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.
Katsuki 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

Mapping Geographic Zones of Cancer Risk with Epigenetic Biomarkers in Normal Breast Tissue.

Reprimo Methylation Is a Potential Biomarker of Barrett’s-Associated Esophageal Neoplastic Progression.
James P. Hamilton, Fumiaki Sato, Zhe Jin, Bruce D. Greenwald, Tetsuo Ito, Yuriko Mori, Bogdan C. Paun, Takatsugu Kan, Yulan Cheng, Suna Wang, Jian Yang, John M. Abraham, and Stephen J. Meltzer

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 Staufergo, Maria Oggiorni, Laura Locati, Giulio Cantu, Massimo Squaredelli, 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.
Shahrokh F. Shariat, Pierre I. Karakiewicz, Ganesh S. Palapattu, Gilad E. Amiel, Yair Lotan,
Craig G. Rogers, Amnon Vazina, Patrick J. Bastian, Amit Gupta, Arthur I. Sagalowsky,
Mark Schoenberg, and Seth P. Lerner.................................................................6663

Vascular Targeted Nanoparticles for Imaging and Treatment of Brain Tumors.
G. Ramachandra Reddy, Mahaveer S. Bhojani, Patrick McConville, Jonathan Moody,
Bradford A. Mofiat, Daniel E. Hall, Guangseong Kim, Yong-Eun L. Koo, Michael J. Woolliscroft,
James V. Sugai, Timothy D. Johnson, Martin A. Philbert, Raoul Kopelman, Alnawaz Rehemtulla,
and Brian D. Ross.....................................................................................................6677

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

Axillary Lymph Node Nanometastases Are Prognostic Factors for Disease-Free Survival
and Metastatic Relapse in Breast Cancer Patients. Patrizia Querzoli, Massimo Pedriali,
Rosa Rinaldi, Anna Rita 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, Muzafer Cicek, Toni 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. Victor G. Prieto, Alexandra A. Mourad-Zeidan, Vladislava Melnikova,
Marcella M. Johnson, Adriana Lopez, A. Hafeez Diwan, Alexander J.F. Lazar, Steven S. Shen,
Peter S. Zhang, Jon A. Reed, Jeffrey E. Gershewald, Avraham Raz, and Menashe Bar-Eli....6709

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,
Tao-Sheng Li, Takaharu Yagi, Kazuyoshi Suga, and Kimikazu Hamano......................6730

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, Agnieszka Michael,
Christopher M. Nutting, Hardev 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 Zayas, Takahiko Sasaki,
Masanori Asada, Tomoko Suzuki, Motoki Yoshida, Shinshuke Yamada, Daisuke Inoue,
Tomohiro Kaneta, Takashi Kondo, Yoshihiro Takai, Hitotada Sasaki, Kazuhiro Yanagihara,
and Mutsuo Yamaya.................................................................................................6748

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


Diallyl Trisulfide Suppresses Growth of PC-3 Human Prostate Cancer Xenograft In vivo in Association with Bax and Bak Induction. Dong Xiao, Karen L. Lew, Young-Ae Kim, Yan Zeng, Eun-Ryeong Hahn, Rajiv Dhir, and Shivendra V. Singh

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 Tripathani, 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/).