AACR Translational Cancer Research for Basic Scientists Workshop
September 18-23, 2016
Hilton Boston Back Bay Hotel • Boston, Massachusetts

CHAIRPERSONS:
Tom Curran, PhD, Children’s Mercy Hospital, Kansas City, Missouri
George D. Demetri, MD, Dana-Farber Cancer Institute, Boston, Massachusetts
Pasi A. Jänne, MD, PhD, Dana-Farber Cancer Institute, Boston, Massachusetts

PROGRAM COMMITTEE:
Peter C. Adamson, The Children's Hospital of Philadelphia, Philadelphia, Pennsylvania
Suzanne J. Baker, PhD, St. Jude's Research Hospital, Memphis, Tennessee
Alexis Borisy, Third Rock Ventures, LLC, Boston, Massachusetts
Keith T. Flaherty, MD, Massachusetts General Hospital Cancer Center, Boston, Massachusetts
Susan Band Horwitz, PhD, Albert Einstein College of Medicine, Bronx, New York
George C. Prendergast, PhD, Lankenau Institute for Medical Research, Wynnewood, Pennsylvania
Mark E. Robson, MD, Memorial Sloan Kettering Cancer Center, New York, New York

SUNDAY, SEPTEMBER 18, 2016

3:00-7:30 p.m.  Registration
Pre-Assembly Area (2nd Floor by the Belvidere Ballroom)

5:00-6:00 p.m.  Welcome and Introductions:
A Conversation and Open Forum with the Course Directors
Belvidere Ballroom

Tom Curran, PhD
Children's Mercy Hospital, Kansas City, Missouri

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

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

6:00-6:30 p.m.  Pre-Assessment
Belvidere Ballroom

6:30-7:30 p.m.  Opening Keynote Presentation
Belvidere Ballroom

James E. Bradner, MD
Novartis, Cambridge, MA

7:30-9:00 p.m.  Opening Reception and Dinner
Westminster
Monday, September 19, 2016

Chairperson of the Day: Maureen Cronin, PhD, Celgene Corporation, San Francisco, California

7:00-8:00 a.m. Continental Breakfast
Westminster

8:00-11:30 a.m. Introduction to Cancer Medicine and Diagnostics I
Belvidere Ballroom

8:00-8:45 a.m.
Overview: An introduction to clinical cancer medicine
George D. Demetri, MD
Dana-Farber Cancer Institute, Boston, Massachusetts

8:45-9:15 a.m.
Overview of pathology and molecular tools in diagnostics
Lynette M. Sholl, MD
Brigham and Women's Hospital, Boston, Massachusetts

9:15-9:45 a.m. Group Photo and Break

9:45-10:15 a.m.
Biomarkers and molecular diagnostics: The problem of patient selection
Maureen Cronin, PhD
Celgene Corporation, San Francisco, California

10:15-10:45 a.m.
Clinical research: An overview
Peter C. Adamson, MD
The Children's Hospital of Philadelphia, Philadelphia, Pennsylvania

10:45-11:30 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. Offsite 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.
Offsite 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. 
**Panel Discussion: Getting Started in Translational Research** 
*Belvidere Ballroom*  

Maureen Cronin, PhD, Celgene Corporation, San Francisco, California  
Keith T. Flaherty, MD, Massachusetts General Hospital Cancer Center, Boston, Massachusetts  
R. Coleman Lindsley, MD, PhD, Dana-Farber Cancer Institute, Boston, Massachusetts

**TUESDAY, SEPTEMBER 20, 2016**

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

7:00-8:00 a.m.  
**Continental Breakfast**  
*Westminster*

8:00-8:30 a.m.  
**Introduction to Cancer Medicine and Diagnostics II**  
*Belvidere Ballroom*  

*Cancer imaging: The role of imaging in oncology*  
Lawrence H. Schwartz, MD  
Columbia University Medical Center, New York, New York
8:30-10:30 a.m. The Environment of Clinical Investigations

Belvidere Ballroom

8:30-9:00 a.m.
Human subjects considerations in designing translational research projects
Mark E. Robson, MD
Memorial Sloan Kettering Cancer Center, New York, New York

9:00-9:30 a.m.
Reviewing, approving, and managing research involving human subjects
Michele Russell-Einhorn, JD
Schulman IRB, Cincinnati, OH

9:30-10:00 a.m.
The role of variability
Donna S. Neuberg, DSc
Dana-Farber Cancer Institute, Boston, Massachusetts

10:00-10:30 a.m.
EGFR mutant lung cancer: A model for personalized cancer therapy
Pasi A. Jänne, MD, PhD
Dana-Farber Cancer Institute, Boston, Massachusetts

10:45 a.m.-4:00 p.m. Offsite 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, Massachusetts

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
4:00-5:30 p.m. One-on-One Meetings ("Office Hours")
* 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.

5:30-6:30 p.m. Group Buffet Dinner
* Westminster

6:30-8:00 p.m. Mock Tumor Board: How Treatment Decisions Are Made
* Belvidere Ballroom

George D. Demetri, MD, Dana-Farber Cancer Institute, Boston, Massachusetts
Keith T. Flaherty, MD, Massachusetts General Hospital Cancer Center, Boston, Massachusetts
Pasi A. Jänne, MD, PhD, Dana-Farber Cancer Institute, Boston, Massachusetts

WEDNESDAY, SEPTEMBER 21, 2016
Chairperson of the Day: Susan Band Horwitz, PhD, Albert Einstein College of Medicine, Bronx, New York

6:45-7:30 a.m. Continental Breakfast
* Westminster
  * It is important that we remain on schedule to arrive at the clinics on time. Please feel free to bring food and drink into the session room if needed.

7:30-8:00 a.m. Orientation/Questions for Cancer Patient Clinic Visits
* Belvidere Ballroom

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

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

1:00-3:30 p.m.  
**The Research & Development Process**  
*Belvidere Ballroom*

1:00-1:45 p.m.  
**Story of Taxol**  
*Susan Band Horwitz, PhD*  
Albert Einstein Medical College, Bronx, New York

1:45-2:15 p.m.  
**Development of mutant IDH2 inhibitors: From concept to patients**  
*Chris Bowden, MD*  
Agios Pharmaceuticals, Cambridge, Massachusetts

2:15-2:45 p.m.  
**Acapreneurial research: A more inventive and impactful environment for biomedical research**  
*George C. Prendergast, PhD*  
Lankenau Institute for Medical Research, Wynnewood, Pennsylvania

2:45-3:15 p.m.  
**Developing prototype drugs in academia: EGFR, Cdk7, Her3 and RAS**  
*Nathanael S. Gray, PhD*  
Dana-Farber Cancer Institute, Boston, Massachusetts

3:15-3:30 p.m.  
**Panel discussion and questions: Research and development**

3:30-4:00 p.m.  
**Break**

4:00-5:30 p.m.  
**Interactive Lab and Demo-cBioPortal: Cancer Genomics and Translational Research**  
*Belvidere Ballroom*

4:00-5:30 p.m.  
**The cBioPortal for cancer genomics**  
*Nikolaus Schultz, PhD*, Memorial Sloan Kettering Cancer Center, New York, New York  
*Ethan Cerami, PhD*, Dana-Farber Cancer Institute, Boston, Massachusetts

5:30-6:30 p.m.  
**Group 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.

**THURSDAY, SEPTEMBER 22, 2016**

*Chairperson of the Day: Kornelia Polyak, MD, PhD, Dana-Farber Cancer Institute, Boston, Massachusetts*

6:45-7:30 a.m.  **Continental Breakfast**  
*Westminster*

*It is important that we remain on schedule to arrive at the clinics on time. Please feel free to bring food and drink into the session room if needed.*

7:30-8:00 a.m.  **Orientation/Questions for Cancer Patient Clinic Visits**  
*Belvidere Ballroom*

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

8:00 a.m.-12:00 p.m.  **Offsite 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.  
*Genomic analysis of cell-free plasma DNA*  
**Geoffrey R. Oxnard, MD**  
Dana-Farber Cancer Institute, Boston, Massachusetts

1:30-2:00 p.m.  
*Clinical and functional relevance of breast tumor heterogeneity*  
**Kornelia Polyak, MD, PhD**  
Dana-Farber Cancer Institute, Boston, Massachusetts

2:00-2:30 p.m.  **Break**
2:30-3:00 p.m.  
*Addressing clonal heterogeneity with personalized neoantigen-targeting vaccines*  
**Catherine J. Wu, MD**  
Dana-Farber Cancer Institute, Boston, Massachusetts

3:00-3:30 p.m.  
*Targeting epigenetic therapies: Fitting EZH2 inhibitors into pockets of disease*  
**Peter Ho, MD, PhD**  
Epizyme, Cambridge, Massachusetts

3:30-4:00 p.m.  
*Panel Discussion and Questions: Targeted Medicine*

4:00-4:30 p.m.  
*Break*

4:30-5:30 p.m.  
*Panel Discussion on Entrepreneurship in Translational Research*  
**Belvidere Ballroom**  
**Alexis Borisy**, Third Rock Ventures, LLC, Boston, Massachusetts  
**Katrine Bosley**, Editas Medicine, Cambridge, MA  
**George C. Prendergast**, Lankenau Institute for Medical Research, Wynnewood, Pennsylvania  
**Nancy Simonian**, Syros Pharmaceuticals, Cambridge, Massachusetts

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**  
*Facilitator: Susan Band Horwitz, PhD, Albert Einstein College of Medicine, Bronx, New York*

*From Basic Science to Cancer Immunotherapy*  
**Kai W. Wucherpfennig, MD**  
Dana-Farber Cancer Institute, Boston, Massachusetts

*PD-1 blockade: cancer immunotherapy meets precision medicine*  
**Suzanne L. Topalian, MD**  
Johns Hopkins Kimmel Comprehensive Cancer Center, Baltimore, MD
FRIDAY, SEPTEMBER 23, 2016

Chairperson of the Day: Pasi A. Jänne, MD, PhD, Dana-Farber Cancer Institute, Boston, Massachusetts

7:00-8:00 a.m.  Continental Breakfast
Westminster

8:00-9:45 a.m.  Translating Differently
Belvidere Ballroom

  8:00-8:30 a.m.
  Precision medicine for all
  Olufunmilayo I. Olopade, MD
  University of Chicago Medical Center, Chicago, Illinois

  8:30-9:00 a.m.
  Advancing CRISPR medicines: Challenges and solutions
  Vic Myer, PhD
  Editas Medicine, Cambridge, Massachusetts

  9:00-9:45 a.m.
  Panel Discussion

9:45-10:00 a.m.  Closing Remarks
Belvidere Ballroom

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

10:00-11:00 a.m.  Post-Assessment and Evaluation
Belvidere Ballroom

11:15 a.m.  Attendee Departure
Collection of Evaluations

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