Monday, November 6, 2017

13:00-15:00  Educational Session 1: Genome Editing and Its Clinical Application  
Grand Ballroom 2-4  
Chair: X. Shirley Liu, Dana-Farber Cancer Institute, Boston, MA, USA  
Computational and experimental development for CRISPR screens  
X. Shirley Liu  
Domain-focused CRISPR screening  
Christopher Vakoc, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, USA  
High-throughput functional genomics: Coding, noncoding and beyond  
Wensheng Wei, School of Life Sciences, Peking University, Beijing, China

15:00-15:15  Tea Break  
Grand Ballroom 1 and Foyer

15:15-18:00  Welcome and Keynote Addresses  
Grand Ballroom 2-4  
Welcome  
Nancy E. Davidson, Fred Hutchinson Cancer Center, Seattle, WA, USA  
Tumor suppressor and tumor maintenance genes  
Scott W. Lowe, Memorial Sloan Kettering Cancer Center, New York, NY, USA  
New insights into the resistance of targeted therapy in cancer  
Hongyang Wang, Eastern Hepatobiliary Institute, Shanghai, China

18:00-19:15  Session 1: Tumor Evolution  
Grand Ballroom 2-4  
Cochairs: Kornelia Polyak, Dana-Farber Cancer Institute, Boston, MA, USA and Zhi-ming Shao, Fudan University Shanghai Cancer Center, Shanghai, China  
Intratumoral heterogeneity and clonal selection of breast cancer  
Zhi-ming Shao  
Clonal cooperation in breast cancer  
Kornelia Polyak

19:30-21:30  Opening Reception  
Grand Ballroom 1 and Foyer

Tuesday, November 7, 2017

8:30-10:30  Session 2: Cancer Genomics  
Grand Ballroom 2-4  
Chair: Alberto Bardelli, University of Turin, Candiolo, Italy  
Decipher inter- and intratumoral heterogeneity to facilitate cancer precision medicine  
Kui Wu, BGI, Shenzhen, China  
Cancer evolution as a therapeutic target  
Alberto Bardelli  
Cancer evolution at single-cell resolution  
Sohrab Shah, BC Cancer Agency Vancouver Center, Vancouver, BC, Canada

10:30-11:00  Tea Break with Light Refreshments  
Grand Ballroom 1 and Foyer

11:00-13:00  Session 3: Prevention  
Grand Ballroom 2-4  
Chair: Hongbing Shen, Nanjing Medical University, Nanjing, China  
Genetic susceptibility of lung cancer and its potential application in precision prevention  
Hongbing Shen  
Notes from the field: Cancer prevention in rural China  
Thomas W. Kensler, University of Pittsburgh, Pittsburgh, PA, USA  
Aspirin and cancer: The promise of precision chemoprevention  
Andrew T. Chan, Massachusetts General Hospital, Boston, MA, USA

13:00-15:30  Poster Session A with Lunch  
Ballroom 1-3  
Clinical Research  
Clinical Trials  
Endocrinology  
Epidemiology  
Experimental and Molecular Therapeutics  
Other  
Prevention Research  
Tumor Biology
15:30-17:30  Session 4: Metabolism  
Grand Ballroom 2-4  

Cochairs: Chi Van Dang, Ludwig Institute for Cancer Research, New York, NY, and The Wistar Institute, Philadelphia, PA, USA and Shimin Zhao, Fudan University School of Life Sciences, Shanghai, China  

MYC and metabolic vulnerabilities of cancer  
Chi Van Dang  

Metabolic regulation of mitochondrial and lipid activity in renal cell cancer  
Amato Giaccia, Stanford University, Stanford, CA, USA  

Regulation of DNA synthesis by APC/CCDH1  
Shimin Zhao  

Wednesday, November 8, 2017  

8:00-8:30  Special Session: PreCancer Atlas  
Grand Ballroom 2-4  

PreCancer Atlas: A window to comprehensive profiles of precancer lesions  
Sudhir Srivastava, National Cancer Institute, National Institutes of Health, Bethesda, MD, USA  

8:30-10:30  Session 5: TME and Inflammation  
Grand Ballroom 2-4  

Chair: Morag Park, McGill University Goodman Cancer Center, Montreal, QC, Canada  

Functional heterogeneity of the triple-negative breast cancer immune microenvironment  
Morag Park  

Systemic and microenvironmental determinants of cancer progression and metastasis  
Sandra S. McAllister, Brigham and Women’s Hospital, Boston, MA, USA  

Modifying tumor microenvironment and immunity through tumor vessel normalization  
Gou Young Koh, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Republic of Korea  

10:30-11:00  Tea Break with Light Refreshments  
Grand Ballroom 1 and Foyer  

11:00-13:00  Session 6: Immunology  
Grand Ballroom 2-4  

Chair: Alberto Mantovani, Humanitas University, Rozzano, Italy  

Anti-angiogenic conditioning of the tumor immune microenvironment  
Michele De Palma, Swiss Federal Institute of Technology (EPFL), Lausanne, Switzerland  

Innate immunity, inflammation and cancer: From bench to bedside  
Alberto Mantovani  

Cancer immunotherapy targeting Treg cells  
Shimon Sakaguchi, Osaka University, Osaka, Japan  

13:00-15:30  Poster Session B with Lunch  
Ballroom 1-3  

Bioinformatics and Systems Biology  
Cancer Chemistry  
Experimental and Molecular Therapeutics  
Immunology  
Molecular and Cellular Biology, Genetics  
Tumor Biology  

15:30-17:30  Session 7: Epigenetics  
Grand Ballroom 2-4  

Chair: Meiyu Geng, Chinese Academy of Sciences, Shanghai, China  

HDAC inhibitors in solid tumors: Opportunities and challenges  
Meiyu Geng  

Targeting aberrant gene silencing in cancer  
Jean-Pierre J. Issa, Fox Chase Cancer Center, Philadelphia, PA, USA  

Epigenetic drivers, passengers, and innocent bystanders  
James G. Herman, University of Pittsburgh Cancer Institute, Pittsburgh, PA, USA  

17:30-18:00  Tea Break with Light Refreshments  
Grand Ballroom 1 and Foyer
8:30-10:30  Educational Session 2:  
Clinical Trial Design  
Grand Ballroom 2-4

Chair: Yi-Long Wu, Guangdong Lung Cancer Institute,  
Guangzhou, China

Precision medicine lessons from  
*window-of-opportunity* trials  
Jennifer Rubin Grandis, University of California San Francisco,  
San Francisco, CA, USA

Precision medicine clinical trial designs in the U.S.  
Edward Chu, University of Pittsburgh Cancer Center,  
Pittsburgh, PA, USA

Lessons from biomarker-driven clinical trials  
Yi-Long Wu

10:30-11:00  Tea Break with Light Refreshments  
Grand Ballroom 1 and Foyer

11:00-13:00  Session 8: Precision Medicine  
Grand Ballroom 2-4

Chair: Fuchou Tang, Peking University, Beijing, China

Digital pathology, liquid biopsy,  
and the future of precision oncology  
Mark S. Boguski, Inspirata, Inc., Tampa, FL, USA

Cancer and precision medicine:  
A community-research perspective  
Carol Horowitz, Mount Sinai School of Medicine,  
New York, NY, USA

Single-cell triple omics sequencing reveals genomic,  
epigenomic, and transcriptomic heterogeneity in human  
hepatocellular carcinomas and colorectal cancers  
Fuchou Tang

The AACR Chemistry in Cancer Research Working Group  
(CICR) cordially invites you to be its guest at the CICR  
Town Hall and Luncheon. Come learn about this important  
international chemistry-focused working group as well  
as recent cancer drug discovery efforts within China and  
internationally, with presentations by Drs. Charles Z. Ding  
(WuXi AppTec) and John (Yuan) Wang (Eisai Inc.). This free  
event will also provide the opportunity to network with your  
colleagues and be updated on research developments!