

2016 SNU CRI Cancer Symposium

*“Translational Implement for Precision Medicine :
Incorporation of Genomics, PDX, Immuno-oncology, and Imaging”*

March 26th, 2016

Lee Kun-Hee Auditorium, Seoul National University Cancer Research Institute

08:20 Opening Ceremony

Seung-Yong Jeong (Director, Cancer Research Institute Seoul National University)

Special Lecture : Nobel Prize in Chemistry for the Discovery of Ubiquitin-Mediated Protein Degradation

Chairperson: Seung-Yong Jeong

08:30-09:00 The Ubiquitin System for Intracellular Proteolysis: From Basic Mechanisms Thru Human Diseases and on to Drug Targeting

Aaron Ciechanover (Protein Metabolism Medical Research Center, College of Medicine, Seoul National University)

Session I : Biobank and Cell Line Bank: Collaboration for Translational Research, Establishment of Hospital Based Platform

Chairperson: Keon-Wook Kang

09:00-09:25 Korean Cell Line Bank Experience for Establishing Cancer Cell Lines

Ja-Lok Ku (Cancer Research Institute, Seoul National University)

09:25-09:50 Oncopanel: a Clinical Grade NGS Mutation Profiling Platform

Jihun Kim (Asan Medical Center)

09:50-10:15 From Single Cell Analysis to Precision Medicine

Woong-Yang Park (Samsung Genome Institute)

10:15-10:40 NGS Platform for Cancer Treatment

Jong-Il Kim (Seoul National University)

10:40-10:55 Coffee Break

SessionII : Patient-Derived Xenograft (PDX) and NGS for Precision Medicine

Chairperson: Seock-Ah Im

10:55-11:20 Prognostic and Functional Importance of the Engraftment associated Genes in the Patient-Derived Xenograft Models of Breast Cancer

Hyeong-Gon Moon (Seoul National University)

11:20-11:45 Genomic Medicine and Patient Derived Xenograft (PDX)

Han-Soo Park (Ewha Womans University)

11:45-12:10 Screening Patient-Derived Tumor Xenografts for Therapeutic Hypotheses

Ge Hui (Novartis, NIBR)

12:10-12:35 Spatially Resolved Cancer Genome Sequencing

Sung-Hoon Kwon (Seoul National University)

12:35-13:00 Genome-Directed Umbrella and Matched Trial at SMC

Jeeyun Lee (Samsung Medical Center)

13:00-14:00 Lunch

SessionIII : Immune Checkpoint: Mechanism of Tumor Immunity and the Clinical Application

Chairperson: Doo Hyun Chung

14:00-14:25 Immune Checkpoint Inhibitors: Scientific Background

Sang-Jun Ha (Yonsei University)

14:25-14:50 Roles of Immune Suppressive Myeloid Cells in Cancer

Je-In Youn (Seoul National University)

14:50-15:15 Immune Gene Signature Profiling as Predictive Biomarker of Immune Checkpoint Inhibitors

Hun Jung (Merck)

15:15-15:30 Coffee Break

SessionIV : Incorporating Imaging Technology

Chairperson: Gyeong Hoon Kang

15:30-15:55 Incorporation of Bio-Molecular and Genetic Changes into the Image

Woo-Kyung Moon (Seoul National University)

15:55-16:10 Incorporation of Nuclear Medicine and Molecular Imaging into Precision Medicine

Keon-Wook Kang (Cancer Research Institute, Seoul National University)

16:10-16:35 Leveraging Quantitative Pathology to Interrogate the Tumor Immunology Microenviroment in Cancer

Gil-Je Lee (PerkinElmer)

16:40 Closing

