## HIGHLIGHTS

1383  Selected Articles from This Issue

### MCT FIRST DISCLOSURES

1385  MMAE Delivery Using the Bicycle Toxin Conjugate BT5528

- Gavin Bennett, Amy Brown, Gemma Mudd, Philip Huxley, Katerine Van Rietschoten, Silvia Pavan, Liuhong Chen, Sophie Watcham, Johanna Lahdenranta, and Nicholas Keen

### SMALL MOLECULE THERAPEUTICS

1395  The Dysregulated Pharmacology of Clinically Relevant ESR1 Mutants is Normalized by Ligand-activated WT Receptor


1406  Combined Targeting of the BRD4–NUT-p300 Axis in NUT Midline Carcinoma by Dual Selective Bromodomain Inhibitor, NEO2734


1415  Perhexiline Demonstrates FYN-mediated Antitumor Activity in Glioblastoma

- Shiva Kant, Pravin Kesawan, Anthony R. Guastella, Praveen Kumar, Stewart F. Graham, Katie L. Buelow, Ichiro Nakano, and Prakash Chinnaiyan

1423  A Genome-scale CRISPR Screen Identifies the ERBB and mTOR Signaling Networks as Key Determinants of Response to PI3K Inhibition in Pancreatic Cancer


### LARGE MOLECULE THERAPEUTICS

1436  Targeting the PI3K/AKT Pathway Overcomes Enzalutamide Resistance by Inhibiting Induction of the Glucocorticoid Receptor


1448  Preclinical Testing of a Novel Niclosamide Stearate Prodrug Therapeutic (NSPT) Shows Efficacy Against Osteosarcoma

- Gireesh B. Reddy, David L. Kerr, Ivan Spasojevic, Artak Tovmasyan, David Hsu, Brian E. Brigman, Jason A. Somarelli, David Needham, and William C. Eward

### COMPANION DIAGNOSTIC, PHARMACOGENOMIC, AND CANCER BIOMARKERS

1457  Early Assessment of Molecular Progression and Response by Whole-genome Circulating Tumor DNA in Advanced Solid Tumors

- Andrew A. Davis, Wade T. Iams, David Chan, Michael S. Oh, Robert W. Lentz, Neil Peterman, Alex Robertson, Abhik Shah, Rohith Srivasa, Timothy J. Wilson, Nicole J. Lambert, Peter S. George, Becky Wong, Haleigh W. Wood, Jason C. Close, Ayse Tezcan, Ken Nesmith, Haluk Tezcan, and Young Kwang Chae
A Qualitative Transcriptional Signature for Predicting Prognosis and Response to Bevacizumab in Metastatic Colorectal Cancer
Jing Yang, Kai Song, Wenbing Guo, Hailong Zheng, Yelin Fu, Tianyi You, Kai Wang, Lishuang Qi, Wenyuan Zhao, and Zheng Guo

Functional miRNA Screening Identifies Wide-ranging Antitumor Properties of miR-3622b-5p and Reveals a New Therapeutic Combination Strategy in Ovarian Tumor Organoids

EWS-FLI1-regulated Serine Synthesis and Exogenous Serine are Necessary for Ewing Sarcoma Cellular Proliferation and Tumor Growth
Sameer H. Issaq, Arnulfo Mendoza, Ria Kidner, Tracy I. Rosales, Damien Y. Duveau, Christine M. Heske, Jason M. Rohde, Matthew B. Boxer, Craig J. Thomas, Ralph J. DeBerardinis, and Lee J. Helman

DCLK1-Isoform2 Alternative Splice Variant Promotes Pancreatic Tumor Immunosuppressive M2-Macrophage Polarization
Parthasarathy Chandrakesan, Janani Panneerselvam, Randal May, Nathaniel Weygant, Dongfeng Qu, William R. Berry, Kamille Pitts, Ben Z. Stanger, Chinthalapally V. Rao, Michael S. Bronze, and Courtney W. Houchen

Blockade of Cell Volume Regulatory Protein NKCC1 Increases TMZ-Induced Glioma Apoptosis and Reduces Astrogliosis
Lanxin Luo, Xiudong Guan, Gulnaz Begum, Dawei Ding, Jenesis Gayden, Md Nabiul Hasan, Victoria M. Fiesler, Jacob Dodelson, Gary Kohanbash, Baoli Hu, Nduka M. Amankulor, Wang Jia, Maria G. Castro, Baoshan Sun, and Dandan Sun

Pathway-Specific Genome Editing of PI3K/mTOR Tumor Suppressor Genes Reveals that PTEN Loss Contributes to Cetuximab Resistance in Head and Neck Cancer
Hiroki Izumi, Zhiyong Wang, Yusuke Goto, Toshinori Ando, Xingyu Wu, Xuefeng Zhang, Hua Li, Daniel E. Johnson, Jennifer R. Grandis, and J. Silvio Gutkind