



## The 33<sup>rd</sup> Annual Short Course on Experimental Models of Human Cancer

August 4-12, 2024  
Bar Harbor, Maine

### Schedule of Activities

#### Sunday, August 4<sup>th</sup>

Moderators: Karolina Palucka, M.D., Ph.D., The Jackson Laboratory & Brent Berwin, Ph.D., The Jackson Laboratory

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| 3:00 – 5:00 pm | <b>Lodging Check-in for those staying at College of the Atlantic</b><br><i>Participants are not permitted to enter College of the Atlantic prior to 3:00 pm.<br/>105 Eden Street, Bar Harbor, ME</i> |
| 3:00 – 5:00 pm | <b>Course Registration</b><br><i>Bar Harbor Regency -- Stone House<br/>123 Eden Street, Bar Harbor, ME<br/>(The Bar Harbor Regency is a short walk from College of the Atlantic)</i>                 |
| 5:00 – 5:15pm  | <b>Course Welcome and Introductions</b><br>Karolina Palucka, M.D., Ph.D., The Jackson Laboratory   |
| 5:15 – 6:00 pm | <b>Immune checkpoint blockade therapy for cancer</b><br>Jedd Wolchok, M.D., Ph.D., Weill Cornell Medical College   |
| 6:00 – 6:45 pm | <b>Talk Title TBD</b><br>Matthew Vander Heiden, M.D., Ph.D., Broad Institute   |
| 6:45 – 8:00 pm | <b>Welcome Reception Sponsored by the JAX Cancer Center</b><br><i>Bar Harbor Regency -- Stone House</i>  |

#### Monday, August 5<sup>th</sup>

Moderator: Karolina Palucka, M.D., Ph.D., The Jackson Laboratory

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| 7:40 am        | <i>Transportation from College of the Atlantic to The Jackson Laboratory</i>  |
| 7:45 am        | <i>Transportation from The Bar Harbor Regency to The Jackson Laboratory</i>   |
| 8:00 – 9:00 am | <b>Registration and Breakfast</b><br><i>The Jackson Laboratory (600 Main St, Bar Harbor, ME)</i>  |
| 9:00 – 9:45 am | <b>Impact of the Tumor Microenvironment and Inflammation on Tumor Dormancy and Awakening</b><br>Lucia Borriello, Ph.D., Fox Chase Cancer Center |

9:45 – 10:30 am	<b>Experimental Models in Cancer Neuroscience: A New Hallmark of Cancer Towards Clinical Translation</b> Moran Amit, M.D., Ph.D., MD Anderson Cancer Center
10:30 – 11:00 am	<i>Break</i>
11:00 – 11:45 am	<b>RNA mechanisms in cancer</b> Eric Wang, Ph.D., The Jackson Laboratory
11:45 – 12:30 pm	<b>The role of aging in promoting immune-mediated reactivation from metastatic dormancy</b> Mitchell Fane, Ph.D., Fox Chase Cancer Center
12:30 – 1:30 pm	<b>Lunch with Speakers</b> <i>Roscoe's Café</i>
1:30 – 2:15 pm	<b>Selective Autophagy as a Key Player in Cancer Development</b> Esperanza Arias Perez, Ph.D., Albert Einstein College of Medicine
2:15 – 3:00 pm	<b>Talk Title TBD</b> Samir Khleif, M.D., Georgetown University
3:00 – 3:15 pm	<i>Break</i>
3:15 – 4:00 pm	<b>Talk Title TBD</b> David Huntsman, M.D., BC Cancer Research Institute
4:00 pm	<i>Transportation from The Jackson Laboratory to College of the Atlantic and The Bar Harbor Regency</i>
4:00 – 5:30 pm	<i>Free time</i>
5:30 – 6:30 pm	<i>Dinner at College of the Atlantic for participants</i>

## Tuesday, August 6<sup>th</sup>

Moderator: Eric Wang, Ph.D., The Jackson Laboratory

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7:40am	<i>Transportation from College of the Atlantic to The Jackson Laboratory</i>
7:45 am	<i>Transportation from The Bar Harbor Regency to The Jackson Laboratory</i>
8:00 – 9:00 am	<b>Registration and Breakfast</b> <i>The Jackson Laboratory (600 Main St, Bar Harbor, ME)</i>
9:00 – 9:45 am	<b>Replicative senescence and cancer revisited: Metabolic associated steatohepatitis (MASH) generates senescent hepatocytes that serve as hepatocellular carcinoma (HCC) progenitors</b> Michael Karin, Ph.D., UCSD
9:45 – 10:30 am	<b>The textures of the tumor microenvironment: An integrated imaging perspective</b> J. Javier Bravo Cordero, Ph.D., Icahn School of Medicine at Mount Sinai

10:30 – 11:00am	<i>Break</i>
11:00 – 11:45 am	<b>Normalizing the Tumor Microenvironment to Improve Immunotherapy: Bench to Bedside to Biomarkers</b> Rakesh Jain, Ph.D., Harvard Medical School, Massachusetts General Hospital
11:45 – 12:30 pm	<b>Role of stromal cell matrix in the initiation of pancreas cancer</b> David Cheresh, Ph.D., University of California, San Diego
12:30 – 1:30 pm	<b>Lunch with Speakers</b> <i>Roscoe's Cafe</i>
1:30 – 3:30 pm	<b>Workshop: Basic Biomethods for the Use of Murine Cancer Models</b> Biotrain Team, The Jackson Laboratory
3:30 – 5:00 pm	<b>Poster Session</b> <i>Roscoe's Café</i>
5:00 pm	<i>Transportation from The Jackson Laboratory to College of the Atlantic and The Bar Harbor Regency</i>
5:30 – 6:30 pm	<i>Dinner at College of the Atlantic for participants</i>

## Wednesday, August 7<sup>th</sup>

Moderator: [Djamel Nehar-Belaid, Ph.D., The Jackson Laboratory](#)

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7:40 am	<i>Transportation from College of the Atlantic to The Jackson Laboratory</i>
7:45 am	<i>Transportation from The Bar Harbor Regency to The Jackson Laboratory</i>
8:00 – 9:00 am	<b>Registration and Breakfast</b> <i>The Jackson Laboratory (600 Main St, Bar Harbor, ME)</i>
9:00 – 9:45 am	<b>Talk Title TBD</b> Marco Colonna, Ph.D., Washington University in St. Louis
9:45 – 10:30 am	<b>Talk Title TBD</b> Virginia Pascual, M.D., Weill Cornell Medical College
10:30 – 11:00 am	<i>Break</i>
11:00 – 11:45 am	<b>Role of the microbiota, immune and peripheral nervous systems in tumor growth and control</b> Dan Littman, M.D., Ph.D., HHMI, NYU School of Medicine
11:45 – 12:30 pm	<b>Imaging the Tumor Microenvironment</b> Ron Germain, M.D., Ph.D., National Institutes of Health
12:30 – 1:30 pm	<b>Lunch with Speakers</b> <i>Roscoe's Café</i>

1:30 – 2:15pm	<b>An Introduction Clinical Cancer Immunotherapy</b> Mario Sznol, M.D., Yale University, Yale Cancer Center
2:15 – 3:00 pm	<b>Talk Title TBD</b> David Tuveson, M.D., Ph.D., Johns Hopkins University
3:00 pm	Transportation from The Jackson Laboratory to the Bar Harbor Regency
3:30 – 5:00 pm	<b>Panel Discussion</b> Moderated by Jacques Banchemereau, Ph.D., Javelin Biotech and Djamel Nehar-Belaid, Ph.D., The Jackson Laboratory <i>The Bar Harbor Regency – Stone House</i>
5:30 – 6:30 pm	<i>Dinner at College of the Atlantic for participants</i>

## Thursday, August 8<sup>th</sup>

**Moderator:** Brent Berwin, Ph.D., The Jackson Laboratory

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7:40 am	<i>Participants to walk from College of the Atlantic to The Bar Harbor Regency</i>
8:00 – 9:00 am	<b>Registration and Breakfast</b> <i>The Bar Harbor Regency – Stone House</i> <i>123 Eden St, Bar Harbor, ME</i>
9:00 – 9:45 am	<b>Immune checkpoint blockade in preclinical models</b> Taha Merghoub, Ph.D., Weill Cornell Medical College
9:45 – 10:30 am	<b>Macrophage roles in cancer immune suppression</b> Judith Varner, Ph.D., University of California San Diego
10:30 – 11:00 am	<i>Break</i>
11:00 – 11:45 am	<b>Pathologically activated myeloid cells in cancer</b> Dmitry Gabilovich, M.D., Ph.D., AstraZeneca
11:45 – 12:30 pm	<b>Pre-clinical modeling of anti-cancer immune responses</b> Marcus Bosenberg, M.D., Ph.D., Yale School of Medicine
12:30 – 12:35 pm	<b>Group Photo</b>
12:35 – 2:00 pm	<b>Lunch with Speakers</b>
2:00 – 2:45 pm	<b>Inflammatory Memory and the Opposing Roles of Interferon Signaling in Cancer Immunotherapy Resistance</b> Andy Minn, M.D., Ph.D., University of Pennsylvania
2:45 – 3:30 pm	<b>Molecular biomarkers of response and resistance to checkpoint blockade in clinical settings</b> Romain Banchemereau, Ph.D., Genentech
3:30 – 4:00 pm	<i>Break</i>

- 4:00 – 4:45 pm **Talk Title TBD**  
Paul Robson, Ph.D., The Jackson Laboratory
- 4:45 – 5:30 pm *Free Time*
- 5:30 – 6:30 pm *Dinner at College of the Atlantic for Participants*

## Friday, August 9<sup>th</sup>

**Moderators:** [Lucas Chang, Ph.D., The Jackson Laboratory](#) and [Brent Berwin, Ph.D., The Jackson Laboratory](#)

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- 7:40 am *Transportation from College of the Atlantic to The Jackson Laboratory*
- 7:45 am *Transportation from The Bar Harbor Regency to The Jackson Laboratory*
- 8:00 – 9:00 am **Registration and Breakfast**  
*The Jackson Laboratory (600 Main St, Bar Harbor, ME)*
- 9:00 – 9:45 am **Talk Title TBD**  
Silke Paust, Ph.D., The Jackson Laboratory
- 9:45 – 10:30 am **Mitochondrial genome instability as a driver of inflammation in cancer and chemotherapy-related toxicity**  
Phillip West, Ph.D., The Jackson Laboratory
- 10:30 – 11:00 am *Break*
- 11:00 – 11:45 am **T cells with regulatory function**  
Alma Cepika, M.D., Ph.D., Stanford University
- 11:45 – 12:30 pm **Rising Stars Talks**
- 12:30 – 1:30 pm **Lunch with Speakers**  
*Roscoe's Café*
- 1:30 – 2:00 pm **Rising Stars Talks**
- 2:00 – 3:30 pm **Panel Discussion**  
Moderators: Brent Berwin, Ph.D., The Jackson Laboratory and Silke Paust, Ph.D., The Jackson Laboratory
- 3:30 – 5:30 pm **Workshop: Measuring xenografts**  
Muneer Hasham, Ph.D., The Jackson Laboratory
- 3:30 pm *Transportation from The Jackson Laboratory to The Bar Harbor Regency and College of the Atlantic is available for those not participating in the workshop.*
- 5:30 pm *Transportation from The Jackson Laboratory to The Bar Harbor Regency and College of the Atlantic.*

6:30 – 8:00 pm

**JAX Cancer Center Lecture & Dinner Reception featuring Edison Liu, M.D.,  
The Jackson Laboratory**  
*Bar Harbor Regency – Stone House  
123 Eden St, Bar Harbor, ME*

## Saturday, August 10<sup>th</sup>

Moderator: [Ryan Englander, The Jackson Laboratory](#)

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7:40 am

*Transportation from College of the Atlantic to The Jackson Laboratory*

7:45 am

*Transportation from The Bar Harbor Regency The Jackson Laboratory*

8:00 – 9:00 am

**Registration and Breakfast**  
*The Jackson Laboratory (600 Main St, Bar Harbor, ME)*

9:00 – 9:45 am

**Structure and Function of Mammalian SWI/SNF Chromatin Remodeling  
Complexes in Health and Disease**  
Cigall Kadoch, Ph.D., Dana Farber Cancer Institute

9:45 – 10:30 am

**Talk Title TBD**  
Christine Beck, Ph.D., The Jackson Laboratory

10:30 – 11:00 am

*Break*

11:00 – 11:45 am

**Deciphering Cellular Epigenome Heterogeneity and Evolution in Cancer  
within an Aged Ecosystem**  
Sheng Li, Ph.D., The Jackson Laboratory

11:45 – 12:30 pm

**AI and Immunology: Past, Present, and Future**  
John Tsang, Ph.D., MMath, Yale School of Medicine

12:30 – 1:30 pm

**Lunch with Speakers**  
*Roscoe's Café*

1:30 – 2:15 pm

**Dissecting the role of tumor-microenvironment interactions in the  
evolution of diffuse glioma**  
Frederick Varn, Ph.D., The Jackson Laboratory

2:15 – 3:30 pm

**Workshop: cBioPortal**  
Carol Bult, Ph.D., The Jackson Laboratory

2:15 pm

*Transportation from The Jackson Laboratory to The Bar Harbor Regency and  
College of the Atlantic available for those not attending the workshop.*

3:30 pm

*Transportation from The Jackson Laboratory to College of the Atlantic*

3:30 pm

*Free Time*  
*Dinner on your own (No dinner at College of the Atlantic will be served)*

## Sunday, August 11<sup>th</sup>

Moderator: Phillip West, Ph.D., The Jackson Laboratory

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- 7:40 am *Transportation from College of the Atlantic to The Jackson Laboratory*
- 7:45 am *Transportation from The Bar Harbor Regency to The Jackson Laboratory*
- 8:00 – 9:00 am **Registration and Breakfast**  
*The Jackson Laboratory (600 Main St, Bar Harbor, ME)*
- 9:00 – 9:45 am **Studying aging in mice**  
Ron Korstanje, Ph.D., The Jackson Laboratory
- 9:45 – 10:30 am **The lymphatic system and immune trafficking in cancer**  
Amanda Lund, Ph.D., NYU Grossman School of Medicine
- 10:30 – 11:00 am *Break*
- 11:00 – 11:45 am **Age related stromal changes drive tumorigenesis**  
Sheila Stewart, Ph.D., Washington University in St. Louis
- 11:45 – 12:30 pm **Understanding Immune Aging to Improve Breast Cancer Outcomes**  
Sandra McAllister, Ph.D., Brigham & Women's Hospital
- 12:30 – 1:30 pm **Lunch with Speakers**  
*Roscoe's Café*
- 1:30 – 2:15 pm **Understanding and Modeling Cancer in the Context of Old Age**  
Ana Gomes, Ph.D., Moffitt Cancer Center
- 2:15 – 3:00 pm **Talk Title TBD**  
Duygu Ucar, Ph.D., The Jackson Laboratory
- 3:00– 3:30 pm *Break*
- 3:30 – 4:00 pm **Rising Stars Talks**
- 4:00 – 5:30 pm **Panel Discussion**  
Moderators: Phillip West, Ph.D., The Jackson Laboratory and Duygu Ucar, Ph.D., The Jackson Laboratory
- 5:30 pm *Transportation from The Jackson Laboratory to The Bar Harbor Regency*
- 6:00 – 8:00 pm **Lobster Dinner at the Bar Harbor Regency**  
*The Bar Harbor Regency – Stone House*

## Monday, August 12<sup>th</sup>

Moderators: Carol Bult, Ph.D., The Jackson Laboratory and Jeff Chuang, Ph.D., The Jackson Laboratory

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- 7:40 am *Transportation from College of the Atlantic to The Jackson Laboratory*

7:45 am	<i>Transportation from The Bar Harbor Regency to The Jackson Laboratory</i>
8:00 – 9:00 am	<b>Registration and Breakfast</b> <i>The Jackson Laboratory (600 Main St, Bar Harbor, ME)</i>
9:00 – 9:45 am	<b>Health Disparities and Drug Resistance in Prostate and Breast Cancer</b> Valerie Odero-Marah, Ph.D., Morgan State University
9:45 – 10:30 am	<b>Molecular Epidemiology of Triple Negative Breast Cancer in African American Women</b> Luisel Ricks-Santi, Ph.D., University of Florida
10:30 – 11:00 am	<i>Break</i>
11:00 – 11:45 am	<b>Analysis of Cancer Spatial Data</b> Jeff Chuang, Ph.D., The Jackson Laboratory
11:45 – 12:30 pm	<b>Foundation models for cellular image analysis</b> David van Valen, Ph.D., California Institute of Technology
12:30 – 1:30 pm	<b>Lunch with Speakers</b> <i>Roscoe's Café</i>
1:30 – 3:00 pm	<b>Workshop: PDX</b> Jeff Chuang, Ph.D., The Jackson Laboratory
3:00 – 3:30 pm	<i>Break</i>
3:30 – 5:00 pm	<b>Workshop: Experimenting with the Use of Large-Language Models for biomarker identification and prioritization</b> Damien Chaussabel, Ph.D., The Jackson Laboratory
5:00 pm	<b>Adjourn</b> Closing remarks by Karolina Palucka, M.D., Ph.D., The Jackson Laboratory
5:30 pm	<i>Transportation from The Jackson Laboratory to College of the Atlantic and The Bar Harbor Regency</i> <i>Dinner on your own (No dinner at College of the Atlantic will be served)</i>

## Tuesday, August 13<sup>th</sup>

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9:00 am	<i>Check-out for those staying at College of the Atlantic</i>
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