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 Ghajjar, 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
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
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 Gabrilovich, 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 Banchereau, 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
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