

2013 SNUCRI & SNUCH CANCER SYMPOSIUM

Innovative Approaches to Explore Novel Druggable Targets

May 2-4, 2013
Phoenixisland, JEJU

5.2 (THU) CARCINOGENESIS, CANCER PREVENTION, TARGETING METABOLISM

08:30	Opening Ceremony
Symposium I : Cancer Prevention: Epidemiologic and Mechanistic Perspectives	
08:40-09:00	Targets search and identification for cancer prevention
09:00-09:20	Targeting inflammatory and anti-inflammatory signaling for cancer chemoprevention
09:20-09:40	Somatic cell transformation under specific microenvironment
09:40-10:00	Ras stability eegulation via the Wnt/ β -catenin signaling
10:00-10:20	Coffee break
Symposium II : Natural Compounds for Cancer Prevention	
10:20-10:40	Natural compounds as inhibitors of the hallmarks of cancer
10:40-11:00	Two facets of ROS in cancer cell fate signaling
11:00-11:20	Use of mouse models to study the mechanism of action of BH3-mimetic drugs in vivo
11:20-11:40	Identification of novel intracellular targets of cardiac glycosides in cancer
11:40-12:00	Mechanisms of genistein in prostate cancer prevention and treatment
12:00-13:00	Lunch
Symposium III : Potential New Tartets for Cancer Prevention	
13:00-13:20	Stress code of p53-ATF3 axis in cancer and anti-cancer treatment
13:20-13:40	Tumor suppressor decorin in cancer progression and its therapeutic potential
13:40-14:00	Protective roles of thioredoxin family proteins against inflammatory disorders
14:00-14:20	Eicosanoids in diseases- a novel target for regulation of biological processes
14:20-14:40	Potential new target(s) for prevention of high-fat-diet-induced non-alcoholic fatty liver diseases
14:40-15:00	Coffee break
Symposium IV : Metabolism and Autophagy	
15:00-15:20	Identification of delta-6 desaturase as an anti-cancer target
15:20-15:40	Cellular context-dependent autophagic regulation in cancer
15:40-16:00	TBD
16:00-16:20	More than cytoprotection: a triple role of heme oxygenase-1 in rhabdomyosarcoma
16:20-16:40	Autophagy as a target for anticancer therapies with natural compounds
16:40-17:00	Changes in macrophage phenotypes and cytokines/chemokines in tumor microenvironment in mice fed high-fat diet

Yong-Sang Song (Director, Cancer Research Institute Seoul National University, Korea)

Chairperson : IL-Moo Chang

Zigang Dong (The Hormel Institute, University of Minnesota, USA)
Young-Joon Surh (Seoul National University, Korea)
Jeong-Mook Lim (Seoul National University, Korea)
Kang-Yell Choi (Yonsei University, Korea)

Chairperson : Malyn Chulasiri

Marc Diederich (LBMCC, Kirchberg Hospital, Luxembourg)
Shazib Pervaiz (National University of Singapore, Singapore)
Philippe Bouillet (The Walter and Eliza Hall Institute, Australia)
Claudia Cerella (LBMCC, Kirchberg Hospital, Luxembourg)
Omer Kucuk (Winship Cancer Institute, Emory University, USA)

Chairperson : Junji Yodoi

Shigetaka Kitajima (Tokyo Medical and Dental University, Japan)
Wancai Yang (Xinxiang Medical University, China)
Yoshiyuki Matsuo (Institute for Virus Research Kyoto University, Japan)
Samar Basu (University d'Auvergne, France)
Zemin Yao (University of Ottawa, Canada)

Chairperson : Young-Nam Cha

Kang, Jing X (Harvard Medical School, USA)
Johji Inazawa (Tokyo Medical and Dental University, Japan)
Yong-Sang Song (Seoul National University, Korea)
Alicja Jozkowicz (Jagellonian University, Poland)
Ciro Isidoro (Universita del Piemonte Orientale, Italy)
Jung-Han Yoon Park (Hallym University, Korea)

5.3 (FRI) SYSTEMS BIOLOGY AND TRANSLATIONAL RESEARCH

Symposium V : Systems Biology and New Technology in Cancer Research	
08:00-08:20	Supercomputer in caner research
08:20-08:40	Gene-based and gene-set based analysis for the rare variants to explore druggable targets
08:40-09:00	Coalescence of genomics and synthetic biology for high-throughput functional genomics in cancer
09:00-09:20	Translational genomics for personalized cancer treatment
09:20-09:40	Sequencing-based approach for cancer-stromal interactome
09:40-10:00	Coffee break
10:00-10:20	Liinking epigenetic regulators EZH1 and EZH2 to non-alcoholic fatty liver disease (NAFLD)
10:20-10:40	Genetics, cell specification, and druggable targets
10:40-11:00	Whole-genome sequencing and comprehensive mutation analysis of liver cancer
11:00-11:20	Emerging Technologies for High Throughput Few Cell Analysis : Liquid Microarray and Laser Cloning
11:20-11:40	Copy number alteration, BAP1 & malignant mesothelioma
11:40-12:00	Genetic expression involving the cancer-stroma interaction and its clinical significance in advanced ovarian cancer
12:00-13:00	Lunch
Symposium VI : Translational Research and Clinical Application I	
13:00-13:20	Translational research for new anti-cancer drug developments
13:20-13:40	Establishing clinically relevant patient-derived xenograft tumor models for preclinical development
13:40-14:00	Targets discovery and early clinical trials for personalized healthcare
14:00-14:20	New molecular targeted therapy and translational research
14:20-14:40	Future medicine and academia-industry collaboration
14:40-15:00	Coffee break
Symposium VII : Translational Research and Clinical Application II	
15:00-15:20	Novel chimeric transcripts identified by paired-end transcriptome sequencing in human gastric cancer cell cancer
15:20-15:40	Comprehensive genetic and epigenetic analysis of gastric cancers
15:40-16:00	Overcoming endocrine resistance in breast cancer by reactivation of tumor suppressor protein
16:00-16:20	The development of NVP-BYL719, a PI3K α -selective inhibitor for the treatment of PIK3CA mutant cancers
16:20-16:40	TTF-1/NKX2-1: a double-edged lineage-survival oncogene in lung adenocarcinoma
Symposium VIII : Epidemiologic Research	
16:40-17:00	Korean epidemiologic cohort studies for genome researches (mainly stomach cancer and colon cancer) and Asia cohort consortium

Chairperson : Seung-Hoon Lee

Satoru Miyano (University of Tokyo, Japan)
Tae-Sung Park (Seoul National University, Korea)
Du-Hee Bang (Yonsei University, Korea)
Woong-Yang Park (Samsung Genome Institute, Korea)
Shumpei Ishikawa (Tokyo Medical and Dental University, Japan)

Chairperson : Myung-Haing Cho

Lothar Hennighausen (National Institutes of Health, USA)
Priscilla Anne Furth (Georgetown University, USA)
Tatsuhiko Tsunoda RIKEN (Center for Genomic Medicine, Japan)
Sung-Hoon Kwon (Seoul National University, Korea)
Mitsuru Emi (University of Hawai'i Cancer Center, USA)
Daisuke Aoki (University of Keio, Japan)

Chairperson : In-Hoo Kim

Yung-Jue Bang (Seoul National University, Korea)
Chi-Chung Chan (WuXi AppTech Co., Ltd., China)
Toshihiko Ohtomo (Roche/Genentech/Chugai group, Japan)
Darren Hodgson (AstraZeneca R&D Center, Korea)
Binhui (Ben) Ni (Sanofi (China) Investment Co., Ltd Shanghai Branch, China)

Chairperson : Dong-Young Noh

Seong-Jin Kim (CHA Cancer Institute-CHA University, Korea)
Toshikazu Ushijima (National Cancer Center Research Institute, Japan)
Toyomasa Katagiri (University of Tokushima, Japan)
Christine Fritsch (Novartis (NIBR), Switzerland)
Takashi Takahashi (Nagoya University Graduate School of Medicine, Japan)

Keun-Young Yoo (Seoul National University, Korea)

5.4(SAT) TARGETING CANCER STEM CELLS AND EMT

Symposium IX : Translational Research and Clinical Application III	
08:00-08:20	Inflammatory responses and novel mechanisms for gastric cancer
08:20-08:40	S-allyl cysteine; novel synthetic drug for inflammation based gastric diseases
08:40-09:00	CNS tumor diagnosis in the era of molecular pathology
Symposium X : Gynecologic Cancer Research	
09:00-09:20	GPCRs: emerging druggable targets for ovarian cancer therapy
09:20-09:40	Novel targets for endometriosis: potential implications of the relationship between endometriosis and ovarian cancer
09:40-10:00	Development of HGF neutralizing humanized antibody
10:00-10:20	Piceatannol enhances cisplatin sensitivity in ovarian cancer via modulation of the p53 tumor suppressor pathway and induction of mitochondrial fission
10:20-10:40	Coffee break
Symposium XI : Targeting Cancer Stem Cells and EMT	
10:40-11:00	Understanding of cancer stem cell niche for the development of novel therapeutic strategies
11:00-11:20	Function-based screening of EMT-suppressive microRNA in cancer cells
11:20-11:40	MicroRNAs in mammalian embryos and stem cells
11:40-12:00	Genetic modification for avian model development
12:00	Closing Ceremony

Chairperson : Porntipa Picha

Masanobu Oshima (Cancer Research Institute, Kanazawa University, Japan)
Ki-Baik Hahm (CHA University Medical School, Korea)
Sung-Hye Park (Seoul National University, Korea)

Chairperson : Sang-Chul Park

Danny N. Dhanasekaran (University of Oklahoma Health Sciences Center, USA)
Asgerally Turabally Fazleabas (Michigan State University College of Human Medicine, USA)
Jae-Wook Jeong (Michigan State University College of Human Medicine, USA)
Benjamin K. Tsang (University of Ottawa, Canada)

Chairperson : Sun-Ha Paek

Tetsuya Taga (Tokyo Medical and Dental University, Japan)
Ken-ichi Kozaki (Tokyo Medical and Dental University, Japan)
Nam-Hyung Kim (Chungbuk National University, Korea)
Jae-Yong Han (Seoul National University, Korea)
Dong-Young Noh (Director, Seoul National University Cancer Hospital, Korea)