

AACR Translational Cancer Research for Basic Scientists Workshop

November 17-22, 2019

Hilton Boston Back Bay Hotel • Boston, MA

Course Directors:

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
Ryan B. Corcoran MD, PhD, Massachusetts General Hospital, Boston, MA
Lisa M. Coussens, PhD, OHSU Knight Cancer Institute, Portland, OR
Maureen T. Cronin, PhD, HTG Molecular Diagnostics, Inc., Tucson, AZ
Laurie H. Glimcher, MD, Dana-Farber Cancer Institute, Boston, MA
Jennifer R. Grandis, MD, University of California San Francisco, San Francisco, CA
Jennifer Guerriero, PhD, Dana-Farber Cancer Institute, Boston, MA
Geoffrey R. Oxnard, MD, Dana-Farber Cancer Institute, Boston, MA
Mark E. Robson, MD, Memorial Sloan Kettering Cancer Center, New York, NY

SUNDAY, NOVEMBER 17, 2019

2:00-7:30 p.m.

Registration

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

4:00-4:30 p.m.

Welcome: A Conversation with the Course Directors

Belvidere Ballroom

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

4:30-6:00 p.m.

Workshop Alumni Panel - From Bench to Bedside: How to Translate a Basic Science Study to the Clinic

Abena Agyeman, PhD, U.S. Food and Drug Administration, Silver Spring, MD

Hua Fang, PhD, AbbVie Inc., Redwood City, CA

Aime Franco, PhD, Children's Hospital of Philadelphia, Philadelphia, PA

Daotai Nie, PhD, Southern Illinois University School of Medicine, Springfield, IL

6:00-7:00 p.m.

Opening Keynote Presentation

Belvidere Ballroom

New insights in technology in the future of translation

Phillip A. Sharp, PhD, David H. Koch Institute for Integrative Cancer Research at MIT, Cambridge, MA

7:00-7:30 p.m.

Introductions: Workshop Participants

Belvidere Ballroom

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

7:30-9:00 p.m.

Opening Reception and Dinner

Westminster/Pre Assembly Area

MONDAY, NOVEMBER 18, 2019

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

8:00-8:30 a.m.

Pre-Test (required)

Belvidere Ballroom

8:30-11:00 a.m.

The Environment of Clinical Investigations

Belvidere Ballroom

8:30-9:00 a.m.

Clinical research: An overview

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

9:00-9:30 a.m.

Ethical conduct of translational research

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

9:30-10:00 a.m.

Protection of human research participants

Alison Bateman-House, PhD, MPH, MA NYU School of Medicine, New York, NY

10:00-10:30 a.m.

Why quantitative reasoning is important in translational cancer research

Mimi Kim, ScD, Albert Einstein College of Medicine, New York, NY

10:30-11:00 a.m.

Panel discussion and questions on the Environment of Clinical Investigations

11:00 a.m.-12:15 p.m.	Buffet Lunch <i>Westminster</i>
12:20 p.m.	Meet by hotel side entrance to board the bus
12:30-5:00 p.m.	Off-Site Laboratory Visits <i>Dana-Farber Cancer Institute</i> <i>*Transportation will be provided.</i>
	<u>12:30-1:00 p.m.</u> Travel time to observational visits
	<u>1:00-4:15 p.m.</u> <i>Off-Site Observational Visits</i> Surgical Pathology Laboratory tour and discussion Diagnostic Radiology Laboratory tour and discussion <i>*Workshop attendees visit both laboratories during the time allotted.</i>
	Schedule: 1:00-2:30 Session 1 2:30-2:45 Switch between labs and brief break 2:45-4:15 Session 2
	<u>4:15-5:00 p.m.</u> Travel time back to hotel
5:00-6:00 p.m.	Group Buffet Dinner <i>Westminster</i>
[5:30-7:00 p.m.]	Study Design Track Meeting (Groups A and B) <i>**Those who are in the Study Design Track Meeting will not participate in the One-on-One Meetings.</i>
6:00-7:00 p.m.	One-on-One Meetings (“Office Hours”) <i>Belvidere Ballroom</i> <i>* Sign-up sheets to schedule a time to speak with available faculty members will be located at the Registration Desk.</i> <i>*If you have signed up for Office Hours, please be prepared and arrive at least 5 minutes before your scheduled time.</i>
7:00-8:00 p.m.	Keynote Presentation: Unleashing the Power of Immune System—Focus on Translational Immunology <i>Belvidere Ballroom</i>

Carl H. June, MD, University of Pennsylvania, Philadelphia, PA

TUESDAY, NOVEMBER 19, 2019

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.

Introduction to Cancer Medicine and Diagnostics
Belvidere Ballroom

8:00-8:45 a.m.

Overview: An introduction to clinical cancer medicine

Geoffrey R. Oxnard, 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

9:45-10:15 a.m.

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

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

10:15-11:00 a.m.

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

11:00-11:15 a.m.

Break

11:15 a.m. – 2:00 p.m.

Lunch and Human Subject Research Protections session
Belvidere Ballroom

Participants will gain insights into the role of the Institutional Review Board (IRB) in the ethical and regulatory oversight of human research and will explore issues of the protection of human subjects that are at the heart of translational research. Small groups of participants will serve as mock IRBs and will apply the ethical principles of the Belmont Report and the federal regulatory criteria to specific research projects and informed consent documents.

11:15 a.m.

Pick up buffet lunch and bring to session room

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

Overview of IRB

Geoffrey R. Oxnard, MD, Dana-Farber Cancer Institute, Boston, MA
Alison Bateman-House, PhD, MPH, MA, NYU School of Medicine, New York, NY

12:00-2:00 p.m.

Human Subject Research Protections interactive session

Yvonne Higgins, WIRB-Copernicus Group, Cary, NC

2:00-2:30 p.m.

Special Presentation

Development of biomarker-based combinatorial strategies to address PARP inhibitor resistance

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

2:30 – 3:00 p.m.

Orientation/Questions for Cancer Patient Clinic Visits

Belvidere Ballroom

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

2:30-4:00 p.m.

Free Time

[3:00-4:30 p.m.]

Study Design Track Meeting

***Those who are in the Study Design Track Meeting will not participate in the One-on-One Meetings.*

4:00-5:30 p.m.

One-on-One Meetings (“Office Hours”)

Belvidere Ballroom

** Sign-up sheets to schedule a time to speak with available faculty members will be located 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.*

5:30-6:30 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, NOVEMBER 20, 2019

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

7:30-8:30 a.m.

Continental Breakfast

Westminster

8:35 a.m.

Meet by hotel side entrance to board the bus

8:45 a.m.-12:00 p.m.

Off-Site Patient Clinic Visits

Dana-Farber Cancer Institute

Massachusetts General Hospital

8:45-9:30 a.m.

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

1:00-3:45 p.m.

The Research & Development Process

Belvidere Ballroom

1:00-1:45 p.m.

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

Susan Band Horwitz, PhD, Albert Einstein Medical College, Bronx, NY

1:45- 2:15 p.m.

Targeting tumor associated macrophages for anti-cancer therapy

Jennifer Guerriero, PhD, Dana-Farber Cancer Institute, Boston, MA

2:15-2:45 p.m.

Translational cancer research in drug development

Ellen Filvaroff, PhD, Celgene Corporation, San Francisco, CA

2:45-3:15 p.m.

Chance favors the prepared mind in oncology drug development

Eric H. Rubin, MD, Merck & Co., Inc., North Wales, PA

3:15-3:45 p.m.

Panel discussion and questions: Research and development

3:45-4:15 p.m.

Break

Pre-Assembly Area

4:15-6:15 p.m.

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

Belvidere Ballroom

Introduction to cBioPortal for cancer genomics

Tali Mazor, PhD, Dana-Farber Cancer Institute, Boston, MA

Advanced cBioPortal for cancer genomics

Ino de Bruijn, MS, Memorial Sloan Kettering Cancer Center, New York, NY

6:15 p.m.

Evening Off

THURSDAY, NOVEMBER 21, 2019

Chair of the Day: Maureen T. Cronin, PhD, HTG Molecular Diagnostics, Inc. Tucson, AZ

7:30-8:30 a.m.

Continental Breakfast

Westminster

8:35 a.m.

Meet by hotel side entrance to board the bus

8:45 a.m.-12:00 p.m.

Off-Site Patient Clinic Visits

Dana-Farber Cancer Institute

Massachusetts General Hospital

8:45-9:30 a.m.

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

12:00-1:30 p.m.

Buffet Lunch

Westminster

1:30-3:30 p.m.

Targeted Medicine

Belvidere Ballroom

1:30-2:00 p.m.

Genomic analysis of cell-free plasma DNA

Ryan B. Corcoran MD, PhD, Massachusetts General Hospital, Boston, MA

2:00-2:30 p.m.

Regulatory science: What are the issues?

Chana Weinstock, MD, Food and Drug Administration, Silver Spring, MD

2:30-3:00 p.m.

Biomarkers and molecular diagnostics: Matching patients to therapeutic options

Maureen T. Cronin, PhD, HTG Molecular Diagnostics, Inc. Tucson, AZ

3:00-3:30 p.m.

Panel discussion on Targeted Medicine

3:30-4:00 p.m.

Break

Pre-Assembly Area

4:00-5:30 p.m.

Entrepreneurship in Translational Research and Careers in Industry (Panel Discussion)

Belvidere Ballroom

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

Tarangini Deshpande, PhD, NuMedii, San Mateo, CA

Uciane Scarlett, Oxford Sciences Innovation, Oxford, United Kingdom

Maureen T. Cronin, PhD, HTG Molecular Diagnostics, Inc. Tucson, AZ

5:30-6:30 p.m.

Dinner

Westminster

6:30-7:30 p.m.

How Treatment Decisions Are Made

Belvidere Ballroom

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

Adrián Mariño Enríquez, MD, PhD, Brigham and Women's Hospital, Boston, MA

FRIDAY, NOVEMBER 22, 2019

Chair of the Day: Jennifer R. Grandis, MD, University of California San Francisco, San Francisco, CA

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)

Precision Breast Cancer Care: Translation for "All of Us"

Olufunmilayo I. Olopade, MD, University of Chicago Medical Center, Chicago, IL

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)

Targeting DUBs for cancer therapy

Sara J. Buhrlage, PhD, Dana-Farber Cancer Institute, Boston, MA

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

AACR's Project GENIE: Genomics to phenomics

Deborah Schrag, MPH/MD, Dana-Farber Cancer Institute, Boston, MA

10:45-11:45 a.m.

Closing Keynote

Belvidere Ballroom

ER Stress Reprograms the Tumor Microenvironment

Laurie H. Glimcher, MD, Dana-Farber Cancer Institute, Boston, MA

11:45-12:00 p.m.

Closing Remarks

Belvidere Ballroom

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

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

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

Post-Test

Belvidere Ballroom

12:30 p.m.

Attendee Departure