CRKL as a Lung Cancer Oncogene and Mediator of Acquired Resistance to EGFR Inhibitors: Is It All That It Is Cracked Up to Be? .......... 560
M. Ladanyi
Commentary on Cheung et al., p. 608

REVIEW PI3Kδ Inhibitors in Cancer: Rationale and Serendipity Merge in the Clinic .......... 562
D.A. Fruman and C. Rommel

RESEARCH BRIEFS Durable Complete Response of Metastatic Gastric Cancer with Anti-Met Therapy Followed by Resistance at Recurrence .......... 573
Précis: An anti-MET monoclonal antibody elicited a 2-year complete response in a patient with metastatic gastric cancer with MET gene polysomy and autocrine HGF production.

A Novel Platform for Detection of CK⁺ and CK⁻ CTCs .......... 580
Précis: An expanded antibody cocktail combined with a microfluidics platform directly incorporating FISH identifies nonepithelial CTCs.
A 48-year-old woman with chemorefractory metastatic gastric cancer to the liver and 5-fluorouracil (1), nor did she receive adjuvant chemotherapy. Oxaliplatin (FOLFOX) was initiated. Because of the patient's subsequent upper gastrointestinal bleeding in February 2007, a computed tomography scan of the abdomen revealed a 12.4 mm nodule in the gallbladder that was consistent with progressive disease. A biopsy of the gallbladder nodule was consistent with a primary gastric cancer. Four of 21 patients who had a resection of a liver metastasis and cholecystectomy in April 2007. The primary tumor had curvatures of the stomach with no evidence of metastatic disease and 5-fluorouracil, and Silencing of Differentiation Pathway Gene Polysomy and Evidence for an Amplification of CRKL Induces Transformation and Epidermal Growth Factor Receptor Inhibitor Resistance in Human Non–Small Cell Lung Cancers. Presenting authors: B.S. Taylor, P.L. DeCarolis, C.V. Angeles, F. Brenet, N. Schultz, C.R. Antonescu, J.M. Scandura, C. Sander, A.J. Viale, N.D. Socci, and S. Singer

Précis: Dedifferentiated liposarcomas harbor recurring HDACI mutations and exhibit aberrant methylomes, suggesting that epigenetic therapies may be effective in these tumors.

Correction: Forty Years of Translational Cancer Research

Correction: Drugs, Diagnostic Tests Approved Quickly

Correction: Ovarian Cancer Spheroids Use Myosin-Generated Force to Clear the Mesothelium

Acknowledgment to Reviewers

For more News and Research Watch, visit Cancer Discovery online at www.AACR.org/CancerWatch. Online-only News stories include the following:

- HDAC Inhibitors Show Benefits in Breast Cancer
- Phenotypic Profiling Identifies Novel Anticancer Drugs
- Automated Pathology Gives Accurate Predictions
- Triple-Acting Drug Boosts Prostate Cancer Survival
- Analyzing Intact Proteins with Mass Spectrometry
- FDA Pulls Approval for Avastin in Breast Cancer

ON THE COVER

Juergens and colleagues present results from a phase I/II trial showing that combined epigenetic therapy with azacitidine and entinostat can elicit objective responses, including one complete and one partial response, in refractory metastatic non–small cell lung cancer (NSCLC). A decreased methylation signature in response to treatment was associated with longer overall and progression-free survival, indicative of on-target epigenetic effects. Furthermore, several patients had objective responses to subsequent anticancer therapies. This combination epigenetic therapy may therefore be effective in reversing the epigenetic mechanisms driving the progression and resistance of NSCLC. For details, please see the article by Juergens and colleagues on page 598.