



## Scientific Program

June 16 (Thu)

### Educational Session

#### 1: Innovative treatment of medical oncology

08:30-09:40, Crystal Ballroom A

Chairs: Joon Oh Park (Samsung Medical Center)

Myung Ah Lee (The Catholic University of Korea College of Medicine)

- 1) Innovative treatment of malignant lymphoma  
Seok Jin Kim (Samsung Medical Center)
- 2) Innovative treatment of lung cancer  
Eun Joo Kang (Korea University College of Medicine)
- 3) Innovative treatment of ovarian cancer  
Jae Ho Byun (The Catholic University of Korea College of Medicine)

#### 2: Current status and future perspectives of radiotherapy in hepatocellular carcinoma

08:30-09:40, Crystal Ballroom B

Chairs: Jae-Sung Kim (Seoul National University College of Medicine)

Joo-Young Kim (National Cancer Center)

- 1) Radiotherapeutic strategies in management of hepatocellular carcinoma  
Jinsil Seong (Yonsei University College of Medicine)
- 2) Recent updates on precision radiotherapy for hepatocellular carcinoma  
Hee Chul Park (Samsung Medical Center)
- 3) Radiation induced hepatic toxicity and how to avoid it  
Tae Hyun Kim (National Cancer Center)

#### 3: Updated management of peritoneal surface malignancy

08:30-09:40, Crystal Ballroom C

Chairs: Jong-Inn Lee (Korea Institute of Radiological & Medical Sciences)

Sang-Yoon Park (National Cancer Center)

- 1) Peritoneectomy  
Myong Cheol Lim (National Cancer Center)
- 2) Updated management of peritoneal surface malignancy: HIPEC  
Seung Hyuk Baik (Yonsei University College of Medicine)
- 3) EPIC for gastric cancer  
Oh Kyoung Kwon (Kyungpook National University School of Medicine)

### Young Investigator Symposium ( I )

08:30-09:40, Sapphire Ballroom B

Chair: Myung Ju Ahn (Samsung Medical Center)

- 1) Next-generation sequencing analysis of clinical tissue samples  
Guhyun Kang (Inje University College of Medicine)
- 2) Clinical pharmacologic aspects of immune checkpoint inhibitors in cancer therapy  
Kyu-pyo Kim (Asan Medical Center)



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### Young Investigator Symposium ( II )

08:30-09:40, Sapphire Ballroom C

Chair: Kyung Hae Jung (Asan Medical Center)

1) Cripto-1 elicits intrinsic resistance to EGFR tyrosine kinase inhibitors via miR-205/SRC axis in Non-Small cell lung cancer harboring EGFR-Sensitizing mutations

Kang-Seo Park (Asan Medical Center)

2) How to overcome TRAIL resistance in cancer stem cells ?

Dae-Hee Lee (Korea University College of Medicine)

3) Function of tumour-stroma in gastric cancer progression

Hoon Hur (Ajou University School of Medicine)

### Plenary Lecture 1 (in English)

10:00-10:30, Crystal Ballroom

Chair: Si-Young Kim (Kyung Hee University School of Medicine)

#### Evolution of systemic treatment for advanced gastric cancer

Yung-Jue Bang, M.D., Ph.D. (Seoul National University College of Medicine)

### Plenary Lecture 2 (in English)

10:30-11:20, Crystal Ballroom

Chair: Kyu-Won Kim (Seoul National University College of Pharmacy)

#### Hypoxia, metabolism, and tumor progression

M. Celeste Simon, Ph.D. (Department of Cell and Developmental Biology, University of Pennsylvania Perelman School of Medicine, USA)

### Gastric Cancer Master Class (in English)

10:30~13:00, Belle-vue Suite

Chair: Lin Shen (Peking University Cancer Hospital and Institute, China)

Li-Tzong Chen (NICR, National Health Research Institute, Taiwan)

1) Current standard care of adjuvant/neoadjuvant approach in Gastric Cancer

Yeul Hong Kim (Korea University College of Medicine)

2) Metastatic gastric cancer treatment: review of immunotherapy clinical trial

Kohei Shitara (National Cancer Center Hospital East, Japan)

3) Translational research for gastric cancer

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

4) Panel Case Discussion

Matthew Ng (National Cancer Center Singapore, Singapore), Yee Chao (Taipei Veterans General Hospital, Taiwan)



## Scientific Program

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### Symposium 1 (in English)

12:40-14:20, Crystal Ballroom A

Joint Symposium (Korean Cancer Association & Korea Genome Organization)

#### Driving new omics-approaches to precision medicine

Chairs: Jong-Il Kim (Seoul National University College of Medicine)

Yeon-Su Lee (National Cancer Center)

- 1) Real-world application of NGS to advanced lung cancer patients  
Se-Hoon Lee (Samsung Medical Center)
- 2) Genetic understanding of liposarcoma  
Murim Choi (Seoul National University College of Medicine)
- 3) Molecular prognostication of cholangiocarcinoma  
Hyun Goo Woo (Ajou University School of Medicine)
- 4) Transposable elements-associated structure variation from Korean genome  
Kyudong Han (Dankook University)

### Symposium 2

12:40-14:20, Crystal Ballroom B

Joint Symposium (Korean Cancer Association & Korean Society of Radiation Bioscience)

#### Immune modulation by radiation therapy

Chairs: Won Park (Samsung Medical Center)

Ho-Young Lee (Seoul National University Bundang Hospital)

- 1) Immune modulation by radiation  
Jie-Young Song (Korea Institute of Radiological & Medical Sciences)
- 2) Hypoxia and immune modulation  
G-One Ahn (Pohang University of Science and Technology)
- 3) Tumor hypoxia and radiation therapy  
Kwangmo Yang (Dongnam Institute of Radiological & Medical Sciences)
- 4) In vivo imaging of immune modulation  
Myung Geun Song (Seoul National University College of Medicine)



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### Symposium 3

12:40-14:20, Crystal Ballroom C

Joint Symposium (Korean Cancer Association & The Korean Society of Pathologists)

#### Companion diagnostics in pathology for precision medicine

Chairs: Geon Kook Lee (National Cancer Center)

Jin-Haeng Chung (Seoul National University College of Medicine)

1) Points to consider in the development of in vitro companion diagnostic devices: assay selection, validation, compliance, and reimbursement issue

Young Kee Shin (Seoul National University College of Pharmacy)

2) Companion biomarkers in breast cancer

Chungyeul Kim (Korea University College of Medicine)

3) Biomarkers and companion diagnostics for lung cancer in the era of precision medicine

Lucia Kim (Inha University School of Medicine)

4) Molecular diagnosis and research for precision medicine in gastrointestinal cancer

Hye Seung Lee (Seoul National University Bundang Hospital)

5) Guideline for evaluation and approval of in vitro companion diagnostic devices

Hyeon Joo Oh (Ministry of Food & Drug Safety)

### Symposium 4 (in English)

12:40-14:20, Sapphire Ballroom B

Joint Symposium (Korean Cancer Association & Shanghai Cancer Institute)

#### Novel strategies for cancer therapy (I)

Chairs: Zhi-Gang Zhang (Shanghai Cancer Institute, China)

Ho-Young Lee (Seoul National University College of Pharmacy)

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) Complex adaptive therapeutic strategy (CATS) for cancer control

In-San Kim (Korea Institute of Science & Technology / Korea University)

4) Clinical sequencing and developing PDX model for genitourinary cancers

Yeun-Jun Chung (The Catholic University of Korea College of Medicine)



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### Symposium 5 (in English)

14:40-16:20, Crystal Ballroom A

Joint Symposium (Korean Cancer Association & Korean Association for Lung Cancer)

#### How to mobilize immune system to combat lung cancer?

Chairs: Eun Kyung Choi (Asan Medical Center)

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

1) Basic concept of immune checkpoint inhibition

Eui-Cheol Shin (KAIST)

2) Anti-PD1 and anti-PDL1 strategies in NSCLC

Ross Soo (National University Cancer Institute, Singapore)

3) Balanced radiotherapy effect on immunomodulation in lung cancer

Si Yeol Song (Asan Medical Center)

4) Case discussion

Hyo Sup Shim (Yonsei University College of Medicine), Byoung Chul Cho (Yonsei University College of Medicine)

### Symposium 6

14:40-16:20, Crystal Ballroom B

#### Survivorship in rapidly changing landscape of cancer care

Chairs: Kyung Hee Lee (Yeungnam University College of Medicine)

Ki Hyeong Lee (Chungbuk National University College of Medicine)

1) Changing paradigm of caregiving in precision medicine and immuno-oncology era

Dae Ho Lee (Asan Medical Center)

2) Needs in community programs to disseminate lifestyle intervention for cancer survivors

Sang Min Park (Seoul National University College of Medicine)

3) Integrating psycho-oncology to improve mental-care for elderly survivors

Hye Youn Park (Seoul National University Bundang Hospital)

4) Late effects and their lives of childhood cancer survivors

Jung Woo Han (Yonsei University College of Medicine)

### Symposium 7 (in English)

14:40-16:20, Crystal Ballroom C

#### Exploring non-coding RNAs: Fine tuners in tumorigenesis

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

Suck Woo Nam (The Catholic University of Korea College of Medicine)

1) nc886, a novel type of non-coding RNA that links the TGF-beta and miRNA pathways

Yong Sun Lee (University of Texas Medical Branch, USA)

2) Clinical applications of microRNAs in pancreatic cancer

Jin-Hyeok Hwang (Seoul National University Bundang Hospital)

3) Role of viral miRNAs in EBV-associated gastric carcinoma

Suk Kyeong Lee (The Catholic University of Korea College of Medicine)

4) Bioinformatics approaches: miRNAs and cancer

Seungyoon Nam (Gachon University College of Medicine)



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### Symposium 8 (in English)

14:40~16:20, Sapphire Ballroom B

Joint Symposium (Korean Cancer Association & Shanghai Cancer Institute)

#### Novel strategies for cancer therapy (II)

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

Young-Ki Paik (Yonsei University College of Life Science and Biotechnology)

1) Development of cancer-specific anti-EGFR CAR-T cells for the treatment of patients with glioblastoma

Zonghai Li (Shanghai Cancer Institute, China)

2) Serotonin system in pancreatic ductal adenocarcinoma

Zhi-Gang Zhang (Shanghai Cancer Institute, China)

3) Microenvironmental regulation of tumor progression in glioma

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

4) Development of HER2 aptamer-DM1 conjugate for HER2 positive breast cancer

Jae Hong Seo (Korea University College of Medicine)

### Symposium 9 (in English)

14:00-16:00, Belle-vue Suite

Joint Symposium (Korean Cancer Association & UICC - ARO)

#### Cancer and Universal Health Coverage (UHC) in Asia

Chairs: Hideyuki Akaza (The University of Tokyo, Japan)

Jae Kyung Roh (Yonsei University College of Medicine, Korea)

1) Universal health coverage of cancer in Korea: Prospect and challenge

Eun-Cheol Park (Yonsei University College of Medicine, Korea)

2) UHC in Japan: Prospect and challenge

Shinjiro Nozaki (WHO Kobe Center, Japan)

3) Household burden on treating cancer and the Universal Health Coverage in Indonesia

Hasbullah Thabrany (Universitas Indonesia, Indonesia)

4) What is the Cross-Boundary studies in the future university?: Globalization and the new era of human knowledges

Shunya Yoshimi (The University of Tokyo, Japan)

5) The road toward UHC: Promoting cancer education in community

Norie Kawahara (The University of Tokyo, Japan)

6) UHC and equality of cancer statistics in Korea

Sohee Park (Graduate School of Public Health, Yonsei University, Korea)

7) UHC and Comprehensive plan of cancer control in Korea

Duk Hyoung Lee (National Cancer Center, Korea)



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### Symposium 10 (in English)

16:20~18:00, Crystal Ballroom A

#### Imaging companion diagnostic

Chairs: Joo Hang Kim (CHA University School of Medicine)  
Seoung-Oh Yang (Dongnam Institute of Radiological & Medical Sciences)

- 1) Molecular imaging based targeted therapy  
Ho-Young Lee (Seoul National University Bundang Hospital)
- 2) Theranostics in cancer treatment  
Byeong-Cheol Ahn (Kyungpook National University School of Medicine)
- 3) Imaging guided therapy in brain tumors  
Seung Hong Choi (Seoul National University College of Medicine)

### Symposium 11 (in English)

16:20~18:00, Crystal Ballroom C

#### Evidence and guideline for cancer prevention and screening in Korea

Chairs: Sang Won Shin (Korea University College of Medicine)  
Seung-Yong Jeong (Seoul National University College of Medicine)

- 1) PAF (Population Attributable Factors) estimation for cancer development  
Sohee Park (Graduate School of Public Health, Yonsei University)
- 2) Development of evidence based 10 codes and guidelines for cancer prevention in Korea  
Min Kyung Lim (National Cancer Center)
- 3) Seven cancer screening guideline revised/developed by evidence-based methods  
Yeol Kim (National Cancer Center)
- 4) Randomized controlled trial on Helicobacter pylori eradication effect for gastric cancer prevention  
Il Ju Choi (National Cancer Center)

### Satellite Symposium 1 (in English)

11:30-12:20, Crystal Ballroom

Chair: Jin Hyoung Kang (The Catholic University of Korea College of Medicine)

#### Immunotherapy, a new paradigm shift for NSCLC (by MSD)

Pouliot, Jean Francois (Executive director, International medial lead for lung cancer, MSD)



## Scientific Program

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### International Session (Oral, in English)

#### IT 1. Basic & Clinical Research 1

12:40~13:25, Sapphire Ballroom A

Chairs: Jinsil Seong (Yonsei University College of Medicine, Korea)  
Yong Man Kim (Asan Medical Center, Korea)

IT-01 Evidence-based nursing in cancer patients with pain in the care applications

Min Xin Liu (The First Hospital of Jilin University, Changchun, China)

IT-02 Treatment preferences of patients with advanced ovarian cancer for the addition of bevacizumab to first line therapy

Jung-Yun Lee (Yonsei University, Korea)

IT-03 A Nationwide Epidemiological Study of Newly Diagnosed Spine Metastasis in the Adult Korean Population

Seil Sohn (Bundang Cha Medical Center, CHA University, Korea)

#### IT 2. Breast cancer & Head and neck cancer

14:40~15:10, Sapphire Ballroom A

Chair: Jee Hyun Kim (Seoul National University College of Medicine, Korea)

IT-04 FOXO3a Overexpression is Associated with Lymph Node Metastasis and Poor Disease-Free Survival in Triple-Negative Breast Cancer

Abdul Rehman (Hanyang University College of Medicine, Korea)

IT-05 NOP14 promotes nasopharyngeal carcinoma progression by promoting ribosome biogenesis-associated mTOR2 activation and Akt stabilization

Bo-Hua Kuang (Sun Yat-sen Univ. Cancer Center, China)

#### IT 3. Basic research 2

16:20~17:20, Sapphire Ballroom A

Chairs: Seung Sook Lee (Korea Institute of Radiological & Medical Sciences, Korea)

Hyeong-Gon Moon (Seoul National University College of Medicine, Korea)

IT-06 Transcriptome profiling reveals the anticancer mechanism of polysaccharide from *Gracilariopsis lemaneiformis*

Yani Kang (Shanghai Jiao Tong University School of Biomedical Engineering, China)

IT-07 Tristetraprolin inhibits mitochondrial function through suppression of  $\alpha$ -Synuclein expression in cancer cells

Mai Tram Vo (University of Ulsan, Korea)

IT-08 Oncogenic miR-155 Positively Drives Energy Metabolism in Breast Cancer

Suhwan Chang (University of Ulsan School of Medicine, Korea)

IT-09 Aneuploidy of Chromosome 8 in Circulating Tumor Cells Correlates with Prognosis in Patients with Advanced Gastric Cancer

Yilin Li (Key Laboratory of Carcinogenesis and Translational Research, Peking University Cancer Hospital & Institute, China)





## Scientific Program

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**IT 4-1. Radiation oncology**

**16:20~16:50, Sapphire Ballroom B**

Chairs: Il Han Kim (Seoul National University College of Medicine, Korea)  
Dae Yong Kim (National Cancer Center, Korea)

IT-10 Analysis of clinical outcomes and dosimetric parameters of total body irradiation (TBI) using cobalt beam therapy as a conditioning regimen in allogeneic bone marrow transplant

Harish Kumar Kaluram (Cancer Institute(WIA), Adyar, Chennai, India)

IT-11 Bundles of care for patients with central nervous system malignant tumor during radiotherapy

Min Xin Liu (The First Hospital of Jilin University, Changchun, China)

**IT 4-2. Other GI cancers**

**16:50~17:35, Sapphire Ballroom B**

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

IT-12 Perioperative outcomes of pancreaticoduodenectomy in a tertiary centre in Nepal

Sumita Khoju Shrestha Pradhan (MCh Surgical gastroenterology, Nepal)

IT-13 Translational study for the role of micrnas in liver carcinogenesis and developing personalized treatment

Hongping Xia (Yijishan Hospital of Wannan Medical College, Wuhu, China)

IT-14 Outcome after surgery for extremity soft tissue sarcoma in patients presenting with metastasis at diagnosis

Chandra Kumar Krishnan (Seoul National University Hospital, Korea)



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### **IT 5-1. Gastric cancer**

**16:20~17:20, Sapphire Ballroom C**

Chairs: Taroh Satoh (Osaka University Graduate School of Medicine, Japan)  
Kyoung-Mee Kim (Samsung Medical Center, Korea)

IT-15 Prognostic Significance of Human Epidermal Growth Factor Receptor in Adenocarcinoma of Stomach

Bishnu Prasad Kandel (Tribhuvan University Teaching Hospital, Nepal)

IT-16 A phase II trial of trastuzumab combined with irinotecan in patients with advanced HER2-positive chemo-refractory gastric cancer: OGSG1203 (HERBIS-5)

Daisuke Sakai (Osaka University Graduate School of Medicine, Japan)

IT-17 The assessment of clinicopathological features, therapy pattern and prognostic factors of 146 gastric cancer patients with bone metastasis

Furong Kou (Key laboratory of Carcinogenesis and Translational Research, Peking University Cancer Hospital and Institute, Beijing, China)

IT-18 Prognostic Value of Metastatic Lymph Node Ratio in Gastric Cancer

Haibo Lu (Harbin Medical University Cancer Hospital, China)

### **IT 5-2. Colon cancer**

**17:20~18:00 Sapphire Ballroom C**

Chairs: Woo Yong Lee (Samsung Medical Center, Korea)  
Joong-Bae Ahn (Yonsei University College of Medicine, Korea)

IT-19 Surgical management of malignant gastric outlet obstruction: An institutional review in Nepal

Jayant Kumar Sah (Tribhuvan University Teaching Hospital, Nepal)

IT-20 Analysis of chemotherapy adherence to the European Society of Medical Oncology (ESMO) guidelines on the survival of patients with colon cancer

Guntara Khuzairi (Faculty of Medicine, Universitas Gadjah Mada, Indonesia)

IT-21 Prognostic analysis of colon cancer patients using elastic lamina invasion and ascitic CEA

Sun Min Park (The Catholic University of Korea College of Medicine, Korea)



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### Oral Presentation

#### OP 1-1. Breast cancer

12:40~13:50, Pine Room

Chairs: Gyungyub Gong (Asan Medical Center)  
Yeon Hee Park (Samsung Medical Center)

OP-01 Effects of postoperative radiotherapy on leptomeningeal carcinomatosis after resection of brain metastases in breast cancer patients

Boram Ha (National Cancer Center)

OP-02 Novel combination therapy effect of patient-derived xenograft (PDX) model in triple negative breast cancer patient

Da Kyung Yoo (National Cancer Center)

OP-03 Phase I/II clinical trial with everolimus (Afinitor) combined with gemcitabine/cisplatin in metastatic triple negative breast cancer

In Hae Park (National Cancer Center)

OP-04 Tumor derived IL-18 induced PD-1 expressed immunosuppressive NK cells in triple negative breast cancer

In Hae Park (National Cancer Center)

OP-05 Clinically significant unclassified variants in BRCA1 and BRCA2 genes among Korean breast cancer patients

Kyong-Ah Yoon (Konkuk University College of Veterinary Medicine)

OP-06 Outcome of women with pregnancy after breast cancer in Korea

Moo Hyun Lee (National Cancer Center)

OP-07 Prognostic impact of Del-1 expression in early breast cancer

Soo Jung Lee (Kyungpook National University School of Medicine)

#### OP 1-2. Pancreatic cancer

13:50~14:20, Pine Room

Chairs: Jun Suk Kim (Korea University College of Medicine)

Byoung Yong Shim (The Catholic University of Korea College of Medicine)

OP-08 Efficacy of chemotherapy in patients with pancreatic acinar cell carcinoma

Bumjun Kim (Kangnam Sacred Heart Hospital, Hallym University College of Medicine)

OP-09 Efficacy of Neoadjuvant FOLFIRINOX for Borderline Resectable Pancreatic Adenocarcinoma

Jihoon Kang (Asan Medical Center, University of Ulsan College of Medicine)

OP-10 Prognostic impact of KRAS mutation in plasma cell-free DNA in patients with pancreatic cancer

Min Kyeong Kim (National Cancer Center)



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**OP 2-1. Head & neck cancer**

**14:40~15:10, Pine Room**

Chairs: Hong-Gyun Wu (Seoul National University College of Medicine)  
Keon Uk Park (Keimyung University School of Medicine)

OP-11 HSPA5 regulates signaling switch from pro-survival to pro-apoptosis through lysosome inhibition in head and neck  
Chul-Ho Kim (Ajou University School of Medicine)

OP-12 A Multicenter Retrospective Study on the Impact of Initial Evaluation Duration to the outcome of Locally Advanced Head and Neck Squamous Cell Carcinoma Patients Treated with Concurrent Chemoradiation

Ji Young Moon (Chungnam National University Hospital)

OP-13 Ipilimumab real-world efficacy and safety in Korean melanoma patients from the Korean Named-Patient Program cohort  
Minkyu Jung (Yonsei University College of Medicine)

**OP 2-2. Colorectal cancer & GU cancer**

**15:10~15:40, Pine Room**

Chairs: Tae Won Kim (Asan Medical Center)

OP-14 Prognostic relevance of genetic variants involved in immune checkpoints in patients with colorectal cancer  
In Hee Lee (Kyungpook National University Medical Center)

OP-15 Prognostic Factors for Para-aortic Lymph Node Metastasis in Colon cancer  
Sung Uk Bae (Keimyung University and Dongsan Medical Center)

OP-16 Comparison of oncological outcomes between the adjuvant and salvage radiotherapy after the radical prostatectomy  
Myong Kim (Asan Medical Center, University of Ulsan College of Medicine)

**OP 3-1. Gastric cancer**

**14:40~15:30, Sapphire Ballroom C**

Chairs: Jae Moon Bae (Samsung Medical Center)

Jong Gwang Kim (Kyungpook National University School of Medicine)

OP-17 Helicobacter pylori infection and Risk of Gastric Cancer in Koreans : A Quantitative Systematic Review  
Jong-Myon Bae (Jeju National University School of Medicine)

OP-18 Efficacy and safety findings from DREAM: a phase III study of DHP107 (oral paclitaxel) vs IV paclitaxel in patients with gastric cancer after failure of first-line chemotherapy

Sang Cheul Oh (Korea University Guro Hospital)

OP-19 In vivo near-infrared mediated tumor destruction by carbon nanotubes and Zinc phthalocyanine nanowires  
Sang Ho Lee (Kosin University College of Medicine)

OP-20 Clinical significance of MET amplification in metastatic or locally advanced gastric cancer treated with first-line fluoropyrimidine and platinum combination chemotherapy

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

OP-21 Cancer Education Using Social Media at the Community based Cancer Center

Jaesung Heo (Ajou university school of medicine)



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**OP 3-2. Gastric cancer**

**15:30~16:20, Sapphire Ballroom C**

Chairs: Hong Suk Song (Keimyung University School of Medicine)

Eun-Kee Song (Chonbuk National University Medical School)

OP-22 Clinical significance of microRNA expression in patients with Epstein-Barr virus associated gastric cancer

Byung Woog Kang (Kyungpook National University School of Medicine)

OP-23 Gastrointestinal stromal tumors of the esophagus: a clinicopathologic and mutation study of 27 cases

Guhyun Kang (Sanggye Paik Hospital, Inje University)

OP-24 Association of BRCA1 and BRCA2 mRNA and protein expression and adjuvant chemotherapy effect in sporadic gastric cancer patients

Hee Sung Kim (Chung-Ang University College of Medicine)

OP-25 Establishment and characterisation of patient-derived xenografts as high fidelity preclinical models for gastric cancer

Jae Eun Lee (Yonsei University College of Medicine)

OP-26 Personalized para-clinical trials using patient derived xenograft models identify novel therapeutic strategy for FOLFOX resistant gastric cancer

Jae Eun Lee (Yonsei University College of Medicine)

**OP 4. Basic research 1**

**16:20~17:30, Pine Room**

Chairs: Yong-Sung Juhn (Seoul National University College of Medicine)

Woong-Yang Park (Samsung Genome Institute, Samsung Medical Center)

OP-27 Detecting primary KIT mutations in presurgical plasma of patients with gastrointestinal stromal tumor

Guhyun Kang (Sanggye Paik Hospital, Inje University College of Medicine)

OP-28 TGF- $\beta$ 1 signaling-mediated lymphangiogenesis in gastric cancer

Kyung Ho Pak (Hallym University College of Medicine)

OP-29 AZD6738, a novel oral inhibitor of ATR, induces synthetic lethality with ATM-deficiency in gastric cancer cells

Ahrum Min (Seoul National University Hospital)

OP-30 Combination of IGF-receptor and ligands as sensitivity biomarker to IGF targeting antibody in gastric cancer cell lines

Inhye Jeong (Yonsei university)

OP-31 Identification of Multiplex Gene Mutations of Cell Free DNA using Ion AmpliSeq Cancer Hotspot Panel in Non-small Cell Lung Cancer Patients

Jae Sook Sung (Korea University)

OP-32 Outlier genes as novel therapeutic targets in breast cancer

Kyungsoo Jung (Sungkyunkwan University)

OP-33 The Similarities and Differences between Intracranial and Spinal Ependymomas : A Review and meta-analysis from a Genetic Research Perspective

Chang-Hyun Lee (Ilsan Paik Hospital, Inje Univ.)



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### Poster Presentation

09:00~17:00, Emerald Room

- P-001 Use of Antidepressant and Risk of Cancer: A Meta-Analysis of Case-Control and Cohort Studies  
Dayoung Song (National Cancer Center)
- P-002 Trends in Participation Rates of the National Cancer Screening Program in Korea, 2002-2012  
Ha Na Cho (Graduate School of Cancer Science and Policy)
- P-003 Arctigenin suppresses cell proliferation and EGF-induced metastatic potential in SK-BR-3 HER2-overexpressing breast cancer cells  
Kyung-Soo Nam (Dongguk University)
- P-004 Interaction between common genetic variants and smoking on colorectal cancer risk  
Nan Song (Cancer Research Institute, Seoul National University)
- P-005 Validity of Self-reported Cancer History in Health Examinees (HEXA) Study: A Comparison of Health Examination Survey Data and Cancer Registry Records  
Sooyoung Cho (Seoul National University College of Medicine)
- P-006 10-year efforts to increase uptake of colorectal cancer screening in Korea: trends in reasons for non-participation in colorectal cancer screening, 2005-2014  
Su Yeon Kim (Graduate School of Cancer Science and Policy, National Cancer Center)
- P-007 Tumorigenesis of human gastric cancer cell lines  
Seung Yeon Lee (Duksung Women's University)
- P-008 Ibutolcydine sensitizes human hepatocellular carcinoma cells to TRAIL-induced apoptosis via calpain-mediated Bax cleavage  
Seok Soon Park (Asan Medical Center)
- P-009 XAF1 suppresses TNF $\alpha$ -driven tumor progression through activation of receptor-mediated apoptosis and IRF-1-mediated blockade of NF- $\kappa$ B transactivation function  
Ye-Ji Jung (Korea University)
- P-010 HGF mediated upregulation of PHLDA2 is associated with apoptosis in gastric cancer  
Sung Ae Koh (College of Medicine, Yeungnam University)
- P-011 Preparation and evaluation of chrysin-loading copolymer nanoparticle as an anticancer agent in A549 cells  
Kyoung Mee Kim (Duksung Women's University)
- P-012 Linalool-incorporated nanoparticles as a novel anticancer agent for epithelial ovarian carcinoma  
Min Gi Kim (Konkuk University)
- P-013 Intelligent nanoparticles co-deliver 5-fluorouridine and 5-aza-2'-deoxycytidine to gastric cancer cells  
Mi Yang (The Comprehensive Cancer Center of Drum Tower Hospital, Medical School of Nanjing University, Clinical Cancer Institute of Nanjing University, China)
- P-014 Endocytosis inhibitor PAO restore EGFR-TKI sensitivity in wild-type EGFR lung cancer  
Boyeon Kim (Cancer Research Institute, Korea University College of Medicine)
- P-015 Targeting CK2 overexpression restores cisplatin resistance with CK2 inhibition gastric cancer  
Hyun Myong Kim (Yonsei University College of Medicine)
- P-016 SIRT1 deacetylase as a therapeutic target in NSCLC patients harboring KRAS codon 12 mutation  
Jeong Yeon Jo (Graduate School of System Cancer Science and Policy, National Cancer Center)
- P-017 The role of SPHK1 in acquired resistance to oxaliplatin or 5-FU in colon cancer cell lines  
Myung Ah Lee (Seoul St. Mary's Hospital, The Catholic University of Korea)



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- P-018 Applicability of Histoculture Drug Response Assays for adjuvant chemotherapy in patients with advanced colorectal cancer  
Yong Sik Yoon (Asan Medical center, University of Ulsan College of Medicine)
- P-019 Radiosensitization of PI3K inhibitor HS-173 through reduced DNA repair in pancreatic cancer  
Junghee Park (Inha University)
- P-020 The Effect of Dietary Vitamin C on Gastric Cancer Risk in the Korean Population  
Bach Viet Hoang (Graduate School of Cancer Science and Policy, National Cancer Center)
- P-021 Selective screening among endometrial cancer for Lynch syndrome: single surgeon experience  
Min Kyu Kim (Samsung Changwon Hospital, Sungkyunkwan University School of Medicine)
- P-022 Stages of adoption for FOBT and colonoscopy tests for colorectal cancer screening in Korea  
Nhung Cam Bui (Graduate School of Cancer Science and Policy, National Cancer Center)
- P-023 Beliefs and willing to have lung cancer screening among Korean population  
Nhung Cam Bui (Graduate School of Cancer Science and Policy, National Cancer Center)
- P-024 Adverse events after fracture in patients with cancer: a nationwide study  
Yi-Chun Chou (China Medical University Hospital, Taiwan)
- P-025 Hyperthyroidism-related Transiently Altered Distribution of F-18 FDG in a Patient with Pulmonary Adenocarcinoma  
Myoung Hyoun Kim (Wonkwang University School of Medicine)
- P-026 Comparison between F-18 FDG PET/CT and I-123 MIBG imagings in Pheochromocytoma with a Novel Mutation (T201S) of Succinate Dehydrogenase B Gene  
Soon-Ah Park (Wonkwang University School of Medicine)
- P-027 Mass spectrometry-near infrared fluorescence imaging of the hypoxia region in tumor tissue  
Hyun-Kyung Lim (Duksung Women's University)
- P-028 The correlation with a photodynamic therapeutic efficacy and singlet oxygen measurement in tumor xenograft mouse model using PMT-based SOD system  
In-Wook Kim (Catholic-Harvard Wellman Photomedicine Center)
- P-029 XAF1 is a suppressor of glioma progression that promotes AMP-activated protein kinase-mediated apoptosis  
Hwi Wan Choi (Korea University)
- P-030 Integrated metabolomics – transcriptomics reveals Wnt-mediated metabolic reprogramming in cancer stem-like cells  
Hyun Jung Kee (Yonsei University College of Medicine)
- P-031 Locally dysregulated serotonin system regulates Warburg effect that supports pancreatic cancer growth under metabolic stress  
Shuheng Jiang (Shanghai Jiao Tong University, China)
- P-032 miR-34a and miR-34b/c have a synergistic inhibitory effect on lung cancer cell growth and invasion  
Jeong Seon Kim (Ewha Womans University College of Medicine)
- P-033 Suppression of miR-744-3p inhibits hypoxia-mediated metastasis through dual pathways in laryngeal squamous cell carcinoma  
Zenghong Li (Foshan hospital affiliated to Sun Yat-sen University, China)
- P-034 Diagnostic and prognostic value of expression of CCND1 splice variant cyclin D1b in thyroid cancer  
Chan Kwon Jung (College of Medicine, The Catholic University of Korea)



## Scientific Program

June 16 (Thu)

- P-035 Overexpression of *lncRNA-ATB* as a biomarker for prognosis of hepatocellular carcinoma  
Gyeonghwa Kim (Kyungpook National University School of Medicine)
- P-036 Germline PIK3R1 M326I variant as a genetic prognostic biomarker for HER2-positive gastric cancer  
Hyun Jeong Kim (Yonsei University)
- P-037 *TERT* promoter mutation and telomere length in hepatocellular carcinoma  
Jae-Ho Lee (School of Medicine, Keimyung University)
- P-038 Candidate biomarkers for VEGFR inhibitors in metastatic renal cell carcinoma : BIM protein expression and germline polymorphisms of BIM and PIK3R1  
Jee Hung Kim (Yonsei Cancer Center, Yonsei University of College of Medicine)
- P-039 Assessment of impact of gene polymorphism IL10 on outcomes of chronic viral hepatitis in Kazakh population: case-control study  
Meruyert R. Massabayeva (Semey State Medical University, Kazakhstan)
- P-040 Transducin-like enhancer of split-1 is expressed and functional in human salivary gland tumor  
So-Hyun Shin (Samsung Biomedical Research Institute, Samsung Medical Center)
- P-041 Molecular imaging development consisting of a specific peptide probe pancreatic cancer  
Yoon Jin Roh (Catholic-Harvard Wellman Photomedicine Center, The Catholic University of Korea)
- P-042 The U2AF1 S34 mutation is associated with isolated trisomy 8 and younger age of onset in myelodysplastic syndrome  
Kwantae Kim (Seoul National University College of Medicine)
- P-043 Gene Mutations in Inherited Bone Marrow Failure Syndrome Revealed by Next Generation Sequencing: Comparison with Chromosome Breakage Test  
Si Nae Park (Seoul National University College of Medicine)
- P-044 Improvement of ELISA method for detection of Del-1 exosomal protein increases the sensitivity and specificity for detection of breast cancer  
Sung-Jae Lee (Kyungpook National University School of Medicine)
- P-045 Inhibition of Polo-like kinase 1 Selectively Promotes Regression of *RAS* Mutant Bladder Cancer  
Yang Wang (Shanghai Jiao Tong University School of Medicine, Renji Hospital, Shanghai Cancer Institute, Shanghai, China)
- P-046 Overexpression of FOXO4 is a favorable prognosticator for invasive breast cancer  
Abdul Rehman (Hanyang University College of Medicine)
- P-047 A novel oncogenic role of Angiotensin II Type 1 Receptor (AGTR1) in regulating Epithelial-Mesenchymal Transition (EMT) and promoting breast tumor growth  
Eunhye Oh (Korea University College of Medicine)
- P-048 Anti-tumor Activity of the Wee-1 Inhibitor AZD1775 in Breast Cancer Cells  
Hee-Jun Kim (Chung-Ang University College of Medicine)
- P-049 Dexamethasone is cardioprotective in HER2-positive breast cancer patients receiving trastuzumab adjuvant therapy  
In-Ho Kim (Seoul St. Mary's Hospital, The Catholic University of Korea)
- P-050 Clinical Features of Male Breast Cancer: Experiences from Seven Institutions Over 20 Years  
Ji Hyung Hong (Incheon St. Mary's Hospital, The Catholic University of Korea)
- P-051 Capecitabine and cisplatin (XP) combination systemic chemotherapy in heavily pre-treated metastatic breast cancer  
Jieun Lee (Seoul St. Mary's Hospital, The Catholic University of Korea)





## Scientific Program

June 16 (Thu)

- P-052 Establishment of patient-derived tumor xenograft model with biopsy sample from breast cancer  
Myung-Ji Jung (National Cancer Center)
- P-053 Role of epithelial-mesenchymal transition in the progression of high-grade ductal carcinoma *in situ* into microinvasive carcinoma of the breast  
Na-Hye Myung (Dankook University College of Medicine)
- P-054 The relationship of histotypes of breast cancer and mutations in the BRCA1 and tp53 genes  
Bakytbek A. Apsalikov (Semey State Medical University, Kazakhstan)
- P-055 Young Age is Associated with Increased Locoregional Recurrence in Node-Positive Breast Cancer with Luminal Subtypes  
Sang-Won Kim (Ajou University School of Medicine)
- P-056 Phenotype changes in normal mammary epithelial cells driven by adjacent cancer cells  
Seol Hwa Jo (Seoul National University College of Medicine)
- P-057 Clinicopathological characteristics of patients with breast carcinoma who harbor p75 neurotrophins receptor (p75NTR)  
Meng Xu (The First Affiliated Hospital, Jinan University, Guangzhou, China)
- P-058 The molecular roles of PKC isoforms in the Wnt signaling pathway  
Soyoung Kim (School of Medicine and Intractable Disease Research Center, Dongguk University)
- P-059 Locoregional Recurrences After Mastectomy and Adjuvant Radiotherapy for Breast Cancer  
Tahir Mehmood (Shaukat Khanum Memorial Cancer Hospital and Research Centre, Lahore, Pakistan)
- P-060 Predictors of Early Cancer Related Mortality for T1/T2 Node Negative Breast Cancer – A Single Institute Experience  
Tahir Mehmood (Shaukat Khanum Memorial Cancer Hospital and Research Centre, Lahore, Pakistan)
- P-061 Different mode of action of celecoxib and Luteolin co-treatment on human breast cancer according to the receptor status  
Ye Won Jeon (St. Vincent's Hospital, College of Medicine, The Catholic University of Korea)
- P-062 Malignant phyllodes tumor with CNS metastasis ; A rare case report  
Yo-Han Park (Bucheon St Mary's Hospital, The Catholic University of Korea)
- P-063 Oncological safety of oncoplastic breast conserving surgery-compare with conventional breast conserving surgery  
Yumi Kim (Seoul National University College of Medicine)
- P-064 The prognostic impacts of postoperative radiotherapy in the patients with resected anaplastic thyroid carcinoma: A systematic review and meta-analysis  
Byoung Hyuck Kim (Armed Forces Medical Research Institute)
- P-065 Immunotherapy with adoptive transfer of cytokine-induced killer cells and concomitant chemoradiotherapy with temozolomide for glioblastoma  
Choong Hyun Kim (Hanyang University Guri Hospital)
- P-066 Meningocerebral dissemination and extracranial growth of squamous cell carcinoma in the esophagus: a case report  
Choong Hyun Kim (Hanyang University Guri Hospital)
- P-067 Tumor stage-related roles of radiotherapy for patients with external auditory canal and middle ear carcinoma  
Jinhyun Choi (Yonsei Cancer Center, Yonsei University College of Medicine)
- P-068 Clinical evaluation of inflammatory markers in head and neck cancer  
Soojung Hong (National Health Insurance Service, Ilsan Hospital)
- P-069 Association between EBV-encoding microRNA and radiation sensitivity in nasopharyngeal carcinoma  
Thian-Sze Wong (The University of Hong Kong, Hong Kong SAR)



## Scientific Program

**June 16 (Thu)**

- P-070 The putative tumor activator ARHGEF3 promotes nasopharyngeal carcinoma cell pathogenesis by inhibiting cellular apoptosis  
Tianhao Liu (Sun Yat-Sen Memorial Hospital, Sun Yat-Sen University, China)
- P-071 Hsa-miR-138-5p enhances the radiosensitivity of nasopharyngeal carcinoma by targeting eukaryotic translation initiation factor 4E binding protein 1  
Wei Gao (The University of Hong Kong, Hong Kong SAR)
- P-072 Loss of EZH2 accelerates STAT5 loss mediated fatty liver and cancer development through non-methyltransferase function  
Ka-Rham Kim (Chonnam National University Medical School)
- P-073 DNA methylation-mediated silencing of extracellular matrix protein CCBE1 promotes HCC progression through non-immune and immune mechanisms  
Guang-Ang Tian (Shanghai Cancer Institute, Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China)
- P-074 The role of Aurora B expression in non-tumor liver tissues of patients with hepatocellular carcinoma  
Lkhagva-Ochir Tovuu (National Cancer Center of Mongolia, Mongolia)
- P-075 Surgical Technique and Outcome of Transduodenal Ampullectomy for Benign and Malignant Ampullary Neoplasms  
Yang Won Nah (Ulsan University Hospital, University of Ulsan College of Medicine)
- P-076 Solitary skull metastasis as initial presentation of hepatocellular carcinoma – a case report  
Suman Phuyal (Tribhuvan University Teaching Hospital, Kathmandu, Nepal)
- P-077 Molecular Cytogenetic Changes of Pancreatic Cancer and Intraductal Papillary Mucinous Neoplasm  
Kyongok Im (Seoul National University College of Medicine)
- P-078 Capecitabine as second-line chemotherapy for gemcitabine refractory Pancreatic Cancer  
Sang Mi Ro (Seoul St. Mary's Hospital, The Catholic University of Korea)
- P-079 Atorvastatin, one drug used to lower cholesterol, inhibit pancreatic cancer cells proliferation and invasion  
Shengjun Ji (Nanjing Medical University Affiliated Suzhou Hospital, Jiangsu, China)
- P-080 Change in CA19-9 levels as a prognostic marker of overall survival in locally advanced pancreatic cancer treated with chemoradiotherapy  
Yi-Jun Kim (Ewha Womans University School of Medicine)
- P-081 Unmet needs of non-Hodgkin lymphoma survivors in Korea: Prevalence, correlates, and associations with health-related quality of life  
Im-Ryung Kim (Cancer Education Center, Samsung Medical Center)



## Scientific Program

**June 16 (Thu)**

P-082 Family Conference at Initial Diagnosis of Incurable Cancer in St. Vincent's Hospital

Ho Jung An (St. Vincent's Hospital, The Catholic University of Korea)

P-083 Oxaliplatin-Induced Peripheral Neuropathy and Quality of Life among Korean Patients with Gastrointestinal Cancer

Hye jeong Jung (Graduate School of Yonsei University)

P-084 Assessment of Adrenal Function in Advanced Gastric Cancer Patients Who Received First-line Chemotherapy

Jee Hung Kim (Yonsei Cancer Center, Yonsei University College of Medicine)

P-085 Breast cancer survivors' experience of cancer-related fatigue, exercise, and exercise adherence – Insights from Focus Group Interviews

Min Kyeong Jang (College of Nursing, Yonsei University)

P-086 Discomfort of having PICC and its associated factors among cancer patients

Misun Yi (Samsung Comprehensive Cancer Center, Samsung Medical Center)

P-087 Anxiety and depression as predictive factors for quality of life in patients with newly diagnosed advanced gastrointestinal cancer

Yusook Jeong (Chungbuk National University Hospital)