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SPECIAL FEATURES

CCR Translations

2019  New Approaches but the Same Flaws in the Search for Prognostic Signatures
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2023  Emerging Immunologic Biomarkers: Setting the (TNM-Immune) Stage
Janis M. Taube
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2026  SETting OP449 into the PP2A-Activating Drug Family
Paolo Neviani and Danilo Perrotti
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CCR Perspectives in Drug Approval

2029  U.S. Food and Drug Administration Approval: Crizotinib for Treatment of Advanced or Metastatic Non–Small Cell Lung Cancer That Is Anaplastic Lymphoma Kinase Positive

CCR Drug Updates

2035  Dabrafenib and Trametinib, Alone and in Combination for BRAF-Mutant Metastatic Melanoma
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Molecular Pathways

2044  Molecular Pathways: Interleukin-15 Signaling in Health and in Cancer
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2051  Molecular Pathways: Molecular Basis for Sensitivity and Resistance to JAK Kinase Inhibitors
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Reviews

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2072  Hepatocellular Carcinoma: Reasons for Phase III Failure and Novel Perspectives on Trial Design
Josep M. Llovet and Virginia Hernandez-Gea

HUMAN CANCER BIOLOGY

2080  High-Throughput Detection of Clinically Relevant Mutations in Archived Tumor Samples by Multiplexed PCR and Next-Generation Sequencing
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2092  Antagonism of SET Using OP449 Enhances the Efficacy of Tyrosine Kinase Inhibitors and Overcomes Drug Resistance in Myeloid Leukemia
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2104  Rational Combination Therapy of Vintafolide (EC145) with Commonly Used Chemotherapeutic Drugs
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2115  Inhibition of RET Increases the Efficacy of Antiestrogen and Is a Novel Treatment Strategy for Luminal Breast Cancer
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A Peptide-Based Positron Emission Tomography Probe for In Vivo Detection of Caspase Activity in Apoptotic Cells
Matthew R. Hight, Yiu-Yin Cheung, Michael L. Nickels, Eric S. Dawson, Ping Zhao, Samir Saleh, Jason R. Buck, Dewei Tang, M. Kay Washington, Robert J. Coffey, and H. Charles Manning

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Ultra Low-Dose IL-2 for GVHD Prophylaxis after Allogeneic Hematopoietic Stem Cell Transplantation Mediates Expansion of Regulatory T Cells without Diminishing Antiviral and Antileukemic Activity

Preclinical and Early Clinical Evaluation of the Oral AKT Inhibitor, MK-2206, for the Treatment of Acute Myelogenous Leukemia
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LETTERS TO THE EDITOR

2236 Proteomic Markers of DNA Repair and PI3K Pathway Activation Predict Response to the PARP Inhibitor BMN 673 in Small Cell Lung Cancer—Letter
Haifeng Qiu

2237 Proteomic Markers of DNA Repair and PI3K Pathway Activation Predict Response to the PARP Inhibitor BMN 673 in Small Cell Lung Cancer—Response
Robert J.G. Cardnell and Lauren A. Byers

ABOUT THE COVER

The cover shows a class of recurrent hotspot mutations in PIK3R1 and PIK3CA from endometrial cancer patients that are clustered at the interface between the iSH2 domain of PIK3R1 and the C2 domain of PIK3CA. Alteration of some of these crucial amino acids has been shown to be sufficient to disrupt the inhibitory contact by PIK3R1 and may represent a novel mechanism of oncogenic activation of PIK3CA. For details, see the article by Bourgon and colleagues on page 2080 of this issue.