



25th Annual AACR Workshop

# Molecular Biology in Clinical Oncology

July 24-31, 2016 | Snowmass Village, CO

APPLY TODAY!

**AACR**  
American Association  
for Cancer Research

## MOLECULAR BIOLOGY IN CLINICAL ONCOLOGY WORKSHOP July 24 – July 31, 2016 Viceroy Snowmass, Snowmass Village, Colorado

### SCIENTIFIC PROGRAM AND LABORATORY SCHEDULE

#### Sunday, July 24

- 2:00 p.m.–5:00 p.m. Registration
- 5:30 p.m.–6:00 p.m. **Introductory Remarks and Overview**  
Mark W. Geraci, Indiana University, Indianapolis, IN
- 6:00 p.m.– 6:30 p.m. Workshop Pre-Test
- 6:30 p.m.–7:30 p.m. **Keynote Lecture**  
**Cancer Target Discovery: How Not to Be Wrong**  
William G. Kaelin, Jr., Dana-Farber Cancer Institute, Boston, MA
- 7:30 p.m.–9:30 p.m. Opening Reception and Dinner

#### Monday, July 25

- 7:00 a.m.–8:00 a.m. Breakfast
- 8:00 a.m.–9:00 a.m. **Tutorial: Grant Writing Introduction**  
Levi A. Garraway, Dana-Farber Cancer Institute, Boston, MA
- 9:00 a.m.–10:00 a.m. **Tutorial: Cancer Model Systems**  
David A. Tuveson, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY
- 10:00 a.m.–10:20 a.m. Break
- 10:20 a.m.–11:10 a.m. **Mechanisms of Drug Resistance**  
Charles L. Sawyers, Memorial Sloan Kettering Cancer, New York, York, NY
- 11:10 a.m.–12:30 p.m. **Grant Group Discussions 1**
- 12:30 p.m.–1:30 p.m. Lunch
- 1:35 p.m.–1:50 p.m. Group Photo
- 1:50 p.m.–2:15 p.m. **Introduction to Laboratory Sessions**
- 2:15 p.m.–5:15 p.m. **Laboratory Sessions Rotation 1**

**Laboratory 1:** Tools for Successful Gene Expression Analysis: From RNA to Real-Time RT-PCR

**Laboratory 2:** From Proteins to Proteomics: Protein Purification, Fractionation, and System-wide Characterization

**Laboratory 3:** Next Generation Sequencing: An Introduction and Applications for Oncology

**Laboratory 4:** Using Genomics and Bioinformatics in Cancer Research

**Laboratory 5:** CRISPR/Cas9: The Genome Editing Revolution

**Tuesday, July 26**

- 7:00 a.m.–8:00 a.m. Breakfast
- 8:00 a.m.–8:50 a.m. **Engineering T Cells: Lessons from Extreme Patients**  
Carl H. June, Abramson Cancer Center of University of Pennsylvania, Philadelphia, PA
- 8:50 a.m.–9:40 a.m. Title to be announced  
W. Nicholas Haining, Dana-Farber Cancer Institute, Boston, Massachusetts
- 9:40 a.m.–10:00 a.m. Break
- 10:00 a.m.–10:50 a.m. **From Cancer Vulnerabilities to Therapeutic Discovery**  
William R. Sellers, Novartis Institutes for BioMedical Research, Cambridge, MA
- 10:50 a.m.–12:15 p.m. **Grant Group Discussion 2**
- 12:15 p.m.–1:15 p.m. Lunch
- 1:15 p.m.–2:05 p.m. Title to be announced  
Levi A. Garraway, Dana-Farber Cancer Institute, Boston, MA
- 2:15 p.m.–5:15 p.m. **Laboratory Sessions Rotation 2**
- 6:00 p.m.–7:30 p.m. Barbecue

**Wednesday, July 27**

- 7:00 a.m.–8:00 a.m. Breakfast
- 8:00 a.m.–11:00 a.m. **Laboratory Sessions Rotation 3**
- 11:30 a.m.–12:00 p.m. **Funding Opportunities for Physician-Scientists**  
Ming Lei, National Cancer Institute, Rockville, MD
- 12:00 p.m.–1:00 p.m. Lunch
- 1:00 p.m.–1:50 p.m. **Translational Clinical Research Based on Signaling Studies**  
Jean Y. Tang, Stanford University School of Medicine, Redwood City, CA
- 1:50 p.m.–2:40 p.m. **Identifying New Pediatric Cancer Targets and Therapeutic Approaches with Integrative Genomics**  
Kimberly Stegmaier, Dana-Farber Cancer Institute, Boston, MA

- 2:40 p.m.–4:00 p.m. **Faculty Office Hours** and Coffee Break
- 4:00 p.m.–4:50 p.m. **Juvenile Myelomonocytic Leukemia: From Bedside to Bench and Back**  
Mignon L. Loh, University of California, San Francisco, San Francisco, CA
- 4:50 p.m.–5:40 p.m. **Uncovering the Genetic Basis of Leukemia**  
Lucy A. Godley, University of Chicago, Chicago, IL

**Thursday, July 28**

**FREE DAY**

(No lectures or laboratory sessions)

**Friday, July 29**

- 7:00 a.m.–8:00 a.m. Breakfast
- 8:00 a.m.–11:00 a.m. **Laboratory Sessions Rotation 4**
- 11:00 a.m.–12:30 p.m. **Grant Group Discussions 3**
- 12:30 p.m.– 2:00 p.m. Trainees: Free Time / Lunch on Own  
Faculty: Meeting / Lunch
- 2:00 p.m.–3:00 p.m. **Career Development Panel**
- 3:00 p.m.–3:50 p.m. **Molecular Imaging of Prostate Cancer**  
Robert E. Reiter, University of California, Los Angeles, Los Angeles, CA
- 3:50 p.m.–4:40 p.m. **Clinical Trials to Address Disease Heterogeneity**  
Monica Bertagnolli, Brigham & Women's Hospital, Boston, MA
- 4:40 p.m.–5:00 p.m. Break
- 5:00 p.m.–5:30 p.m. **Responsible Conduct of Research Lecture**  
Mark W. Geraci, Indiana University, Indianapolis, IN
- 5:30 p.m.–6:20 p.m. **Pancreatic Cancer Science and Medicine**  
David A. Tuveson, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY

**Saturday, July 30**

- 7:00 a.m.–8:00 a.m. Breakfast
- 8:00 a.m.–11:00 a.m. **Laboratory Sessions Rotation 5**
- 11:00 a.m.–12:15 p.m. **Faculty Office Hours**
- 12:15 p.m.–1:15 p.m. Lunch on Own
- 1:15 p.m.–2:05 p.m. Title to be announced  
Mark W. Geraci, Indiana University, Indianapolis, IN

2:15 p.m.–2:45 p.m.      Workshop Post-Test  
2:45 p.m.–3:00 p.m.      Break  
3:00 p.m.–5:30 p.m.      **Wrap-Up of Grant Project**  
7:00 p.m.–10:00 p.m.    Closing Dinner and Party

**Sunday, July 31**

Departure