

CONFERENCE SCHEDULE

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

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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

CONFERENCE SCHEDULE

18:00-19:30

**Professional Advancement Session:
Facilitating Clinician-Researcher
Crosstalk to Improve Patient Care**
Grand Ballroom 2-4

Panelists:

Zhi-ming Shao, Fudan University Shanghai Cancer Center,
Shanghai, China

Jennifer Rubin Grandis, University of California San
Francisco, San Francisco, CA, USA

Thomas W. Kensler, University of Pittsburgh,
Pittsburgh, PA, USA

Thursday, November 9, 2017

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

13:00-13:15

Closing Remarks
Grand Ballroom 2-4

13:15-15:00

**AACR Chemistry in Cancer Research
Working Group (CICR) Town Hall and
Luncheon**
Grand Ballroom 2-4

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!