## Editorial

**Epigenetic Biomarkers and Breast Cancer: Cause for Optimism.**

Commentary on Yan et al., p. 6626  
Kala Visvanathan, Saraswati Sukumar, and Nancy E. Davidson

---

## The Biology Behind

**Fluorescence Visualization in Oral Neoplasia: Shedding Light on an Old Problem.**

Commentary on Poh et al., p. 6716  
William H. Westra and David Sidransky

---

## Molecular Pathways

**Of Spiders and Crabs: The Emergence of Lysophospholipids and Their Metabolic Pathways as Targets for Therapy in Cancer.** Mandi Murph, Tamotsu Tanaka, Shuying Liu, and Gordon B. Mills

---

## Review

**Synopsis of a Roundtable on Validating Novel Therapeutics for Multiple Myeloma.**  
William Dalton and Kenneth C. Anderson

---

## Human Cancer Biology

**Enhanced RASGEF1A Expression Is Involved in the Growth and Migration of Intrahepatic Cholangiocarcinoma.** Katsuaki Ura, Kazutaka Obama, Seiji Satoh, Yoshiharu Sakai, Yusuke Nakamura, and Yoichi Furukawa

**Identification of Carboxypeptidase of Glutamate Like-B as a Candidate Suppressor in Cell Growth and Metastasis in Human Hepatocellular Carcinoma.** Pingping Zhang, David Wai Chan, YiYi Zhu, Jin Jun Li, Irene Oi-Lin Ng, Dafang Wan, and Jianren Gu


**Molecular and Cytogenetic Subgroups of Oropharyngeal Squamous Cell Carcinoma.** Federica Perrone, Simona Suardi, Elisa Pastore, Paola Casieri, Marta Orsenigo, Stefano Caramuta, Gianpaolo Dagrada, Marco Losa, Lisa Licitra, Paolo Bossi, Samantha Staurengo, Maria Oggionni, Laura Locati, Giulio Cantu, Massimo Squadrelli, Antonino Carbone, Marco A. Pierotti, and Silvana Pilotti

**FGFR1 Emerges as a Potential Therapeutic Target for Lobular Breast Carcinomas.** Jorge Sergio Reis-Filho, Pete T. Simpson, Nicholas C. Turner, Maryou Ballo Lambros, Chris Jones, Alan Mackay, Anita Grigoriadis, David Sarrio, Kay Savage, Tim Dexter, Marjan Iravani, Kerry Fenwick, Barbara Weber, David Hardisson, Fernando Carlos Schmitt, Jose Palacios, Sunil R. Lakhani, and Alan Ashworth
Nomograms Provide Improved Accuracy for Predicting Survival after Radical Cystectomy.

Vascular Targeted Nanoparticles for Imaging and Treatment of Brain Tumors.

Frequent Epigenetic Inactivation of Spleen Tyrosine Kinase Gene in Human Hepatocellular Carcinoma.
Yunfei Yuan, Jianping Wang, Jinqing Li, Li Wang, Meixiang Li, Zuli Yang, Changqing Zhang, and Jia Le Dai...............................................................................................................................................................6687

Patrizia Querzoli, Massimo Pedriali, Rosa Rinaldi, Anna R. Lombardi, Elia Biganzoli, Patrizia Boracchi, Stefano Ferretti, Claudia Frasson, Caterina Zanella, Sara Ghisellini, Federico Ambrogi, Laura Antolini, Mauro Piantelli, Stefano Iacobelli, Ettore Marubini, Saverio Alberti, and Italo Nenci.................................................6696

Loss of Breast Cancer Metastasis Suppressor 1 Protein Expression Predicts Reduced Disease-Free Survival in Subsets of Breast Cancer Patients.
David G. Hicks, Brian J. Yoder, Sarah Short, Shannon Tarr, Nichole Prescott, Joseph P. Crowe, Andrea E. Dawson, G. Thomas Budd, Steven Sizemore, Muzaffar Cicek, Tonk K. Choueiri, Raymond R. Tubbs, Daniel Gaile, Norma Nowak, Mary Ann Accavitti-Loper, Andrea R. Frost, Danny R. Welch, and Graham Casey .................................................................6702

Galectin-3 Expression Is Associated with Tumor Progression and Pattern of Sun Exposure in Melanoma.

Fluorescence Visualization Detection of Field Alterations in Tumor Margins of Oral Cancer Patients.
Catherine F. Poh, Lewei Zhang, Don W. Anderson, J. Scott Durham, P. Michele Williams, Robert W. Priddy, Ken W. Berean, Samson Ng, Olivia L. Tseng, Calum MacAulay, and Miriam P. Rosin..................................................................................................................6716

Fragile Histidine Triad Expression in Oral Squamous Cell Carcinoma and Precursor Lesions.
Omar Kujan, Richard Oliver, Luca Roz, Gabriella Sozzi, Noel Ribeiro, Robert Woodwards, Nalin Thakker, and Philip Sloan........................................................................................................................................................6723

Computed Tomography–Diagnosed Emphysema, Not Airway Obstruction, Is Associated with the Prognostic Outcome of Early-Stage Lung Cancer.
Kazuhiro Ueda, Mitsutaka Jinbo, Taoshing Li, Takaharu Yagi, Kazuyoshi Suga, and Kimikazu Hamano........................................................................................................................................6730

Cancer Therapy: Clinical

A Phase I Study of OncoVEXGm-CSF, a Second-Generation Oncolytic Herpes Simplex Virus Expressing Granulocyte Macrophage Colony-Stimulating Factor.
Jennifer C. C. Hu, Robert S. Coffin, Ceri J. Davis, Nicola J. Graham, Natasha Groves, Peter J. Guest, Kevin J. Harrington, Nicholas D. James, Colin A. Love, Iain McNeish, Louise C. Medley, Agniezka Michael, Christopher M. Nutting, Harder S. Pandha, Claire A. Shorrock, Julie Simpson, Jan Steiner, Neil M. Steven, Dennis Wright, and R. Charles Coombes........................................................................................................6737

Nitroglycerin Treatment May Enhance Chemosensitivity to Docetaxel and Carboplatin in Patients with Lung Adenocarcinoma.
Hiroyasu Yasuda, Katsutoshi Nakayama, Mika Watanabe, Satoshi Suzuki, Hiromi Fuji, Shoji Okinaga, Akio Kanda, Kiyoshi Zayasu, Takahiko Sasaki, Masanori Asada, Tomoko Suzuki, Motoki Yoshida, Shinshuke Yamada, Daisuke Inoue, Tomohiro Kaneta, Takashi Kondo, Yoshiihiro Takai, Hitetada Sasaki, Kazuhiro Yagishita, and Matsuho Yama..................................................................................................................6748
Cancer Therapy: Preclinical


CXCR4 Inhibition Synergizes with Cytotoxic Chemotherapy in Gliomas. Navid Redjal, Jennifer A. Chan, Rosalind A. Segal, and Andrew L. Kung

Down-Regulation of Insulin-Like Growth Factor I Receptor Activity by NVP-AEW541 Has an Antitumor Effect on Neuroblastoma Cells In vitro and In vivo. Barbara Tanno, Camillo Mancini, Roberta Vitali, Mariateresa Mancuso, Heather P. McDowell, Carlo Dominici, and Giuseppe Raschella

Combined Transcriptional and Translational Targeting of EWS/FLI-1 in Ewing’s Sarcoma. Silvia Mateo-Lozano, Prafulla C. Gokhale, Viatcheslav A. Soldatenkov, Anatoly Dritschilo, Oscar M. Tirado, and Vicente Notario


Vascular Endothelial Growth Factor Blockade Reduces Intratumoral Regulatory T Cells and Enhances the Efficacy of a GM-CSF–Secreting Cancer Immunotherapy. Betty Li, Alshad S. Lalani, Thomas C. Harding, Bo Luan, Kathryn Koprivnikar, Guang Huan Tu, Rodney Prell, Melinda J. VanRoey, Andrew D. Simmons, and Karin Jooss

Arsenic Trioxide Affects Signal Transducer and Activator of Transcription Proteins through Alteration of Protein Tyrosine Kinase Phosphorylation. Meir Wetzler, Michael T. Brady, Erin Tracy, Zhang-Rong Li, Kathleen A. Donohue, Kieran L. O’Loughlin, Yijun Cheng, Amir Mortazavi, Amy A. McDonald, Padmaja Kunapuli, Paul K. Wallace, Maria R. Baer, John K. Cowell, and Heinz Baumann


SD-1029 Inhibits Signal Transducer and Activator of Transcription 3 Nuclear Translocation. Zhenfeng Duan, James E. Bradner, Edward Greenberg, Ross Levine, Rosemary Foster, Jennifer Mahoney, and Michael V. Seiden

A Novel HSV-1 Virus, JS1/34.5*/47*, Purges Contaminating Breast Cancer Cells From Bone Marrow. Jennifer C. Hu, Matthew J. Booth, Gopichand Tripraneni, Derek Davies, Syed A.A. Zaidi, Manuela Tamburo de Bella, Martin J. Slade, Stephen B. Marley, Myrtle Y.A. Gordon, Robert S. Coffin, R. Charles Coombes, and Tahereh Kamalati
Letters to the Editor

Unexpected Immunohistochemical Localization of Deoxycytidine Kinase. Lorelei Johnson, Raymond Lai, Cheryl Santos, Laith Dabbagh, and John Mackey ................................................................. 6863

About the Cover

FISH analysis of 9p21 locus in HPV16-positive oropharyngeal squamous cell carcinoma. The cytogenetic analysis was performed using a CEP9/9p21 probe to interphasic nuclei. The nuclei showed a normal disomic hybridization pattern of 9p21 represented by two centromere 9 signals (green spots) coupled with two 9p21 signals (red spots). For further details, please see Perrone et al. on page 6643 in this issue.

Clinical Cancer Research will no longer print author and subject indexes for each yearly volume. The majority of our readers report that they now use online search capabilities to find articles (http://clincancerres.aacrjournals.org/).