

# The 41<sup>st</sup> Annual Meeting of Korean Cancer Association with International Cancer Conference

Date : June 18(Thu) ~ 19(Fri), 2015  
Venue : Lotte Hotel Seoul, Seoul, Korea



## Scientific Program

June 18 (Thu)

### Meet the Professor

- |   |  |
|---|--|
| <b>1: Role of an innovative medical oncologist in the management of cancer patients</b> | <b>07:30-08:20, Crystal Ballroom A</b> |
| Hoo Geun Chun (The Catholic University of Korea College of Medicine)                    |  |
| <b>2: Minimally invasive surgery for colorectal cancer: the 2015 update on evidence</b> | <b>07:30-08:20, Crystal Ballroom B</b> |
| Seon-Hahn KIM (Korea University College of Medicine)                                    |  |
| <b>3: Role of surgical oncologist in gastric cancer research</b>                        | <b>07:30-08:20, Crystal Ballroom C</b> |
| Han-Kwang Yang (Seoul National University College of Medicine)                          |  |

### Educational Session

Chairs: Kyung Hae Jung (Asan Medical Center)  
Jae Hong Seo (Korea University College of Medicine)

#### **1: Innovative treatment in medical oncology** **08:30-09:40, Crystal Ballroom A**

- 1) Innovative treatment of breast cancer  
Kyong Hwa Park (Korea University College of Medicine)
- 2) Innovative treatment of sarcoma  
Jin Hee Ahn (Asan Medical Center)
- 3) Innovative treatment of colon cancer  
Sang-Cheol Lee (Soonchunhyang University College of Medicine)

#### **2: Current status of brachytherapy in Korea** **08:30-09:40, Crystal Ballroom B**

- Chairs: Jin Sil Seong (Yonsei University College of Medicine)  
Yong Chan Ahn (Samsung Medical Center)
- 1) Current status of brachytherapy for gynecologic cancer in Korea  
Yong Bae Kim (Yonsei University College of Medicine)
  - 2) Recent improvement of brachytherapy in cervical cancer  
Yeon-Joo Kim (National Cancer Center)
  - 3) Current status of prostate brachytherapy in Korea  
Jaeho Cho (Yonsei University College of Medicine)

#### **3: Oncologic views of radical and limited LN dissection** **08:30-09:40, Crystal Ballroom C**

- Chairs: Cho Hyun Park (The Catholic University of Korea College of Medicine)  
Kyu Lee Lee (The Catholic University of Korea College of Medicine)
- 1) Oncologic views of radical & limited lymph node dissection: colorectal cancer  
Jung-Myun Kwak (Korea University College of Medicine)
  - 2) Oncologic views of radical and limited LN dissection in breast cancer treatment  
Jeong Eon Lee (Samsung Medical Center)
  - 3) Determination for extent of LN dissection: Ongoing dilemma of gastric cancer surgery  
Han Hong Lee (The Catholic University of Korea College of Medicine)

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### Young Investigator Symposium

08:30-09:40, Sapphire Ballroom B

Chairs: Si-Young Kim (Kyung Hee University School of Medicine)  
Jae Ho Chung (Yonsei University College of Medicine)

- 1) Phase I trials as cancer therapy: clinical fellowship experience at MD Anderson Cancer Center  
Yong Wha Moon (Yonsei University College of Medicine)
- 2) Role of aggressive debulking surgery in advanced ovarian cancer: Can surgical aggressiveness compensate for tumor biology?  
Suk-Joon Chang (Ajou University School of Medicine)
- 3) Tumor heterogeneity in lung cancer  
Sang-Won Um (Samsung Medical Center)
- 4) The methyltransferases EZH1 and EZH2 control hepatocyte homeostasis and regeneration  
Woo Kyun Bae (Chonnam National University Medical School)

### Plenary Lecture 1 (in English)

10:00-10:30, Crystal Ballroom

Chair: Hoo Geun Chun (The Catholic University of Korea College of Medicine)

#### Dare to push the limit

Jin Soo Lee, M.D., Ph.D. (National Cancer Center)

### Plenary Lecture 2 (in English)

10:30-11:20, Crystal Ballroom

Chair: Myeong-Hee Yu (Korea Advanced Institute of Science and Technology)

#### Fundamental insights and translational opportunities arising from cancer epigenetics

Peter W. Laird, Ph.D. (Professor and Head, Center for Epigenetics, Van Andel Research Institute, USA)

### Symposium 1 (in English)

12:40-14:20, Crystal Ballroom A

#### Gastric cancer

Chairs: Kazuhiro Yoshida (Gifu University, Japan)  
Young-Woo Kim (National Cancer Center)

- 1) Genomic landscape of gastric cancer  
Jae Yong Cho (Yonsei University College of Medicine)
- 2) Current status of new agent developments in gastric cancer  
Atsushi Ohtsu (National Cancer Center Hospital East, Japan)
- 3) Role of adjuvant/neo-adjuvant chemotherapy in locally advanced gastric cancer  
Lin Shen (Peking University Cancer Hospital & Institute, China)
- 4) The use of exhaled breath test for the diagnosis and therapeutic monitoring of gastric cancer  
George Hanna (Imperial College of London, UK)

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### Symposium 2 (in English)

12:40-14:20, Crystal Ballroom B

#### Epigenetics and cancer therapy

Chairs: Sung Gil Chi (Korea University College of Life Sciences & Biotechnology)

Woo-Young Kim (Sookmyung Women's University College of Pharmacy)

- 1) DNA Hypermethylome signature in human cancer for clinical use  
Joo Mi Yi (Dongnam Institute of Radiological & Medical Sciences)
- 2) Identification of putative targets for altered DNA methylation in cisplatin resistant ovarian cancer cells  
Yoon Jung Park (Ewha Womans University College of Health Science)
- 3) A positive role of DBC1 in PEA3-mediated progression of estrogen receptor-negative breast cancer  
Jeong Hoon Kim (Samsung Advanced Institute for Health Sciences and Technology, Sungkyunkwan University)
- 4) Targeting chromatin remodeler for cancer radiotherapy  
Jongbum Kwon (Ewha Womans University College of Natural Sciences)

### Symposium 3

12:40-14:20, Crystal Ballroom C

#### Mitochondria energy metabolism

Chairs: Ho Jeong Kwon (Yonsei University College of Life Sciences & Biotechnology)

Su-Jae Lee (Hanyang University College of Natural Sciences)

- 1) Identification of therapeutic target that links AMPK to WNT signaling in early-stage gastric cancer  
Yon Hui Sarah Kim (National Cancer Center)
- 2) Mitochondrial chaperone TRAP1: structure, function, and inhibitors  
Byoung Heon Kang (Ulsan National Institute of Science and Technology)
- 3) Post-transcriptional regulation of mitochondrial dynamics  
Dong-Hyung Cho (Graduate School of East-West Medical Science, Kyung Hee University)
- 4) Apoptosis via mitochondria in Epstein-Barr virus transformed B cells  
Dae Young Hur (Inje University College of Medicine)

### Symposium 4 (in English)

12:40-14:20, Sapphire Ballroom B

Joint Symposium (Korean Cancer Association & Shanghai Cancer Institute)

#### Novel strategies for anticancer therapy I

Chairs: Young Joon Surh (Seoul National University College of Pharmacy)

Zhigang Zhang (Shanghai Cancer Institute, China)

- 1) New insights into cellular origin of prostate epithelial development and tumorigenesis  
Wei-Qiang Gao (Shanghai Cancer Institute, China)
- 2) Experimental therapeutic strategies for targeting HCC cancer stem cells  
Jinjun Li (Shanghai Cancer Institute, China)
- 3) Different function of ARD1 variants in tumorigenesis  
Kyu-Won Kim (Seoul National University College of Pharmacy)
- 4) Experience of next generation sequencing analysis of Korean breast cancer  
Wonshik Han (Seoul National University College of Medicine)

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### Symposium 5

14:40-16:20, Crystal Ballroom A

#### Survivorship program and care plan

Chairs: Sung Kim (Samsung Medical Center)  
Dae Ho Lee (Asan Medical Center)

- 1) Primary care provider perspectives  
Kyung Hyun Choi (Dongnam Institute of Radiological & Medical Sciences)
- 2) Oncology nurses' perspectives on the survivorship care  
Soo Hyun Kim (Inha University)
- 3) Specialty care provider perspectives  
Hye Yoon Park (Seoul National University College of Medicine)
- 4) Oncologist care provider perspectives  
Dae Ho Lee (Asan Medical Center)

### Symposium 6 (in English)

14:40-16:20, Crystal Ballroom B

#### Joint Symposium (Korean Cancer Association & Korean Genome Organization)

#### Next great leap of omics for personalized medicine in cancer

Chairs: Yong Sung Kim (Korea Research Institute of Bioscience & Biotechnology)  
Yeon Su Lee (National Cancer Center)

- 1) An integrative proteogenomics approach in gastric cancer  
Daehee Hwang (Daegu Gyeongbuk Institute of Science & Technology)
- 2) Cooperation of driver mutations induces epithelial-to-mesenchymal transition in lung cancer  
Hyun Seok Kim (Yonsei University College of Medicine)
- 3) Application of cancer genome analysis in clinical oncology  
Yoon-La Choi (Samsung Medical Center)
- 4) Epigenetic control of gene expression dynamics  
TaeSoo Kim (Ewha Womans University College of Natural Sciences)

### Symposium 7 (in English)

14:40-16:20, Crystal Ballroom C

#### New treatment in cancer

Chairs: Seung Hoon Lee (National Cancer Center)  
Byung Il Kim (Korea Institute of Radiological & Medical Sciences)

- 1) Laparoscopic and function preserving cancer surgery : evidences in gastric cancer  
Hyuk-Joon Lee (Seoul National University College of Medicine)
- 2) Review of carbon ion radiotherapy and current status of Korea Heavy-ion Medical Accelerator (KHIMA) project  
Mi Sook Kim (Korea Institute of Radiological & Medical Sciences)
- 3) Targeted radionuclide therapy  
So Won Oh (Seoul National University Boramae Medical Center)



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### Symposium 8

14:40-16:20, Sapphire Ballroom A

Joint Symposium (Korean Cancer Association & The Korean Society of Nuclear Medicine)

#### Advence of radionuclide theranostics in oncology

Chairs: Sang-Moo Lim (Korea Institute of Radiological & Medical Sciences)

Keon Wook Kang (Seoul National University College of Medicine)

- 1) Radionuclide theranostics in radioiodine-refractory thyroid cancer  
Byeong-Cheol Ahn (Kyungpook National University School of Medicine)
- 2) Radioembolization in hepatocellular carcinoma  
Jae-Gol Choe (Korea University College of Medicine)
- 3) I-131 rituximab radioimmunotherapy in B cell lymphoma  
Sang-Moo Lim (Korea Institute of Radiological & Medical Sciences)

### Symposium 9 (in English)

14:40-16:20, Sapphire Ballroom B

Joint Symposium (Korean Cancer Association & Shanghai Cancer Institute)

#### Novel strategies for anticancer therapy II

Chairs: Wei-Qiang Gao (Shanghai Cancer Institute, China)

Chul Woo Kim (Seoul National University College of Medicine)

- 1) Development of T cells redirected to glypican-3 for the treatment of hepatocellular carcinoma  
Zonghai Li (Shanghai Cancer Institute, China)
- 2) Regulation of Warburg effect by hormone receptors in hepatocellular carcinoma  
Zhigang Zhang (Shanghai Cancer Institute, China)
- 3) Stromal stem-like cells for maintenance of infiltrative property in human glioblastoma  
Su-Jae Lee (Hanyang University College of Natural Sciences)
- 4) Hypoxia induces angiogenic miRs targeting tumour suppressors  
You Mie Lee (Kyungpook National University College of Pharmacy)

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### Satellite Symposium 1 (in English)

11:30-12:20, Crystal Ballroom

Chair: Hoo Geun Chun (The Catholic University of Korea College of Medicine)

#### A decade of anti-angiogenic therapy: past, present and future (by Roche)

Yeul Hong Kim (Korea University College of Medicine)

### Satellite Symposium 2 (in English)

11:30-12:20, Sapphire Ballroom

Chair: Keun chil Park (Samsung Medical Center)

#### Immunotherapy: the 'Golden Goose' of cancer therapy (by MSD)

Kenneth O'Byrne (Princess Alexandra Hospital, Australia)

### Satellite Symposium 3 (in English)

18:00~19:00, Crystal Ballroom A

Chair: Sang We Kim (Asan Medical Center)

#### New Treatment in ALK+ Lung Cancer (by Novartis)

Dong-Wan Kim (Seoul National University College of Medicine)

### Satellite Symposium 4 (in English)

18:00~20:00, Crystal Ballroom B

Bayer Korea Oncology Symposium

Translating advances in molecular oncology to the clinic for the treatment of GI cancer

#### I . A new era of treatment in GI cancer

Chair: Yung-Jue Bang (Seoul National University College of Medicine)

- 1) Colorectal cancer-The role of targeted therapies in the strategy of mCRC treatment

Salvatore Siena (Niguarda Ca' Granda, Milan, Italy)

- 2) Gastric cancer- Revisit of antiangiogenesis strategy in gastric cancer

Do-Youn Oh (Seoul National University College of Medicine)

#### II . Biomarker exploration in oncology

Chair: Yeul Hong Kim (Korea University College of Medicine)

- 1) How to address new targets in oncology

Dirk Laurent (Bayer, USA)

- 2) Research experience for biomarker development in GI cancer

Sun Young Rha (Yonsei University College of Medicine)

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### International Session (Oral, in English)

#### Session 1 (Cancer prevention & oncogenes)

14:40-16:10, Sapphire Ballroom C

Chairs: In-Hoo Kim (National Cancer Center, Korea)

G-One Ahn (Pohang University of Science and Technology, Korea)

IT-01) From 75% Uptake to 1% in 12 Months: The Japanese HPV Vaccine Tragedy

Sharon J.B. Hanley (Hokkaido University Graduate School of Medicine, Japan)

IT-02) Histone variant mutations in childhood bone and brain tumors

Anders M. Lindroth (National Cancer Center, Korea)

IT-03) Global profiling of polyadenylation sites reveals a link between selective polyadenylation and cancer metastasis

Xiaodong Zhao (Shanghai Jiao Tong University, China)

IT-04) Fluid flow activates YAP to promote metastatic behavior

Hyun Jung Lee (University of Texas Health Science Center at Houston, USA)

IT-05) Regulation of Akt phosphorylation at serine473 residue by BTG2 /TIS21 gene

Santhoshkumar Sundaramoorthy (Ajou University School of Medicine, Korea)

IT-06) Alpha santalol inhibits angiogenesis and Induce Apoptosis in an Experimental Model of Hepatocellular Carcinoma

Sarita Saraswati (King Saud University, Saudi Arabia)

#### Session 2 (Drug delivery)

16:20~17:20, Sapphire Ballroom A

Chairs: Marie Cherry Lynn Samson Fernando (Manila Doctors Hospital, Philippines)

Sang We Kim (Asan Medical Center, Korea)

IT-07) A pilot preclinical study of systemically delivered human telomerase reverse transcriptase (hTERT)-targeting p53-laden adenovirus on human hepatocellular carcinoma Hep3B cells in the liver of nude mice.

Won Sup Lee (Gyeongsang National University School of Medicine, Korea)

IT-08) Comparison of serum biomarkers CYFRA 21-1 with CA 19-9 in the assessment of biliary tract cancers

Bikal Ghimire (Tribhuvan University, Maharajgunj Medical Campus, Nepal)

IT-09) PG545 synergizes with gemcitabine to suppress pancreatic tumorigenesis and metastasis by inhibiting Wnt/ $\beta$ -catenin signaling

Miyong Yun (Kyung Hee University School of Medicine, Korea)

IT-10) Granulocyte macrophage colony-stimulating factor (GM-CSF) facilitates local accumulation of dendritic cells (DCs) and antigen-specific CD8<sup>+</sup> T cells and enhances the efficacy of therapeutic vaccine on cervicovaginal tumor

Sung Jong Lee (College of Medicine, The Catholic University of Korea, Korea)

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### International Session (Oral, in English)

#### Session 3 (Breast cancer)

16:20~17:40, Sapphire Ballroom B

Chairs: Yogendra P Singh (Tribhuvan University Teaching Hospital, Nepal)

Keon Uk Park (Keimyung University School of Medicine, Korea)

IT-11) Modified pectin with low molecular and middle esterified degree is a chemosensitizer of chemotherapeutics to human triple negative breast cancer

Hua ying Li (The Fifth People's Hospital of Shanghai, Fudan University, China)

IT-12) Safety of eribulin in Korean patients with metastatic breast cancer: Result from phase IV clinical trial to evaluate safety of eribulin in patients with locally advanced or metastatic breast cancer

Yeon Hee Park (Samsung Medical Center, Korea)

IT-13) Experience of using high-intensity focused ultrasound ablation (HIFU) in the treatment of benign tumors of the mammary glands .

Rustemova Kulsara (National Scientific Medical Center, Kazakhstan)

IT-14) Tumor Biology of Breast Cancer in Nepalese Young Women

Bikash Nepal (Tribhuvan University Teaching Hospital, Nepal)

IT-15) NOP14 Inhibits Breast Cancer Progression by Elevating NRIP1 and Deregulating the Wnt/ $\beta$ -Catenin Pathway

Bohua Kuang (Sun Yat-sen University Cancer Center, China)

#### Session 4 (Lung cancer)

16:20~17:10, Sapphire Ballroom C

Chairs: Jung Shin Lee (Asan Medical Center, Korea)

Zeba Aziz (Allama Iqbal Medical College, Pakistan)

IT-16) Prognostic implications of cancer cachexia in patients with small cell lung cancer: risk stratification model of skeletal muscle mass measured by computed tomography and the neutrophil to lymphocyte ratio

Gyeong-Won Lee (Gyeongsang National University School of Medicine, Korea)

IT-17) The value of PET-guided endobronchial ultrasound-transbronchial needle aspiration (EBUS-TBNA) in nodal staging of non-small cell lung cancer (NSCLC).

Sinae Lee (Korea University College of Medicine, G Sam Hospital )

IT-18) Preventive and Therapeutic Effects of calycosin on Experimental Radiation Induced Lung Injury in Mice

Yuanyuan Zhang (Shandong Cancer Hospital, China)



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### Oral Presentation

#### Session 1 (Breast cancer)

12:40-13:30, Sapphire Ballroom A

Chairs: Young Hyuck Im (Samsung Medical Center)

Kyoung Eun Lee (Ewha Womans University School of Medicine)

OP-01) Differential Scores Of The 70-Gene Signature Among 6 Molecular Subtypes Of Triple-Negative Breast Cancer

Sung Gwe Ahn (Yonsei University College of Medicine)

OP-02) Incidence of febrile neutropenia in Korean female breast cancer patients receiving preoperative or postoperative adriamycin/cyclophosphamide followed by docetaxel chemotherapy

Chang-gon Kim (Yonsei University College of Medicine)

OP-03) The impacts of inclusion in clinical trials on outcomes among patients with metastatic breast cancer (MBC)

Ji Yun Lee (Samsung Medical Center, Sungkyunkwan University School of Medicine)

OP-04) T0070907 enhances radiosensitivity through mitotic catastrophe in cervical cancer cells

Zhengze An (Chungbuk National University)

OP-05) TRAIL-induced caspase activation is a prerequisite for activation of the endoplasmic reticulum stress-induced signal transduction pathways

Dae-Hee Lee (Korea University Guro Hospital)

#### Session 2 (Lymphoma & Prevention & Sarcoma)

13:30~14:20, Sapphire Ballroom A

Chairs: Soon Nam Lee (Ewha Womans University School of Medicine)

Joung Soon Jang (Chung Ang University College of Medicine)

OP-06) The role of radiotherapy and chemotherapy in the treatment of early stage extranodal Natural Killer/T cell lymphoma, nasal type, in the era of multimodal treatment

Tae hyung Kim (Yonsei University College of Medicine)

OP-07) Prognostic significance of baseline beta-2 microglobulin in patients with diffuse large B cell lymphoma in rituximab era

Seyoung seo (Asan Medical Center, University of Ulsan College of Medicine)

OP-08) Clipping during distal external iliac lymphadenectomy increases lower leg lymphedema in patients with carcinoma of the cervix

Joo Hee Yoon (College of Medicine, The Catholic University of Korea)

OP-09) Therapeutic Strategies for Soft Tissue Sarcomas with Engineered Mesenchymal Stromal Cells

Hyun Joo Lee (Samsung Biomedical Research Institute, SungKyunKwan University School of Medicine)

OP-10) Gankyrin is a predictive and oncogenic factor in well-differentiated and dedifferentiated liposarcoma

Heung-Mo Yang (Samsung Biomedical Research Institute, SungKyunKwan University School of Medicine)

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### Oral Presentation

#### Session 3 (Oncogenes and tumor suppressor genes I)

16:20~17:00, Crystal Ballroom A

Chairs: Jin Cheon Kim (Asan Medical Center)

Hee Sung Kim (Chung Ang University College of Medicine)

OP-11) Identification of NORE1A as a negative feedback regulator of TNF $\alpha$ -NF- $\kappa$ B signaling, which drives apoptotic switch of TNF $\alpha$  function

Kyung-Phil Ko (Korea University)

OP-12) Genomic and mutational profiling of pure ductal carcinoma in situ of the breast and that associated with invasive disease

Shinn Young Kim (College of Medicine, The Catholic University of Korea)

OP-13) Identification of XAF1 as a novel antagonist of Metallothionein 2A and its implication in restoration of p53 apoptotic activity under metal stress conditions

Chulhee Shin (Korea University)

OP-14) Clinical feasibility of next generation sequencing (NGS)-based targeted anticancer therapy in refractory or rare solid tumors at a Korean Institution

Yong Wha Moon (Yonsei Cancer Center, Yonsei University College of Medicine)

#### Session 4 (Oncogenes and tumor suppressor genes II)

17:00~17:40, Crystal Ballroom A

Chairs: Yong Sang Song (Seoul National University College of Medicine)

Ki Hyeong Lee (Chungbuk National University School of Medicine)

OP-15) XAF1 is a transcription target of PERK-Nrf2 signaling and directs apoptotic switch of endoplasmic reticulum stress response by IRE1 $\alpha$  activation

Kyung-Woo Lee (Korea University)

OP-16) Genome-wide analysis of hepatocellular carcinoma revealed by next generation sequencing technologies

Eun-Goo Jeong (Cancer Research Institute, Seoul National University College of Medicine)

OP-17) Identification of XAF1 as a novel estrogen receptor  $\alpha$ -binding factor that specifically activates its proapoptotic function

Ji-Sun Lim (Korea University)

OP-18) Exploring genomic profiles of cervical intraepithelial neoplasia and squamous cell carcinoma.

Seung-Hyun Jung (College of Medicine, The Catholic University of Korea)

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### Oral Presentation

#### Session 5 (H&N cancer & Clinical trials)

**16:20~17:00, Crystal Ballroom B**

Chairs: Mi Son Chun (Ajou University School of Medicine)

Hwan Jung Yun (Chungnam National University School of Medicine)

OP-19) Low-dose cisplatin converts the tumor microenvironment into a permissive state for HSVtk-induced antitumor immunity in HPV16-related tonsillar carcinoma

Yuh-S. Jung (National Cancer Center)

OP-20) Integrative analysis of miRNAs classify two distinct stages of epithelial cell differentiation in head and neck squamous cell carcinoma (HNSCC)

Yoon Ho Ko (College of Medicine, The Catholic University of Korea)

OP-21) Investigating the anti-cancer effects of non-thermal plasma through AKT ubiquitination by E3 ligase of MUL1 turn-on in head and neck cancer

Chul-Ho Kim (Ajou University College of Medicine)

OP-22) Metformin use reduced mortality and disease recurrence after curative hepatic resection in early-stage hepatocellular carcinoma: a nationwide population-based study.

Young-Seok Seo (Korea Cancer Center Hospital)

#### Session 6 (Novel therapeutic approach)

**17:00~17:40, Crystal Ballroom B**

Chairs: Hong Seok Jang (The Catholic University of Korea College of Medicine)

Seok-Gu Kang (Yonsei University College of Medicine)

OP-23) SIRT1 regulates oncogenesis via a mutant p53-dependent pathway in hepatocellular carcinoma

Doopyo Hong (Samsung Biomedical Research Institute, Samsung Medical Center)

OP-24) Ventriculolumbar perfusion chemotherapy with Methotrexate for the treatment of leptomeningeal carcinomatosis: a phase II study.

Seung Hoon Lee (National Cancer Center)

OP-25) Novel signaling axis driving to epithelial-mesenchymal cell transition in irradiated non-small cell lung cancer cells

Yanhong Cui (Hanyang University)

OP-26) Intraoperative Identification of Metastasis in Sentinel Lymph Nodes Using Macrophage Targeted Fluorescent; Indocyanine Green:Neomannosyl Human Serum Albumin

YuHua Quan (Korea University Guro Hospital, Korea University College of Medicine)

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### Oral Presentation

#### Session 7 (Tumor invasion and metabolism I )

16:20~17:00, Crystal Ballroom C

Chairs: Jong-Soo Lee (Ajou University College of Natural Sciences)  
Eun Kee Song (Chonbuk National University Medical School)

OP-27) Inhibiting stemness and invasion property of glioblastoma tumorsphere by a newly designed biguanide  
Seok-Gu Kang (Yonsei University College of Medicine)

OP-28) Nation-wide Epidemiology and Healthcare Utilization of Spine Tumor Patients in the Adult Korean Population, 2009-2012  
Seil Sohn (Seoul National University College of Medicine)

OP-29) Effect of extended pedigree information on risk estimates for BRCA1/2 mutation by risk assessment models  
Boyoung Park (National Cancer Center)

OP-30) A deubiquitinating enzyme USP1 regulating oncogenic function of 14-3-3 $\gamma$   
Jin-Ock Kim (CHA University)

#### Session 8 (Tumor invasion and metabolism II )

17:00~17:40, Crystal Ballroom C

Chairs: Hong Suk Song (Keimyung University School of Medicine)  
Bong Seog Kim (VHS Medical Center)

OP-31) Disruption of CTCF/cohesin-mediated high-order chromatin structures by DNA methylation down-regulates PTGS2 expression  
Jee-Youn Kang (Cancer Research Institute, Seoul National University College of Medicine)

OP-32) HA and CD44 induced by Fractionated radiation promotes infiltrative properties of glioma cells  
Ki chun Yoo (Hanyang University)

OP-33) Dynamic high order chromatin structure mediated by cohesin determine epithelial to mesenchymal transition in cancer  
Jiyeon Yun (Cancer Research Institute, Seoul National University College of Medicine)

OP-34) Distinct actions of SIRT1 in cancer and stromal cells on tumor promotion  
Dong Hoon Shin (National Cancer Center)



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### Poster Presentation

09:00~17:00, Emerald Room

- P-001) Growth inhibition of luteolin is induced via p53 and Fas/Fas-ligand besides TGF- $\beta$  pathways on HepG2 cells  
Su Bog Yee (Dong-eui University College of Nursing and Healthcare Sciences)
- P-002) In vitro efficacy of CX-4945, a novel CK2 inhibitor, in gastric cancer cell lines  
Hyun Myong Kim (Song-Dang Institute for Cancer Research, Yonsei University)
- P-003) Prostate cancer induces a reduction of classical dendritic cells by enhancing Pten expression in haematopoietic stem cells  
Qianfei Zhang (Renji-Med X Clinical Stem Cell Research Center, Shanghai Jiao Tong University, China)
- P-004) Anticancer effects and mechanisms of a novel DNA topoisomerase inhibitor, FPDHP in renal cell carcinoma cell line.  
Yoon Ji Hea (Keimyung University School of Medicine)
- P-005) BAI, a novel Cdk inhibitor, enhances farnesyltransferase inhibitor LB42708-mediated apoptosis in renal carcinoma cells through the downregulation of Bcl-2 and c-FLIP (L).  
Shin Kim (Keimyung University School of Medicine)
- P-006) Carnosic acid sensitizes renal carcinoma Caki cells to TRAIL-induced apoptosis by increasing ER stress-mediated CHOP expression  
Taeg Kyu Kwon (Keimyung University School of Medicine)
- P-007) The apoptotic mechanism of a novel cyclin-dependent kinase inhibitor, BMI-1026 on human cancer cells  
Dong Eun Kim (Keimyung University School of Medicine)
- P-008) Biological functions and mechanisms of RACGAP1 promotes tumor progression  
Ping He (Shanghai Cancer Institute, China)
- P-009) Genotoxic stress/p53-induced DNAJB9 inhibits the pro-apoptotic function of p53  
Jeongmi Kim (Kangwon National University School of Medicine)
- P-010) The functional roles of deubiquitinating enzyme HAUSP/USP7 in response to DNA damage  
Key-Hwan Lim (CHA University)
- P-011) Interferon Consensus Sequence-Binding Protein (ICSBP) regulates the transforming growth factor-beta type I receptor expression in osteosarcoma cells  
Jee Young Sung (National Cancer Center)
- P-012) Yeast-two-hybrid screen for interacting proteins of histone variant H3.3 mutations in childhood bone and brain tumors  
Minkyung Kim (National Cancer Center)
- P-013) In Silico Studies for Selectivity Prediction of Dvl PDZ Domain Inhibitor  
Se Young Oh (Yonsei University)
- P-014) Single-cell RNA Sequencing Reveals Key Expression Signatures in Primary Breast Cancer  
WooSung Chung (Samsung Advanced Institute for Health Science and Technology, Sungkyunkwan University)
- P-015) Comparative Analysis of Paired Primary and Metastatic Colorectal carcinoma by RNA Sequencing  
Ja-Rang Lee (Pusan National University Hospital)

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## Scientific Program

June 18 (Thu)

### Poster Presentation

09:00~17:00, Emerald Room

- P-016) Identification of tumor suppressor microRNA in smoking-related lung carcinogenesis  
Jae Sook Sung (Cancer Research Institute, Korea University)
- P-017) MicroRNA expression profiling in lung cancer using massively parallel sequencing technique  
Hui-Young Lee (Kangwon National University School of Medicine)
- P-018) Retrospective study of human tumor xenograft mouse models  
Ji-Young Lee (Korea Institute of Radiological and Medical Sciences)
- P-019) Bioluminescence-activated deep-tissue photodynamic therapy of cancer  
Yi Rang Kim (Yuseong Sun General Hospital)
- P-020) Advanced siRNA library screening for targeted cancer therapy  
Mee Song (Sookmyung Women's University)
- P-021) Global analysis of gene expression reveals transcriptional regulation mechanisms of Jinfukang in lung cancer  
Yani Kang (Shanghai Jiao Tong University, China)
- P-022) Smart screening platform for mutation-oriented cancer therapy  
Nayoung Kim (Sookmyung Women's University)
- P-023) Isolation of gastric cancer stem-like cell using Spheroid Film in gastric cancer cell lines  
Jong Won Lee (Cancer Research Institute, Korea University)
- P-024) Analgesic Effect of Quetiapine in the Cancer Induced Bone Pain Animal Model  
Mi Hwa Heo (Keimyung University School of Medicine)
- P-025) Anti-metastatic effect of Arctigenin on human breast cancer cell lines  
Kyung-Soo Nam (Dongguk University College of Medicine)
- P-026) Compound mutations in KRAS and LKB1 drive EMT in lung cancer  
Joo Young Lee (Yonsei University College of Medicine)
- P-027) Breast cancer metastasis suppressor 1 attenuates cancer cell epithelial-mesenchymal transition  
Kyung Hwa Cho (Konyang University College of Medicine)
- P-028) Fused Toes Homolog (FTS) facilitates EGF-induced epithelial-mesenchymal transition (EMT) and migration of cervical  
Woo-Yoon Park (Chungbuk National University College of Medicine)
- P-029) HGF mediated up-regulation of Lipocalin 2 regulates MMP9 through Nuclear Factor-kB Activation  
Sung Ae Koh (Yeungnam University College of Medicine)
- P-030) MiR-200 suppresses BMP4 that promotes tumorigenesis and metastasis in lung adenocarcinoma  
Young-Ho Ahn (Ewha Womans University School of Medicine)
- P-031) Nesfatin-1 induces cell migration through upregulation of TGF alpha and FSP1 genes in prostate cancer PC-3 cells  
Eun Ji Im (Seoul Women's University)
- P-032) Rab coupling protein aggravates cancer cell invasion through the beta1 integrin/EGFR/Ras signaling axis  
Min Ha Hwang (Konyang University College of Medicine)
- P-033) Snail mediates Rab25-induced MCF-7 breast cancer cell EMT and invasion  
Bo Young Jeong (Konyang University College of Medicine)
- P-034) ZEB1 sensitizes lung adenocarcinoma cells to metastasis suppression by PI3K-targeted therapy  
Young-Ho Ahn (Ewha Womans University School of Medicine)

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P-035) LOXL4 downregulation enhances primary tumor growth and lung metastasis through ECM deposition and remodeling

Sul Ki Choi (Seoul National University College of Medicine)

P-036) Secreted IL-6 of tumor associated macrophage inhibits hypoxia induced cell death of human breast cancer cells via IL-6R mediated STAT3 signaling

Wol Soon Jo (Dong Nam Institute of Radiological and Medical Sciences)

P-037) Intracardiac tumor thromboembolism initially detected by 18F-FDG PET/CT.

Sinae Lee (Korea University College of Medicine, G Sam Hospital)

P-038) HER2 as a novel therapeutic target for cervical cancer

Young Jae Cho (Samsung Medical Center, Sungkyunkwan University School of Medicine)

P-039) Seven low-mass ions in pretreatment serum as potential predictive markers of the preoperative chemoradiotherapy response in patients with locally advanced rectal cancer

Seung-Gu Yeo (Soonchunhyang University College of Medicine)

P-040) Cancer Panel Analysis of Circulating Tumor Cell in Breast Cancer Patients

Soo Jeong Lee (Cytogen Inc.)

P-041) Mislocation and interaction of protein in cancer progression

Enkhjargal Bayarsaikhan (National Cancer Center of Mongolia)

P-042) The prognostic value of miRNA-200 family in various cancer: a systemic review and meta-analysis

Yoon Ho Ko (College of Medicine, The Catholic University of Korea)

P-043) Utility of circulating tumor cell (CTC) in advanced gastric cancer

Won Suk Lee (Song-Dang Institute for Cancer Research, Yonsei University)

P-044) Multiple mechanisms of antitumor activity of Gracilariopsis lemaneiformis polysaccharide in lung cancer cells

Yani Kang (Ningbo University School of Marine Sciences, China)

P-045) Integrated genomics approaches identify protein X as a novel therapeutic target to overcome erlotinib resistance in non-small cell lung cancer

Nayoung Kim (Samsung Advanced Institute for Health Sciences and Technology, SungKyunKwan University)

P-046) Inhibition of Polo-like kinase 1 Selectively Promotes Regression of RAS Mutant Bladder Cancer

YANG WANG (Shanghai Cancer Institute Shanghai Jiao Tong University, China)

P-047) Frequent somatic mutations in cancer-related genes in patients with Lynch-like Syndrome

So Young Kang (Samsung Medical Center, Sungkyunkwan University School of Medicine)

P-048) Capillary microfluidics-derived doxorubicin-containing human serum albumin microbeads for transarterial chemoembolization of hepatic cancer

Sugeun Yang (Inha University School of Medicine)

P-049) Evaluation of molecular target agents loaded biodegradable microstructures fabricated by X-ray lithography for a targeted and sustained drug delivery system

Eun-Goo Jeong (Seoul National University College of Medicine)

P-050) Radiosensitizing effect of Lapatinib in HER2-positive breast cancer cells

Tosol Yu (Seoul National University College of Medicine)

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**09:00~17:00, Emerald Room**

P-051) Association of Long-term exposure to Extremely low frequency magnetic field and the effects of Possible Carcinogens.

Min Kyu Kim (Seoul National University)

P-052) Cancer incidence and mortality among Mongolian population 2013

Undarmaa Tudev (National Cancer Center of Mongolia)

P-053) Medical Costs and Healthcare Utilization among Cancer Decedents in the Last Year of Life in 2009

Jong Hyock Park (Chungbuk National University College of Medicine)

P-054) Oncologist Perspectives on Rare Cancer Care: A Nationwide Survey

Jong Hyock Park (Chungbuk National University College of Medicine)

P-055) Oncologists' Experience with Patients with Second Primary Cancer and the Attitudes toward Second Primary Cancer Screening: A Nationwide Survey

Jong Hyock Park (Chungbuk National University College of Medicine)

P-056) Recent decrease in colorectal cancer mortality rate is affected by birth cohort effects in Korea

Aesun Shin (Seoul National University College of Medicine)

P-057) Responses to overdiagnosis in thyroid cancer screening among Korean women

Sangeun Lee (National Cancer Center)

P-058) Risks of subsequent primary cancers: a Nationwide, population-based study in Korea

Young-Joo Won (National Cancer Center)

P-059) "Assessment of delta np63 expression in different grades of oral squamous cell carcinoma using immunostaining methods"

Shakil Moidin (College of dentistry Al Rass, Qassim University, Kingdom of Saudi Arabia)

P-060) Expression patterns of c-kit, c-met, HER-2, EGFR, and p53 in head and neck adenoid cystic carcinoma with high-grade transformation

Kyung-Ja Cho (University of Ulsan College of Medicine, Asan Medical Center)

P-061) Genetic alteration other than B-raf mutation and its clinical implication in high-risk papillary thyroid cancer

Min-Young Lee (Soonchunhyang University Hospital)

P-062) Intracranial metastasis of the spinal cord anaplastic astrocytoma: A case report

Choong Hyun Kim (Hanyang University Guri Hospital)

P-063) Management of Adenoid Cystic Carcinoma of The Hard Palate

Hamida Hayati Faisal (Dr. Cipto Mangunkusumo National General Hospital, Indonesia)

P-064) Palliative quad shot radiotherapy in previously untreated advanced head and neck cancer

Tahir Mehmood (Shaukat Khanum Memorial Cancer Hospital and Research Centre, Pakistan)

P-065) Patterns of Neck Recurrence After Postoperative Radiotherapy of tonsillar cancer: analysis of Korean Radiation Oncology Group 11-07 data

Noorie Choi (Seoul National University College of Medicine)



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- P-066) Survival outcomes in Early Glottic Carcinoma; A single institution experience.  
Kamran Saeed (Shaukat Khanum Memorial Cancer Hospital and Research Centre, Pakistan)
- P-067) The changes in patterns of care and treatment outcomes of hypopharyngeal cancer  
Ji Hyun Kim (Seoul National University College of Medicine)
- P-068) The level of demoralization, depression and anxiety among head and neck cancer patients  
Tahir Mehmood (Shaukat Khanum Memorial Cancer Hospital and Research Centre, Pakistan)
- P-069) The role of frozen section in the diagnosis of thyroid nodules  
Phuc Huu Nguyen (University of Medicine and Pharmacy of Ho Chi Minh City, Viet Nam)
- P-070) Blockade of non-classical genomic estrogen receptor alpha (ER $\alpha$ ) signaling pathway by tamoxifen enhances cytotoxic effects of trastuzumab in HER2-positive SK-BR-3 tumorspheres  
Soyoung Kim (Dongguk University College of Medicine)
- P-071) Brain metastases in HER2- positive breast cancer patients - a single institute experience  
Tahir Mehmood (Shaukat Khanum Memorial Cancer Hospital and Research Centre, Pakistan)
- P-072) CKAP2 (cytoskeleton-associated protein2) is a new prognostic marker in luminal type breast cancer.  
Sung Hoon Sim (National Cancer Center)
- P-073) Clinical outcome of tripple negative non-metastatic breast cancer  
Kamran Saeed (Shaukat Khanum Memorial Cancer Hospital and Research Centre, Pakistan)
- P-074) HSP90 inhibitor, 17DMAG, is effective in overcoming lapatinib resistant HER2 overexpressing breast cancer cell line  
Hye Jin Lee (Korea University College Medicine)
- P-075) Long term disease control with weekly paclitaxel in a patient with heavily metastatic breast cancer  
Jong-Min Baek (Bucheon St Mary's Hospital, The Catholic University of Korea)
- P-076) Low-grade myofibroblastic sarcoma arising in fibroadenoma - A Case report -  
Na-Hye Myung (Dankook University College of Medicine)
- P-077) Malignant adenomyoepithelioma of the breast and eribulin responsiveness  
Suee Lee (Dong-A University College of Medicine)
- P-078) MiRNA200/SerpB2 promotes lung metastasis in breast cancer  
Tiefeng Jin (Seoul National University Hospital)
- P-079) Objective Measurement of Cosmetic Outcomes of Breast Conserving Therapy Using BCCT.core  
Tosol Yu (Seoul National University College of Medicine)
- P-080) Overexpression of leucine-rich repeat kinase-2 (LRRK2) is associated with STAT3 signaling in Breast cancer  
Kyungsoo Jung (Samsung Advanced Institute for Health Sciences & Technology, Sungkyunkwan University School of
- P-081) photoacoustic imaging Application using Gold Nanoparticles for the breast cancer diagnosis  
MeiHua Zhang (Seoul National University College of Medicine)
- P-082) Selective FGFR inhibitor, AZD4547, modulates bone microenvironment by suppressing RANKL/M-CSF/Osteocalcine induced osteoclastogenesis in FGFR-amplified breast cancer  
Jinho Kang (Korea University College of Medicine)

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**09:00~17:00, Emerald Room**

- P-083) Single Cell Transcriptomic Heterogeneity in Primary Breast Cancer  
Hye Hyeon Eum (Seoul National University College of Medicine)
- P-084) Taxanes based neoadjuvant chemotherapy in advanced non-metastatic breast cancer  
Tahir Mehmood (Shaukat Khanum Memorial Cancer Hospital and Research Centre, Pakistan)
- P-085) Clinical and geriatric parameters associated with treatment interruption in elderly patients with cancer  
Hye Sung Won (College of Medicine, The Catholic University of Korea)
- P-086) Clinical implication of body mass index and skeletal mass index in the elderly patients with solid tumors  
Der Sheng Sun (College of Medicine, The Catholic University of Korea)