Cancer Niche / Cellular Interactions

A01  Investigating clonal heterogeneity and transcriptional vulnerabilities in latent metastasis.  Ashley M Laughney, Srinivas Malladi, Danilo Macalinao, Joan Massagué.


A03  The effects of the cellular microenvironment on medulloblastoma metastasis.  Emily Gronseth, Ling Wang, Chris Koceja, Ramani Ramchandran.

A04  Alpha-1-Antitrypsin is a secreted protein driven by mutant p53 and associated with EMT, migration and invasion in-vivo.  Reshma Shakya, Andrew G Turner, Wendy Cooper, Noor A Lokman, Carmela Ricciardelli, Gerard Tarulli, Paul M Neilson, David F Callen.

A05  Role of tumor microenvironment mediated by IGF2 in resistance to the IGF-1R targeted therapy.  Ji-Sun Lee, Ho-Young Lee.

A06  Exploring mechanisms of colorectal tumor radioresistance in organoids.  Maria Laura Martin, Guoqiang Hua, Zhaoshi Zeng, Philip B Paty.

A07  Gene analysis maps HCC heterogeneity and orientates personalized therapy.  Rosina Maria Critelli, Fabiola Milosa, Barbara Lei, Luca Marzi, Rosario Condello, Elena Turola, Nicola De Maria, Antonino Maiorana, Gianluigi Giannelli, Erica Villa.

EMT and Plasticity

A09  JARID1B mediates plasticity between two distinct head and neck cancer stem cell phenotypes.  Nicole D Facompre, Kayla M Harmeyer, Xavier Sole, Sheheryar Kabraji, Varun Sahu, Meenhard Herlyn, Anil K Rustgi, Hiroshi Nakagawa, Sridhar Ramaswamy, Devraj Basu.

A10  TGF-β signaling is responsible for tube formation of pancreatic ducts and ductal adenocarcinoma.  Takashi Yamaguchi, Sanae Kabata Ikehara, Hayao Nakanishi, Yuzuru Ikehara.


Epigenetics


A16, PR02  The SWI/SNF component Aridla regulates regenerative capacity and carcinogenesis in a dose-dependent fashion.  Xuxu Sun, Sam Wang, Thomas Maples, Lin Li, Liem Nguyen, Jen-Chieh Chuang, Mahsa Sorouri, Shuyuan Zhang, Linwei Wu, Cemre Celen, Hao Zhu.
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Poster Session A – Tuesday, December 1, 6:00 p.m.-8:00 p.m.


Pediatric Cancers and Development

A18, PR03  Using patient-derived iPS cells to model familiar medulloblastoma. Evelyn Susanto, Anna Falk, Margareta Wilhelm.


A20  Tumorigenicity of Ewing sarcoma is critically dependent on the trithorax proteins MLL and menin. Laurie K Svoboda, Natasha Bailey, Melanie Krock, Raelene Van Noord, Ashley Harris, Rajiv M. Patel, Dafydd Thomas, Tomek Cierpicki, Jolanta Grembecka, Elizabeth R Lawlor.

A21  The metastasis-regulator Tenascin C is activated by Wnt/beta-catenin in Ewing sarcoma. Elisabeth A Pedersen, Rajasree Menon, Dafydd G Thomas, Kelly M Bailey, Raelene A Van Noord, Rashmi Chugh, Eric R Fearon, Elizabeth R Lawlor.


A23  High LGR5 expression is associated with an aggressive phenotype in neuroblastoma cells. Helen Forgham, Darren Johnson, Noel Carter, Stephanie Veuger, Jane Carr-Wilkinson.

A24  The transcriptional regulator JAB1 is a novel regulator of osteosarcoma development. Lindsay Bashur, Robin Elliott, Guang Zhou.


A27  INI1 negative hepatoblastoma, a vanishing entity representing malignant rhabdoid tumor. Ladan Fazlollahi, Susan Hsiao, Mahesh Mansukhani, Julia Glade Bender, Andrew Kung, Darrell Yamashiro, Helen Remotti.

Signaling Pathways: BMP / TGFbeta / SMAD

A28  TGFβ tumor suppression through a lethal EMT. Charles David, Yun-han Huang, Joan Massague.

A29  JNK contributes to BMP loss induced intestinal tumorigenesis in Drosophila. Jun Zhou, Michael Boutros.

A30  AKT activation as a mechanism of escape from TGFβ-mediated lethal EMT. Yun-Han Huang, Charles David, Joan Massague.

A31  Developmental and homeostatic functions of C. elegans DBL-1/BMP target genes. Cathy Savage-Dunn, James Clark, Uday Madaan.

A32  Targeting the PEAK1/ZEB1 signaling axis to reverse pro-tumorigenic TGFβ signaling. Yvess Adamian, Megan Agajanian, Farhana Runa, Jonathan A Kelber.

A33  A role of SET/12PP2A in HNSCC angiogenesis and tumor-promoting microenvironment. Lays Sobral, Leandro F Santos, Carlos Curti, Andreia M Leopoldino.
Signaling Pathways: Notch

A35  **ASCL1 defines differentiation competency in glioblastoma stem cells.**  Nicole Park, Kevin Lan, Rob Vanner, Fiona Coutinho, Lilian Lee, Peter Dirks.

A36  **Notch signaling promotes tumor metastasis in the Pten null mouse model for prostate cancer.**  Oh-Joon Kwon, Li Zhang, Wang Jianghua, Chad Creighton, Michael Ittmann, Li Xin.

A37  **Tumor heterogeneity in SCLC: A role for endogenous Notch signaling.**  Jing Shan Lim, Alvaro Ibaseta, Dian Yang, Nadine S Jahchan, Julien Sage.

A38  **In vitro and in vivo Interaction of Cdk6 and Eya2 Indicate Potential Crosstalk.**  Dawn Kohrt, Philip Hinds, Heide Ford, Martha Grossel.