HIGHLIGHTS

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

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

BRCA1 Loss Preexisting in Small Subpopulations of Prostate Cancer Is Associated with Advanced Disease and Metastatic Spread to Lymph Nodes and Peripheral Blood
Natalia Bednarz, Elke Eltze, Axel Semjonow, Michael Rink, Antje Andreas, Lennart Mulder, Juliane Hannemann, Margit Fisch, Klaus Pantel, Heinz-Ulrich G. Weier, Krzysztof P. Bielawska, and Burkhard Brandt

Immunohistochemical Detection of EGFR Mutation Using Mutation-Specific Antibodies in Lung Cancer
Atsuko Kitamura, Waki Hosoda, Eiichi Sasaki, Tetsuya Mitsudomi, and Yasushi Yatabe

Gene Expression Profiling–Based Identification of Molecular Subtypes in Stage IV Melanomas with Different Clinical Outcome
Goran Jonsson, Christian Busch, Stian Knappskog, Jurgen Geisler, Hrvoje Miletic, Markus Ringnzer, Johan R. Lillegaard, Åke Borg, and Per Eystein Lonning

A Distinct Spectrum of Copy Number Aberrations in Pediatric High-Grade Gliomas
Dorine A. Bax, Alan Mackay, Suzanne E. Little, Diana Carvalho, Marta Viana-Pereira, Narinder Tamber, Anita E. Grigoriadis, Alan Ashworth, Rui M. Reis, David W. Ellison, Sofia Al-Sarraj, Darren Hargrave, and Chris Jones

Chemotherapy-Induced Activation of ADAM-17: A Novel Mechanism of Drug Resistance in Colorectal Cancer
Joan N. Kyula, Sandra Van Schaeybroeck, Joanne Doherty, Catherine S. Fenning, Daniel B. Longley, and Patrick G. Johnston
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The Vascular Endothelial Growth Factor Receptor Tyrosine Kinase Inhibitors Vatalanib and Pazopanib Potently Induce Apoptosis in Chronic Lymphocytic Leukemia Cells In vitro and In vivo

Induction of Anti-Glioma Natural Killer Cell Response following Multiple Low-Dose Intracerebral CpG Therapy
Darya Alizadeh, Leying Zhang, Christine E. Brown, Omar Farrukh, Michael C. Jensen, and Behnam Badie
Role of Type-1 IFNs in Antiglioma Immunosurveillance—Using Mouse Studies to Guide Examination of Novel Prognostic Markers in Humans

Mitsugu Fujita, Michael E. Scheurer, Stacy A. Decker, Heather A. McDonald, Gary Kohanbash, Edward R. Kastenhuber, Hisashi Kato, Melissa L. Bondy, John R. Ohlfest, and Hideho Okada

Depletion of Tumor-Associated Macrophages Enhances the Effect of Sorafenib in Metastatic Liver Cancer Models by Antimetastatic and Antiangiogenic Effects

Wei Zhang, Xiao-Dong Zhu, Hui-Chuan Sun, Yu-Quan Xiong, Peng-Yuan Zhuang, Hua-Xiang Xu, Ling-Qun Kong, Lu Wang, Wei-Zhong Wu, and Zhao-You Tang

Rapid and Robust Transgenic High-Grade Glioma Mouse Models for Therapy Intervention Studies

Nienke A. de Vries, Sophia W. Bruggeman, Daniëlle Hulsman, Hilda J. de Vries, John Zevenhoven, Tessa Buckle, Bob C. Hamans, William P. Leenders, Jos H. Beijnen, Maarten van Lohuizen, Anton J.M. Berns, and Olaf van Tellingen

Molecular Analysis of Plasma DNA for the Early Detection of Lung Cancer by Quantitative Methylation-Specific PCR

Kimberly Laskie Ostrow, Mohammad O. Hoque, Myriam Loyo, Marianna Brait, Alissa Greenberg, Jill M. Siegfried, Jennifer R. Grandis, Autumn Gaither Davis, William L. Bigbee, William Rom, and David Sidransky

Diverse Associations between ESRI Polymorphism and Breast Cancer Development and Progression

Shian-ling Ding, Jyh-Cherng Yu, Shou-Tung Chen, Gius-Cheng Hsu, Huan-Ming Hsu, Jar Yi Ho, Yu Hsin Lin, Chien-Ching Chang, Cathy S.I. Fann, Chun-Wen Cheng, Pei-Ei Wu, and Chen-Yang Shen

Tremelimumab in Combination with Exemestane in Patients with Advanced Breast Cancer and Treatment-Associated Modulation of Inducible Costimulator Expression on Patient T Cells

Robert H. Vonderheide, Patricia M. LoRusso, Magi Khalil, Elaina M. Gartner, Divis Khairia, Denis Soulieres, Prudence Dorazio, Jennifer A. Trosko, Jens Rüter, Gabriella L. Mariani, Tiziana Usari, and Susan M. Domchek

Results from a Phase I Clinical Study of the Novel II-Key/HER-2/neu (776–790) Hybrid Peptide Vaccine in Patients with Prostate Cancer

Sonia A. Perez, Nikoletta L. Kallinteris, Stratos Bisias, Panagiota K. Tzonis, Katerina Georgakopoulou, Marighoula Varla-Leftherioti, Michael Papamichail, Anastasios Thanos, Eric von Hohe, and Constantin N. Baxevanis

A Phase I Study of Foretinib, a Multi-Targeted Inhibitor of c-Met and Vascular Endothelial Growth Factor Receptor 2

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-Ras\textsuperscript{v12};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.
Clinical Cancer Research

16 (13)

Clin Cancer Res 2010;16:3297-3519.

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