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Targeting the BCR-ABL Signaling Pathway in Therapy-Resistant Philadelphia Chromosome-Positive Leukemia
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Review

Decreasing the Adverse Effects of Cancer Therapy: National Cancer Institute Guidance for the Clinical Development of Radiation Injury Mitigators

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Nitrile Oxide-Donating Acetylsalicylic Acid Induces Apoptosis in Chronic Lymphocytic Leukemia Cells and Shows Strong Antitumor Efficacy In vivo
Regina Razavi, Iris Gehrke, Rajesh Kumar Gandhirajan, Simon Jonas Poll-Wolbeck, Michael Hallek, and Karl-Anton Kreuzer

HUMAN CANCER BIOLOGY

Clinical Correlates of NRAS and BRAF Mutations in Primary Human Melanoma
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IMAGING, DIAGNOSIS, PROGNOSIS

Plectin-1 as a Novel Biomarker for Pancreatic Cancer
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β-Catenin Activation Is Associated with Specific Clinical and Pathologic Characteristics and a Poor Outcome in Adrenocortical Carcinoma
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Circulating Tumor Cells and EpCAM Expression in Neuroendocrine Tumors
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CANCER THERAPY: CLINICAL

Primary CNS Lymphoma in Children and Adolescents: A Descriptive Analysis from the International Primary CNS Lymphoma Collaborative Group (IPCG)
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Therapeutic Drug Monitoring for the Individualization of Docetaxel Dosing: A Randomized Pharmacokinetic Study
Frederike K. Engels, Walter J. Loos, Jessica M. van der Bol, Peter de Bruijn, Ron H.J. Mathijsen, Jaap Verweij, and Ron A.A. Mathot

Phase I and Pharmacokinetic Study of CT-322 (BMS-844203), a Targeted Adnectin Inhibitor of VEGFR-2 Based on a Domain of Human Fibronectin
Anthony W. Tolcher, Christopher J. Sweeney, Kyri Papadopoulos, Amita Patnaik, Elena G. Chioseanu, Alain C. Mita, Kamalesh Sankhala, Eric Furfine, Jochem Goke, Lisa Iacono, Cheryl Eaton, Bruce A. Silver, and Monica Mita

PREDICTIVE BIOMARKERS AND PERSONALIZED MEDICINE

Impact of Exploratory Biomarkers on the Treatment Effect of Bevacizumab in Metastatic Breast Cancer

EGFR Fluorescence In situ Hybridization Pattern of Chromosome 7 Disomy Predicts Resistance to Cetuximab in KRAS Wild-type Metastatic Colorectal Cancer Patients
Yu-Hong Li, Fang Wang, Lin Shen, Yan-Ming Deng, Qiong Shao, Fen Feng, Xin An, Feng-Hua Wang, Zhi-Qiang Wang, Rui-Hua Xu, and Jian-Yong Shao
ABOUT THE COVER

Immunofluorescence analysis demonstrating the cytoplasmic localization of galectin-3 in CD18/HPAF pancreatic cancer cells transfected with scramble control vector. The cells were grown at low density on sterile cover slips for 20 hours. After washing with 0.1 M HEPES-containing Hank's buffer, the cells were fixed in ice-cold methanol at -20°C for 2 minutes. After nonspecific blocking with 10% goat serum, cells were incubated with anti-galectin-3 antibody in PBS for 90 minutes at room temperature. Cells were washed 3 to 4 times with PBS containing 0.05% Tween-20 (PBS-T) and then incubated with FITC-conjugated anti-rat secondary antibodies for 60 minutes. The cells were counterstained with propidium iodide. Finally, slides were washed, mounted, and observed under a ZEISS confocal laser-scanning microscope. Photographs were digitally captured by using 510-software. For further details, please see Senapati and coworkers on page 267 in this issue.