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HIGHLIGHTS

Special Report

AACR-FDA-NCI Cancer Biomarkers Collaborative Consensus Report: Advancing the Use of Biomarkers in Cancer Drug Development
Samir N. Khleif, James H. Doroshow, and William N. Hait; for the AACR-FDA-NCI Cancer Biomarkers Collaborative

ADAM-17: A Target to Increase Chemotherapeutic Efficacy in Colorectal Cancer?
Adam M. Lee and Robert B. Diasio
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New Strategies in Prostate Cancer: Targeting Lipogenic Pathways and the Energy Sensor AMPK
Giorgia Zadra, Carmen Priolo, Akash Patnaik, and Massimo Loda

Targeting the Mitogen-Activated Protein Kinase Pathway: Physiological Feedback and Drug Response
Christine A. Pratilas and David B. Solit

The Role of the Hedgehog Signaling Pathway in the Development of Basal Cell Carcinoma and Opportunities for Treatment
Ivor Caro and Jennifer A. Low

MOLECULAR PATHWAYS

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Gene Expression Profiling–Based Identification of Molecular Subtypes in Stage IV Melanomas with Different Clinical Outcome
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A Distinct Spectrum of Copy Number Aberrations in Pediatric High-Grade Gliomas
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Induction of Anti-Glioma Natural Killer Cell Response following Multiple Low-Dose Intracerebral CpG Therapy
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Role of Type-1 IFNs in Antiglioma Imunosurveillance—Using Mouse Studies to Guide Examination of Novel Prognostic Markers in Humans
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Development of a Multiplexed Tumor-Associated Autoantibody-Based Blood Test for the Detection of Non–Small Cell Lung Cancer
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Molecular Analysis of Plasma DNA for the Early Detection of Lung Cancer by Quantitative Methylation-Specific PCR
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A Phase I Study of Foretinib, a Multi-Targeted Inhibitor of c-Met and Vascular Endothelial Growth Factor Receptor 2

IMAGING, DIAGNOSIS, PROGNOSIS

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ABOUT THE COVER

High-grade gliomas are among the deadliest of human cancers and appropriate glioma mouse models that are conveniently applicable for therapy-intervention studies can contribute to the finding of more efficacious treatments. Following the intracranial injection of lentiviral Cre-recombinase vectors into LoxP-conditional p53 (or pten);Ink4a/Arf;K-Rasv12;LucR mice, noninvasively visible high-grade gliomas arise with a short tumor latency that show features commonly found in human high-grade glioma, such as a high mitotic index, nuclear atypia, pseudopalisading necrosis, and giant cell formation. For further details, please see the article by de Vries and colleagues on page 3431 of this issue.