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549 Deciphering the Mechanisms of Tumorigenesis in Human Pancreatic Ductal Epithelial Cells
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560 SLC1A5 Mediates Glutamine Transport Required for Lung Cancer Cell Growth and Survival
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586 Sorafenib Inhibits Cell Migration and Stroma-Mediated Bortezomib Resistance by Interfering B-cell Receptor Signaling and Protein Translation in Mantle Cell Lymphoma
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598 The Activation of MAPK in Melanoma Cells Resistant to BRAF Inhibition Promotes PD-L1 Expression That Is Reversible by MEK and PI3K Inhibition
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541 Does Microenvironment Contribute to the Etiology of Estrogen Receptor–Negative Breast Cancer?
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A Potent Combination of the Novel PI3K Inhibitor, GDC-0941, with Imatinib in Gastrointestinal Stromal Tumor Xenografts: Long-Lasting Responses after Treatment Withdrawal
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643 Impairment of Glioma Stem Cell Survival and Growth by a Novel Inhibitor for Survivin–Ran Protein Complex
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701 Targeting CXCR1/2 Significantly Reduces Breast Cancer Stem Cell Activity and Increases the Efficacy of Inhibiting HER2 via HER2-Dependent and -Independent Mechanisms

691 Effective Assessment of egfr Mutation Status in Bronchoalveolar Lavage and Pleural Fluids by Next-Generation Sequencing
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γ-H2AX Foci Formation as a Pharmacodynamic Marker of DNA Damage Produced by DNA Cross-Linking Agents: Results from 2 Phase I Clinical Trials of SJG-136 (SG2000)
Jenny Wu, Peter H. Clingen, Victoria J. Spanswick, Colm Keane, Pauline Crooks, Jamie P. Nourse, Louise A. Seymour, David Gottlieb, Devinder Gill, and Maher K. Gandhi

PREDICTIVE BIOMARKERS AND PERSONALIZED MEDICINE

Serum CD163 and TARC as Disease Response Biomarkers in Classical Hodgkin Lymphoma
Kimberley Jones, Frank Vari, Colm Keane, Pauline Crooks, Jamie P. Nourse, Louise A. Seymour, David Gottlieb, David Ritchie, Devinder Gill, and Maher K. Gandhi
A Phase II Study of Sorafenib in Patients with Platinum-Pretreated, Advanced (Stage IIIb or IV) Non–Small Cell Lung Cancer with a KRAS Mutation
Anne-Marie C. Dingemans, Wouter W. Mellema, Harry J.M. Groen, Atie van Wijk, Sjaak A. Burgers, Peter W.A. Kunst, Erik Thunnissen, Danielle A.M. Heideman, and Egbert F. Smit

Correction: Thalidomide in Total Therapy 2 Overcomes Inferior Prognosis of Myeloma with Low Expression of the Glucocorticoid Receptor Gene NR3C1

ABOUT THE COVER
Cytology specimens may represent the only available material for molecular diagnosis in non–small cell lung cancer patients. When the number of neoplastic cells in these samples is very low in a large excess of nonneoplastic cells, the specimen is usually judged inadequate for mutation analysis with conventional methods. The cover figure shows a cytological smear obtained from a bronchoalveolar lavage with a limited number of tumor cells. Next-generation sequencing can greatly improve the detection of mutations in these cases. For details, see the article by Buttitta and colleagues on page 691 of this issue.