HUMAN CANCER BIOLOGY

MARCKS Regulates Growth and Radiation Sensitivity and Is a Novel Prognostic Factor for Glioma
John S. Jarboe, Joshua C. Anderson, Christine W. Duarte, Tapan Mehta, Somaira Nowsheen, Patricia H. Hicks, Alexander C. Whitley, Timothy D. Rohrbach, Raymond O. McCubrey, Sherard Chiu, Tamara M. Burleson, James A. Bonner, G. Yancey Gillespie, Eddy S. Yang, and Christopher D. Willey

Decreased Selenium-Binding Protein 1 Enhances Glutathione Peroxidase 1 Activity and Downregulates HIF-1α to Promote Hepatocellular Carcinoma Invasiveness
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Microarray Analysis of Colorectal Cancer Stromal Tissue Reveals Upregulation of Two Oncogenic miRNA Clusters
Naohiro Nishida, Makoto Nagahara, Tetsuya Sato, Koshi Mimori, Tomoya Sudo, Fumiaki Tanaka, Kohei Shibata, Hideshi Ishii, Kenichi Sugihara, Yuichiro Doki, and Masaki Mori

Aberrant L1 Cell Adhesion Molecule Affects Tumor Behavior and Chemosensitivity in Anaplastic Thyroid Carcinoma
Koon Soon Kim, Jeong-Ki Min, Zhe Long Liang, Kyungmin Lee, Jung Uee Lee, Kwang-Hee Bae, Min Hee Lee, Seong Eun Lee, Min Jeong Ryu, Soung Jung Kim, Yong Kyoung Kim, Min Jeong Choi, Young Suk Jo, Jin-Man Kim, and Minho Shong

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Carbonic Anhydrase IX Promotes Tumor Growth and Necrosis In Vivo and Inhibition Enhances Anti-VEGF Therapy
Alan McIntyre, Shalini Patiar, Simon Wigfield, Ji-liang Li, Ioanna Ledaki, Helen Turley, Russell Leek, Cameron Snell, Kevin Gatter, William S. Sly, Richard D. Vaughan-Jones, Pawel Swietach, and Adrian L. Harris

The Effects of Chemotherapy on Cognitive Function in a Mouse Model: A Prospective Study
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Dendritic Cell–Activating Vaccine Adjuvants Differ in the Ability to Elicit Antitumor Immunity Due to an Adjuvant-Specific Induction of Immunosuppressive Cells
Yushe Dang, Wolfgang M. Wagner, Ekram Gad, Lauren Rastetter, Carmen M. Berger, Gregory E. Holt, and Mary L. Disis

Mutations in the Ras–Raf Axis Underlie the Prognostic Value of CD133 in Colorectal Cancer
Kristel Kemper, Miranda Versluis, Katherine Cameron, Selcuk Colak, Felipe de Sousa e Melo, Joan H. de Jong, Joanne Bleackley, Louis Vermeulen, Rogier Versteeg, Jan Koster, and Jan Paul Medema

MSH3 Protein Expression and Nodal Status in MLH1-Deficient Colorectal Cancers
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SSBP2 Variants Are Associated with Survival in Glioblastoma Patients

Phase II Study of Single-Agent Navitoclax (ABT-263) and Biomarker Correlates in Patients with Relapsed Small Cell Lung Cancer

Complete Longitudinal Analyses of the Randomized, Placebo-Controlled, Phase III Trial of Sunitinib in Patients with Gastrointestinal Stromal Tumor following Imatinib Failure

Subclinical Peripheral Neuropathy Is a Common Finding in Colorectal Cancer Patients Prior to Chemotherapy
Jessica A. Boyette-Davis, Cathy Eng, Xin S. Wang, Charles S. Cleeland, Gwen Wendelschafer-Crabb, William R. Kennedy, Donald A. Simone, Haijun Zhang, and Patrick M. Dougherty
ABSTRACT

Increase in Cholesterol Predicts Survival Advantage in Renal Cell Carcinoma Patients Treated with Temsirolimus
Chee Khoon Lee, Ian C. Marschner, R. John Simes, Merryn Voysey, Brian Egleston, Gary Hudes, and Paul de Souza
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Multidrug Resistance–Linked Gene Signature Predicts Overall Survival of Patients with Primary Ovarian Serous Carcinoma
Jean-Pierre Gillet, Anna Maria Calcagno, Sudhir Varma, Ben Davidson, Mari Bunkhol Elstrand, Ram Ganapathi, Aparna A. Kamat, Anil K. Sood, Suresh V. Ambudkar, Michael V. Seiden, Bo R. Rueda, and Michael M. Gottesman

ABOUT THE COVER

Aberrant L1 cell adhesion molecule (LICAM) affects tumor behavior and chemosensitivity in anaplastic thyroid carcinoma (ATC). LICAM is highly expressed in ATC cells, but not in nodular hyperplasia or papillary thyroid carcinoma (PTC) cells. LICAM plays an important role in the aggressiveness of ATC by enhancing proliferation, migration, invasion, and chemoresistance. Photomicrograph showing immunohistochemical staining for LICAM in PTC tissue, 200X magnification. For details, see the article by Kim and colleagues on page 3071 of this issue.