

Poster Session A

Friday, October 28, 2016

12:00 p.m.–2:00 p.m.

Pacific A–G

A01 Characterization of NOTCH1 mutations in oral cavity squamous cell carcinomas. Kendrick Koo, Royal Melbourne Hospital, Melbourne, Victoria, Australia.

A02 pRb-loss causes widespread changes to the transcriptome and proteome of cells. Wayne Miles, The Ohio State University Comprehensive Cancer Center, Columbus, OH, United States.

A03 FGF-WNT cooperativity and the role of lncRNAs in translational regulation in breast cancer. Tuan Nguyen, Baylor College of Medicine, Houston, TX, United States.

A04 Pulses of translation control to gene expression during cancer evolution steer the immune response checkpoint. Mauro Poggio, University of California, San Francisco, San Francisco, CA, United States.

A05 An in vivo model reveals a role for Argonaute 2 in oncogenic KRAS driven pancreatic cancer initiation. Sunita Shankar, University of Michigan, Ann Arbor, MI, United States.

A06 Identification of BRCA1/2 germline and somatic mutations in Taiwanese patients with ovarian cancer. Tzu-Hao Wang, Chang Gung Memorial Hospital, Taoyuan, Taiwan.

A07 MicroRNA-494 synergistically suppresses gastrointestinal stromal tumors by inhibition of KIT and Survivin, accompanying transcriptional and post-transcriptional inhibition of KIT. SeongJu Yun, Yonsei University College of Medicine, Seoul, Korea, Republic Of.

A08 A 5' UTR RNA G-Quadruplex structure affects both the cap-dependent and independent translation of BAG-1, an mRNA involved in colorectal cancer. Rachel Jodoin, Université de Sherbrooke, Sherbrooke, QC, Canada.

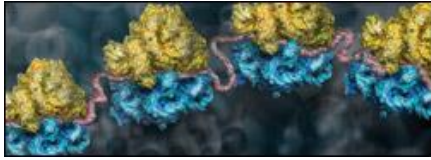
A09 The role of pre-mRNA splicing factor in Glioblastoma Multiforme by regulating EGFRv III. Young Taek Oh, National Cancer Center, Goyang-Si, Korea, Republic Of.

A10 Genome-wide mapping and subtype classification of long non-coding RNA in acute myeloid leukemia. Xiaoping Su, The University of Texas MD Anderson Cancer Center, Houston, TX, United States.

A11 Profiling of miRNAs expression in pediatric brain tumors. Marwa Tantawy, Children's Cancer Hospital Egypt 57357, Cairo, Egypt.

A12 Role of eIF5-mimic protein 1 (5MP1) for translational control in cancer. Katsura Asano, Kansas State University, Manhattan, KS, United States.

A13 eIF4a paralogue switching drives opposing phenotypes in cancer by specific reprogramming of gene expression. John Le Quesne, MRC Toxicology Unit, Leicester, United Kingdom.



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A14 Proteomic analysis of paired malignant and non-malignant tissues from patients with NSCLC adenocarcinoma identified changes in translation initiation factors potentially important in oncogenesis. Suzanne Miyamoto, University of California, Davis Medical Center, Sacramento, CA, United States.

A15 Epigenetic up-regulation of ribosome biogenesis and more aggressive phenotype triggered by the lack of the histone demethylase JHDM1B in mammary epithelial cells. Lorenzo Montanaro, Bologna University, Bologna, Italy.

A16 A reconstituted cell-free translation system for the study of ribosome-mediated translational control in cancer. Marianna Penzo, University of Bologna, Bologna, Italy.

A17 Probing a translational switch involved in tumor angiogenesis. Maya Ramachandran, Columbia University, New York, NY, United States.

A18 microRNA-206 as a potential therapeutic approach for highly-associated NAFLD and HCC. Guisheng Song, University of Minnesota, Minneapolis, MN, United States.

A19 Cancer-associated mRNAs regulated by the HLH motif in human eIF3a. Marina Volegova, University of California, Berkeley, Berkeley, CA, United States.

A20 Baseline IL-17 receptor signaling is essential for controlling aberrant JNK-dependent cellular proliferation via maintenance of endogenous level of ubiquitin-editing enzyme A20. Chi Yan, Dalhousie University, Halifax, NS, Canada.

A21 mTORC1 and CK2 coordinate ternary and eIF4F complex assembly. Marie Cargnello, Lady Davis Institute/McGill University, Montreal, QC, Canada.

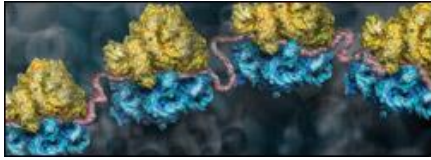
A22 Hypoxia-mediated translational control of hypoxia inducible factor 1 alpha through aldolase A feedback regulation in lung carcinogenesis. Yu-Chan Chang, Academia Sinica, Taipei, Taiwan.

A23 AMPK's role in glioblastoma survival: An insight into its regulation on transcription factors and mTOR. Rishi Chhipa, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, United States.

A24 Translation control of tumor metastasis via FSTL1 binding with SPP1/OPN to modulated cytoskeleton remodeling. Jean Chiou, The Ph.D program for Cancer biology and drug discovery, China Medical University, Taichung, Taiwan.

A25 Sensing stress in cancer: A novel therapy targeting protein synthesis through the unfolded protein response in prostate cancer development. Crystal Conn, University of California, San Francisco, CA, United States.

A26 Heterogeneity in ribosomal RNA base modifications modulate lipid metabolic flux to maintain a tumor suppressive program. Adrian Contreras, University of California, San Francisco, San Francisco, CA, United States.



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A27 A novel 40S complex involved in the regulation of 5' TOP mRNA stability: A role in mTOR hyperactivated tumors?. Antonio Gentilella, IDIBELL, Barcelona, Spain.

A28 Oxygen-dependent translome remodeling is controlled by eIF2 α dephosphorylation. J.J. Ho, University of Miami, Miami, FL, United States.

A29 Targeting adenylate kinase-4 modulation of HIF-1 α : Stability identifies Withaferin-A suppresses lung cancer metastasis. Michael Hsiao, Genomics Research Center, Academia Sinica, Taipei, Taiwan.

A30 Oncogenic MCT-1 activation deregulates oxidative metabolism and promotes lung tumor progression and metastasis. Hsin-Ling Hsu, National Health Research Institutes, Miao-Li, Taipei, Taiwan.

A31 eIF4F links translation to energy stress response in cancer. Laura Hulea, McGill University, Montreal, QC, Canada.

A32 The role of the ribosome in GCN2's ability to sense amino acid deprivation and initiate the integrated stress response. Alison Inglis, MRC Laboratory of Molecular Biology, Cambridge, MA, United Kingdom.

A33 Understanding the functional role of enhanced FASN activity in regulating protein translation in DLCBL. Bandish Kapadia, University of Maryland, Baltimore, MD, United States.

A34 CELF1 is a central node in post-transcriptional regulatory programs underlying EMT and metastasis in breast epithelial cells. Arindam Chaudhury, Baylor College of Medicine, Houston, TX, United States.

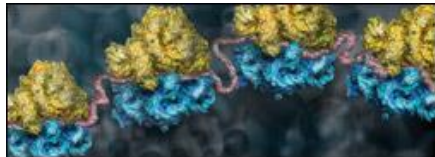
A35 Drug repurposing for castration resistant prostate cancer based on disease-disease relationships. Gaurav Chopra, Purdue University, West Lafayette, IN, United States.

A36 A programmed ribosomal frameshifting defect potentiates the transforming activity of the JAK2-V617F mutation. Jonathan Dinman, University of Maryland, College Park, MD, United States.

A37 Blockade of ARV7:HIF1 α heterodimers after toptoeacan reverses enzalutamide resistance in 22Rv1 cells. John Fruehauf, Chao Family Comprehensive Cancer Center, University of California, Irvine Medical Center, Orange, CA, United States.

A38 PTEN-mTOR pathway serves as a guardian of ribosomal DNA. Jennifer Gerton, Stowers Institute for Medical Research, Kansas City, MO, United States.

A39 Expression of DNA methylation-related proteins in metastatic breast cancer. YuKyung Lee, Department of Pathology, Yonsei University College of Medicine, Seoul, Korea, Republic Of.



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A40 Expression of cancer-associated fibroblast-related proteins differs between invasive lobular carcinoma and invasive ductal carcinoma. YuKyung Lee, Department of Pathology, Yonsei University College of Medicine, Seoul, Korea, Republic Of.

A41 Crosstalk between adipocytes and breast cancer promotes epithelial-mesenchymal transition. YuKyung Lee, Department of Pathology, Yonsei University College of Medicine, Seoul, Korea, Republic Of.

A42 Role of cellular and extracellular Par-4 expression in tumor formation and drug sensitivity. Lourival Oliveira Filho, Faculty of Medicine, University of São Paulo, São Paulo, SP, Brazil.

A43 Comparative analysis of germline mutations of immune biomarkers pre- and post-HSCT in pediatric cancer patients. Pankita Pandya, Indiana University School of Medicine, Indianapolis, IN, United States.

A44 Diacetyl atractylodiol inhibits hypoxia-induced angiogenesis by suppressing the Akt-HIF-alpha signaling axis. Hyekyoung Shin, Department of surgery, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Korea, Republic Of.

A45 Targeting eIF4A dependent translation as therapeutics in pancreatic cancer. Kamini Singh, Memorial Sloan Kettering Cancer Center, New York, NY, United States.

A46 Wnt5a signals through DVL1 to repress ribosomal DNA transcription by RNA polymerase I. Clara Vincent, Weill Cornell Medicine, New York, NY, United States.

A47 Immunogenic cancer cell death induced by high hydrostatic pressure and Hyperthermia: calreticulin exposure pathway. Sarka Vosahlikova, SOTIO, a.s., Prague, Czech Republic.

A48 Aberrant epigenetic regulation of GABRP is associated with an aggressive phenotype in ovarian cancer. Woong Ju, Ewha Womans University, Seoul, , Korea, Republic Of.

A49 Transcription factor upregulation after mTOR inhibition by Torin1 induces growth factor receptor expression. Tianqing Yang, University of British Columbia, Vancouver, BC, Canada.