

AACR Translational Cancer Research for Basic Scientists Workshop

October 22-27, 2017

Hilton Boston Back Bay Hotel • Boston, MA

CHAIRS:

George D. Demetri, MD, Dana-Farber Cancer Institute, Boston, MA
Susan Band Horwitz, PhD, Albert Einstein College of Medicine, Bronx, NY
Pasi A. Jänne, MD, PhD, Dana-Farber Cancer Institute, Boston, MA

PROGRAM COMMITTEE:

Peter C. Adamson, MD, The Children's Hospital of Philadelphia, Philadelphia, PA
Maureen Cronin, PhD, Celgene Corporation, San Francisco, CA
Deborah Dunsire, MD, XTuit Pharmaceuticals, Waltham, MA
Keith T. Flaherty, MD, MA General Hospital Cancer Center, Boston, MA
Jennifer R. Grandis, MD, University of California San Francisco, San Francisco, CA
George C. Prendergast, PhD, Lankenau Institute for Medical Research, Wynnewood, PA
Mark E. Robson, MD, Memorial Sloan Kettering Cancer Center, New York, NY

SUNDAY, OCTOBER 22, 2017

3:00-7:30 p.m.

Registration

Pre-Assembly Area (2nd Floor by the Belvidere Ballroom)

5:00-5:30 p.m.

Welcome: A Conversation with the Course Directors

Belvidere Ballroom

George D. Demetri, MD, Dana-Farber Cancer Institute, Boston, MA
Susan Band Horwitz, PhD, Albert Einstein College of Medicine, Bronx, NY

5:30-6:30 p.m.

Opening Keynote Presentation

Belvidere Ballroom

Biomaterials and biotechnology: From the discovery of the first angiogenesis inhibitors to the development of controlled drug delivery systems and the foundation of tissue engineering

Robert S. Langer, ScD, Massachusetts Institute of Technology, Cambridge, MA

6:30-7:00 p.m.

Introductions: Workshop Participants

Belvidere Ballroom

George D. Demetri, MD, Dana-Farber Cancer Institute, Boston, MA
Susan Band Horwitz, PhD, Albert Einstein College of Medicine, Bronx, NY

7:00-7:30 p.m.

Workshop Pre-Test

Belvidere Ballroom

7:30-9:00 p.m.

Opening Reception and Dinner

Westminster

MONDAY, OCTOBER 23, 2017

Chair of the Day: *George D. Demetri, MD, Dana-Farber Cancer Institute, Boston, MA*

7:00-8:00 a.m.

Continental Breakfast
Westminster

8:00-11:30 a.m.

Introduction to Cancer Medicine and Diagnostics
Belvidere Ballroom

8:00-8:45 a.m.

Overview: An introduction to clinical cancer medicine

George D. Demetri, MD, Dana-Farber Cancer Institute, Boston, MA

8:45-9:15 a.m.

Overview of pathology and molecular tools in diagnostics

Lynette M. Sholl, MD, Brigham and Women's Hospital, Boston, MA

9:15-9:45 a.m.

Cancer imaging: The role of imaging in oncology

Lawrence H. Schwartz, MD, Columbia University Medical Center, New York, NY

9:45-10:00 a.m.

Break
Pre-Assembly Area

10:00-10:30 a.m.

Biomarkers and molecular diagnostics: The problem of patient selection

Maureen Cronin, PhD, Celgene Corporation, San Francisco, CA

10:30-11:30 a.m.

Panel discussion and questions: Personalized cancer medicine and what it means in the clinic

11:30 a.m.-12:15 p.m.

Buffet Lunch
Westminster

12:15-5:15 p.m.

Off-Site Laboratory Visits
Dana-Farber Cancer Institute
**Transportation will be provided.*

12:15-1:00 p.m.

Travel time to observational visits

1:00-4:15 p.m.

Off-Site Observational Visits

Surgical Pathology Laboratory tour and discussion

Diagnostic Radiology Laboratory tour and discussion

**Workshop attendees visit both laboratories during the time allotted.*

Schedule:

1:00-2:30 Session 1

2:30-2:45 Switch between labs and brief break

2:45-4:15 Session 2

4:15-5:15 p.m.

Travel time back to hotel

5:15-6:15 p.m.

Group Buffet Dinner

Westminster

***Note that the first appointments for Office Hours overlap with dinner. Those who have Office Hours should plan to arrive at the session room at least 5 minutes before their scheduled time.*

6:00-7:00 p.m.

One-on-One Meetings (“Office Hours”)

Belvidere Ballroom

** Sign-up sheets to schedule a time to speak with particular faculty members will be available at the Registration Desk.*

**If you have signed up for Office Hours, please be prepared and arrive at least 5 minutes before your scheduled time.*

7:15-8:15 p.m.

How Treatment Decisions Are Made

Belvidere Ballroom

George D. Demetri, MD, Dana-Farber Cancer Institute, Boston, MA

Keith T. Flaherty, MD, Massachusetts General Hospital Cancer Center, Boston, MA

Lynette M. Sholl, MD, Brigham and Women's Hospital, Boston, MA

TUESDAY, OCTOBER 24, 2017

Chair of the Day: Mark E. Robson, MD, Memorial Sloan Kettering Cancer Center, New York, NY

7:00-8:00 a.m.

Continental Breakfast

Westminster

8:00-10:30 a.m.

The Environment of Clinical Investigations

Belvidere Ballroom

8:00-8:30 a.m.

Clinical research: An overview

Peter C. Adamson, MD, The Children's Hospital of Philadelphia, Philadelphia, PA

8:30-9:00 a.m.

Human subjects considerations in translational research

Mark E. Robson, MD, Memorial Sloan Kettering Cancer Center, New York, NY

9:00-9:30 a.m.

Protection of human research participants: Evolution of our current system

Lindsay A. McNair, MD, MPH, MSB, WIRB-Copernicus Group, Princeton, NJ

9:30-10:00 a.m.

Group Photo and Break

10:00-10:30 a.m.

Innovations in clinical trials

Donald A. Berry, PhD, University of Texas MD Anderson Cancer Center, Houston, TX

10:45 a.m.-4:00 p.m.

Off-Site IRB Observational Visit

Dana-Farber Cancer Institute

**Transportation will be provided.*

Participants observe a live Institutional Review Board (IRB) session in order to gain insights into issues of protection of human subjects that are at the heart of translational research. One to two weeks beforehand, application titles will be shared with the attendees if possible.

10:45-11:30 a.m.

Board bus and travel to IRB session/Pick up box lunches

11:30 a.m.-12:00 p.m.

Lunch/Overview of IRB

George D. Demetri, MD, Dana-Farber Cancer Institute, Boston, MA

12:00-2:00 p.m.

Observation of live IRB session

2:00-3:00 p.m.

Panel discussion and questions on live IRB session

3:00-4:00 p.m.

Travel time back to hotel

4:00-5:00 p.m.

One-on-One Meetings (“Office Hours”)

Belvidere Ballroom

** Sign-up sheets to schedule a time to speak with particular faculty members will be available at the Registration Desk.*

**If you have signed up for Office Hours, please be prepared and arrive at least 5 minutes before your scheduled time.*

5:15-5:45 p.m.

Orientation/Questions for Cancer Patient Clinic Visits

Belvidere Ballroom

George D. Demetri, MD, Dana-Farber Cancer Institute, Boston, MA

Pasi A. Jänne, MD, PhD, Dana-Farber Cancer Institute, Boston, MA

5:45-6:30 p.m.

Group Buffet Dinner

Westminster

6:30-8:00 p.m.

Small Group Discussion Sessions with Clinician and Patient

Please check at the registration desk for the room you have been assigned to. All rooms are on the 2nd Floor.

Each small group consists of a clinician, a patient, and approximately 10-15 workshop attendees. This provides a comfortable environment and encourages interaction. We ask doctors to share their perspectives as clinicians and researchers, and patients to speak about whatever they feel most comfortable sharing regarding their experiences as patients/clinical trial participants.

WEDNESDAY, OCTOBER 25, 2017

Chair of the Day: *Susan Band Horwitz, PhD, Albert Einstein College of Medicine, Bronx, NY*

7:00-8:00 a.m.

Continental Breakfast

Westminster

8:00 a.m.-12:00 p.m.

Off-Site Patient Clinic Visits

Dana-Farber Cancer Institute

Massachusetts General Hospital

8:00-9:30 a.m.

Board bus, travel to patient clinics, and on-site preparation

9:30-11:30 a.m.

Interactive observational visits to cancer patient clinics

11:30 a.m.-12:00 p.m.

Travel time

12:00-1:00 p.m.

Buffet Lunch

Westminster

1:00-1:30 p.m.

Debriefing and Questions from the Cancer Patient Clinic Visits

Belvidere Ballroom

George D. Demetri, MD, Dana-Farber Cancer Institute, Boston, MA
Pasi A. Jänne, MD, PhD, Dana-Farber Cancer Institute, Boston, MA

1:30-4:00 p.m.

The Research & Development Process

Belvidere Ballroom

1:30-2:15 p.m.

Taxol, tubulin, and tumors: A story of drug development

Susan Band Horwitz, PhD, Albert Einstein College of Medicine, Bronx, NY

2:15-2:45 p.m.

Use of pharmacodynamic biomarkers to inform CDK4/6 inhibitor development

Geoffrey I. Shapiro, MD, PhD, Dana-Farber Cancer Institute, Boston, MA

2:45-3:15 p.m.

Developing new approaches to difficult-to-drug cancer targets

Nathanael S. Gray, PhD, Dana-Farber Cancer Institute, Boston, MA

3:15-3:45 p.m.

Engineered T cells as living drugs

Saar I. Gill, MD, PhD, University of Pennsylvania School of Medicine, Philadelphia, PA

3:45-4:00 p.m.

Panel discussion and questions: Research and development

4:00-4:30 p.m.

Break

Pre-Assembly Area

4:30-6:00 p.m.

Interactive Lab and Demo-cBioPortal: Cancer Genomics and Translational Research

Belvidere Ballroom

The cBioPortal for cancer genomics

Nikolaus Schultz, PhD, Memorial Sloan Kettering Cancer Center, New York, NY

Ethan Cerami, PhD, Dana-Farber Cancer Institute, Boston, MA

6:00 p.m.

Evening Off

THURSDAY, OCTOBER 26, 2017

Chairs of the Day: *Geoffrey R. Oxnard, MD, Dana-Farber Cancer Institute, Boston, MA and George C. Prendergast, PhD, Lankenau Institute for Medical Research, Wynnewood, PA*

7:00-8:00 a.m.

Continental Breakfast

Westminster

8:00 a.m.-12:00 p.m.

Off-Site Patient Clinic Visits

*Dana-Farber Cancer Institute
Massachusetts General Hospital*

8:00-9:30 a.m.

Board bus, travel to patient clinics, and onsite preparation

9:30-11:30 a.m.

Interactive observational visits to cancer patient clinics

11:30 a.m.-12:00 p.m.

Travel time

12:00-1:00 p.m.

Buffet Lunch

Westminster

1:00-4:00 p.m.

Targeted Medicine

Belvidere Ballroom

1:00-1:30 p.m.

TBD

Emmanuelle di Tomaso, Syros Pharmaceuticals, Cambridge, MA

1:30-2:00 p.m.

Controlled proteostasis: Manipulating protein levels as a therapeutic strategy

Craig M. Crews, PhD, Yale University, New Haven, CT

2:00-2:30 p.m.

Break

Pre-Assembly Area

2:30-3:00 p.m.

Genomic analysis of cell-free plasma DNA

Geoffrey R. Oxnard, MD, Dana-Farber Cancer Institute, Boston, MA

3:00-3:30 p.m.

Regulatory science: What are the issues?

Gideon M. Blumenthal, MD, U.S. Food and Drug Administration, Silver Spring, MD

3:30-4:00 p.m.

Panel discussion and questions: Targeted medicine

4:00-4:30 p.m.

Break
Pre-Assembly Area

4:30-5:30 p.m.

Panel Discussion on Entrepreneurship in Translational Research
Belvidere Ballroom

Richard Birkmeyer, PhD, Leading Edge Ventures, Newark, DE
Scott Dessain, MD, PhD, Immunome Inc. and Lankenau Institute for Medical Research, Wynnewood, PA
Charles Link, MD, NewLink Genetics Inc., Ames, IA
George C. Prendergast, PhD, Lankenau Institute for Medical Research, Wynnewood, PA
Nigel Webb, PhD, RiboNova, Wynnewood, PA

5:30-6:30 p.m.

Dinner
Westminster

6:30-8:00 p.m.

Special Seminar and Group Discussion: Unleashing the Power of Immune System—Focus on Translational Immunology
Belvidere Ballroom

From basic science to cancer immunotherapy: T-cell mediated antitumor immunity

Kai W. Wucherpennig, MD, PhD, Dana-Farber Cancer Institute, Boston, MA

Immunologic checkpoint blockade: Exploring combinations and mechanisms

Jedd D. Wolchok, MD, PhD, Memorial Sloan Kettering Cancer Center, New York, NY

FRIDAY, OCTOBER 27, 2017

Chair of the Day: *Pasi A. Jänne, MD, PhD, Dana-Farber Cancer Institute, Boston, MA*

7:00-8:00 a.m.

Continental Breakfast
Westminster

8:00-10:45 a.m.

Translating Differently
Belvidere Ballroom

8:00-8:40 a.m. (30 min presentation + 10 min Q&A)

EGFR mutant lung cancer: From clinic to bench to back to clinic

Pasi A. Jänne, MD, PhD, Dana-Farber Cancer Institute, Boston, MA

8:40-9:20 a.m. (30 min presentation + 10 min Q&A)

Precision head and neck cancer medicine

Jennifer R. Grandis, MD, University of California San Francisco, San Francisco, CA

9:20-10:00 a.m. (30 min presentation + 10 min Q&A)

Breast tumor evolution

Kornelia Polyak, MD, PhD, Dana-Farber Cancer Institute, Boston, MA

10:00-10:40 a.m. (30 min presentation + 10 min Q&A)

Addressing clonal heterogeneity with personalized neoantigen-targeting vaccines

Catherine J. Wu, MD, Dana-Farber Cancer Institute, Boston, MA

10:45-11:00 a.m.

Closing Remarks

Belvidere Ballroom

Susan Band Horwitz, Albert Einstein College of Medicine, Bronx, NY

Pasi A. Jänne, MD, PhD, Dana-Farber Cancer Institute, Boston, MA

11:00 a.m.-12:00 p.m.

Post-Test and Evaluation

Belvidere Ballroom

12:15 p.m.

Attendee Departure

Collection of evaluations

**Please turn in your Post-Assessment test and Evaluation at the AACR registration desk.*