AACR-KCA Joint Workshop on Precision Medicine
in conjunction with the 23rd KCA Fall Symposium

November 14(Thu)~15(Fri), 2019
Lotte Hotel Seoul, Korea

Program Committee Co-chairs
Dr. Sun Young Rha
(Yonsei University College of Medicine, Korea)
Dr. Luis A. Diaz Jr.
(Memorial Sloan Kettering Cancer Center, USA)

Pre-registration Deadline
October 4(Fri), 2019

KCA 45th Annual Meeting &
5th International Cancer Conference

June 20(Thu)~21(Fri), 2019
Seoul Dragon City Hotel, Seoul, Korea

Secretariat office (MCI Group/Korea)
☎ +82 (0)2 6263 2047
✉ aacr-kca@mci-group.kr
🌐 www.aacr-kca.org
45th Annual Meeting of Korean Cancer Association & 5th International Cancer Conference

<table>
<thead>
<tr>
<th>Date</th>
<th>June 20(Thu)-21(Fri), 2019</th>
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<tbody>
<tr>
<td>Venue</td>
<td>Seoul Dragon City Hotel, Seoul, Korea</td>
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<tr>
<td>Host</td>
<td>Korean Cancer Association</td>
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</tbody>
</table>
| Joint Symposium Co-Organizers | - Chinese Society of Clinical Oncology (CSCO)  
- Japan Society of Clinical Oncology (JSCO)  
- Japanese Cancer Association (JCA)  
- Society for Immunotherapy of Cancer (SITC)  
- Korea Genome Organization (KOGO)  
- Korean Society for Laboratory Medicine (KSLM)  
- Korean Society for Vascular Biology and Medicine (KVBM)  
- Korean Society of Gynecologic Oncology (KSGO)  
- The Korean Society of Pathologists (KSP) |
| Website       | www.cancer.or.kr |
| Contact Us    | Tel: +82-2-792-1486, E-mail: cancer@kams.or.kr  
Room 1824, Gwanghwamun Officia,  
92 Saemunan-ro, Jongno-gu, Seoul 03186, Korea |

This work was supported by the Korean Federation of Science and Technology Societies (KOFST) grant funded by the Korean government.
Thursday, June 20

<table>
<thead>
<tr>
<th>Room</th>
<th>HANRA A (3F)</th>
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<tbody>
<tr>
<td>09:00-10:40</td>
<td>ES-1 KOR Clinical oncology for basic scientists</td>
<td>ES-2 KOR Recent advances in understanding and treating advanced GI cancer</td>
<td>ES-3 KOR Optimal combination of radiation therapy and immune checkpoint blockades</td>
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<tr>
<td>10:40-11:00</td>
<td>Coffee Break</td>
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<tr>
<td>11:00-11:30</td>
<td>Plenary Lecture 1 ENG Dr. Sanghyuk Lee</td>
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<tr>
<td></td>
<td>Integrative cancer genomics for precision medicine in lung cancer</td>
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<tr>
<td>11:30-12:20</td>
<td>Plenary Lecture 2 ENG Dr. Walter J. Curran</td>
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<td>NRG Oncology, an international US NCI-supported cancer research group</td>
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<tr>
<td>13:20-15:00</td>
<td>SP-1 ENG Conquering stomach cancer, the major cancer killer in Korea and Japan KCA-JCA Joint Symposium</td>
<td>SP-2 ENG Tissue agnostic drug development</td>
<td>SP-3 ENG Updates on head and neck-thyroid oncology KCA-CSCO Joint Symposium</td>
</tr>
<tr>
<td>15:00-15:20</td>
<td>Coffee Break</td>
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<tr>
<td>15:20-17:00</td>
<td>SP-7 ENG Current status of precision medicine in colorectal cancer KCA-JSCO Joint Symposium</td>
<td>SP-8 ENG Advanced and innovative clinical research</td>
<td>SP-9 ENG Recent precision medicine in gynecologic and breast cancer KCA-KSGO Joint Symposium</td>
</tr>
<tr>
<td>17:00-18:00</td>
<td>OP-1 KOR Omics and digital applications in cancer</td>
<td>IS-3 ENG Epigenetics, DNA, RNA in cancer</td>
<td>OP-2 KOR Issues in women cancers</td>
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</table>

**Session Remarks**

**Symposium 1**  Joint Symposium of KCA & Japanese Cancer Association (JCA)
**Symposium 2**  Joint Symposium of KCA & Chinese Society of Clinical Oncology (CSCO)
**Symposium 3**  Joint Symposium of KCA & Korean Society for Vascular Biology and Medicine (KVBM)
**Symposium 4**  Joint Symposium of KCA & Japan Society of Clinical Oncology (JSCO)
**Symposium 5**  Joint Symposium of KCA & Korean Society of Gynecologic Oncology (KSGO)
**Symposium 6**  Joint Symposium of KCA & Korean Genome Organization (KOGO)

**Language**

ENG Sessions in English
KOR Sessions in Korean
ES : Educational Session
MC : Master Class
LS : Luncheon Symposium
IS : International Session
OP : Oral Presentation
<table>
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<tr>
<th>Session</th>
<th>Remarks</th>
<th>Language</th>
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<tbody>
<tr>
<td><strong>Symposium 13</strong></td>
<td>Joint Symposium of KCA &amp; The Korean Society of Pathologists (KSP)</td>
<td>ENG</td>
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<tr>
<td><strong>Symposium 14</strong></td>
<td>Symposium of National OncoVenture (NOV)</td>
<td>ENG</td>
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<tr>
<td><strong>Symposium 16</strong></td>
<td>Joint Symposium of KCA &amp; Society for Immunotherapy of Cancer (SITC)</td>
<td>ENG</td>
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<tr>
<td><strong>Symposium 17</strong></td>
<td>Joint Symposium of KCA &amp; Korean Society for Laboratory Medicine (KSLM)</td>
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**Friday, June 21**

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<tr>
<th>Time</th>
<th>Room</th>
<th>Session</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>09:00-10:00</td>
<td>HANRA A (3F)</td>
<td>Outstanding Abstract Session</td>
<td>ENG</td>
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<td>HANRA B (3F)</td>
<td>YIS-2 EOR</td>
<td>Overseas Young Investigator Symposium</td>
</tr>
<tr>
<td>10:00-10:20</td>
<td>HANRA C (3F)</td>
<td>Coffee Break</td>
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<tr>
<td>10:20-10:50</td>
<td>HANRA A (3F)</td>
<td>Plenary Lecture 3 ENG</td>
<td>Dr. Yeul Hong Kim, The complex path to cancer precision medicine</td>
</tr>
<tr>
<td>10:50-11:40</td>
<td>HANRA B (3F)</td>
<td>Plenary Lecture 4 ENG</td>
<td>Dr. Thomas Gajewski, Tumor and host factors regulating anti-tumor immunity and immunotherapy efficacy</td>
</tr>
<tr>
<td>11:50-12:50</td>
<td>HANRA C (3F)</td>
<td>LS-5 ENG MSD</td>
<td>'Standard of Care' to 'Standard of Survival': Unfolding the quantum leap in mNSCLC</td>
</tr>
<tr>
<td></td>
<td>SHILLA A (3F)</td>
<td>SP-12 KOR</td>
<td>Basic immunology: (Treatment-resistant) Tumor microenvironment</td>
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<td></td>
<td>SHILLA B (4F)</td>
<td>SP-13 ENG</td>
<td>Immune targeted biomarkers in therapeutic decision making KCA-KSP Joint Symposium</td>
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<td></td>
<td>SHILLA C (4F)</td>
<td>SP-14 KOR</td>
<td>Promising anti-cancer drug pipeline in pre-clinical and clinical stages in Korea KCA-KSLM Joint Symposium</td>
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<tr>
<td>12:50-13:30</td>
<td>HANRA A (3F)</td>
<td>Coffee Break</td>
<td>KCA General Assembly</td>
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<tr>
<td>13:40-15:20</td>
<td>SHILLA A (3F)</td>
<td>SP-15 ENG</td>
<td>Tumor microenvironment of solid cancer</td>
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<td></td>
<td>SHILLA B (4F)</td>
<td>IS-5 ENG</td>
<td>Translational research in women cancers</td>
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<td>SHILLA C (4F)</td>
<td>IS-6 ENG</td>
<td>Special populations in cancer prevention</td>
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<td>GOGURYEO (5F)</td>
<td>MC-3 ENG</td>
<td>How to generate and utilise RWE (real-world evidence) in oncology</td>
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<tr>
<td>15:20-15:40</td>
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<td>Coffee Break</td>
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<td>15:40-17:20</td>
<td>SHILLA A (3F)</td>
<td>OP-4 KOR</td>
<td>Translational research in H&amp;N and lung cancer</td>
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<tr>
<td></td>
<td>SHILLA B (4F)</td>
<td>IS-4 ENG</td>
<td>Biomarkers and models in cancer immunotherapy</td>
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<td></td>
<td>SHILLA C (4F)</td>
<td>LS-7 ENG Lilly</td>
<td>An optimal post-progression treatment option to improve outcomes in AGC: Clinical experiences with ramucirumab</td>
</tr>
<tr>
<td>17:30-18:30</td>
<td>GOGURYEO (5F)</td>
<td>Coffee Break</td>
<td>Closing Reception @ GOGURYEO (5F)</td>
</tr>
</tbody>
</table>

**Language**

- ENG: Sessions in English
- KOR: Sessions in Korean
- IS: International Session
- SP: Symposium
- LS: Luncheon Symposium
- MC: Master Class
- OP: Oral Presentation
Meeting Information

**SPEAKERS’ PREVIEW & LOUNGE**
Speakers are requested to visit the preview room (3F) and submit presentation materials at least 1 hour prior to their scheduled session.

- Thursday, June 20  08:00 - 18:00
- Friday, June 21  08:00 - 16:00

**POSTER PRESENTATION**
Posters will be displayed from 09:00-17:00 in the Baekdu Ballroom (5F).

<table>
<thead>
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<tr>
<td>Poster Session 1</td>
<td>Thursday, June 20</td>
<td>08:00-09:00</td>
<td>09:00-17:00</td>
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<tr>
<td>Poster Session 2</td>
<td>Friday, June 21</td>
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**COFFEE BREAKS & CAFE**
All breaks and cafe will be located in Baekdu Ballroom (5F).

**LUNCHEON SYMPOSIA**
Lunch will be provided during luncheon symposia. Please display your name badge to receive your lunchbox.

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<td>Hanra A (3F)</td>
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<td>June 20 (Thu) 12:20 - 13:20</td>
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<td>Hanra B (3F)</td>
<td>3F</td>
<td>June 21 (Fri) 11:50 - 12:50</td>
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<td>Hanra C (3F)</td>
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<td>Shilla A (3F)</td>
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**CLOSING RECEPTION**
Closing reception with the Merit Awards ceremony will be held on June 21 (Fri), 17:30 in Goguryeo room (5F).
Educational Session 1  KOR
09:00-10:40, Hanra A (3F)
Clinical oncology for basic scientists

Chairs
Woo-Yoon Park (Chungbuk National University College of Medicine)
Keon Uk Park (Keimyung University School of Medicine)

ES1-1 Staging and pathologic features of serous borderline tumor of the ovary related to cancer biology
Kyu-Rae Kim (University of Ulsan College of Medicine)

ES1-2 Oncologic imaging: Evolving images for evolving treatments
Kyung Won Kim (University of Ulsan College of Medicine)

ES1-3 Armamentarium in medical oncology: Old and new
Inkeun Park (Gachon University College of Medicine)

ES1-4 Clinical trials: How to add translational components
Yoon Ji Choi (Korea University College of Medicine)

Educational Session 2  KOR
09:00-10:40, Hanra B (3F)
Recent advances in understanding and treating advanced GI cancer

Chairs
Kil Yeon Lee (Kyung Hee University School of Medicine)
Myung Ah Lee (The Catholic University of Korea College of Medicine)

ES2-1 Pressurized intraperitoneal aerosol chemotherapy
Sang-Hoon Ahn (Seoul National University College of Medicine)

ES2-2 Value of extranodal tumor deposit and extramural vascular invasion in colorectal cancer
Sun Jin Park (Kyung Hee University College of Medicine)

ES2-3 Alternative preoperative treatment in advanced rectal cancer
Hye Jin Kim (Kyungpook National University School of Medicine)

ES2-4 Update of treatment for peritoneal metastasis in gastric cancer
Jong-Han Kim (Korea University College of Medicine)
## Educational Session 3

### Optimal combination of radiation therapy and immune checkpoint blockades

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<td>Hanra C (3F)</td>
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</table>

#### Chairs
- In Ah Kim (Seoul National University College of Medicine)
- Ji-Youn Han (National Cancer Center)

#### ES3-1
- **Radiation therapy and anti-tumor immunity; immunological mechanisms of abscopal effect**
  - SaeGwang Park (Inje University College of Medicine)

#### ES3-2
- **A strategy of the combination of radiotherapy and immune checkpoint blockade**
  - Jinho Kim (Seoul National University College of Medicine)

#### ES3-3
- **Propagation of abscopal effect from local therapy**
  - Kyong Hwa Park (Korea University College of Medicine)

## Korean Young Investigator Symposium

### Application of proteomics in translational cancer research

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<td>09:00-10:40</td>
<td>Shilla A (3F)</td>
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#### Chairs
- Sung Gil Chi (Korea University)
- Kyung Hae Jung (University of Ulsan College of Medicine)

#### YIS1-1
- **Application of proteomics in translational cancer research**
  - Jae-Young Kim (Chungnam National University)

#### YIS1-2
- **Extracellular vesicles in cancer: Cell-to-cell mediators of metastasis**
  - Han Sang Kim (Yonsei University College of Medicine)

#### YIS1-3
- **Application of robotic surgery for advanced gynecologic cancers**
  - Jiheum Paek (Ajou University School of Medicine)

#### YIS1-4
- **The defense mechanisms of polarized epithelial cells to suppress EMT and tumor metastasis**
  - HaeYun Jung (Sungkyunkwan University School of Medicine)

## Plenary Lecture 1

### Integrative cancer genomics for precision medicine in lung cancer

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<td>11:00-11:30</td>
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#### Chair
- Jae Kyung Roh (Konyang University Hospital)

#### PL1
- **Integrative cancer genomics for precision medicine in lung cancer**
  - Sanghyuk Lee (Ewha Womans University)

## Plenary Lecture 2

### NRG Oncology, an international US NCI-supported cancer research group

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<tr>
<td>11:30-12:20</td>
<td>Hanra (3F)</td>
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#### Chair
- Hyun Cheol Chung (Yonsei University College of Medicine)

#### PL2
- **NRG Oncology, an international US NCI-supported cancer research group**
  - Walter J. Curran (Winship Cancer Institute of Emory University, USA)

## Luncheon Symposium 1

### Individualized treatment decision for optimal sequence in mCRC, with afiblercept

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<td>12:20-13:20</td>
<td>Hanra A (3F)</td>
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#### Chair
- Jong Gwang Kim (Kyungpook National University School of Medicine)

#### LS1
- **Individualized treatment decision for optimal sequence in mCRC, with afiblercept**
  - Julien Taieb (Georges Pompidou European Hospital, Sorbonne Paris-Cité, Université Paris-Descartes, France)
Thursday, June 20

Luncheon Symposium 2  
**Servier**
12:20-13:20, Hanra B (3F)

**Chair**
Joon Oh Park (Sungkyunkwan University School of Medicine)

**LS2**
Liposomal irinotecan, new hope for the treatment of metastatic pancreatic cancer  
Changhoon Yoo (University of Ulsan College of Medicine)

Luncheon Symposium 3  
**AstraZeneca**
12:20-13:20, Hanra C (3F)

**Chair**
Ji-Youn Han (National Cancer Center)

**LS3**
Cutting-edge front-line treatment for advanced non-small cell lung cancer  
Tae Min Kim (Seoul National University College of Medicine)

Luncheon Symposium 4  
**Pfizer**
12:20-13:20, Shilla A (3F)

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

**LS4**
Navigating the treatment journey for patients with oncogene-driven NSCLC  
Takashi Seto (Kyushu Cancer Center, Japan)

Symposium 1  
**ENG**
13:20-15:00, Hanra A (3F)

*Joint Symposium of KCA & Japanese Cancer Association (JCA)*

Conquering stomach cancer, the major cancer killer in Korea and Japan

**Chairs**
Masanori Hatakeyama (The University of Tokyo, Japan)  
Woo Ho Kim (Seoul National University College of Medicine)

**SP01-1**
Epigenetic alterations in gastric epithelial and stromal cells as diagnostic and therapeutic targets  
Toshikazu Ushijima (National Cancer Center Research Institute, Japan)

**SP01-2**
Integrated proteogenomic analysis of gastric cancers  
Dahee Hwang (Seoul National University School of Biological Sciences)

**SP01-3**
Stem cell origin of gastric cancers and their niche  
Yoku Hayakawa (The University of Tokyo, Japan)

**SP01-4**
Targeting interaction between fibrotic stroma and cancer cell in gastric cancer  
Hoon Hur (Ajou University School of Medicine)

Symposium 2  
**ENG**
13:20-15:00, Hanra B (3F)

Tissue agnostic drug development

**Chairs**
Keunchil Park (Sungkyunkwan University School of Medicine)  
Ki Hyeong Lee (Chungbuk National University College of Medicine)

**SP02-1**
The first biomarker-defined tumor indication: Pembrolizumab for MSI-high cancer  
Kenneth Emancipator (MSD, USA)

**SP02-2**
Development of larotrectinib in NTRK fusion positive tumors  
Nicoletta Brega (Bayer, Italy)

**SP02-3**
Challenges of tissue agnostic cancer drug approval and utility  
Myung-Ju Ahn (Sungkyunkwan University School of Medicine)
### Symposium 3: Updates on head and neck–thyroid oncology

**Chairs:** Xiaolei Wang (The Cancer Institute and Hospital, Chinese Academy of Medical Sciences, China), Yong Chan Ahn (Sungkyunkwan University School of Medicine)

**SP03-1**
- **Common artery resection and vascular reconstruction in the treatment of head and carotid tumors invading common carotid artery**
  - Xiaolei Wang (The Cancer Institute and Hospital, Chinese Academy of Medical Sciences, China)

**SP03-2**
- **HGF/c-Met as potential molecular target in head and neck cancer**
  - Chul-Ho Kim (Ajou University School of Medicine)

**SP03-3**
- **Personalized TPF induction chemotherapy on the basis of stathmin expression in patients with locally advanced oral squamous cell carcinoma**
  - Lai-ping Zhong (Ninth People’s Hospital, Shanghai Jiao Tong University School of Medicine, China)

**SP03-4**
- **Personalized treatment strategies in anaplastic thyroid cancer by targeting genomic alterations**
  - Young Joo Park (Seoul National University College of Medicine)

### Symposium 4: Immunotherapy for rare cancer

**Chairs:** Byung-Kiu Park (National Cancer Center), Kyung-Ha Ryu (Ewha Womans University College of Medicine)

**SP04-1**
- **Unleashing the adaptive and innate immune systems for the treatment of pediatric solid tumors**
  - Robbie G. Majzner (Stanford University School of Medicine, USA)

**SP04-2**
- **Immune checkpoint blockade immunotherapy for advanced solid tumor of childhood**
  - Yasushi Fuchimoto (International University of Health and Welfare School of Medicine, Japan)

**SP04-3**
- **Exploring combination therapy with B cell and monocyte-based cancer vaccines**
  - Chang-Yuil Kang (Seoul National University College of Pharmacy)

### Symposium 5: Strategic plans of improving multicenter clinical trials

**Chairs:** Yong Man Kim (University of Ulsan College of Medicine), Dae Yong Kim (National Cancer Center)

**SP05-1**
- **Database platform for KGOG**
  - Chel Hun Choi (Sungkyunkwan University School of Medicine)

**SP05-2**
- **Beyond the specialty: Collaboration of gynecologic and medical oncology**
  - Yong Wha Moon (CHA University School of Medicine)

**SP05-3**
- **Tips and tricks of recruiting study population**
  - Won Park (Sungkyunkwan University School of Medicine)

**SP05-4**
- **How to make a ‘good’ clinical trial protocol?**
  - Sokbom Kang (National Cancer Center)

**Panel discussion**
Thursday, June 20

**Symposium 6**

Joint Symposium of KCA & Korean Society for Vascular Biology and Medicine (KVBM)

**Vascular regulation of cancer progression**

Chair: Ho Jeong Kwon (Yonsei University)
Yoo-Wook Kwon (Seoul National University College of Medicine)

SP06-1 Mitochondrial UQCRB, a new player in tumor angiogenesis
Ho Jeong Kwon (Yonsei University)

SP06-2 Endothelial Notch signaling promotes tumor progression and metastasis
Andreas Fischer (German Cancer Research Center (DKFZ), Germany)

SP06-3 Deciphering the origin of somatic mutations in brain tumors
Jeong Ho Lee (Korea Advanced Institute of Science and Technology)

SP06-4 Vascular abnormalities in mouse brain tumor models
Injune Kim (Korea Advanced Institute of Science and Technology)

Thursday, June 20

**Symposium 7**

Joint Symposium of KCA & Japan Society of Clinical Oncology (JSCO)

**Current status of precision medicine in colorectal cancer**

Chair: Hideo Baba (Graduate School of Medical Sciences, Kumamoto University, Japan)
Joong-Bae Ahn (Yonsei University College of Medicine)

SP07-1 Recent challenges for precision medicine in colorectal cancer
Hideo Baba (Graduate School of Medical Sciences, Kumamoto University, Japan)

SP07-2 Application of clinical NGS in colorectal cancer: Asan Medical Center experience
Jihun Kim (University of Ulsan College of Medicine)

SP07-3 Next-generation sequencing-based clinical sequencing: Toward precision medicine in colorectal cancer
Toshifumi Wakai (Niigata University Graduate School of Medical and Dental Sciences, Japan)

SP07-4 Precision medicine in colorectal cancer: Case review
Jin Won Kim (Seoul National University Bundang Hospital)

Thursday, June 20

**Master Class 1**

Recent updates in the development of immune-therapy for cancer treatment

Chair: Byoung Chul Cho (Yonsei University College of Medicine)

MC1-1 Molecular differentiation and novel combination therapies
Wallace Mondesire (MSD, USA)

MC1-2 Microsatellite instability and hypermutation of cancer genomes
Tae-Min Kim (The Catholic University of Korea College of Medicine)

MC1-3 Advances in systemic therapy for renal cell carcinoma: Immune checkpoint blockade in combination with tyrosine kinase inhibitors
Victoria Robinson (MSD, USA)
Thursday, June 20

Symposium 8  ENG
Advanced and innovative clinical research

15:20-17:00, Hanra B (3F)

Chairs
Yung-Jue Bang (Seoul National University College of Medicine)
Young Hyuck Im (Sungkyunkwan University School of Medicine)

SP08-1 Pragmatic clinical research and barriers: Precision medicine and Levine Cancer Institute experience
Edward Kim (Atrium Health Levine Cancer Institute, USA)

SP08-2 Untold reality of medical device development
Seung-June Oh (Seoul National University College of Medicine)

SP08-3 Innovations in clinical trials and future
Jee Hyun Kim (Seoul National University College of Medicine)

Thursday, June 20

Symposium 9  ENG

15:20-17:00, Hanra C (3F)

• Joint Symposium of KCA & Korean Society of Gynecologic Oncology (KSGO)

Recent precision medicine in gynecologic and breast cancer

Chairs
Sang-Yoon Park (National Cancer Center)
Young Tae Kim (Yonsei University College of Medicine)

SP09-1 Current status and future of genetic test
Myong Cheol Lim (National Cancer Center)

SP09-2 Mismatch repair gene and gynecologic cancer
Min Chul Choi (CHA University School of Medicine)

SP09-3 BRCAness and synthetic lethality
Sung Jong Lee (The Catholic University of Korea College of Medicine)

SP09-4 Surveillance and risk-reducing strategies for breast cancer in women with BRCA mutations
Hyung Seok Park (Yonsei University College of Medicine)

SP09-5 Precision medicine in gynecologic cancer
Woong Ju (Ewha Womans University College of Medicine)
**Thursday, June 20**

**Symposium 10**

**Omics for innovative clinical cancer research**

**Chairs**
In-Jin Jang (Seoul National University College of Medicine)
Woong-Yang Park (Samsung Genome Institute)

**SP10-1**
Studies on developing prediction models based on cancer transcriptome and clinical information
Minho Lee (The Catholic University of Korea)

**SP10-2**
Enhancer remodeling and microRNA alterations are associated with acquired resistance to ALK inhibitors
Mirang Kim (Korea Research Institute of Bioscience & Biotechnology)

**SP10-3**
Genomic research and clinical applications in breast cancer
Wonshik Han (Seoul National University College of Medicine)

**SP10-4**
RNA biotype-associated molecular classification reveals novel driver transcripts in hepatitis B-related HCC
Hyun Goo Woo (Ajou University School of Medicine)

**Symposium 11**

**Exchange and cooperation of oncology between South and North Korea**

**Chairs**
Hyeon Jin Park (National Cancer Center)
Won Park (Sungkyunkwan University School of Medicine)

**SP11-1**
The Korean Peninsula: Our case for a serious case over 70 years
Sin Gon Kim (Korea University College of Medicine)

**SP11-2**
Study on the current state of cancer treatment in North Korea
Hee Young Shin (Seoul National University College of Medicine)

**SP11-3**
Experience of healthcare project in North Korea
Yoonsang Lee (Nanum International)

**International Session 1**

**Precision medicine in head and neck and lung cancer**

**Chairs**
Joo-Hang Kim (CHA University School of Medicine)
Jin Haeng Chung (Seoul National University College of Medicine)

**IS01-1**
HSPA5 negatively regulates lysosomal activity through ubiquitination of MUL1 in head and neck cancer
Chul-Ho Kim (Ajou University School of Medicine)

**IS01-2**
Targeted disruption of PI3K/Akt/mTOR signaling pathway leads to destruction of oral squamous cell carcinoma (OSCC) cells
Sadhna Aggarwal (All India Institute of Medical Sciences, India)

**IS01-3**
Association of p53 codon 72 arg/pro polymorphism with lung cancer risk in the South Asian population: A meta-analysis
Mohammad Safiqul Islam (Noakhali Science and Technology University, Bangladesh)

**IS01-4**
Outcome of induction chemotherapy followed by surgery in T4b buccal cancer patients
Prasad Kasbekar (Gujarat Cancer and Research Institute, India)

**IS01-5**
EGFR mutations in non-small-cell lung cancers: A single institute experience comparison of PANAMutyper™ and targeted Next-Generation Sequencing (NGS)—A significant discordance
Jeonghyo Lee (Seoul National University Bundang Hospital)

**IS01-6**
Elective neck dissection in salvage surgery for laryngeal squamous cell carcinoma: A single institutional experience
Pavan Karella (Gujarat Cancer and Research Institute, India)

**IS01-7**
Can we predict lymph node metastasis in early oral cancer through measuring tumor thickness by intraoral ultrasound?
Jeewan Ram Vishnoi (All India Institute of Medical Sciences, India)
Thursday, June 20

**Master Class 2**

**ENG**

**15:20-17:00, Goguryeo (SF)**

**GC academy - Special talk for antiangiogenic agents in mGC treatment**

**Chairs**
Yeul Hong Kim (Korea University College of Medicine)
Dae Young Zang (Hallym University College of Medicine)

**MC2-1**
How do we go through the HER+ GC?
Jin-Soo Kim (Seoul National University Boramae Medical Center)

**MC2-2**
From the start to future in antiangiogenic agent in GC
Sun Young Rha (Yonsei University College of Medicine)

**MC2-3**
Real world evidence of ramucirumab in GC
Keun-Wook Lee (Seoul National University College of Medicine)

Thursday, June 20

**Oral Presentation 1**

**KOR**

**17:00-18:00, Hanra A (3F)**

**Omics and digital applications in cancer**

**Chairs**
Yeun Jun Chung (The Catholic University of Korea College of Medicine)
G-One Ahn (Pohang University of Science and Technology)

**OP1-1**
Deep learning based tumor microenvironment predicts survival in gastric adenocarcinoma
You Jeong Heo (Samsung Medical Center, Sungkyunkwan University School of Medicine)

**OP1-2**
The comparative analysis of tumor-specific microbiome and the oncological study of the identified microbe in exosome of pancreatic tumor tissue
Eunsung Jun (Asan Medical Center)

**OP1-3**
Cancer panel assay for precision oncology clinic: Results from a one-year study
Dohee Kwon (Samsung Medical Center)

**OP1-4**
Short- and long-term mortality prediction in critically ill cancer patients admitted to intensive care unit with machine learning
Han Sang Kim (Yonsei Cancer Center)

**OP1-5**
Identification of novel fusion partner and new therapeutic target by targeted RNA sequencing in solid tumors
Sungbin An (SAIHST, Sungkyunkwan University School)

**OP1-6**
Assessing concordance with Watson for Oncology cognitive computing system for colorectal cancer treatment
In Hee Lee (Catholic University of Daegu, School of Medicine)
### Thursday, June 20

#### International Session 3

**Epigenetics, DNA, RNA in cancer**

**Chairs**
Yeon-Su Lee (National Cancer Center)
Young Seok Kim (University of Ulsan College of Medicine)

<table>
<thead>
<tr>
<th>IS3-1</th>
<th>PRISM: Methylation pattern-based, reference-free inference of subclonal makeup</th>
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<tbody>
<tr>
<td></td>
<td>Dohoon Lee (Seoul National University)</td>
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<tr>
<th>IS3-2</th>
<th>Cell adhesion to mesenchymal stem cells mediates resistance to oxidative phosphorylation inhibition in acute myeloid leukemia</th>
</tr>
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<tr>
<td></td>
<td>Haeun Yang (Juntendo University Graduate School of Medicine, Japan)</td>
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<tr>
<th>IS3-3</th>
<th>Interplay between slow-cycling, chemoresistant cancer cells and fibroblasts creates a proinflammatory niche for tumor progression</th>
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<td></td>
<td>Jaebeom Cho (Seoul National University)</td>
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<tr>
<th>IS3-4</th>
<th>Treatment of megakaryoblastic leukemia Dami cells with phorbol ester regulates the long non-coding RNA signature</th>
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<tbody>
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<td></td>
<td>Ravi Kumar Gutti (University of Hyderabad, India)</td>
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<tr>
<th>IS3-5</th>
<th>Assessment of knowledge, attitude, and practices and associated factors towards palliative care among health care providers to the pediatric oncology patients in southern Philippines</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Jayson Pasaol (National Cancer Center- Graduate School of Cancer Science and Policy)</td>
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</tbody>
</table>

**Session Cancellation**
International session 2. Epidemiologic studies in cancer care has been cancelled.

### Thursday, June 20

#### Oral Presentation 2

**Issues in women cancers**

**Chairs**
Keon Wook Kang (Seoul National University College of Medicine)
Yeon Hee Park (Sungkyunkwan University School of Medicine)

<table>
<thead>
<tr>
<th>OP2-1</th>
<th>Survival outcome for breast cancer patients with brain metastasis: A multicenter retrospective study in Korea (KROG 16-12)</th>
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<td>Jae Sik Kim (Seoul National University College of Medicine)</td>
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<tr>
<th>OP2-2</th>
<th>Local disease control followed by anti-HER2 therapy improves overall survival of HER2-positive metastatic breast cancer patients</th>
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<tr>
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<td>Seul-Gi Kim (Yonsei Cancer Center, Yonsei University College of Medicine)</td>
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<tr>
<th>OP2-3</th>
<th>SUV max of 18F FDG-PET/CT: A predictive factor associated with pathologic complete response in luminal HER2-negative breast cancer patients receiving neoadjuvant chemotherapy</th>
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<td>Soo Jung Lee (Kyungpook National University Chilgok Hospital)</td>
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<tr>
<th>OP2-4</th>
<th>The feasibility and efficacy of gonadotropin-releasing hormone agonists for prevention of chemotherapy-induced ovarian insufficiency in patient with malignant ovarian germ cell tumors (KOG-OV1813)</th>
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<td>Min Chul Choi (CHA Bundang Medical Center, CHA University)</td>
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<tr>
<th>OP2-5</th>
<th>Prognostic value of tumor heterogeneity evaluated by 18F[FDG] PET/CT in invasive squamous cell carcinoma of uterine cervix</th>
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<td>Maria Lee (Seoul National University Hospital)</td>
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<tr>
<th>OP2-6</th>
<th>Clinical outcome of stage IVB cervical cancer treated with chemoradiotherapy with or without bevacizumab</th>
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<td></td>
<td>Sang Hee Youn (Research Institute and Hospital, National Cancer Center)</td>
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</table>
Thursday, June 20

Oral Presentation 3  KOR
17:00-18:00, Baekje B (4F)

**Implement from novel observations**

**Chairs**  
Hanjong Ahn (University of Ulsan College of Medicine)  
Woo Kyun Bae (Chonnam National University Medical School)

**OP3-1**  
Bacillus calmette-gerin cell wall cytoskeleton with encapsulated liposome enhances antitumor effect in bladder cancer through inhibition of mTOR activity and induction of ER stress  
Young Mi Whang (Chung-Ang University College of Medicine)

**OP3-2**  
Antitumor effect of a WEE1 inhibitor and potentiation of PARP inhibitor sensitivity by modulation of DNA damage response  
Dong-Hyeon Ha (Seoul National University)

**OP3-3**  
Identification of invasion-deterministic transcription factors in glioblastoma using integrative transcriptome analysis  
Junseong Park (Yonsei University College of Medicine)

**OP3-4**  
Exosomal microRNA-199b-5p as a potential circulating biomarker to predict response of preoperative chemoradiotherapy for locally advanced rectal cancer  
Hee Jeong Cho (Kyungpook National University Chilgok Hospital, Kyungpook National University School of Medicine)

**OP3-5**  
Association between kidney function, proteinuria and the risk of kidney cancer: A nationwide cohort study involving 10 million participants  
Jinsung Park (Eulji University Hospital, Eulji University School of Medicine)

**OP3-6**  
The local recurrence without metastasis had significantly worse prognostic survivals than the metastasis without local recurrence after curative nephrectomy in non-metastatic renal cell carcinoma  
Sung Han Kim (Urological Cancer Center, National Cancer Center)
Friday, June 21

Outstanding Abstract Session 09:00-10:00, Hanra A (3F)

Chairs Tae Won Kim (University of Ulsan College of Medicine)
Sug Hyung Lee (The Catholic University of Korea College of Medicine)

OAS-1 4-1BB delineates distinct activation status of exhausted tumor-infiltrating CD8+ T cells in hepatocellular carcinoma
Hyung-Don Kim (Korea Advanced Institute of Science and Technology)

OAS-2 KEAP1/NFE2L2/CUL3 mutations in therapeutic resistance and prognosis of non-small cell lung cancers
Youngtae Jeong (DGIST / Stanford University School of Medicine)

OAS-3 Identification of galectin-3 binding protein (Gal-3BP) as a novel therapeutic target for PDAC and the development of Gal-3BP antibody that suppresses metastasis via EGFR-Myc-EMT inhibition
Suhwan Chang (University of Ulsan, Asan Medical Center)

Overseas Young Investigator Symposium 09:00-10:10, Hanra C (3F)

Chairs Seock-Ah Im (Seoul National University College of Medicine)
Tae-Woo Kim (Korea University College of Medicine)

YIS2-1 Mechanisms underlying synergy of Topo I and mTOR co-inhibition in Malignant Peripheral Nerve Sheath Tumors
Dong Hyuk Ki (Harvard Medical School / Dana-Farber Cancer Institute, USA)

YIS2-2 Tumor interferon signaling: Implications for cancer immunotherapy
Daniel Sanghoon Shin (David Geffen School of Medicine at UCLA, USA)

YIS2-3 Advancing the promise of chemoinmunotherapy in solid tumors
Youngwook Won (University of Arizona College of Medicine, USA)

Q&A and discussion

Friday, June 21

Oral Presentation 4 09:00-10:00, Baekje B (4F)

Translational research in head and neck and lung cancer

Chairs Hoon Kyo Kim (National OncoVenture)
Dong-Wan Kim (Seoul National University College of Medicine)

OP4-1 BRAFV600E mutation enhances tumorigenic effects of estrogen on human thyroid cells by regulating expression of estrogen receptors
Minjun Kim (Seoul National University College of Medicine)

OP4-2 Molecular subtypes of oropharyngeal cancer show distinct immune microenvironment and response to immune checkpoint blockade
Min Hwan Kim (Yonsei Cancer Center)

OP4-3 Prediction of recurrence-free survival of non-small cell lung cancer using time-binned deep neural network
Ho Jung An (St. Vincent’s Hospital, The Catholic University of Korea)

OP4-4 The impact of systemic treatment on brain metastasis in patients with non-small-cell lung cancer: A retrospective nationwide population-based cohort study
Yoon Ho Ko (Eunpyeong St. Mary’s Hospital, College of Medicine, The Catholic University of Korea)

OP4-5 Comparison of lung cancer screening trials from East Asia: South Korea, Japan, and Taiwan
Sang Won Shin (Korea University College of Medicine)
International Session 4
Biomarkers and models in cancer immunotherapy
09:00-10:00, Baekje C (4F)

Chairs
Jong-Seok Lim (Sookmyung Women’s University)
Kyong Hwa Park (Korea University College of Medicine)

IS4-1 Immune gene signatures for predicting durable clinical benefit of anti-PD-1 immunotherapy in patients with non-small cell lung cancer
Sun Min Lim (CHA Bundang Medical Center)

IS4-2 Immunologic and prognostic characterization of early triple-negative breast cancer according to the presence of PD-L1 positive immune cells assessed by SP-142
Sung Gwe Ahn (Gangnam Severance Hospital, Yonsie University College of Medicine)

IS4-3 Tumor mutational burden as a potential predictive biomarker of response to PD-1/PD-L1 blockade in non-small cell lung cancer
Hyojin Kim (Seoul National University Bundang Hospital)

IS4-4 The effects of tumor-associated macrophages on colon cancer cell migration in a 3-dimensional microfluidic chip
Yeo Song Lee (Sungkyunkwan University School of Medicine / Institute for Future Medicine Samsung Medical Center)

Plenary Lecture 3
ENG 10:20-10:50, Hanra (3F)

Chair Hee-Sug Ryu (Ajou University School of Medicine)

PL3 The complex path to cancer precision medicine
Yeul Hong Kim (Korea University College of Medicine)

Plenary Lecture 4
ENG 10:50-11:40, Hanra (3F)

Chair Tae You Kim (Seoul National University College of Medicine)

PL4 Tumor and host factors regulating anti-tumor immunity and immunotherapy efficacy
Thomas Gajewski (University of Chicago, USA)

Luncheon Symposium 5
ENG MSD 11:50-12:50, Hanra A (3F)

Chair Myung-Ju Ahn (Sungkyunkwan University School of Medicine)

LS5 “Standard-of-Care” to “Standard-of-Survival”: Unfolding the quantum leap in mNSCLC
Ji Hyun Park (Konkuk University School of Medicine)
Friday, June 21

Luncheon Symposium 6  ENG  Roche  
11:50-12:50, Hanra C (3F)

Chair  Sang-We Kim (University of Ulsan College of Medicine)

LS6  The evolving power of immunotherapy: Atezolizumab in advanced lung cancer  
Ji-Youn Han (National Cancer Center)

Luncheon Symposium 7  ENG  Lilly  
11:50-12:50, Shilla A (3F)

Chair  Dae Young Zang (Hallym University College of Medicine)

LS7  An optimal post-progression treatment option to improve advanced gastric cancer patient outcomes: Clinical experiences with ramucirumab  
Keun-Wook Lee (Seoul National University College of Medicine)

General Assembly of KCA  
12:50-13:30, Hanra (3F)

Symposium 12  ENG  
13:40-15:20, Hanra A (3F)

Basic immunology: (Treatment-resistant) Tumor microenvironment

Chairs  Kyung-Mi Lee (Korea University College of Medicine)  
Kyong Hwa Park (Korea University College of Medicine)

SP12-1  Progressive impairment of NK cell cytotoxic degranulation is associated with TGF-β1 deregulation and disease progression in pancreatic cancer  
Hun Sik Kim (University of Ulsan College of Medicine)

SP12-2  Targeting the tumor associated macrophage in pre-metastatic niche  
Seung Hyeok Seok (Seoul National University College of Medicine)

SP12-3  NANOG drives stem-like state and resistance to multi-modality of immune-edited tumor cells  
Tae-Woo Kim (Korea University College of Medicine)

Symposium 13  ENG  
13:40-15:20, Hanra B (3F)

• Joint Symposium of KCA & The Korean Society of Pathologists (KSP)

Immune targeted biomarkers in therapeutic decision making

Chairs  Ho Yeong Lim (Sungkyunkwan University School of Medicine)  
Kyoungh-Mee Kim (Sungkyunkwan University School of Medicine)

SP13-1  Comparison of PD-L1 assays in urothelial carcinoma  
Kyu Sang Lee (Seoul National University College of Medicine)

SP13-2  Pathologic interpretation of immune biomarkers in gastric cancer  
Hyunki Kim (Yonsei University College of Medicine)

SP13-3  Molecular basis of immune response heterogeneity in colorectal cancers: Potential biomarkers  
Jung Ho Kim (Seoul National University Hospital)

SP13-4  Genomic features associated with transcriptome-based cancer immunoprofiling  
Tae-Min Kim (The Catholic University of Korea College of Medicine)
Symposium 14  KOR

Promising anti-cancer drug pipeline in pre-clinical and clinical stages in Korea

Chairs
Sang-Jae Park (National Cancer Center)
Sung-Sook Lee (National OncoVenture)

SP14-1 Campaign NOV1801: Anti-4-1BB antibody, an immune checkpoint regulator
Joong Won Lee (Eutilex)

SP14-2 Fast follower-Best in class strategy, Pan-TRK inhibitor (NOV1601)
Sang-Yoon Lee (HANDOK)

SP14-3 Development of NOV140101(IDX-1197): A novel, selective, and highly potent PARP inhibitor
SungKu Choi (Idong Pharmaceutical)

Symposium 15  ENG

Tumor microenvironment of solid cancer

Chairs
Jae Ho Cheong (Yonsei University College of Medicine)
Sun-Young Kong (National Cancer Center)

SP15-1 Single-cell RNA sequencing reveals tumor microenvironment and intratumoral heterogeneity
Semin Lee (Ulsan National Institute of Science and Technology)

SP15-2 Targeting CAF-TAM interaction to inhibit cancer metastasis
Darren Reece Williams (Gwangju Institute of Science and Technology)

SP15-3 Cancer-restraining cancer-associated fibroblasts and their roles in tumor progression and immunity
Atsushi Enomoto (Nagoya University, Japan)

SP15-4 Tumor microenvironment remodeling by intratumoral oncolytic virus to enhance immune checkpoint blockade
Chan Kim (CHA University School of Medicine)
### International Session 5
**ENG**

13:40-15:00, Baekje B (4F)

**Translational research in women cancers**

| Chairs | Yogendra P. Singh (Tribhuvan University Teaching Hospital, Nepal)  
Jae Hong Seo (Korea University College of Medicine) |
|---|---|
| IS5-1 | Long noncoding RNA and glucose metabolism in breast cancer  
Je-Hyun Yoon (Medical University of South Carolina, USA) |
| IS5-2 | Prospectively patient-reported outcome measures in breast cancer patients treated for late radiation-induced tissue toxicity by hyperbaric oxygen therapy, 6 months follow-up  
David Teguh (Amsterdam University Medical Center, Netherlands) |
| IS5-3 | TFCP2 mediates EGF/TGF-α expression to active EGFR signaling and promotes progression of TNBC  
Yi Zhao (Hanyang University) |
| IS5-4 | Pattern of genetic variation in ovarian cancer according to clinical variables  
Jaehee Mun (Seoul National University College of Medicine) |

### International Session 6
**ENG**

13:40-15:00, Baekje C (4F)

**Special populations in cancer prevention**

| Chairs | Kyung Hee Lee (Yeungnam University College of Medicine)  
Hyoung Jin Kang (Seoul National University College of Medicine) |
|---|---|
| IS6-1 | Higher risk of pancreatic cancer in middle-aged men with diabetes mellitus: A 10-year nationwide population-based cohort study  
Dong-Hoe Koo (Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine) |
| IS6-2 | Prevalence and associated factors of goiter among school-aged children: Results from school-based screening program in an urban of Vietnam  
Minh Tu Nguyen (Hue University of Medicine and Pharmacy, Vietnam) |
| IS6-3 | Incidence and survival of Korean adolescents and young adults diagnosed with cancer in 1999-2016  
Meerim Park (Center for Pediatric Cancer, National Cancer Center) |
| IS6-4 | Awareness and assessment of oral cancer and precancerous oral lesions among Paniya tribes of Wayanad, India: A cross sectional study  
Shanavas Palliyal (DM Wayanad Institute of Medical Sciences, India) |
| IS6-5 | Determinants of intentions to quit smoking among daily smokers in Vietnam: Results from Global Adult Tobacco Survey (GATS) 2010 and 2015  
Binh Thang Tran (National Cancer Center Graduate School of Cancer Science and Policy) |
Friday, June 21

**Master Class 3**
**ENG**

13:40-15:20, Goguryeo (5F)

How to generate and utilize RWE (real-world evidence) in oncology

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

**MC3-1** The value of RWE to oncologists  
Dae Ho Lee (University of Ulsan College of Medicine)

**MC3-2** Application of real-world evidence in drug approval and post-marketing study in regulatory process  
Ju-Young Shin (Sungkyunkwan University School of Pharmacy)

**MC3-3** What RWE means to pharmaceutical company  
Camille Perret (Roche, Switzerland)

Q&A and panel discussion

Friday, June 21

**Symposium 16**
**ENG**

15:40-17:20, Hanra A (3F)

*Joint Symposium of KCA & Society for Immunotherapy of Cancer (SITC)*

Overcoming the current resistance to immune checkpoint inhibitors in cancer treatment

**Chairs**  Chantale Bernatchez (MD Anderson Cancer Center, USA)  
Kyu-pyo Kim (University of Ulsan College of Medicine)

**SP16-1** Development of tumor infiltrating therapy for melanoma and other solid tumors  
Chantale Bernatchez (MD Anderson Cancer Center, USA)

**SP16-2** TLR9 agonists in combination with anti-CTLA-4 checkpoint inhibitors for the treatment of patients with anti-PD-1 refractory melanoma  
Cara Haymaker (MD Anderson Cancer Center, USA)

**SP16-3** Immuno-genomic approach to enrich the responder and overcome the resistance of immune checkpoint inhibitor  
Chan-Young Ock (Seoul National University Hospital)

This program is presented by the Korean Cancer Association, in collaboration with the Society for Immunotherapy of Cancer.

Friday, June 21

**Symposium 17**
**KOR**

15:40-17:20, Hanra B (3F)

*Joint Symposium of KCA & Korean Society for Laboratory Medicine (KSLM)*

Microbiology and microbiome in cancer

**Chairs**  Nam Yong Lee (Sungkyunkwan University School of Medicine)  
Sook Ryun Park (University of Ulsan College of Medicine)

**SP17-1** Neutropenic fever in cancer patients  
Dong-Gun Lee (The Catholic University of Korea College of Medicine)

**SP17-2** Understanding and analysis of the human microbiome in cancer biology  
Ju Sun Song (Green Cross Genome)

**SP17-3** Microbiome meets cancer and immunology  
Hansoo Park (Gwangju Institute of Science and Technology)

Friday, June 21

**Symposium 18**
**ENG**

15:40-17:20, Hanra C (3F)

Current practice and dilemma in oligometastatic disease of lung cancer

**Chairs**  Young Tae Kim (Seoul National University College of Medicine)  
Sung Ja Ahn (Chonnam National University Medical School)

**SP18-1** Pathologic and molecular characterization of oligometastatic disease  
Dong Hoon Shin (Pusan National University School of Medicine)

**SP18-2** Surgical treatment of oligometastatic disease  
Hyun Koo Kim (Korea University College of Medicine)

**SP18-3** Radiotherapy for oligometastatic disease of lung cancer  
Yang-Gun Suh (National Cancer Center)

**SP18-4** Systemic therapy update in oligometastatic disease  
Sook Hee Hong (The Catholic University of Korea College of Medicine)

This program is presented by the Korean Cancer Association, in collaboration with the Society for Immunotherapy of Cancer.
Friday, June 21

Symposium 19  KOR
암관련학회협의체 심포지엄

15:40-17:20, Shilla A (3F)

Chairs
박우윤 (충북의대), 양한광 (서울의대)

SP19-1 Behaviors and attitudes toward the use of complementary and alternative medicine among Korean cancer patients
권정혜 (한림의대)

SP19-2 Challenging issues in off label use for rare cancers
이대호 (울산의대)

SP19-3 Cancer survivorship
박지수 (연세의대)

Panel Discussion

Moderator
김열홍 (고려의대)

Panelists
곽호신 (국립암센터, 대한신경종양학회 회장)
김태일 (연세의대, 대한암예방학회 회장)
백무준 (순천향의대, 대한대장항문학회 편집위원장)
조재용 (연세의대, 대한종양내과학회 부회장)
최윤선 (고려의대, 한국호스피스완화의료학회 이사장)
조건희 (동아일보 사회부 보건복지담당 기자)

Friday, June 21

International Session 7  ENG
Translational research in GI cancers

15:40-17:00, Baekje B (4F)

Chairs
Hideo Baba (Graduate School of Medical Sciences, Kumamoto University, Japan)
Min-Hee Ryu (University of Ulsan College of Medicine)

IS7-1 Modeling signet ring cell gastric cancer by using mouse models and organoids
Masahiro Hata (The University of Tokyo, Japan)

IS7-2 Comprehensive genomic analysis of clonal evolution during metastasis in gallbladder adenocarcinoma (GBAC)
Ji-Won Kim (Seoul National University Bundang Hospital)

IS7-3 The effectiveness and feasibility of extended-field radiotherapy using modern radiotherapy techniques for squamous cell carcinoma of the esophagus without lymph node metastasis
Eun Sang Oh (National Cancer Center Graduate School of Cancer Science and Policy)

IS7-4 The risk of pathogenic germline variants of patients with double primary cancer at stomach and colon
Yoon Young Choi (Yonsei University Health System)

IS7-5 Role of hormonal therapy in advanced gall bladder carcinoma patients: An Indian institutional experience
Aseem Rai Bhatnagar (Shalby Hospital, India)
International Session 8  ENG  15:40-17:00, Baekje C (4F)

New methods in tumor biology

Chairs
Soo-Youl Kim (National Cancer Center)
Yoon-La Choi (Sungkyunkwan University School of Medicine)

IS8-1  The paradoxical roles of ZEB1 in thyroid cancers: A putative diagnostic and therapeutic target
Minjun Kim (Seoul National University College of Medicine)

IS8-2  miR-15b-5p and miR-222-3p: Potential oncomiRs in air pollution-related lung cancer
Nurul-Syakima Ab Mutalib (National University of Malaysia, Malaysia)

IS8-3  The role of XRCC4 in human colon cancer stem cells and radiosensitivity
Sei Sai (National Institutes for Quantum and Radiological Science and Technology, Japan)

IS8-4  Epigenetic activation of a tumor suppressor gene in human ovarian carcinomas
Chang Sung (Texas A&M University-Kingsville, USA)

IS8-5  Predominant DICER1 mutations in pediatric follicular thyroid carcinomas
Young Ah Lee (Seoul National University Children’s Hospital)

Closing Reception  17:30-18:30, Goguryeo (5F)
Thursday, June 20

Poster Presentation 1 09:00-17:00, Baekdu (5F)

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<tr>
<th>Poster #</th>
<th>Title</th>
<th>Authors</th>
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<tr>
<td>P1-001</td>
<td>Intratumoral STING activation reprograms tumor vasculatures and synergizes with VEGFR2 blockade to enhance cancer immunity</td>
<td>Chan Kim (CHA University School of Medicine)</td>
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<tr>
<td>P1-002</td>
<td>BRAFV600E transduction of SV40-immortalized normal human thyroid cells induces dedifferentiated thyroid carcinogenesis in a mouse xenograft model</td>
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Kazi MA Zinnah (Biosafety Research Institute, College of Veterinary Medicine, Chonbuk National University)

**P1-019** Duloxetine attenuates TRAIL resistance via AMPK-mediated inhibition of autophagy flux in lung cancer cells  
Kazi MA Zinnah (Biosafety Research Institute, College of Veterinary Medicine, Chonbuk National University)

**P1-020** Downregulation of c-FLIP and upregulation of DR-5 by cantharidin sensitizes TRAIL-initiated apoptosis in prostate cancer cells via autophagy flux  
Kazi MA Zinnah (Biosafety Research Institute, College of Veterinary Medicine, Chonbuk National University)

**P1-021** Neferine sensitizes human prostate cancer cells to TRAIL-induced apoptosis via autophagy and JNK/p53 pathway  
Kazi MA Zinnah (Biosafety Research Institute, College of Veterinary Medicine, Chonbuk National University)

**P1-022** Prognostic value of the metabolism score using 18F-FDG PET/CT for disease-specific survival in patients with gastric cancer after curative surgical resection  
Bong-II Song (Dongsan Medical Center, Keimyung University School of Medicine)

**P1-023** Circulating exosomal microRNA-199b-5p as a non-invasive biomarker to predict response of preoperative chemoradiotherapy (CRT) for locally advanced rectal cancer (LARC)  
Su-Min Im (Kyungpook National University School of Medicine)

**P1-024** Identification of PD-L1 positive exosomal microRNAs in human hepatocellular carcinoma  
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**P1-025** A correlation study of RICTOR overexpression and amplification: A study in advanced solid tumors  
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**P1-027** Determination of biliary glycoprotein CEACAM1 as an alternative molecular biomarker for cholangiocarcinoma  
Nirunthana Jaimongkol (Faculty of Medical Science, Naresuan University, Thailand)

**P1-028** Digital droplet PCR measurement for plasma HER2 amplification in patients with AGC  
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**P1-029** Increased serum levels of galectin-1 as a potential biomarker for cholangiocarcinoma  
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**P1-030** Integrated analysis of nano-sized particle in human cerebrospinal fluid: A measurement of extracellular vesicle concentration change with miR-21 expression after chemotherapy for leptomeningeal carcinomatosis  
Ho-Shin Gwak (National Cancer Center Graduate School of Cancer Science and Policy)

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Bong-II Song (Dongsan Medical Center, Keimyung University School of Medicine)

**P1-032** Selective cytotoxicity of PLK1 inhibitors toward CCNA2^{high} gastric cancer  
Yunji Lee (Yonsei University College of Medicine)
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Andrew Jihoon Yang (Yonsei University College of Medicine)

**P1-034**
**Identification of high and middle penetrance pathogenic variants through multigene panel analysis in hereditary breast/ovarian cancer patients**
Jin-Sun Ryu (National Cancer Center)

**P1-035**
**The prognosis and molecular profile of diffuse midline glioma with H3 K27M mutant**
DongHwan Kim (Seoul National University Hospital)

**P1-036**
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Jae Sook Sung (Korea University)

**P1-037**
**High resolution metabolomic reveals elevated kynurenine pathway’s metabolites in humans with prostate cancer**
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**P1-038**
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**P1-039**
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Da-Yeon Lee (Ewha Womans University)

**P1-041**
**Decursin suppresses cell growth in gastric cancer via inhibiting autophagy**
Solbi Kim (Chungnam National University)

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**P1-042**
**Amorphous silica nanoparticle induce the EMT in epithelial lung cancer cells**
Jin Ee Baek (Institute of Occupation and Environment)

**P1-043**
**Decreased Ataxin-3 expression promotes tumorigenesis and metastasis of colorectal cancer**
Seung-Jin Kwag (Gyeongsang National University Hospital)

**P1-044**
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Mi Ri Kwon (University of Ulsan College of Medicine)

**P1-045**
**PFN1 plays an important role in epithelial-mesenchymal transition in squamous cell carcinoma**
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**P1-046**
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**P1-048**
**CD36 overexpression potentiates epithelial-mesenchymal transition and mediates fatty acid uptake and oxidation in breast cancer cells**
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**P1-049**
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Jongsu Woo (Ajou University School of Medicine)

**P1-050**
**Force-mediated proinvasive matrix remodeling driven by tumor-associated mesenchymal stem-like cells in glioblastoma**
Seung mo Kim (Hanyang University)
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Shin-Hyung Park (Dongeui University)

P1-052 Role of Adipocytokine Chemerin in alteration of extracellular microenvironment and malignant transformation of oral submucous fibrosis
Jaya Joshi (Govt College of Dentistry, India)

P1-053 The root bark of *Morus alba* L. inhibits migration of Lewis lung carcinoma cells by suppressing M2 macrophage polarization
Shin-Hyung Park (Dongeui University)

P1-054 Sample size and power calculations for the comparison of overall survival functions in multi-state model
Boram Park (Research Core Center, Research Institute, National Cancer Center)

P1-055 A novel HSP90 inhibitor, NCT-547, targets cancer stem-like properties in HER2-positive breast cancer with trastuzumab resistance
Jung Min Park (Brain Korea 21 Program for Biomedical Science, Korea University College of Medicine)

P1-056 Efficacy of an RNA-based multigene assay with core needle biopsy samples for risk evaluation in hormone-positive early breast cancer
Jee-Eun Kim (R&D Center, Gencurix Inc.)

P1-057 Evaluation of a direct reverse transcription loop-mediated isothermal amplification method without RNA extraction (direct RT-LAMP) for the detection of lymph node metastasis in early breast cancer
In Hee Lee (Catholic University of Daegu, School of Medicine)

P1-058 High level COX-2 expression induces intrinsic and acquired chemoresistance in highly invasive breast cancer cells
Chaudhary Prakash (Yeungnam University)

P1-059 Left-sided postoperative breast irradiation increases cardiac mortality in young women with ductal carcinoma *in situ*
Yu Jin Lim (Kyung Hee University Medical Center)

P1-060 Metaplastic breast cancer: A report of three cases in a tertiary hospital
Rogelio Velasco (Philippine General Hospital, Philippines)

P1-061 Prognostic value of different factors in breast cancer
Anvar Sariyev (Tashkent Medical Academy, Uzbekistan)

P1-062 Reduced galectin-3 expression plays a key role in the stromal invasion of high-grade ductal carcinoma *in situ* cells in microinvasive carcinoma of the breast via epithelial-mesenchymal transition and acquisition of stem cell phenotype
Na-Hye Myung (Dankook University College of Medicine)

P1-063 Retrospective observational study of locally advanced breast cancer (LABC) in postmenopausal female patients and their correlation with hormone receptor status in Indian patients
Rahul Wagh (Gujarat Cancer and Research Institute, India)

P1-064 Targeting drug metabolic gene expression in BREAST cancer
Lkhagva-Ochir Tovuu (National Cancer Center of Mongolia, Mongolia)

P1-065 Clinical efficacy and safety of early adjuvant chemotherapy for stage III colon cancer: Short-term outcomes of a multicenter prospective randomized controlled trial, NCT01460589
Jun Seok Park (Kyungpook National University Medical Center)

P1-066 A comparison of Nepalese and Swedish patients with colorectal cancer regarding tumor suppressor methylation in tumor and mucosa samples
Bikal Ghimire (Institute of Medicine, Maharajgunj Medical Campus, Tribhuvan University, Nepal)
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**PI-083** Rapamycin using folate-conjugated liposomal carriers enhances apoptosis in urothelial carcinoma (URCa) cells and orthotopic bladder cancer mouse model through AMPK activation  
Gwang Yong Hwang (Chung-Ang University College of Medicine)

**PI-084** The CDH1 and PTK2 genes significantly reflect therapeutic responses of overall survival to systemic targeted therapy in metastatic renal cell carcinoma  
Sung Han Kim (Urological Cancer Center, National Cancer Center)

**PI-085** Atypical endometriosis associated with ovarian malignancy  
Kyeong A So (Konkuk University School of Medicine)

**PI-086** Efficacy of the therapeutic HPV vaccine in patients with cervical intraepithelial neoplasia 3: Phase 2 clinical trial  
Youn Jin Choi (Seoul St. Mary's Hospital)

**PI-087** New endometrial cancer risk grouping criteria of Yonsei Cancer Center showed better prediction of survival outcomes  
Hwajung Lee (Yonsei University College of Medicine)

**PI-088** Sexuality studies on gynecologic cancer survivors  
Yumi Lee (Pukyong National University)

**PI-089** Combination effect of chrysin and imiquimod on tumor growth against murine oral squamous cell carcinoma in vitro and in vivo  
Mee-Young Ahn (Silla University)

**PI-090** Differential impact of surgical margin on local recurrence based on primary tumor size in oral buccal mucosal cancers  
Pavan Karella (Gujarat Cancer and Research Institute, India)

**PI-091** Evaluation of serum selenium and serum ceruloplasmin in oral squamous cell carcinoma and leukoplakia  
Mathew O Mampilly (ESIC Medical College & PG institute, India)

**PI-092** LAMB3 is a novel upstream regulator of dual oncogenic Met and Caveolin-2 signaling in head and neck cancer  
Lihua Liu (Chungnam National University)

**PI-093** Real-time lymphatic imaging using near-infrared fluorescent albumin for effective sentinel lymph node tracking in oral squamous cell carcinoma mice xenograft  
Ji Hoon Kim (Yonsei University Wonju College of Medicine)

**PI-094** Impact of preoperative body compositions on survival following resection of biliary tract cancer  
Seung Bae Yoon (The Catholic University of Korea College of Medicine)

**PI-095** Neutrophil/lymphocyte ratio (NLR) may predict prognostic factor with gemcitabine, cisplatin (GC) for patients with biliary tract cancer  
Toru Otsuru (Graduate School of Medicine, Osaka University, Japan)

**PI-096** Statins use is associated with reduced risk of cholangiocarcinoma: A systematic review and meta-analysis  
Gaurav Nepal (Tribhuvan University Institute of Medicine, Nepal)

**PI-097** The significance of sarcopenia in advanced biliary tract cancer  
Byung min Lee (Yonsei Cancer Center, Yonsei University College of Medicine)

**PI-098** Current status of the practice of interventional oncology in Nepal  
Amrit Koirala (Nepal Cancer Hospital and Research Center, Nepal)

**PI-099** Cytokine profiles of non-small cell lung cancer patients treated with concurrent chemoradiotherapy regarding to radiation pneumonitis severity  
Yun Hee Lee (Bucheon St Mary’s Hospital)

**PI-100** Hexane fraction of *Adenophora triphylla var. japonica* induced apoptosis in human non-small cell lung cancer cells by suppression of Src and STAT3  
Shin-Hyung Park (Dongeui University)
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P1-101 Induction of cytoprotective autophagy by moruin in human non-small cell lung cancer cells through activation of AMPK
Shin-Hyung Park (Dongeui University)

P1-102 Role of Keap1-Nrf2 pathway in squamous-cell carcinoma of the lung
Kangkook Lee (Dongsan Medical Center, Keimyung University School of Medicine)

P1-103 Sequential treatment of PD-(L)1 blocking antibody and small-molecule kinase inhibitor increase drug-induced pneumonitis
Dong-gil Kim (National Cancer Center)

P1-104 Suppression of EGFR/STAT3 activity by lupeol contributes to apoptosis induction in human non-small cell lung cancer cells
Shin-Hyung Park (Dongeui University)

P1-105 The herbal formula YYJD-induced transcriptome-wide alternative polyadenylation alteration and its biological implication analysis in lung adenocarcinoma cells
Qiang Zhao (Shanghai Jiao Tong University, China)

P1-106 The root bark of Morus alba L. suppressed the migration of human non-small cell lung cancer cells through inhibition of epithelial-mesenchymal transition mediated by STAT3 and Src
Shin-Hyung Park (Dongeui University)

P1-107 Therapeutic targeting of integrin beta1 with a novel humanized antibody GPS in non-small cell lung cancer
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P1-108 TSA inhibitor tumor formation through KRAS in lung cancer
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Noorie Choi (Seoul National University College of Medicine)

P1-111 How can we wait for final response of radiotherapy in primary gastrointestinal low grade B-cell lymphoma?
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P1-112 The role of rituximab in primary central nervous system lymphoma (PCNSL): A systematic review
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P1-113 Loss of SIRT6 is associated with poor prognosis in patients with gastroenteropancreatic neuroendocrine tumor
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P1-114 Clinical outcomes of second-line chemotherapy after progression on nab-paclitaxel plus gemcitabine in patients with metastatic pancreatic adenocarcinoma
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Surendra Shah (Patan Hospital, Patan Academy of Health Sciences, Nepal)

P1-116 Post-operative delirium in patients undergoing surgery for bone metastases
Ilkyu Han (Seoul National University Hospital)

P1-117 The challenges of pediatric oncology nurses towards delivering experiences to palliative care
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| P1-119 | A prospective comparative study of sentinel lymph node biopsy with indo-cyanine green (icg) florescence technique versus dual dye technique for early breast cancer
|        | Ashwin Rajagopal (Manipal Comprehensive Cancer Center, India) |
| P1-120 | Inhibition of MDA-MB-231 human breast cancer xenograft growth by fungal metabolites from *Alternaria alternata*
|        | Farha Kabeer (Cochin University of Science and Technology, India) |
| P1-121 | Comparison of functional outcomes between functional jejunal interposition and conventional roux-en-y esophagojejunostomy after total gastrectomy for gastric cancer
|        | Yun Li (Jinling Hospital, School of Medicine, Nanjing University, China) |
| P1-122 | An assessment of oral health status, tobacco use and cancer awareness among tea plantation workers (Irula tribes), Nilgiri hills, Tamilnadu, India
|        | Delfin Lovelina Francis (Tamil Nadu Dr MGR Medical University, India) |
| P1-123 | Community-based screening for early detection of head and neck cancer among the tribal community in Wayanad District, India
|        | Khadeeja Shanavas (Meethal Clinics, India) |
| P1-124 | Oral health disparities among privileged and underprivileged tribes of South India - A study on precancerous oral lesions prevalence
|        | Khadeeja Shanavas (Meethal Clinics, India) |
| P1-125 | Tobacco use, awareness and cessation among Malayali tribes, Yelagiri Hills, Tamil nadu, India
|        | Delfin Lovelina Francis (Tamil Nadu Dr MGR Medical University, India) |
| P1-126 | Noninvasive and low-cost technique for early detection of clinically relevant breast lesions using a handheld point-of-care medical device (ibreastexam): Prospective three-arm triple-blinded comparative study for breast cancer screening in low resource setting countries
|        | Ashwin Rajagopal (Manipal Comprehensive Cancer Center, India) |
| P1-127 | Unusual presentations of acute lymphoblastic leukemia in children: A study of 9 patients
|        | Gopal Maheshwari (The Gujarat cancer & Research Institute, India) |
| P1-128 | Application of dynamic monitoring of genomic profiles in non-small-cell lung cancer: A case report
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| P1-129 | Lung cancer patients in eastern region of Nepal
|        | Ram Sharan Mehta (B.P. Koirala Institute of Health Sciences, Nepal) |
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**Friday, June 21**

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**P2-025** Genotoxic stress/p53-induced DNAJB9 inhibits the pro-apoptotic function of p53  
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**P2-026** Identification of NORE1A as a feedback terminator of TNF signaling that antagonizes TNFR1 through the assembly of an ITCH-mediated destruction complex  
Kyung-Phil Ko (Korea University)

**P2-027** XAF1 directly antagonizes GRP78 to drive ER stress-induced apoptosis through the assembly of a ZNF313-mediated destruction complex  
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Yunmi Ko (Center for Pediatric Cancer, National Cancer Center)

**P2-030** Differential expression PD-L1 on pancreatic cancer cells treated with interferons  
Ku Sul Kim (Severance Biomedical Science Institute, Brain Korea 21 PLUS Project for Medical Science, Yonsei University College of Medicine)

**P2-031** The communication between NK-92 and hepatocellular carcinoma through CXCL9  
Yoojin Cho (Duksung women university)

**P2-032** A murine hematogenous bone metastatic cancer to model spontaneous metastasis of triple negative breast cancer  
Hye Jin Lee (Korea University)

**P2-033** Extracellular matrix gene expression and cytotoxic T lymphocyte infiltration in the tumor microenvironment in NSCLC  
Amy Eunkyung Choi (Bio-Techne)

**P2-034** Tumor-derived soluble ICAM-1 plays a role in recruitment of macrophages and cellular crosstalk between tumor cells and macrophages through WNT3A for glioblastoma invasion  
Jae-Hyeok Kang (Research Institute for Natural Sciences, Hanyang University)

**P2-035** The Korean Society for Neuro-Oncology (KSNO) guideline for glioblastomas: Version 2018.01  
Young Zoon Kim (Sungkyunkwan University Samsung Changwon Hospital)

**P2-036** A study of the immunogenic response of human breast adenocarcinoma to high-intensity focused ultrasound-induced mechanical ablation  
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**P2-037** Efficacy of immune checkpoint inhibitors in advanced solid tumor: Single center experience  
Sung Shim Cho (St. Vincent’s Hospital)

**P2-038** Experience of effective pembrolizumab therapy for chemo-resistant gestational trophoblastic neoplasia: Case report  
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**P2-039** Feasibility of syngeneic mice models of breast cancer for research of immune checkpoint blockades  
Nahee Park (CHA Bundang Medical Center)

**P2-040** Optimizing cell activation, cytokine stimulation, and bioreactor systems for efficient ex vivo expansion of human T cells  
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Jaeil Shin (Institute of BioInnovation Research, Kolon Life Science)
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P2-043 A novel HSP90 inhibitor, NCT-58, overcomes trastuzumab resistance in HER2-positive breast cancer
Soeun Park (Korea University College of Medicine)

P2-044 Abemaciclib for pre/peri-menopausal women with HR+, HER2- advanced breast cancer
Jeong-A Lee (Eli Lilly and Company Korea)

P2-045 Centrosome declustering improve radiotherapy and induce immune response via cGAS-STING pathway activation in breast cancer cells
Min Ho Choe (Korea Institute of Radiological and Medical Sciences)

P2-046 Establishment of Patient-Derived Tumor Xenograft models of breast cancer
Young Bin Cho (CHA Bundang Medical Center, CHA University)

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Joori Kim (Seoul St. Mary’s Hospital, The Catholic University of Korea)

P2-048 Genomic landscape of breast cancer patients in Korea: Early data from K-MASTER project
Ju Won Kim (Korea University Medical Center, Korea University College of Medicine)

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Bum-Sup Jang (Seoul National University Bundang Hospital)

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P2-054 Risk factors for regional recurrence in node-negative breast cancer: Implications of regional nodal irradiation
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Ji-Sun Lim (Korea University)

P2-056 Inhibitory effects of morin on platelet activation and fibrin clot in human platelets
Gi Suk Nam (Dongguk University School of Medicine and Intractable Disease Research Center)

P2-057 Circulating tumor DNA analysis during operation and adjuvant chemotherapy period for colorectal cancer
Chul Seung Lee (Seoul St. Mary’s Hospital, The Catholic University of Korea)
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P2-059 Gene expression profiling identifies potential biomarkers for colorectal cancer using NanoString nCounter assay
Yani Kang (Shanghai Jiao Tong University, China)

P2-060 Role of UFBP1 as an oncogene in colorectal cancer
Jina Lee (Korea Research Institute of Standards and Science)

P2-061 Synergistic effect of phloretin in TRAIL-induced apoptosis in colon cancer cells
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P2-062 The role of adjuvant chemotherapy in high risk, stage II colon cancer with high-frequency microsatellite instability (MSI-H)
Ji Bum Lee (Yonsei Cancer Center)

P2-063 Vascular invasion might be a strong predictive factor in right-sided rather than left-sided colon cancer
Jung Hoon Bae (Seoul St. Mary’s Hospital, College of Medicine, The Catholic University of Korea)

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Yoon Young Choi (Yonsei University Health System)

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Younghoon Kim (Cancer Research Institute, Seoul National University College of Medicine)

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Trongdat Le (Graduate School of Cancer Science and Policy, National Cancer Center)

P2-075 Prevalence of BRCA mutations in Korean patients with ovarian cancer: Systematic review
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Moo Hyun Lee (Keimyung University School of Medicine)
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Huyen Trang Nguyen (Graduate School of Cancer Science and Policy, National Cancer Center)

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Junho Kang (Asan Medical Center)

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Young-Ju Kwon (Korea Institute of Radiological and Medical Sciences, University of Science & Technology)

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Meerim Park (Center for Pediatric Cancer, National Cancer Center)

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Lance Isidore Catedral (University of the Philippines – Philippine General Hospital, Philippines)

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Ju Yeon Oh (Korea University, Korea Cancer Center Hospital)

P2-111  A new scoring system for predicting outcome in critically ill cancer patients
Min-Kyue Shin (Yonsei University College of Medicine)

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Frederic Ivan Ting (Dr. Pablo O. Torre Memorial Hospital, Philippines)

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Ji Soo Park (Yonsei Cancer Center)

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Karen Anjela Mondragon (University of the Philippines - Philippine General Hospital, Philippines)

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Shakil Moidin (AlRass Dental College, Kingdom of Saudi Arabia)

P2-116  Effects of dental scaling on the outcomes of cancer hospitalization: A nationwide study matched by propensity score
Chien-Chang Liao (Taipei Medical University Hospital, Taiwan)

P2-117  Paget’s disease of vulva in post menopausal women: A case report
Eliza Shrestha (Bhaktapur Cancer Hospital, Nepal)

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Bakhodir Kurbanov (Tashkent Pediatric Medical Institute, Uzbekistan)

P2-119  Triple arm observational study analysing the delay in time to adjuvant chemotherapy and its impact on outcome in completely resected advanced ovarian malignancies treated with Surgery alone, Surgery + IP chemotherapy and Surgery+HIPEC
Ashwin Rajagopal (Manipal Comprehensive Cancer Center, India)
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