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HUMAN CANCER BIOLOGY

Activation of PI3K Signaling in Merkel Cell Carcinoma
Valentina Nardi, Youngchul Song, Juan A. Santamaria-Barria, Arjola K. Cosper, Qyinh Lam, Anthony C. Faber, Genevieve M. Boland, Beow Y. Yeap, Kristin Bergethon, Vanessa L. Scialabba, Hensin Tsao, Jeffrey Settleman, David P. Byan, Darrell R. Borger, Atul K. Bhan, Mai P. Hoang, Anthony J. Iafrate, James C. Cusack, Jeffrey A. Engelman, and Dora Dias-Santagata

Infiltration of Lynch Colorectal Cancers by Activated Immune Cells Associates with Early Staging of the Primary Tumor and Absence of Lymph Node Metastases

HDL of Patients with Type 2 Diabetes Mellitus Elevates the Capability of Promoting Breast Cancer Metastasis
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Downregulation of SMG-1 in HPV-Positive Head and Neck Squamous Cell Carcinoma Due to Promoter Hypermethylation Correlates with Improved Survival
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CANCER THERAPY: PRECLINICAL

Telomestatin Impairs Glioma Stem Cell Survival and Growth through the Disruption of Telomeric G-Quadruplex and Inhibition of the Proto-oncogene, c-Myb
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Elucidating Prognosis and Biology of Breast Cancer Arising in Young Women Using Gene Expression Profiling
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Lenalidomide-Induced Immunomodulation in Multiple Myeloma: Impact on Vaccines and Antitumor Responses
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Pathway-Specific Analysis of Gene Expression Data Identifies the PI3K/Akt Pathway as a Novel Therapeutic Target in Cervical Cancer
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Mechanisms of Resistance to Crizotinib in Patients with ALK Gene Rearranged Non–Small Cell Lung Cancer
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Correction: Noninvasive Detection of Breast Cancer Lymph Node Metastasis Using Carbonic Anhydrases IX and XII Targeted Imaging Probes

Correction: Glutamatergic Pathway Targeting in Melanoma: Single-Agent and Combinatorial Therapies
ABOUT THE COVER

Following treatment with a G-quadruplex ligand, telomestatin, glioma stem cells rapidly developed punctate nuclear 53BP1 foci. Of note, some of these foci colocalized with nontelomeric DNA, thereby representing both telomeric and nontelomeric dysfunction-induced foci, a hallmark of deprotected DNA damage. The loss of tumor stemness is likely associated with a failure in the DNA damage response elicited by telomestatin in glioma stem cells. For details, see the article by Miyazaki and colleagues on page 1268 of this issue.
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