



27th Annual Short Course on Experimental Models of Human Cancer

August 16 – 24, 2018
Bar Harbor, ME

Organizers: Carol Bult, Ph.D.
Lisa Coussens, Ph.D.
Thomas Look, M.D.
Karolina Palucka, M.D., Ph.D.
Charlie Wray, Ph.D.

Event Schedule

For more information, please contact Melissa Johnson: Melissa.johnson@jax.org
Or Deborah Shurberg: Deborah.shurberg@jax.org

Thursday, August 16, 2018

MODERATOR: Karolina Palucka, M.D., Ph.D.

- 2:00pm Course Registration
- 3:00pm Welcome & Introduction, Karolina Palucka, M.D., Ph.D., Charlie Wray, Ph.D. & Students
- 4:00pm Bruce Beutler, M.D. - Keynote Lecture
“Germline mutagenesis with instantaneous resolution of phenotypes”
- 5:00pm Charles Dinarello, M.D. - Keynote Lecture
“Blocking Interleukin-1 from Gout to Cancer”
- 6:00pm Happy Hour – Roscoe’s
- 7:00 pm Barbecue Dinner – Roscoe’s

Friday, August 17, 2018

THEME: Cancer/Immunology

MODERATOR: Karolina Palucka, M.D., Ph.D.

- 8:30am Cyrus Ghajar, Ph.D. – Lecture
“Disseminated Tumor Cell Dormancy and Drug Resistance”
- 9:30am David Lyden, M.D., Ph.D. – Lecture
“TBD”
- 10:30am Break

- 11:00am Jennifer Trowbridge, Ph.D. – Lecture
“TBD”
- 12:00pm Lunch – *Roscoe’s*
- 1:00pm Karolina Palucka, M.D., Ph.D. – Myeloid Primer
“*Introduction to innate immunity*”
- 2:00pm Derya Unutmaz, M.D. – T Cells Primer
“*Human T cells: Deus ex machina in cancer treatment*”
- 3:00pm Break
- 3:30pm Ronald Germain, M.D., Ph.D. - Keynote Lecture
“*Advanced dynamic and static optical imaging methods for exploration of tumor-immune system interactions*”
- 4:30pm Panel Discussion & Students Q&A – Moderated by Karolina Palucka, M.D., Ph.D.
- 6:00pm Happy Hour - *Bar Harbor Regency, Stone Cottage, 123 Eden Street*
- 7:00pm Gala Dinner - *Bar Harbor Regency*

Saturday, August 18, 2018

THEME: Mouse Models

MODERATOR: Ching Lau, M.D., Ph.D.

- 8:30am Ching Lau, M.D., Ph.D. – Lecture
“TBD”
- 9:30am Lenny Schultz, Ph.D. – Lecture
“*Emerging Models of Humanized Mice for Cancer Research*”
- 10:30am Break
- 11:00am Taha Merghoub Ph.D. – Lecture
“TBD”
- 12:00pm Lunch – *Roscoe’s*
- 1:00pm Marcus Bosenberg, M.D., Ph.D. - Lecture
“*Modeling Anti-Cancer Immune Responses in Mice*”
- 2:00pm David Tuveson, M.D., Ph.D. – Lecture
“*Models of Human Pancreatic Cancer Biology and Medicine*”
- 3:00pm Break
- 3:30pm Panel Discussion & Students Q&A
Moderated by Ching Lau, M.D., Ph.D.
- 5:30pm Jedd Wolchok, M.D., Ph.D. – Keynote Lecture
“*Exploring mechanisms for checkpoint blockade*”
- 6:30pm Happy Hour – *Roscoe’s*

7:30pm Dinner – *Roscoe's*

Sunday, August 19, 2018

THEME: Mouse Models

MODERATOR: Olga Anczukow, Ph.D.

8:30am Rakesh Jain, Ph.D.
"Reengineering the tumor microenvironment to enhance cancer treatment: Bench to bedside"

9:30am Alana Welm, Ph.D.
"Mouse models to study metastasis"

10:30am Break

11:00am Thomas Look, M.D.
"TBD"

12:00pm Lunch – *Roscoe's*

1:00pm Jeff Chuang., Ph.D. – Lecture
"Patient derived xenograft models and analysis"

2:00pm Bryan Welm, Ph.D. – Lecture
"Patient-Derived Xenograft Organoids as Models of Therapy Response in Breast Cancer"

3:00pm Break

3:30pm Edison Liu, M.D. – Lecture
"Structural mutations in cancer"

4:30pm Ralph Scully, MBBS, Ph.D. – Lecture
"BRCA-linked breast and ovarian cancer: mechanisms, biomarkers and therapy"

5:30pm Panel Discussion & Students Q&A
Moderated by Olga Anczukow, Ph.D.

6:30pm Happy Hour – *Roscoe's*

7:30pm Dinner – *Roscoe's*

Monday, August 20, 2018

THEME: Genome

MODERATOR: Jeffrey Chuang, Ph.D.

8:30am Roel Verhaak, Ph.D. – Lecture
"Genomic analysis of adult glioma"

9:30am Olga Anczukow, Ph.D. – Lecture
"TBD"

10:30am Break

11:00am Gregory Carter, Ph.D. – Lecture
"Computational Analysis of Complex Genetics in Cancer"

12:00pm Lunch – *Roscoe's*

- 1:00pm Carol Bult, Ph.D. –Workshop
“TBD”
- 3:00pm Break
- 3:30pm Yijun Ruan, Ph.D. –Lecture
“TBD”
- 4:30pm Duygu Ucar, Ph.D. - Lecture
“*Epigenetic dys-regulation of human cells in complex phenotypes*”
- 5:30pm Panel Discussion & Students Q&A
Moderated by Jeffrey Chuang, Ph.D.
- 7:00pm Happy hour with Poster Session and Buffet Dinner - *Bar Harbor Regency, Stone Cottage, 123 Eden Street*

Tuesday, August 21, 2018

THEME: Immunology

MODERATOR: Adam Williams, Ph.D.

- 8:30am Jacques Banchereau, Ph.D. – Lecture
“*RNA isoforms in cancer diagnosis and therapy*”
- 9:30am Adam Williams, Ph.D. – Lecture
“TBD”
- 10:30am Break
- 11:00am Sebastian Amigorena , Ph.D. – Lecture
“TBD”
- 12:00pm Lunch – *Roscoe’s*
- 1:00pm Paul Robson, Ph.D. – Workshop
“*Single Cells Genomics*”
- 4:30pm Webster K. Cavenee, Ph.D. – Keynote Lecture
“TBD”
- 5:30pm Andy Minn, M.D.
“TBD”
- 6:30pm Happy Hour – *Roscoe’s*
- 7:30pm Dinner – *Roscoe’s*
- 8:00pm Jens Reuter, M.D. – Lecture
“*Maine Cancer Genomics Initiative*”

Wednesday, August 22, 2018

THEME: INFLAMMATION

MODERATOR: Jacques Banchereau, Ph.D.

- 9:30am Thomas Gajewski, M.D., Ph.D. – Lecture

“TBD”

- 10:30am Michael Karin, Ph.D. – Lecture
“Immunogenic models of inflammation and metabolic stress - driven hepatocellular carcinoma: new basic insights with implications on clinical practice”
- 11:30am Lunch – Roscoe’s
- 12:30pm Jeffrey Chuang, Ph.D. – Workshop
“Computational analysis of cancer model systems with public datasets”
- Bonnie Lyons, D.V.M. - Workshop
“Xenotransplantation Techniques in the Mouse”
- 2:30pm Break
- 3:00pm Marco Colonna, M.D. - Lecture
“Innate lymphoid cells in immunity”
- 4:00pm Dmitry Gribilovich, M.D., Ph.D. - Lecture
“Myeloid-derived suppressor cells in cancer patients and experimental models of cancer”
- 5:00pm Panel Discussion & Students Q&A– Moderated by Jacques Banchemau, Ph.D.
- 6:00pm Happy Hour – Roscoe’s
- 7:00pm Dinner with *Patient Advocates* – Roscoe’s
Hosted by: Joanne Goodnight
Karen Weingrod
Lori Granato

Thursday, August 23, 2018

THEME: MICROBIOME/IMMUNOLOGY

MODERATOR: Julia Oh, Ph.D.

- 8:30am Dan Littman, M.D., Ph.D. – Keynote Lecture
“How does the gut microbiota influence host immune functions”
- 9:30am Julia Oh, Ph.D. – Lecture
“The microbiome, inflammation, and cancer”
- 10:30am Break
- 11:00am Shannon Turley, Ph.D. – Lecture
“TBD”
- 12:00pm Virginia Pascual, M.D. – Lecture
“TBD”
- 1:00pm Lunch – Roscoe’s
- 2:00pm James Miller, Ph.D. – Workshop
“TBD”
- Peter Robinson, M.D., M.S. – Workshop

“TBD”

5:30pm Panel Discussion & Students Q&A– Moderated by Julia Oh, Ph.D.

7:00pm Lobster Dinner - *Highseas*

Friday, August 24, 2018

THEME: MODELS

MODERATOR: Carol Bult, Ph.D.

8:30am Irving Weissman, M.D. – Keynote Lecture
“Normal and Neoplastic Stem Cells”

9:30am Katerina Politi, Ph.D. – Lecture
“Unraveling the Complexity of Drug Resistance in Lung Cancer”

10:30am Break

11:00am Pier Paolo Pandolfi, M.D., Ph.D. – Lecture
“Modeling cancer in the mouse and its therapeutic implications”

12:00pm Lunch – *Roscoe’s*

1:00pm Adjourn