

Editorial

Hearsay Medicine Is Not Evidence-Based Medicine.

Commentary on Shariat et al., p. 607

Robert S. DiPaola and Michael A. Gallo337

The Biology Behind

Is Breast Tumor Progression Really Linear?

Commentary on Allred et al., p. 370

Kornelia Polyak339

Molecular Pathways

Advances in Targeting the Ras/Raf/MEK/Erk Mitogen-Activated Protein Kinase Cascade with MEK Inhibitors for Cancer Therapy.

Bret B. Friday and Alex A. Adjei342

Role of IG20 Splice Variants in TRAIL Resistance.

Bellur S. Prabhakar, Nirupama Mulherkar, and Kanteti V. Prasad347

Report from the FDA

Sprycel for Chronic Myeloid Leukemia and Philadelphia Chromosome-Positive Acute Lymphoblastic Leukemia Resistant to or Intolerant of Imatinib Mesylate.

Michael Brave, Vicki Goodman, Edvardas Kaminskas, Ann Farrell, William Timmer, Sarah Pope, Ravi Harapanhalli, Haleh Saber, David Morse, Julie Bullock, Angela Men, Carol Noory, Roshni Ramchandani, Leslie Kenna, Brian Booth, Joga Gobburu, Xiaoping Jiang, Rajeshwari Sridhara, Robert Justice, and Richard Pazdur352

Review

MicroRNAs as Prognostic Indicators and Therapeutic Targets: Potential Effect on Breast Cancer Management.

Aoife J. Lowery, Nicola Miller, Roisin E. McNeill, and Michael J. Kerin360

Human Cancer Biology

Inverse Relationship between Human Papillomavirus-16 Infection and Disruptive p53 Gene Mutations in Squamous Cell Carcinoma of the Head and Neck.

William H. Westra, Jano's M. Taube, M.L. Poeta, Shanaz Begum, David Sidransky, and Wayne M. Koch366

Ductal Carcinoma *In situ* and the Emergence of Diversity during Breast Cancer Evolution.

D. Craig Allred, Yun Wu, Sufeng Mao, Iris D. Nagtegaal, Sangjun Lee, Charles M. Perou, Syed K. Mohsin, Peter O'Connell, Anna Tsimelzon, and Dan Medina370

Overexpression of Cellular Iron Import Proteins Is Associated with Malignant Progression of Esophageal Adenocarcinoma.

Jessica Boulton, Keith Roberts, Matthew J. Brookes, Sharon Hughes, Jonathan P. Bury, Simon S. Cross, Gregory J. Anderson, Robert Spychal, Tariq Iqbal, and Chris Tselepis379

Large Deletions of the PRKARIA Gene in Carney Complex.

Anelia Horvath, Ioannis Bossis, Christoforos Giatzakis, Elizabeth Levine, Frank Weinberg, Elise Meoli, Audrey Robinson-White, Jennifer Siegel, Payal Soni, Lionel Groussin, Ludmila Matyakhina, Somya Verma, Elaine Remmers, Maria Nesterova, J. Aidan Carney, Jérôme Bertherat, and Constantine A. Stratakis388

Unique Cell Surface Expression of Receptor Tyrosine Kinase ROR1 in Human B-Cell Chronic Lymphocytic Leukemia.

Sivasubramanian Baskar, Ka Yin Kwong, Thomas Hofer, Jessica M. Levy, Michael G. Kennedy, Elinor Lee, Louis M. Staudt, Wyndham H. Wilson, Adrian Wiestner, and Christoph Rader396

Carcinoembryonic Antigen Cell Adhesion Molecule 6 Predicts Breast Cancer Recurrence following Adjuvant Tamoxifen.

Loaie Maraqa, Michele Cummings, Mark B. Peter, Abeer M. Shaaban, Kieran Horgan, Andrew M. Hanby, and Valerie Speirs405

Absence of E-Cadherin Expression Distinguishes Noncohesive from Cohesive Pancreatic Cancer. Jordan M. Winter, Angela H. Ting, Felip Vilardell, Eike Gallmeier, Steve B. Baylin, Ralph H. Hruban, Scott E. Kern, and Christine A. Iacobuzio-Donahue	412
---	-----

Imaging, Diagnosis, Prognosis

Association of MicroRNA Expression in Hepatocellular Carcinomas with Hepatitis Infection, Cirrhosis, and Patient Survival. Jinmai Jiang, Yuriy Gusev, Ileana Aderca, Teresa A. Mettler, David M. Nagorney, Daniel J. Brackett, Lewis R. Roberts, and Thomas D. Schmittgen	419
Serum Interleukin-6 Level but not Genotype Predicts Survival after Resection in Stages II and III Gastric Carcinoma. Wei-Chih Liao, Jaw-Town Lin, Chun-Ying Wu, Shih-Pei Huang, Ming-Tsan Lin, Ariel Sing-Huei Wu, Yu-Jie Huang, and Ming-Shiang Wu	428
Identification of Novel Nasopharyngeal Carcinoma Biomarkers by Laser Capture Microdissection and Proteomic Analysis. Ai-Lan Cheng, Wei-Guo Huang, Zhu-Chu Chen, Fang Peng, Peng-Fei Zhang, Mao-Yu Li, Feng Li, Jian-Ling Li, Cui Li, Hong Yi, Bin Yi, and Zhi-Qiang Xiao	435
Plasma Stromal Cell-Derived Factor-1: Host-Derived Marker Predictive of Distant Metastasis in Breast Cancer. Saima Hassan, Andrea Baccarelli, Ombretta Salvucci, and Mark Basik	446
Novel Blood-Based, Five-Gene Biomarker Set for the Detection of Colorectal Cancer. Mark Han, Choong Tsek Liew, Hong Wei Zhang, Samuel Chao, Run Zheng, Kok Thye Yip, Zhen-Ya Song, Hiu Ming Li, Xiao Ping Geng, Li Xin Zhu, Jian-Jiang Lin, K. Wayne Marshall, and Choong Chin Liew	455
Clinical Validation of a Customized Multiple Signature Microarray for Breast Cancer. Benita K.T. Tan, Lay Keng Tan, Kun Yu, Puay Hoon Tan, Ming Lee, Lang Hiong Sii, Chow Yin Wong, Gay Hui Ho, Allen W.Y. Yeo, Pierce K.H. Chow, Heng Nung Koong, Wei Sean Yong, Dennis T.H. Lim, London L.P.J. Ooi, Khee Chee Soo, and Patrick Tan	461
Serum Proteomics and Biomarkers in Hepatocellular Carcinoma and Chronic Liver Disease. Noah T. Zinkin, Franck Grall, Killimangalam Bhaskar, Hasan H. Otu, Dimitrios Spentzos, Brett Kalmowitz, Meghan Wells, Manuel Guerrero, John M. Asara, Towia A. Libermann, and Nezam H. Afdhal	470
Predicting Outcome in Follicular Lymphoma by Using Interactive Gene Pairs. David LeBrun, Tara Baetz, Cheryl Foster, Patricia Farmer, Roger Sidhu, Hong Guo, Karen Harrison, Roland Somogyi, Larry D. Greller, and Harriet Feilotter	478
Development of a Real-time RT-PCR Assay for Detecting EGFRvIII in Glioblastoma Samples. Koji Yoshimoto, Julie Dang, Shaojun Zhu, David Nathanson, Tiffany Huang, Rebecca Dumont, David B. Seligson, William H. Yong, Zhenggang Xiong, Nagesh Rao, Henrik Winther, Arnab Chakravarti, Darell D. Bigner, Ingo K. Mellinghoff, Steve Horvath, Webster K. Cavenee, Timothy F. Cloughesy, and Paul S. Mischel	488
EMMPRN Expression as a Prognostic Factor in Radiotherapy of Cervical Cancer. King-Zhu Ju, Jin-Ming Yang, Xiao-Yan Zhou, Zi-Ting Li, and Xiao-Hua Wu	494

Cancer Therapy: Clinical

Dose and Schedule Study of Panitumumab Monotherapy in Patients with Advanced Solid Malignancies. Louis M. Weiner, Arie S. Belldegrun, Jeffrey Crawford, Anthony W. Tolcher, Pamela Lockbaum, Rosalin H. Arends, Lynn Navale, Rafael G. Amado, Gisela Schwab, and Robert A. Figlin	502
--	-----

Phase I Study of Alternate-Week Administration of Tipifarnib in Patients with Myelodysplastic Syndrome. Razelle Kurzrock, Hagop M. Kantarjian, Michelle A. Blascovich, Cindy Bucher, Srdan Verstovsek, John J. Wright, Susan R. Pilat, Jorge E. Cortes, Elihu H. Estey, Francis J. Giles, Miloslav Beran, and Said M. Sebti.....	509
---	-----

Cancer Therapy: Preclinical

Image-Guided Enzyme/Prodrug Cancer Therapy. Cong Li, Marie-France Penet, Paul Winnard, Jr., Dmitri Artemov, and Zaver M. Bhujwala.....	515
Rhabdoid Tumor Growth is Inhibited by Flavopiridol. Melissa E. Smith, Velasco Cimica, Srinivasa Chinni, Kavitha Challagulla, Sridhar Mani, and Ganjam V. Kalpana.....	523
Sodium Thiosulfate Administered Six Hours after Cisplatin Does Not Compromise Antineuroblastoma Activity. Theresa M. Harned, Ondrej Kalous, Alexander Neuwelt, Jason Loera, Lingyun Ji, Peter Iovine, Richard Sposto, Edward A. Neuwelt, and C. Patrick Reynolds.....	533
Imatinib Mesylate Enhances Therapeutic Effects of Gemcitabine in Human Malignant Mesothelioma Xenografts. Pietro Bertino, Federica Piccardi, Camillo Porta, Roberto Favoni, Michele Cilli, Luciano Mutti, and Giovanni Gaudino.....	541
Interactions between Bortezomib and Romidepsin and Belinostat in Chronic Lymphocytic Leukemia Cells. Yun Dai, Shuang Chen, Lora B. Kramer, Vanessa L. Funk, Paul Dent, and Steven Grant.....	549
Effects of Plasmid-Based Stat3-Specific Short Hairpin RNA and GRIM-19 on PC-3M Tumor Cell Growth. Ling Zhang, Lifang Gao, Yang Li, Guimiao Lin, Yueting Shao, Kun Ji, Hao Yu, Jiadi Hu, Dhananjaya V. Kalvakolanu, Dennis J. Kopecko, Xuejian Zhao, and De-Qi Xu.....	559
A Novel Raji-Burkitt's Lymphoma Model for Preclinical and Mechanistic Evaluation of CD52-Targeted Immunotherapeutic Agents. Rosa Lapalombella, Xiaobin Zhao, Georgia Triantafillou, Bo Yu, Yan Jin, Gerard Lozanski, Carolyn Cheney, Nyla Heerema, David Jarjoura, Amy Lehman, L. James Lee, Guido Marcucci, Robert J. Lee, Michael A. Caligiuri, Natarajan Muthusamy, and John C. Byrd.....	569
Construction and Preclinical Characterization of Fc-mGITRL for the Immunotherapy of Cancer. Peisheng Hu, Robyn S. Arias, Rebecca E. Sadun, Yu-Chih Nien, Nan Zhang, Helen Sabzevari, M.E. Christine Lutsiak, Leslie A. Khawli, and Alan L. Epstein.....	579
In vivo and Microarray Analysis of Retinoid-Responsive Anaplastic Thyroid Carcinoma. Joshua P. Klopper, Andrew Berenz, William R. Hays, Vibha Sharma, Umarani Pugazhenthii, Jennifer Janssen, Meenakshi Singh, Reid P. Bissonnette, and Bryan R. Haugen.....	589
STX140 Is Efficacious In vitro and In vivo in Taxane-Resistant Breast Carcinoma Cells. Simon P. Newman, Paul A. Foster, Chloe Stengel, Joanna M. Day, Yaik T. Ho, Jean-Gabriel Judde, Myriam Lassalle, Gregoire Prevost, Mathew P. Leese, Barry V.L. Potter, Michael J. Reed, and Atul Purohit.....	597

Cancer Susceptibility and Prevention

Herbal/Hormonal Dietary Supplement Possibly Associated with Prostate Cancer Progression. Shahrokh F. Shariat, Dolores J. Lamb, Radha G. Iyengar, Claus G. Roehrborn, and Kevin M. Slawin.....	607
Vascular Endothelial Growth Factor Genotypes, Haplotypes, Gender, and the Risk of Non-Small Cell Lung Cancer. Rihong Zhai, Geoffrey Liu, Wei Zhou, Li Su, Rebecca Suk Heist, Thomas J. Lynch, John C. Wain, Kofi Asomaning, Xihong Lin, and David C. Christiani.....	612

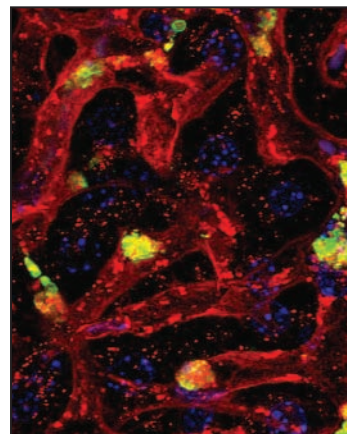
Letters to the Editor

Are Triple-Negative and Basal-Like Breast Cancer Synonymous? Emad Rakha, Ian Ellis, and Jorge Reis-Filho618

In Response. Steven Narod, Rebecca Dent, and Wedad Hanna618

About the Cover

An enzyme/prodrug strategy incorporating multi-modal real-time imaging of prodrug enzyme delivery and clearance was designed to optimally time prodrug administration and limit systemic drug toxicity. Tracking fluorescently labeled bacterial cytosine deaminase (*red*) uptake by liver Kupffer cells (*green*), where co-localization is in yellow, exemplifies one imaging modality of this multimodal imaging approach. For further details, please see Li and colleagues on page 515 in this issue.



Clinical Cancer Research

14 (2)

Clin Cancer Res 2008;14:337-618.

Updated version Access the most recent version of this article at:
<http://clincancerres.aacrjournals.org/content/14/2>

E-mail alerts [Sign up to receive free email-alerts](#) related to this article or journal.

Reprints and Subscriptions To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.

Permissions To request permission to re-use all or part of this article, use this link <http://clincancerres.aacrjournals.org/content/14/2>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.