REVIEW

Is Wilms Tumor a Candidate Neoplasia for Treatment with WNT/β-Catenin Pathway Modulators?—A Report from the Renal Tumors Biology-Driven Drug Development Workshop
Daniela Perotti, Peter Hohenstein, Italia Bongarzone, Mariana Maschietto, Mark Weeks, Paolo Radice, and Kathy Pritchard-Jones

SMALL MOLECULE THERAPEUTICS

Urokinase Plasminogen Activator System–Targeted Delivery of Nanobins as a Novel Ovarian Cancer Therapy

Apigenin Sensitizes Colon Cancer Cells to Antitumor Activity of ABT-263
Huanjie Shao, Kai Jing, Esraa Mahmoud, Haithong Huang, Xianjun Fang, and Chunrong Yu

Small-Molecule Inhibitors of USP1 Target ID1 Degradation in Leukemic Cells

Small Molecule Inhibition of PAX3-FOXO1 through AKT Activation Suppresses Malignant Phenotypes of Alveolar Rhabdomyosarcoma
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Inhibition of Wee1 Sensitizes Cancer Cells to Antimetabolite Chemotherapeutics In Vitro and In Vivo, Independent of p53 Functionality
Annemie A. Van Linden, Dmitry Baturin, James B. Ford, Susan P. Fosmire, Lori Gardner, Christopher Korch, Philip Reigan, and Christopher C. Porter

The Novel VEGF Receptor/MET–Targeted Kinase Inhibitor TAS-115 Has Marked In Vitro Antitumor Properties and a Favorable Tolerability Profile
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Targeting Plasminogen Activator Inhibitor-1 Inhibits Angiogenesis and Tumor Growth in a Human Cancer Xenograft Model
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Molecular and Biologic Analysis of Histone Deacetylase Inhibitors with DiverseSpecificities

Selective Disruption of Rb–Raf-1 Kinase Interaction Inhibits Pancreatic Adenocarcinoma Growth Irrespective of Gemcitabine Sensitivity
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A Heterodimeric Fc-Based Bispecific Antibody Simultaneously Targeting VEGFR-2 and Met Exhibits Potent Antitumor Activity
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Targeting Blockage of STAT3 in Hepatocellular Carcinoma Cells Augments NK Cell Functions via Reverse Hepatocellular Carcinoma–Induced Immune Suppression
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Treatment with Gefitinib or Lapatinib Induces Drug Resistance through Downregulation of Topoisomerase IIα Expression
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Dual HER/VEGF Receptor Targeting Inhibits In Vivo Ovarian Cancer Tumor Growth
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Low Levels of Circulating Estrogen Sensitize PTEN-Null Endometrial Tumors to PARP Inhibition In Vivo
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COMPANION DIAGNOSTICS AND CANCER BIOMARKERS

Molecular Predictors of Sensitivity to the Insulin-like Growth Factor 1 Receptor Inhibitor Figitumumab (CP-751,871)
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BH3 Profiling Discriminates Response to Cytarabine-Based Treatment of Acute Myelogenous Leukemia
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BRAF V600E Is a Determinant of Sensitivity to Proteasome Inhibitors
Davide Zecchin, Valentina Boscaro, Enzo Medico, Ludovic Barault, Miriam Martini, Sabrina Arena, Carlotta Cancelliere, Alice Bartolini, Emily H. Crowley, Alberto Bardelli, Margherita Gallicchio, and Federica Di Nicolantonio

Correction: Impact of Tumor HER2/ERBB2 Expression Level on HER2-Targeted Liposomal Doxorubicin-Mediated Drug Delivery: Multiple Low-Affinity Interactions Lead to a Threshold Effect

Correction: Inhibition of Invasion, Angiogenesis, Tumor Growth, and Metastasis by Adenovirus-Mediated Transfer of Antisense uPAR and MMP-9 in Non–Small Cell Lung Cancer Cells

Acknowledgment to Reviewers
ABOUT THE COVER

Ovarian cancer is the deadliest gynecologic malignancy in developed countries, but progress in developing new therapies has been elusive. A novel targeted delivery system was developed by conjugating a urokinase plasminogen activator antibody with liposomal nanobins (as shown in the figure) to specifically deliver a therapeutic cargo (arsenic trioxide) into ovarian cancer cells. The targeted nanobins were efficiently internalized by cancer cells and reduced tumor burden in a xenograft model of ovarian cancer through the efficient induction of apoptosis. Urokinase system–targeted delivery of nanobins could serve as a new platform for the treatment of malignancies overexpressing urokinase, including ovarian and breast cancers. For details, see article by Zhang and colleagues, on page 2628.