Highlights of This Issue 1479

REVIEWS

Collagen XV: Exploring Its Structure and Role within the Tumor Microenvironment
Anthony George Clementz and Ann Harris

Advances in Understanding the Expression and Function of Dipeptidyl Peptidase 8 and 9
Hui Zhang, Yiqian Chen, Fiona M. Keane, and Mark D. Gorrell

CELL CYCLE AND SENESCENCE

SIRT1 Is Downregulated in Gastric Cancer and Leads to G1-phase Arrest via NF-κB/Cyclin D1 Signaling
Qing Yang, Bo Wang, Wei Gao, Shanying Huang, Zhifang Liu, Wenjuan Li, and Jihui Jia

A Novel Regulatory Mechanism of Pim-3 Kinase Stability and Its Involvement in Pancreatic Cancer Progression
Fei Zhang, Bin Liu, Zhen Wang, Xian-Jun Yu, Quan-Xing Ni, Wen-Tao Yang, Naofumi Mukaida, and Ying-Yi Li

CELL DEATH AND SURVIVAL

Resveratrol and P-glycoprotein Inhibitors Enhance the Anti-Skin Cancer Effects of Ursolic Acid
Jacob J. Junco, Anna Mancha, Gunjan Malik, Sung-Jen Wei, Dae Joon Kim, Huiyun Liang, and Thomas J. Slaga

Hematopoietic Expression of Oncogenic BRAF Promotes Aberrant Growth of Monocyte-Lineage Cells Resistant to PLX4720
Tamihiro Kamata, David Dankort, Jing Kang, Susan Giblett, Catrin A. Pritchard, Martin McMahon, and Andrew D. Leavitt

CHROMATIN, GENE, AND RNA REGULATION

S100A14: Novel Modulator of Terminal Differentiation in Esophageal Cancer
Hongyan Chen, Jianlin Ma, Benjamin Sunkel, Aiping Luo, Fang Ding, Yi Li, Huan He, Shuguang Zhang, Chengshan Xu, Qinge Jin, Qianben Wang, and Zhihua Liu

DNA DAMAGE AND REPAIR

Systematic Screen Identifies miRNAs That Target RAD51 and RAD51D to Enhance Chemosensitivity
Jen-Wei Huang, Yemin Wang, Kiranjit K. Dhillon, Philamer Calses, Emily Villegas, Patrick S. Mitchell, Munesh Paul, Christopher J. Kemp, and Toshiyuki Taniuchi

GENOMICS

EGFR Inhibition Induces Proinflammatory Cytokines via NOX4 in HNSCC
Elise V.M. Fletcher, Laurie Love-Homan, Arya Sobhakumari, Charlotte R. Feddersen, Adam T. Koch, Apollina Goel, and Andrean L. Simons

A Proangiogenic Signature Is Revealed in FGF-Mediated Bevacizumab-Resistant Head and Neck Squamous Cell Carcinoma
Rekha Gyanchandani, Marcus V. Ortega Alves, Jeffrey N. Myers, and Seungwon Kim

ONCOGENES AND TUMOR SUPPRESSORS

Activation of the Wnt Pathway through AR79, a GSK3β Inhibitor, Promotes Prostate Cancer Growth in Soft Tissue and Bone
Yuan Jiang, Jinlu Dai, Honglai Zhang, Joe L. Sottnik, Jill M. Keller, Katherine J. Escott, Hitesh J. Sangani, Zhihao Yao, Laurie K. McCauley, and Evan T. Keller
SIGNAL TRANSDUCTION

Inhibition of NF-κB Signaling Ablates the Invasive Phenotype of Glioblastoma


PKC\(i\) Maintains a Tumor-initiating Cell Phenotype That Is Required for Ovarian Tumorigenesis

Yin Wang, Kristen S. Hill, and Alan P. Fields

ABOUT THE COVER

An activating BRAF mutation has been detected in a number of human monocyte/macrophage (histioyte)-lineage hematopoietic neoplasms. Conditional expression of the activating BRAF\textit{V600E} mutation in the mouse hematopoietic system induces aberrant growth of monocyte-lineage cells, including solid organ infiltration and a monocytosis in the circulating blood (cover image) reminiscent of human hematopoietic disorders. The mouse model affords a useful preclinical platform for understanding the biology of and developing pathway-targeted therapeutics against human monocyte-lineage hematopoietic neoplasms driven by BRAF\textit{V600E} expression. For more information see the article by Kamata and colleagues on page 1530.