RESEARCH BRIEFS

DNA-Damage Response during Mitosis Induces Whole-Chromosome Missegregation ........ 1281
S.F. Bakhoum, L. Kabeche, J.P. Murnane, B.I. Zaki, and D.A. Compton

Précis: Activation of the DNA damage response during mitosis leads to whole chromosome segregation defects via PLK1/Aurora A–mediated stabilization of kinetochore–microtubule attachments.
See commentary, p. 1256

l-2-Hydroxyglutarate: An Epigenetic Modifier and Putative Oncometabolite in Renal Cancer ........ 1290

Précis: Accumulation of l-2-hydroxyglutarate in renal cell carcinoma as a result of somatic L2HGDH deficiency is associated with alterations in DNA and histone methylation.

Brain Tumor Cells in Circulation Are Enriched for Mesenchymal Gene Expression ............ 1299

Précis: Circulating tumor cells with invasive mesenchymal characteristics can be detected in patients with glioblastoma and may prove useful in disease monitoring.
See commentary, p. 1259

IN THE SPOTLIGHT

Collateral Genome Instability by DNA Damage in Mitosis .......... 1256
N. Jelluma and G.J.P.L. Kops
See article, p. 1281

Escaping Out of the Brain .......... 1259
J. Seoane and L. De Mattos-Arruda
See article, p. 1299

Insights into the Mechanism of Organ-Specific Cancer Metastasis .......... 1262
M.A. Rubin
See article, p. 1310

IN FOCUS

Social Interactomes for Enabling Research Communities ........ 1265
J. Guinney, R. Dienstmann, C. Ferté, S. Friend, and F. McCormick

RESISTANCE TO ANTI-EGFR THERAPY IN COLORECTAL CANCER: FROM HETEROGENEITY TO CONVERGENT EVOLUTION .......... 1269
S. Misale, F. Di Nicolantonio, A. Sartore-Bianchi, S. Siena, and A. Bardelli

RESEARCH WATCH

Highlighted research articles 1243

Important news stories affecting the community 1246

FDA Announces Plans to Regulate LDTs 1250

Selected highlights of recent articles of exceptional significance from the cancer literature 1251

For more News and Research Watch, visit Cancer Discovery online at http://CDnews.aacrjournals.org.

VIEWS

In The Spotlight

Collateral Genome Instability by DNA Damage in Mitosis ....... 1256
N. Jelluma and G.J.P.L. Kops
See article, p. 1281

Escaping Out of the Brain ....... 1259
J. Seoane and L. De Mattos-Arruda
See article, p. 1299

Insights into the Mechanism of Organ-Specific Cancer Metastasis ......... 1262
M.A. Rubin
See article, p. 1310

In Focus

Social Interactomes for Enabling Research Communities ....... 1265
J. Guinney, R. Dienstmann, C. Ferté, S. Friend, and F. McCormick

RESISTANCE TO ANTI-EGFR THERAPY IN COLORECTAL CANCER: FROM HETEROGENEITY TO CONVERGENT EVOLUTION ....... 1269
S. Misale, F. Di Nicolantonio, A. Sartore-Bianchi, S. Siena, and A. Bardelli

RESEARCH BRIEFS

DNA-Damage Response during Mitosis Induces Whole-Chromosome Missegregation ....... 1281
S.F. Bakhoum, L. Kabeche, J.P. Murnane, B.I. Zaki, and D.A. Compton

Précis: Activation of the DNA damage response during mitosis leads to whole chromosome segregation defects via PLK1/Aurora A–mediated stabilization of kinetochore–microtubule attachments.
See commentary, p. 1256

l-2-Hydroxyglutarate: An Epigenetic Modifier and Putative Oncometabolite in Renal Cancer ....... 1290

Précis: Accumulation of l-2-hydroxyglutarate in renal cell carcinoma as a result of somatic L2HGDH deficiency is associated with alterations in DNA and histone methylation.

Brain Tumor Cells in Circulation Are Enriched for Mesenchymal Gene Expression ....... 1299

Précis: Circulating tumor cells with invasive mesenchymal characteristics can be detected in patients with glioblastoma and may prove useful in disease monitoring.
See commentary, p. 1259

IN THE SPOTLIGHT

Collateral Genome Instability by DNA Damage in Mitosis ....... 1256
N. Jelluma and G.J.P.L. Kops
See article, p. 1281

Escaping Out of the Brain ....... 1259
J. Seoane and L. De Mattos-Arruda
See article, p. 1299

Insights into the Mechanism of Organ-Specific Cancer Metastasis ....... 1262
M.A. Rubin
See article, p. 1310
The Androgen-Regulated Protease TMPRSS2 Activates a Proteolytic Cascade Involving Components of the Tumor Microenvironment and Promotes Prostate Cancer Metastasis ............... 1310

Précis: The serine protease TMPRSS2 enhances androgen-driven prostate cancer metastasis by inducing HGF cleavage and activation of c-MET signaling, and may represent a potential therapeutic target.

See commentary, p. 1262

The Genomic Landscape of Pediatric Ewing Sarcoma .......... 1326

Précis: The serine protease TMPRSS2 enhances androgen-driven prostate cancer metastasis by inducing HGF cleavage and activation of c-MET signaling, and may represent a potential therapeutic target.

See commentary, p. 1262

The Genomic Landscape of Ewing Sarcoma Defines an Aggressive Subtype with Co-Association of STAG2 and TP53 Mutations ......................... 1342

Précis: Ewing sarcoma tumors exhibit a low mutation rate but frequently harbor somatic mutations in STAG2, which are mutually exclusive with CDKN2A loss and correlate with TP53 mutations and poor prognosis.