
8:15 – 9:00 am	Breakfast
	<u>TUMOR METASTASIS AND DORMANCY</u>
9:00 – 9:45 am	Biology of Minimal Residual Disease M. Soledad Sosa, Ph.D., Icahn School of Medicine at Mount Sinai
9:45 – 10:30 am	Pathways regulating residual disease and recurrence James Alvarez, Ph.D., Fred Hutchinson Cancer Center (Not Confirmed)

10:30 – 11:15 am	Tracking metastatic tumor cells in vivo at high spatiotemporal resolution J. Javier Bravo Cordero, Ph.D., Icahn School of Medicine at Mount Sinai
11:15 – 11:45 am	<i>Break</i>
11:45 – 12:45 pm	Rising Stars Talks
12:45 – 1:45 pm	Lunch with Speakers
1:45 – 3:45 pm	Workshop: Basic Biomethods for the Use of Murine Cancer Models Jennifer Corrigan, M.S., The Jackson Laboratory
3:45 – 5:45 pm	Panel Discussion
5:45 – 6:00 pm	Shuttle from The Jackson Laboratory to Highseas Dinner on your own

Thursday, August 17th

8:00 – 8:15 am	Shuttle from Highseas to The Jackson Laboratory
8:15 – 9:00 am	Breakfast
	<u>TUMOR IMMUNOLOGY</u>
9:00 – 9:45 am	Clinical Cancer Immunotherapy: An introduction Mario Sznol, M.D., Yale School of Medicine
9:45 – 10:30 am	Innate immunity, inflammation, and cancer: double edged swords Alberto Mantovani, M.D., Humanitas
10:30 – 11:00 am	<i>Break</i>
11:00 – 11:45 am	Innate Lymphoid Cells in Immunity Marco Colonna, M.D., Washington University in St. Louis
11:45 – 12:30 pm	Autoimmunity and Cancer Immunology: Informing Each Other through Patient-Oriented Studies Virginia Pascual, M.D., Weill Cornell Medical College (Not Confirmed)

12:30 – 1:30 pm	Lunch with Speakers
1:30 – 2:15pm	How does the gut microbiota influence host immune functions? Dan Littman, M.D., Ph.D., NYU Langone Health
2:15 – 3:30 pm	Advanced Dynamic and Static Optical Imaging Methods for Exploration of Tumor Immune System Interactions Ron Germain, M.D., Ph.D., National Institutes of Health
3:30 – 4:00 pm	<i>Break</i>
4:00 – 4:45 pm	Career Development Session Moses Davis, Ph.D., The Jackson Laboratory (Not Confirmed)
4:45 – 5:00 pm	Shuttle from The Jackson Laboratory to Highseas Dinner on your own

Friday, August 18th

8:00 – 8:15 am	Shuttle from Highseas to The Jackson Laboratory
8:15 – 9:00 am	Breakfast
	<u>TUMOR GENETICS AND GENOMICS</u>
9:00 – 9:45 am	Alternative RNA splicing defects in cancer: molecular and therapeutic insights from model systems Olga Anczukow, Ph.D., The Jackson Laboratory
9:45 – 10:30 am	Epigenetic heterogeneity of leukemia: from epigenetics to therapeutics Sheng Li, Ph.D., The Jackson Laboratory
10:30 – 11:00 am	<i>Break</i>
11:00 – 11:45 am	Talk Title TBD Christine Beck, Ph.D., The Jackson Laboratory
11:45 – 12:45 pm	1:1 Office Hours
12:45 – 1:45 pm	Lunch with Speakers

1:45 – 2:30 pm	How Chronic inflammatory Signaling Impacts Cancer Immunotherapy Response Andy Minn, M.D., Ph.D., University of Pennsylvania
2:30 – 3:15 pm	Molecular biomarkers of response and resistance to PDL1 blockade in clinical settings Romain Banchereau, Ph.D., Genentech
3:15 – 3:45 pm	Break
3:45 – 5:45 pm	Panel Discussion
5:45 – 6:30 pm	<i>Shuttle from The Jackson Laboratory to BH Regency Stone House</i>
6:30 – 8:30 pm	Gala Dinner

Saturday, August 19th

8:00 – 8:15 am	Shuttle from Highseas to The Jackson Laboratory
8:15 – 9:00 am	Breakfast
	<u>CANCER IMMUNOLOGY AND AGING</u>
9:00 – 9:45 am	Talk Title TBD Marcus Bosenberg, M.D., Ph.D., Yale School of Medicine (Not Confirmed)
9:45 – 10:30 am	Talk Title TBD Michael Karin, Ph.D., University of California San Diego
10:30 – 11:00 am	<i>Break</i>
11:00 – 11:45 am	Age related stomal changes drive tumor progression Sheila Stewart, Ph.D., Washington University in St. Louis
11:45 – 12:30 pm	Archetypes of Immunity in Cancer Max Krummel, Ph.D., University of California San Francisco
12:30 – 1:30 pm	Lunch
1:30 – 3:30 pm	Workshop: Muneer Hasham, Ph.D., The Jackson Laboratory

3:30 – 4:15 pm **Talk Title TBD**

4:15 – 5:45pm **Poster Session**

5:45 pm Shuttle from The Jackson Laboratory to Highseas

 Dinner on your own

Sunday, August 20th

8:00 – 8:15 am Shuttle from Highseas to The Jackson Laboratory

8:15 – 9:00 am Breakfast

CANCER MODELS

9:00 – 9:45 am **Human Pancreatic Cancer Insights from Model Systems**
David Tuveson, M.D., Ph.D., Cold Spring Harbor Laboratory

9:45 – 10:30 am **Investigating the Impact of Lymphatic Transport in Immunity and Metastasis**
Amanda Lund, Ph.D., New York University

10:30 – 11:00 am *Break*

11:00 – 11:45 am **Modeling Immune Interactions in The Tumor Microenvironment**
David DeNardo, Ph.D., Washington University in St Louis

11:45 – 12:30 pm **Talk Title TBD**
Gary Ren, Ph.D., The Jackson Laboratory

12:30 – 1:30 pm **Lunch with Speakers**

1:30 – 2:15 pm **Zebrafish Models of Human Cancer: Dissection of Mechanisms of Cancer Cell Dependencies Using Genetic and Chemical Approaches**
Thomas Look, M.D., Harvard Medical School/Dana-Farber Cancer Institute

2:15 – 3:00 pm **Role of Cancer Neoantigens in Naturally- Occurring and Therapeutically Induced Immune Responses to Cancer**
Robert Schreiber, Ph.D., Washington University in St. Louis

3:00 – 3:30 pm *Break*

- 4:30 – 5:30 pm **Career Development Session**
Anna Lisa Lucido, Ph.D., PMP, The Jackson Laboratory
- 5:30 – 5:45 pm Shuttle from The Jackson Laboratory to Highseas
- 6:00 – 7:00 pm Dinner at Highseas

Monday, August 21st

8:00 – 8:15 am Shuttle from Highseas to The Jackson Laboratory

8:15 – 9:00 am Breakfast

COMPUTATIONAL APPROACHES

9:00 – 9:45 am **Classifying Cancers from Images and Sequence Data**
Jeff Chuang, Ph.D., The Jackson Laboratory

9:45 – 10:30 am **The role of Extrachromosomal DNA amplifications in Cancer**
Roel Verhaak, Ph.D., The Jackson Laboratory

10:30 – 11:00 am *Break*

11:00 – 11:45 am **Everything as code**
David van Valen, Ph.D., California Institute of Technology

11:45 – 12:30 pm **Panel Discussion**

12:30 – 1:30 pm **Lunch with Speakers**

1:30 – 3:30 pm **Using cBioPortal for Cancer Genomics Analysis**
Carol Bult, Ph.D., The Jackson Laboratory

3:30 – 3:45 pm *Break*

3:45 – 5:45 pm **Workshop Title TBD**
Jeff Chuang, Ph.D., The Jackson Laboratory

5:45 – 6:00 pm Shuttle from The Jackson Laboratory to Highseas

6:00 – 7:00 pm Dinner at Highseas

Tuesday, August 22nd

8:00 – 8:15 am	Shuttle from Highseas to The Jackson Laboratory
8:15 – 9:00 am	Breakfast
	<u>CANCER CARE DISPARITIES</u>
9:00 – 9:45 am	TBD Lecture
9:45 – 10:30 am	TBD Lecture
10:30 – 11:00 am	Break
11:00 – 11:45 pm	TBD Lecture
11:45 – 12:30 pm	Myeloid cells in regulation of immune responses in cancer Dmitry Gabrilovich, M.D., Ph.D., AstraZeneca
12:30 – 1:30 pm	Lunch with Speakers
1:30 – 2:30 pm	Panel Discussion
2:30 – 4:30 pm	Single Cell Technologies & Application in Cancer Research Paul Robson, Ph.D., The Jackson Laboratory
4:30 pm	Adjourn
4:30 pm	Shuttle from The Jackson Laboratory to Highseas
	Dinner on your own

Wednesday, August 23rd

7:00 – 9:00 am	Grab-and-go Breakfast
9:00 am	Highseas Check Out <i>Participants may remain on the 1st floor until 12:00pm if needed.</i>