EDITORIAL

The Era of Cancer Discovery … vi
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Characterization of KRAS Rearrangements in Metastatic Prostate Cancer………………… 35
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The BATTLE Trial: Personalizing Therapy for Lung Cancer................. 44
Précis: Phase II results from the BATTLE trial demonstrate the potential of personalized therapy for lung cancer.

Leukocyte Complexity Predicts Breast Cancer Survival and Functionally Regulates Response to Chemotherapy ................. 54
Précis: Tumor immune microenvironment plays an important role in the response to chemotherapy.

A Novel Two-Stage, Transdisciplinary Study Identifies Digoxin as a Possible Drug for Prostate Cancer Treatment ...... 68
Précis: The cardiac glycoside digoxin is identified as a possible therapeutic for prostate cancer.

Mutations in the DDR2 Kinase Gene Identify a Novel Therapeutic Target in Squamous Cell Lung Cancer ......................... 78
Précis: DDR2 kinase is identified as a therapeutic target in squamous cell lung cancer, a disease for which no targeted therapies currently exist.

A structural model shows dasatinib bound to the discoidin domain receptor 2 (DDR2) kinase. Hammerman and colleagues identified DDR2 as a potential therapeutic target in a subset of lung squamous cell carcinomas (SCC). They also found that dasatinib inhibited DDR2, and they observed a clinical response in one patient. These findings warrant further clinical evaluation of this drug and target in a subset of SCC patients. For details, please see the article by Hammerman and colleagues on page 78.