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miRNA Biomarkers in Cyst Fluid Augment the Diagnosis and Management of Pancreatic Cysts
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The Use of Quantitative Real-Time Reverse Transcriptase PCR for 5' and 3' Portions of ALK Transcripts to Detect ALK Rearrangements in Lung Cancers
Rui Wang, Yunjian Pan, Chenguang Li, Haichuan Hu, Yang Zhang, Hang Li, Xiaoyang Luo, Jie Zhang, Zhaoyuan Fang, Yuan Li, Lei Shen, Hongbin Ji, David Garfield, Yihua Sun, and Haiquan Chen

A New Approach to Simultaneously Quantify Both TCR α- and β-Chain Diversity after Adoptive Immunotherapy
Minying Zhang, Sourindra Maiti, Chantale Bernatchez, Helen Huls, Brian Rabinovich, Richard E. Champlin, Luis M. Vence, Patrick Hwu, Laszlo Radvanyi, and Laurence J.N. Cooper

CpG Island Methylator Phenotype–Positive Tumors in the Absence of MLH1 Methylation: A Distinct Subset of Duodenal Adenocarcinomas and Are Associated with Poor Prognosis
Tao Fu, Emmansoulis P., Pappou, Angela A. Guzzetta, Jana Jeschke, Ruby Kwak, Pujan Dave, Craig M. Hooker, Richard Morgan, Stephen B. Baylin, Christine A. Iacobuzio-Donahue, Christopher L. Wolfgang, and Nita Ahuja

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Phase I Dose-Escalation Study of the Safety, Pharmacokinetics, and Pharmacodynamics of the MEK Inhibitor RO4987655 (CH4987655) in Patients with Advanced Solid Tumors


First-in-Human, Phase I Dose-Escalation Study of the Safety, Pharmacokinetics, and Pharmacodynamics of RO5126766, a First-in-Class Dual MEK/RAF Inhibitor in Patients with Solid Tumors


A Phase I First-in-Human Study of TRC105 (Anti-Endoglin Antibody) in Patients with Advanced Cancer


LETTER TO THE EDITOR

Biomarkers in Hepatocellular Carcinoma—Letter

Nicola Personeni, Lorenza Rimassa, and Armando Santoro

ABOUT THE COVER

Wright–Giemsa-stained cytospin of early passages of TLBR-2 cells in culture. This cell line derived from an aggressive breast implant–associated T-cell CD30+ ALK+ anaplastic large cell lymphoma (ALCL) shows typical morphologic features, including enlarged nuclei with frequent mitotic figures, multiple prominent nucleoli, pale cytoplasm with vesiculation, and occasional multinucleated giant cells (original magnification, ×400). Along with TLBR-1 and -3, it represents a new model for breast implant–associated ALCL and is characterized by a near triploid karyotype, specific chemotherapy drug sensitivities, and high expression of several pathway signals including Notch1, survivin, antiapoptotic genes, IL-6 and IL-2 autocrine cytokines, and STAT3, which seem to be associated with the oncogenesis and growth for these unique cancers. For details, see the article by Lechner and colleagues on page 4549 of this issue.