AACR-KCA Joint Conference
Precision Medicine in Solid Tumors
November 15 - 17, 2018 | Seoul, South Korea

AACR American Association for Cancer Research

KOREAN CANCER ASSOCIATION

Poster Session A

Thursday, November 15, 2018
17:15–19:30

A001 Comparative assessment of response and acute toxicities in inoperable carcinoma esophagus undergoing concurrent chemoradiation with two different chemo regimens: An interim analysis of phase III clinical trial. Divyesh Kumar, Post Graduate Institute of Medical Education and Research, Chandigarh, India.

A002 Clinical outcome of belotecan as second-line treatment for recurrent small cell lung cancer: A phase IIb randomized multicenter study. Hye Ryun Kim, Yonsei Cancer Center, Yonsei University College of Medicine, Seoul, South Korea.

A003 An umbrella study of biomarker-driven targeted therapy in patients with platinum-resistant recurrent ovarian cancer: AMBITION. Jung-Yun Lee, Yonsei University, Seoul, Korea.

A004 Expression of PDGFRα, ligands, and related genes versus clinical outcomes in a phase 1B/2 study of olaratumab plus doxorubicin in soft tissue sarcoma. Sae Young Lee, Eli Lilly and Company, Seoul, Korea.

A005 Olaratumab after treatment with olaratumab + doxorubicin: Monotherapy outcomes from the JGDG phase 2 clinical trial. Sae Young Lee, Eli Lilly and Company, Seoul, Korea.

A006 T cell ratio of tumor infiltrating lymphocytes in HER2+ and triple negative breast cancer patient. Sung-hee Park, Pusan National University Hospital, Pusan National University College of Medicine, Busan, South Korea.

A007 CCND1 splice variant as a novel diagnostic and prognostic biomarker for thyroid cancer. Chan Kwon Jung, The Catholic University of Korea, Seoul St. Mary's Hospital, Seoul, Republic of Korea.

A008 GenesWell™ ddEGFR Mutation Test is a valuable diagnostics to identify NSCLC patients for EGFR-TKI treatment. Dayeon Ryu, R&D Center, Gencurix Inc., Seoul, Republic of Korea.

A009 Preliminary microdose clinical trial: Comparison of biodistribution of ^{64}Cu-NOTA-Trastuzumab with ^{64}Cu-DOTA-Trastuzumab in breast cancer. Inki Lee, Korea Institutes of Radiological and Medical Sciences, Seoul, Korea.

A010 The development of a new detection method of colorectal cancers from patients' blood using rpS3 antibody and dot blot. Joon Kim, Div of Life Sciences, Korea University, Seoul, Korea.

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A011 Discordance between the BCT score and Oncotype DX recurrence score for risk classification in Asian women 50 years of age or younger with clinical low-risk, hormone receptor-positive, HER2-negative lymph node-negative breast cancer. Mi Jeong Kwon, Kyungpook National University, Daegu, Republic of Korea.

A012 The complementary role of microsatellite instability and single patient classifier for stage II/III gastric cancer: Results from the CLASSIC trial. Yoon Young Choi, Yonsei University Health System, Seoul, Republic of Korea.

A013 In vitro effects of glutamine deprivation on cancer cell proliferation and oxidative stress. Annie Joubert, University of Pretoria, Pretoria, GP, South Africa.

A014 Interim- and posttreatent response to neoadjuvant chemotherapy assessed by 18F-FDG PET/CT for the prediction of outcome in osteosarcoma of the extremities. Byung hyun Byun, Korea Cancer Center Hospital, Korea Institute of Radiological and Medical Sciences (KIRAMS), Seoul, Republic of Korea.

A015 Early prediction of pathologic response to neoadjuvant chemotherapy in advanced breast cancer using Convolutional Neural Network algorithm. Joon Ho Choi, KIRAMS, SEOUL, Republic of Korea.

A016 Predicting pathological noninvasiveness in T1 non-small cell lung cancer on chest CT scan using deep learning algorithm. Kyongmin Beck, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea.

A017 In vivo single cell tracking with PET using radiolabeled mesoporous silica nanoparticles. Kyung Oh Jung, Stanford University School of Medicine, Palo Alto, CA, USA.

A018 [18F]FDG PET/MRI in gastric cancer patient-derived xenografts. Seong-Woo Bae, Cancer Research Institute, Seoul National University College of Medicine, Seoul, Republic of Korea.

A019 Utility of 18F FDG-PET/CT for predicting pathologic complete response of luminal HER2-negative breast cancer patients receiving neoadjuvant chemotherapy. Yee Soo Chae, Kyungpook National University Chilgok Hospital, Daegu, Republic of Korea.

A020 Expression of Stathmin1 in gastric adenocarcinoma. Bat-Erdene Batsaikhan, Mongolian National University of Medical Sciences, Ulaanbaatar, Mongolia.

A021 Comprehensive molecular classification of bladder cancer reveals distinct prognostic subgroups with different sensitivities to immunotherapy. Bic-Na Song, Korea Research Institute of Bioscience and Biotechnology, Daejeon, Korea.

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A022 Is NF2 a key player of the differentially expressed gene between spinal cord ependymoma and intracranial ependymoma? Chun Kee Chung, Seoul National University, Seoul, Korea.

A023 Dysregulation of microRNA machinery components in clear cell renal cell carcinoma. Dongeun Kim, Department of Immunology, School of Medicine, Keimyung University, Daegu, South Korea.

A024 PHLI-seq identifies genetic variances in single cell-isolated CD133 positive human colon cancer cells. Dong-Wook Min, Seoul National University, Seoul, South Korea.

A025 Mutational analysis of radiotherapy-naïve versus -recurrent tumors in uterine cervical cancer. Endang Nuryadi, Gunma University Graduate School of Medicine, Maebashi, Gunma, Japan.

A026 Targeting of QKI by miR-200 promotes epithelial-to-mesenchymal transition and tumor growth. Eun Ju Kim, College of Medicine, Ewha Womans University, Seoul, Korea.

A027, PP1 Targeted sequencing analysis of pulmonary adenocarcinoma with multiple synchronous ground-glass/lepidic nodules. Eunhyang Park, Seoul National University Bundang Hospital, Seoul National University College Of Medicine, Seongnam, Republic of Korea.

A028 Analysis of germ line variants in cancer-related genes of black female South African breast cancer patients. Fourie Joubert, University of Pretoria, Pretoria, GP, South Africa.

A029 Novel recurrent or clinically-actionable in-frame gene fusions in diffuse gastric cancer. Hanna Yang, National Cancer Center, Goyang, Gyeonggi, Republic of Korea.

A030 Establishment of a large-scale drug sensitivity screening platform on gastric cancer organoid cultures with potential to guide treatment. Helen HN Yan, Department of Pathology, The University of Hong Kong, Hong Kong, Hong Kong.

A031 Cancer genomic profiling of Korean cancer patients in K-MASTER cancer precision medicine diagnosis and treatment enterprise using next generation sequencing assay. Jae Sook Sung, Korea university, Seoul, Republic of Korea.

A032 The interaction of HOX transcript antisense intergenic RNA (HOTAIR) single nucleotide polymorphism and risk of colorectal cancer in Koreans. Jeong yong Lee, College of Life Science, CHA University, Seongnam, gyeonggi-do, Republic of Korea.

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A033 Gene and environment interaction relevant to estrogen and risk of breast cancer: Should gene and environment interaction be detected only among significant SNPs from GWAS?. JooYong Park, Seoul National University Graduate School, Seoul, Republic of Korea.

A034 Comparison of a next-generation sequencing panel from the K-MASTER project with orthogonal methods for the detection of *KRAS/NRAS/BRAF* mutations in colorectal cancer and *HER2* amplifications in breast cancer. Jung Yoon Choi, Korea University Anam Hospital, Seoul, Republic of Korea.

A035 Comparison of genomic profiles of primary and matched metastatic tissues in patients with colorectal cancer by using the Ion AmpliSeq Cancer Hotspot Panel. Jung Yoon Choi, Korea University Anam Hospital, Seoul, Republic of Korea.

A036 Transcriptome profiling-based identification of prognostic subtypes of glioblastoma: Novel therapeutic strategy targeting invasiveness. Junseong Park, Yonsei University College of Medicine, Seoul, Republic of Korea.

A037 Regorafenib can reverse SPHK1 associated oxaliplatin resistance in colon cancer cell line. Se Jun Park, Seoul St. Mary's Hospital, The Catholic University, Seoul, Republic of Korea.

A038 miniABS: An absolute, single-sample subtype classifier of breast cancer with 11 functional genes. Mi-kyoung Seo, Yonsei University College of Medicine, Seoul, Republic of Korea.

A039 Prevalence of abnormal microsatellite instability among ovary and endometrial cancer patients. Min Kyu KIm, Sungkyunkwan University of Medicine,Samsung Changwon Hospital, Changwon-si, Republic of Korea.

A040, PP2 Mechanisms of gene fusion formation in bone and soft tissue tumors. Nathaniel Anderson, The Hospital for Sick Children, Toronto, Ontario, Canada.

A041 Functional annotation of non-coding variants to infer effects on melanoma initiation. Paula Godoy, Washington University in St. Louis, St. Louis, MO, USA.

A042 Ursolic acid plus paclitaxel inhibit metastasis of esophageal cancer cells by suppression of FOXM1. RUOYU MENG, Institute for Medical Sciences, Chonbuk National University Medical School, Jeonju, Jeollabuk-do, Republic of Korea.

A043 Gaps in willingness to undergo BRCA 1/2 testing, communicate its results, and undergo risk reduction surgery among general public, cancer patients, and health-care professionals. Seung Yeon Cho, National Cancer Center, Goyang, Republic of Korea.

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A044 Precise therapy rescues one advanced breast cancer patient with VUS BRCA2 mutant. Song Peng Li, Department of Thyroid Breast & Vascular Surgery, Xijing Hospital, Fourth Military Medical University, Xi'an, Shaanxi, China.

A045 Association between 21-gene recurrence-score and PIK3CA mutation in ER-positive/HER2-negative breast cancer. Sung Gwe Ahn, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Republic of Korea.

A046 A robust genomic signature to predict distant metastasis among stage I lung adenocarcinoma patients. Sungjune Kim, Moffitt Cancer Center, Tampa, FL, USA.

A047 High tumor purity of patient-derived organoids allow accurate depiction of pancreatic adenocarcinoma subtypes. Sungsoo Kim, Seoul National University, Seoul, Republic of Korea.

A048 Transcription factor E2F1 is associated with the homologous recombination activity by RAD54L in bladder cancer cells. Sun-Hee Leem, Dong-A University, Busan, Republic of Korea.

A049 Next-generation sequencing-based molecular characterization of urothelial carcinoma in Korean patients from the K-MASTER project. Yoon Ji Choi, Korea University Anam Hospital, Seoul, Republic of Korea.

A050 Genomic analysis of brain metastasis from ovarian/ peritoneal cancer. Youn Jin Choi, Seoul St.Mary's Hospital, Seoul, Republic of Korea.

A051 SCLY expression in colorectal carcinoma: Genetic analysis. Zewon Park, NIFDS, Cheongju, Republic of Korea.

A052 The selective inhibitor of HDAC6 induces apoptosis and synergizes with BTK inhibitor Ibrutinib in follicular lymphoma. Dong Hoon Lee, Yonsei University, Incheon, Republic of Korea.

A053 HDAC6-selective inhibitor has effective and potent anticancer activity in AIRD1A-muatated ovarian cancers. Go Woon Kim, College of Pharmacy, Yonsei Institute of Pharmaceutical Sciences, Yonsei University, Incheon, Republic of Korea.

A054, PP3 TET1-mediated 5-hydroxymethylcytosine alteration in the pathogenesis of medulloblastoma. Hyerim Kim, Emory University, Atlanta, GA, USA.

A055 Temozolomide-resistant glioblastoma depends on HDAC6 activity through regulating MMR. Soo-Keun Yeon, College of Pharmacy, Yonsei Institute of Pharmaceutical Sciences, Yonsei University, Incheon, Republic of Korea.

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A056 Altered expression of the T-cell regulators on the glioblastoma cells can be epigenetically modulated by the histone methylase or demethylase and influence on the prognosis of the glioblastoma patients. Young Zoon Kim, Sungkyunkwan University, Changwon, Republic of Korea.

A057 Alternative splicing associated with epigenetic interactions between miRNA and DNA methylation in bladder cancer. Younghee Lee, University of Utah School of Medicine, Salt Lake City, UT, USA.

A058 Transcription factor Sp1 prevents TRF2ΔBΔM-induced premature senescence in human diploid fibroblasts. Hyeon Ju Lee, Kangwon National University School of Medicine, Chuncheon, Republic of Korea.

A059 Variants of cancer susceptibility genes in Korean patients with a high risk for hereditary breast cancer: An updated analysis. Ji Soo Park, Yonsei Cancer Center, Seoul, Republic of Korea.

A060 Novel combination of quercetin and benzyl isothiocyanate synergistically boosted the death of breast adenocarcinoma cells. Muhamad Hatib A Rahaman, School of Fundamental Science, Universiti Malaysia Terengganu, Kuala Terengganu, Terengganu, Malaysia.

A061 Cytotoxicity, apoptosis induction, and cell cycle modulation of curcumin and pentagamavunon-1 on 4T1 breast cancer cell. Retno Murwanti, Faculty of Pharmacy, Yogyakarta, DIY, Indonesia.

A062 Curcumin suppresses oncogenicity of human colon cancer cells by covalently modifying the cysteine 67 residue of SIRT1. Yeon-Hwa Lee, Tumor Microenvironment Global Core Research Center, College of Pharmacy, Seoul National University, Seoul, Republic of Korea.

A063 Profiling the tumor microenvironment: Characterization of immune checkpoint marker expression and infiltrating immune cells. Amy Eunkyung Choi, Advanced Cell Diagnostics, Seoul, Republic of Korea.

A064 Tumor heterogeneity regarding radiosensitivity, recurrence risk, and PD-L1 in breast cancer: Transcriptome analysis of single-cell RNA sequencing data. Bum-Sup Jang, Seoul National University Hospital, Seoul, Republic of Korea.

A065 Reductive stress conferred by Nrf2-mediated overproduction of GSH contributes to self-renewal activity of breast cancer stem-like cells. Do-Hee Kim, Seoul National University, Seoul, Republic of Korea.

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A066 The expansion by the IL-33 contribute to accumulation of regulatory T cells in the tumor microenvironment. Jimin Son, Yonsei University, Seoul, Republic of Korea.

A067 Fibroblast growth factor-2-derived from cancer-associated fibroblasts stimulates proliferation and migration of human breast cancer cells. Jinyoung Suh, Seoul National University, Seoul, Republic of Korea.

A068 Adipocytes up-regulates CD36 expression, fatty acid uptake, and oxidation: Enhancing breast cancer cell progression. Jones Gyamfi, Yonsei University, Incheon, Yeonsu-gu, Republic of Korea.

A069 The metabolic comparison between normal and lung cancer cell lines in the anoikis condition. MUNKI CHOO, College of Pharmacy, Seoul National University, Seoul, Republic of Korea.

A071 PTEN loss induces EMT and metastasis through Akt/β-Catenin/Snail signaling in non-small cell lung carcinoma cells. Perumal Elumalai, Precision Medicine Research Center, Integrated Research Center for Genome Polymorphism, The Catholic University of Korea, Seoul, Republic of Korea.

A073 COL1A1 as predictive marker of chemoresistance in gastric cancer. Seon Jin Lee, Pusan National Univeristy Hospital, Busan, Republic of Korea.

A074 Effects of CAF-specific microRNAs on lung cancer progression and metastasis. Sieun Lee, College of Medicine, Ewha Womans University, Seoul, Korea.

A075 Histon deacetylase Sirt6 inhibits hepatocellular carcinoma cell growth through down-regulating β-catenin. Cong Shan Li, Hepatocellular Carcinoma Cells, Jeonju, Jeonlabuk-do, Republic of Korea.

A076 Discovery of recurrence-specific mutations using machine learning in breast cancer. Han-Jun Cho, CHA University School of Medicine, Seongnam, Gyeonggi, Republic of Korea.

A077 Clinical characteristics and treatment pattern of bladder cancer with non-urothelial histology in Korea. Hee Yeon Lee, Incheon St. Mary's Hospital, Incheon, Republic of Korea.

A078 Observation of acetyl phosphate formation in mammalian mitochondria using real-time in-organelle NMR metabolomics. Hoonsik Nam, College of Pharmacy, Seoul National University, Gwanak-gu, Seoul, Republic of Korea.

A079 Inactivation of SREBP1 and SREBP2 with HN1 suppresses hepatocellular carcinoma. Hua Jin, Institute for Medical Science, Chonbuk National University Medical School, Jeonju, Jeonlabuk-do, Republic of Korea.

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A080 Development of HER2 specific aptamer-drug conjugate for breast cancer therapy. Hwayeon Jeong, Biois Co., Ltd., Seoul, Republic of Korea.

A081 Comprehensive molecular characterization and clinical utility of gastric cancer patient-derived xenograft (PDX). Jae Eun Lee, Yonsei Biomedical Research Institute, Yonsei University College of Medicine, Seoul, Republic of Korea.

A082 GNAQ alteration is associated with metastasis through regulation of RANKL. Ji-Yoon Choi, Samsung Medical Center, Seoul, Republic of Korea.

A083 Synergistic anti-cancer effects of AKT and SRC inhibition in human pancreatic cancer cells. Jongbeom Oh, CHA Bundang Medical Center, CHA University School of Medicine, Seongnam, Gyeonggi-do, Republic of Korea.

A084 De novo transcriptome analysis to search for the function of lichen on gastric and colon cancer cells. Woo Kyun Bae, Chonnam National University Hwasun Hospital, Hwasun, Republic of Korea.

A085 ER stress–targeted radiosensitizing effect of β-Apopicropodophyllin in cancer. Ju Yeon Kim, KIRAMS, Seoul, Republic of Korea.

A086 Measurement of anxiety and depression among cancer patients seen in an outpatient clinic of a tertiary hospital using the validated Hospital Anxiety and Depression Scale – Pilipino Version (HADS-P). Kenneth Samala, UP-Philippine General Hospital, Manila, Philippines.

A087 Metastatic melanoma to the heart presenting as third degree atrioventricular block: A case report. Kenneth Samala, UP-Philippine General Hospital, Manila, Philippines.

A088 Prolonged MEK inhibition leads to acquired resistance and increased invasiveness in KRAS mutant gastric cancer. Kyoung-Min Choi, Graduate School of Analytical Science and Technology (GRAST), Chungnam National University, Daejeon, Republic of Korea.

A089 The anticoagulation treatments with 6-month clinical outcomes in cancer patients having venous thromboembolism (VTE). Min Hee Hong, Yonsei Cancer Center, Severance Hospital, Yonsei University College of Medicine, Seoul, Republic of Korea.

A090 Artemisia capillaris extract induces apoptosis and anti-angiogenesis via blocking PI3K/AKT signaling in HCC. Min Ji Cheon, Inha University, Incheon, Republic of Korea.

A091 Successful desensitization of patients with oxaliplatin and cetuximab hypersensitivity: A single-center experience with 5 patients. Myoung Joo Kang, Inje University Haeundae Paik hospital, Busan, Republic of Korea.

Poster Session B

Friday, November 16, 2018
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B001 A radiosensitivity gene signature and PD-L1 status predict clinical outcome of patients with glioblastoma multiforme in The Cancer Genome Atlas Dataset. Bum-Sup Jang, Seoul National University Hospital, Seoul, Republic of Korea.

B002 A negative prognostic impact of radiotherapy-induced lymphopenia in patients with breast cancer. Chang Ik Yoon, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Republic of Korea.

B003 The effects of high-intensity focused ultrasound (histotripsy) on tumor immune microenvironment. Cheol-Hee Shin, Center for Biomaterials, Biomedical Research Institute, Korea Institute of Science and Technology (KIST), Seoul, Republic of Korea.

B004 Clinicopathologic significance of CD57-positive immune cells and NK cell activity modulators in microsatellite unstable and stable colorectal cancer. Hee Youn Na, Seoul National University Bundang Hospital, Seongnam-si, Gyeonggi-Do, Republic of Korea.

B005 Optimization of human monoclonal antibody Ab417 for the treatment of malignant cancers. HEESU CHAE, Kangwon National University, Chuncheon, Republic of Korea.

B006 Differential impact of chemotherapy on a cancer vaccine based immunotherapy regimen (VBIR) induced immunogenicity in cynomolgus macaques. Helen Cho, Pfizer, La Jolla, CA, USA.

B007 Optimal combination of intratumoral oncolytic virus and immune checkpoint blockade enhances anticancer immune response. Hong Jae Chon, Medical Oncology, CHA Bundang Medical Center, Gyeonggi-do, Republic of Korea.

B008 Heterogeneous exhaustion status of tumor-infiltrating CD8+ T cells determines distinct subgroups of hepatocellular carcinoma patients. Hyung-Don Kim, KAIST, Daejoen, Republic of Korea.

B009 Assay comparability of 22C3 and SP263 immunohistochemistry staining in lung cancer: 1254 paired cases in real clinical practice in a single institution. Hyunjin Kim, Samsung Medical Center, Seoul, Republic of Korea.

B010 Anti-tumor immune responses by dendritic cells pulsed with cancer stem cell antigen. Hyunmi Park, Wide River Institute of Immunology, Hongcheon, Republic of Korea.

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B011 Curcumin and EGCG repress multiple immune check-point ligands regardless of tumor microenvironment in HNSCC. Jaewon Chang, Research Institute for Medical Science, Chungnam National University, College of Medicine, Daejeon, Chungchungnam-Do, Republic of Korea.

B012 Discovery of tumor-specific regulatory T cell activation marker (RTA). Jae-Won Cho, Yonsei University, Seoul, Republic of Korea.

B013 Global proteomic profile correlates of treatment response in gastric cancer endoscopic biopsy. Jeong Won Kang, National Cancer Center, Goyang-si, Gyeonggi-do, Republic of Korea.

B014 Type I interferon signaling sustained during chronic viral infection directly augment NK cell-mediated immunosurveillance for cancer. Ji Hoon Oh, Yonsei University, Seoul, Republic of Korea.

B015 Anti-PD-1-induced reinvigoration of tumor-infiltrating $CD8^+$ T cells is determined by their differentiation status in glioblastoma. Junsik Park, Korea Advanced Institute Science and Technology, Daejeon, Republic of Korea.

B016 Unraveling a novel T-cell exhaustion marker in tumor microenvironment. Kyungsoo Kim, Yonsei University, Seoul, Republic of Korea.

B017 Comprehensive molecular profiling reveals distinct immune microenvironment subtypes of oropharyngeal cancers. Min Hwan Kim, Yonsei Cancer Center, Yonsei University College of Medicine, Seoul, Republic of Korea.

B018 PD-1 blockade reinvigorates bone marrow $CD8^+$ T cells from patients with multiple myeloma in the presence of TGF-β inhibition. Minsuk Kwon, Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea.

B019 Abundance of Treg cells in oral cancer patients and effects of their inhibition on growth of cancer cells. Sadhna Aggarwal, AIIMS, New Delhi, Delhi, India.

B020 A novel deep learning method for predicting epitopes based on sequence and structural information. Seok Jong Yu, KISTI, Daejeon, Republic of Korea.

B021 The synergistic effect of CKD-516 combined with immune checkpoint inhibitors. Soo Jin Kim, CKD Research Institute, Yongin, Gyeonggi-go, Republic of Korea.

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B022 Differences in immune microenvironment between EGFR mutant and EGFR wild type NSCLC. Sook-hee Hong, Seoul St. Mary's Hospital, The Catholic Univerist of Korea, Seoul, Republic of Korea.

B023, PP7 Multiplex three-dimensional imaging cytometry for mapping tumor immune microenvironment. Steve Seung-Young Lee, University of Illinois at Chicago, Chicago, IL, USA.

B024 Synergic effect by the combination treatment of immune checkpoint inhibitor and radiotherapy in mouse fibrosarcoma model. Sun Hyun Bae, Soonchunhyang University College of Medicine, Bucheon, Republic of Korea.

B025 Real-world use of the immune checkpoint inhibitors: A patient-level survey data. Sun-Hong Kwon, IQVIA, Seoul, Republic of Korea.

B026, PP5 Myeloid-derived suppressor cells impair the anti-tumor activity of PD-1 blockade in gastric cancer. Woosook Kim, Columbia University, New York, NY, USA.

B027 Expression of immune checkpoint molecule on tumor-infiltrating lymphocytes in advanced colorectal cancer: The immune landscape analyzed by multiplex immunohistochemistry technique using computerized digital image. Yoonjin Kwak, Seoul National University Hospital, Seoul, Republic of Korea.

B028 Synergistic effects of a novel HDAC inhibitor, CG-745, in combination treatment with an anti-PD-1 immune checkpoint inhibitor for hepatocellular carcinoma. Young-Dae Kim, Institute for Drug Discovery, Seongnamsi, Republic of Korea.

B029 The levels of CTC were significantly associated with the BDNF and VEGF-D in plasma and their factors mediated somatic mutation was detected in CTC enumerated by PCASI. Bong-Seog Kim, VHS Medical Center, Seoul, Republic of Korea.

B030 Simple and low-cost cell-free nucleic acids isolation microfluidic platform from liquid biopsies of cancer patients. Choong Eun Jin, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea.

B031 Novel microfluidic isolation platform and clinical significance of circulating tumor cells. Jiyeon Ryu, GenoBio Corporation, Seoul, Republic of Korea.

B032 Circulating tumor cells and PD-L1 expression in metastatic cholangiocarcinoma: Pilot study. Kabsoo Shin, The Catholic University of Korea, Seoul St. Mary's Hospital, Seoul, Seoul, Republic of Korea.

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B033 The potential of KRAS mutation in circulating-tumor DNA as a marker for prognosis in patients with pancreatic cancer. Min Kyeong Kim, National Cancer Center, Goyang, Gyeonggi, Republic of Korea.

B034 Feasibility of target-specific liquid biopsy using irradiation on two-tumor mouse model. Won-Gyun Ahn, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea.

B035 Genotoxic stress/p53-induced DNAJB9 inhibits the pro-apoptotic function of p53. Hyeon Ju Lee, Kangwon National University School of Medicine, Chuncheon, Republic of Korea.

B036 Nanocarrier composed of magnetite core coated with three polymeric shells mediates LCS-1 delivery for synthetic lethal therapy of BLM-defective colorectal cancer cells. Anas Ahmad, Institute of Nano Science and Technology (INST), Mohali, Punjab, India.

B037 PI3K signalling in primary prostate cancer: A promising target for prostate cancer precision medicine. Andrew Erickson, Institute for Molecular Medicine Finland (FIMM), Helsinki Institute for Life Sciences (Hi-Life), University of Helsinki, Helsinki, Uusimaa, Finland.

B038 Fibroblast growth factor 21 promotes tumor progression in differentiated thyroid cancer. Bon Seok Koo, College of Medicine, Chungnam National University, Daejeon, Republic of Korea.

B039 Targeting USP13-amplified ovarian cancer. Cecil Han, Georgetown University School of Medicine, Washington, D.C., USA.

B040 PTBP1-mediated regulation of AXL mRNA stability plays a role in lung tumorigenesis. Chun-Yu Cho, National Institute of Cancer Research, National Health Research Institutes, Miaoli, Taiwan.

B041 The histone deacetylase inhibitor panobinostat is a potent antitumor agent in gastric cancer. Dayeah Kim, Chonbuk National University Medical School, Jeonju, Republic of Korea.

B042 Targeting tyrosine kinase inhibitor-resistant non-small cell lung cancer by inducing epidermal growth factor receptor degradation via methionine 790 oxidation. Elaine Leung, Macau University of Science and Technology, Taip, Macau.

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B043 Targeting the mechanism leading to radiation-resistant renal cell carcinoma. Eun-Jin Yun, POSTECH, Pohang, Republic of Korea.

B044, PP6 Humanized N-cadherin monoclonal antibodies demonstrate efficacy in treatment of castration resistant prostate cancer. Evelyn Kono, David Geffen School of Medicine at UCLA, Department of Urology, Los Angeles, CA, USA.

B045 PARP1 expression in the high-grade neuroendocrine carcinoma of the lung. Hye Sook Kim, Myongji Hospital, Goyang, Republic of Korea.

B046 Identifying a molecular pathway that controls metastasis in uveal melanoma. Jae Hyuk Yoo, University of Utah, Salt Lake City, UT, USA.

B047 Interleukin-7 contributes the invasiveness of the prostate cancer cells PC-3 via promoting the epithelial-mesenchymal transition. Jin-Hee Kim, Cheongju University, Cheongju, Chungbuk, Republic of Korea.

B048 VEGF is the potential therapeutic target against triple-negative breast cancer patient-derived xenograft model. Jin-Sun Ryu, National Cancer Center, Goyang, Republic of Korea.

B049 Personal therapeutic approaches for small cell lung cancer with *IRS2* amplification. Mi-Sook Lee, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea.

B050 Extracellular vesicle-derived circular RNAs as therapeutic targets for chemoresistant colorectal cancer. Nadiah Abu, UKM Medical Molecular Biology Institute (UMBI), Universiti Kebangsaan Malaysia, Cheras, Kuala Lumpur, Malaysia.

B051 Urothelial carcinoma with trophoblastic differentiation. An under-recognized clinical entity. Nan-Haw Chow, National Cheng Kung University, Tainan, Taiwan.

B052 The crucial role of POU3F2 transcription factor in neuroendocrine prostate cancer. Naoko Kobayashi, David Geffen School of Medicine, University of California, Los Angeles, CA, USA.

B053 miR-133a function in the pathogenesis of dedifferentiated liposarcoma. Peter Yu, University Hospitals Cleveland Medical Center, Case Western Reserve University, Cleveland, OH, USA.

B054 Stromal estrogen receptor alpha and epithelial progesterone receptor are potential targets for cervical cancer. Sanghyuk Chung, University of Houston, Houston, TX, USA.

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B055 Lipocalin 2 inversely regulates TRAIL sensitivity through p38 MAPK-mediated DR5 regulation in colorectal cancer. Se Lim Kim, Chonbuk National University, Jeon-Ju, Chonbuk, Republic of Korea.

B056 BAP1 plays an essential role in colon cancer cell survival through INO80 stabilization. Seul-Gi Park, Ewha Womans University, Seoul, Republic of Korea.

B057 Inhibitory effect of Wnt/β-catenin inhibitor CWP232228 on the growth of ovarian cancer cells. Seungmee Lee, School of Medicine, Keimyung University, Daegu, Republic of Korea.

B058 Oncogenic miRNAs Expressions with breast cancer stem cells in breast carcinoma: A step towards precision medicine. Shailendra Dwivedi, All India Institute of Medical Sciences, Jodhpur, Rajasthan, India.

B059 Glucose-derived acetate and ACSS2 as key players in cisplatin resistance in bladder cancer. Sujin Lee, Seoul National University, Seoul, Republic of Korea.

B060 PRDX4 overexpression is associated poor prognosis in gastric cancer. Sun-Yi Park, Gyeongsang National University School of Medicine, Changwon / Jinju, Republic of Korea.

B061 CRISPR-Cas9 mediated-CD133 knockout effectively reduced cell proliferation, migration and invasion in $CD133^{+}$ colon cancer cells. Wanlu Li, Yonsei University Wonju College of Medicine, Wonju, Republic of Korea.

B062 Salmonella inhibits tumor metastasis by down-regulation heparanase. Wen-Yi Chiou, National Sun Yat-sen University, Kaohsiung, Taiwan.

B063 Loss of LLGL1 promotes gemcitabine resistance by repressing OSMR in pancreatic ductal adenocarcinoma. Yangchao Chen, The Chinese University of Hong Kong, Hong Kong, China.

B064 Androgen deprivation–induced ZBTB46 signaling as a mechanism of castration-resistant prostate cancer. Yen-Nien Liu, Taipei Medical University, Taipei, Taiwan.

B065 Co-expression of MDM2 and CDK4 in transformed human mesenchymal stem cells increases the potency of dedifferentiated liposarcoma. Yu Jin Kim, SKKU, Seoul, Seoul, Republic of Korea.

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B066 *Salmonella*-mediated cytolethal distending toxin transfer inhibits tumor growth. Che-Hsin Lee, National Sun Yat-sen University, Kaohsiung, Taiwan.

B067 Protein–protein interactions profiling via single-molecule techniques to predict the dependence of cancers on epidermal growth-factor receptor family. Hongwon Lee, Proteina Co., Ltd., Seoul, Republic of Korea.

B068 Concordance between artificial intelligence and multidisciplinary tumor board for lung cancer. In-Jae Oh, Chonnam National University Hwasun Hospital, Jeonnam, Republic of Korea.

B069 Anti-tumor efficacy of a plasmid DNA encoding bispecific fusion protein targeting HER2 and VEGF in the BT-474 breast cancer xenograft model. Jihye Koo, GeneOne Life Science, Inc., Seoul, Republic of Korea.

B070 Non-thermal irreversible electroporation modulates the tumor microenvironment and metastatic potential of pancreatic cancer. Rebecca Brock, Virginia Polytechnic Institute and State University, Blacksburg, VA, USA.

B071 Advantages and molecular mechanisms of heavy-ion radiotherapy for refractory pancreatic cancer. Sei Sai, National Institute of Radiological Sciences (NIRS), National Institutes for Quantum and Radiological Science and Technology (QST), Chiba, Japan.

B072 Therapeutic applications of next-generation antisense oligonucleotides (ASOs) to intervene hard-to-inhibit drug targets in oncology. Youngsoo Kim, Ionis Pharmaceuticals Inc., Carlsbad, CA, USA.

B073 HumanNet v2: Human gene networks for cancer research. Chan Yeong Kim, Yonsei University, Seoul, Republic of Korea.

B074 Elucidation of dasatinib action in gastric cancer cells harnessing MS-based activity-based protein profiling. Eun Ji Jo, Graduate School of Analytical Science and Technology (GRAST), Chungnam National University, Daejeon, Republic of Korea.

B075 Personalized adaptive therapies for metastatic solid tumors: Phase i (imaginary) approach. Eunjung Kim, Moffitt Cancer Center, Tampa, FL, USA.

B076 Identification of MYBL2 and FOXM1 as key TFs in tumor progression using transcriptional regulatory networks. Heonjong Han, Yonsei University, Seoul, Seodaemun-gu, Republic of Korea.

Poster Session B

Friday, November 16, 2018
17:15–19:30

B077 Computational oncology prediction model algorithm. Hyunjo Kim, AUMC, Suwon, Kyeunggido, Republic of Korea.

B078 Identification of novel prognostic markers using a neural network-based algorithm in lung adenocarcinomas and head and neck squamous cell carcinomas. Jeong Seon Kim, College of Medicine, Ewha Womans University, Seoul, Republic of Korea.

B079 In silico drug repositioning of bortezomib to reverse metastatic effect of GALNT14 in lung cancer. Ok-Seon Kwon, Seoul National University, Seoul, Republic of Korea.

B080 Beta-catenin/TCF activity is a bio-marker for IGF-1R tyrosine kinase inhibitor sensitivity in colon cancer. Hani Lee, Sookmyung Women's University, Seoul, Republic of Korea.

B081 Pectoralis major myocutaneous flap for reconstruction after oral cancer surgery in Indian scenario: Our experience in 200 patients. Nikhil Garg, Gujarat Cancer and Research Institute, Ahmedabad, Gujarat, India.

B082 Role of post-mastectomy radiotherapy in T1, T2 lesions with 1-3 positive axillary lymph nodes: Study of 101 cases. Nikhil Garg, Gujarat Cancer and Research Institute, Ahmedabad, Gujarat, India.

B083 Pediatric nasopharyngeal carcinoma: An analysis from developing country. Pooja Gogia, Batra Hospital and Medical Research Center, New Delhi, Delhi, India.

B084 Functional characterization of CREBBP and EP300 mutations as a key driver of small cell lung cancer. Kwon-Sik Park, University of Virginia, Charlottesville, VA, USA.

B085 The effect of multileaf collimator leaf width on the radiosurgery planning for spine lesion treatment in terms of the modulated techniques and target complexity. Soo-Min Chae, Cheju Halla Hospital, Jeju, Republic of Korea.

B086 The chronic intermittent hypoxia enhances cancer progression in lung cancer. Sung Bae Cho, St. Paul’s Hospital, The Catholic University of Korea, Seoul, Republic of Korea.

B087 Comparison of the antioxidant activity of genistein and quercetin on ROS generation in different cell lines. Veronika Lachová, Comenius University in Bratislava, Bratislava, Slovakia.

Poster Session B

Friday, November 16, 2018
17:15–19:30

B088, PP4 Genome-wide prediction of synthetic rescue mediators of resistance to targeted and immunotherapy. Joo Sang Lee, University of Maryland Institute of Advanced Computer Science (UMIACS), University of Maryland, College Park, MD, USA.

B089 Early prediction of chemotherapy response using 18F-FDG PET radiomics and deep learning approach in osteosarcoma patients. Wook Kim, Korea Institute of Radiological and Medical Sciences, Seoul, Republic of Korea.

B090 Association of preoperative anemia and perioperative allogenic red blood cell transfusion with oncologic outcomes in patients with non-metastatic colorectal cancer. Young-Wan Kim, Yonsei University Wonju College of Medicine, Wonju-si, Republic of Korea.

B091 HN1 suppresses the growth of colorectal cancer cells by induction of Autophagy. Yu Chuan Liu, Institute for Medical Sciences, Chonbuk National University Medical School, Jeonju, Jeonlabuk-do, Republic of Korea.

B092 Identification of RhBMP-2 as a cell growth inhibitor in human pancreatic cancer cells via Suppression of YAP. Yu Chuan Liu, Institute for Medical Sciences, Chonbuk National University Medical School, Jeonju, Jeonlabuk-do, Republic of Korea.