Editorial

Epigenetic Biomarkers and Breast Cancer: Cause for Optimism.

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

6591

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

6594

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

6598

Review

Synopsis of a Roundtable on Validating Novel Therapeutics for Multiple Myeloma.

William Dalton and Kenneth C. Anderson

6603

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

6611

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

6617

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


6626

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. Melzner

6637

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 Oggiioni, Laura Locati, Giulio Cantu, Massimo Squadrelli, Antonino Carbone, Marco A. Pierotti, and Silvana Pilotti

6643

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

6652


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.


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.


Cancer Therapy: Preclinical

**NPI-0052 Enhances Tumoricidal Response to Conventional Cancer Therapy in a Colon Cancer Model.** James C. Cusack, Jr., Rong Liu, Lijun Xia, Ta-Hsiang Chao, Christine Pien, Wei Niu, Vito J. Palombella, Saskia T.C. Neuteboom, and Michael A. Palladino ................................................................. 6758

**CXCR4 Inhibition Synergizes with Cytotoxic Chemotherapy in Gliomas.** Navid Redjal, Jennifer A. Chan, Rosalind A. Segal, and Andrew L. Kung ................................................................. 6765

**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 ........................................................................................................................................... 6772

**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 ........................................................................................................................................ 6781

**Dominant-Negative Fibroblast Growth Factor Receptor Expression Enhances Antitumoral Potency of Oncolytic Herpes Simplex Virus in Neural Tumors.** Ta-Chiang Liu, Tingguo Zhang, Hiroshi Fukuhara, Toshihiko Kuroda, Tomoki Todo, Xavier Canron, Andreas Bikfalvi, Robert L. Martuza, Andreas Kurzt, and Samuel D. Rabin ........................................................................................................................................ 6791


**Vascular Endothelial Growth Factor Blockade Reduces Intratumoral Regulatory TCells 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 ........................................................................................................................................ 6808

**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. Donald, Padmaja Kunapuli, Paul K. Wallace, Maria R. Baer, John K. Cowell, and Heinz Baumann ........................................................................................................................................ 6817

**Combination Mammalian Target of Rapamycin Inhibitor Rapamycin and HSP90 Inhibitor 17-Allylamino-17-Demethoxygeldanamycin Has Synergistic Activity in Multiple Myeloma.** Lanie K. Francis, Yazan Alsayed, Xavier Leleu, Xiaoying Jia, Ujjal K. Singha, Judith Anderson, Michael Timm, Hai Ngo, Ganwei Lu, Alissa Huston, Lori A. Ehrlich, Elizabeth Dimmock, Suzanne Lentzsch, Teru Hideshima, G. David Roodman, Kenneth C. Anderson, and Irene M. Ghoubl ........................................................................................................................................ 6826

**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 ........................................................................................................................................ 6836

**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 ........................................................................................................................................ 6844

**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 Kamalat ................................................................. 6853
Letters to the Editor

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

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/).