

CCR Translations

- Does Loss of CD151 Expression Promote the Metastasis of Hypoxic Colon Cancer Cells?**
□□ *Commentary on Chien et al., p. 8043*
Gregg L. Semenza.....7969

CCR Practice of Translational Oncology

- Toward a Cure For Chronic Myeloid Leukemia.** Thomas O'Hare and Michael W. Deininger7971

Molecular Pathways

- Translating an Antagonist of Chemokine Receptor CXCR4: From Bench to Bedside.**
Donald Wong and Walter Korz.....7975
- High Shed Antigen Levels within Tumors: An Additional Barrier to Immunoconjugate Therapy.** Yujian Zhang and Ira Pastan.....7981

CCR Special Focus

- From the Editor.** Susan E. Bates7987
- Advances in Breast Cancer: Pathways to Personalized Medicine.** Olufunmilayo I. Olopade, Tatyana A. Grushko, Rita Nanda, and Dezheng Huo.....7988
- Genetic Susceptibility Loci for Breast Cancer by Estrogen Receptor Status.**
Montserrat Garcia-Closas and Stephen Chanock.....8000
- Triple-Negative Breast Cancer: Risk Factors to Potential Targets.** Bryan P. Schneider, Eric P. Winer, William D. Foulkes, Judy Garber, Charles M. Perou, Andrea Richardson, George W. Sledge, and Lisa A. Carey.....8010
- Emerging Biomarkers and New Understanding of Traditional Markers in Personalized Therapy for Breast Cancer.** Mitch Dowsett and Anita K. Dunbier8019
- Pharmacogenetics in Breast Cancer Therapy.** Sing-Huang Tan, Soo-Chin Lee, Boon-Cher Goh, and John Wong8027

Human Cancer Biology

- Regulation of CD151 by Hypoxia Controls Cell Adhesion and Metastasis in Colorectal Cancer.** Chun-Wei Chien, Shih-Chieh Lin, Yen-Yu Lai, Bo-Wen Lin, Shao-Chieh Lin, Jenq-Chang Lee, and Shaw-Jenq Tsai8043
- Neuropilin-2–Mediated Tumor Growth and Angiogenesis in Pancreatic Adenocarcinoma.** Nikolaos A. Dallas, Michael J. Gray, Ling Xia, Fan Fan, George van Buren II, Puja Gaur, Shaija Samuel, Sherry J. Lim, Thiruvengadam Arumugam, Vijaya Ramachandran, Huamin Wang, and Lee M. Ellis8052
- DNA Copy-Number Alterations Underlie Gene Expression Differences between Microsatellite Stable and Unstable Colorectal Cancers.** Robert N. Jorissen, Lara Lipton, Peter Gibbs, Matthew Chapman, Jayesh Desai, Ian T. Jones, Timothy J. Yeatman, Philip East, Ian P.M. Tomlinson, Hein W. Verspaget, Lauri A. Aaltonen, Mogens Kruhøffer, Torben F. Ørntoft, Claus Lindbjerg Andersen, and Oliver M. Sieber8061
- Cytosolic Phospholipase A₂-α: A Potential Therapeutic Target for Prostate Cancer.** Manish I. Patel, Jaskirat Singh, Marzieh Niknami, Caroline Kurek, Mu Yao, Sasa Lu, Fiona Maclean, Nicholas J.C. King, Michael H. Gelb, Kieran F. Scott, Pamela J. Russell, John Boulas, and Qihan Dong.....8070
- miR-192 Regulates Dihydrofolate Reductase and Cellular Proliferation through the p53-microRNA Circuit.** Bo Song, Yuan Wang, Kenji Kudo, Elaine J. Gavin, Yaguang Xi, and Jingfang Ju.....8080

Evidence for Polyclonal Origin of Multifocal Clear Cell Renal Cell Carcinoma. Liang Cheng, Gregory T. MacLennan, Shaobo Zhang, Mingsheng Wang, Ming Zhou, Puay-Hoon Tan, Stephanie Foster, Antonio Lopez-Beltran, and Rodolfo Montironi8087

Cancer Therapy: Preclinical

Inhibition of Mammalian Target of Rapamycin by Rapamycin Causes the Regression of Carcinogen-Induced Skin Tumor Lesions. Panomwat Amornphimoltham, Kantima Leelahavanichkul, Alfredo Molinolo, Vyomesh Patel, and J. Silvio Gutkind8094

The Novel Nuclear Factor- κ B Inhibitor LC-1 Is Equipotent in Poor Prognostic Subsets of Chronic Lymphocytic Leukemia and Shows Strong Synergy with Fludarabine. Saman Hewamana, Thet Thet Lin, Chris Jenkins, Alan K. Burnett, Craig T. Jordan, Chris Fegan, Paul Brennan, Clare Rowntree, and Chris Pepper8102

Second-Generation Anti-Carcinoembryonic Antigen Designer T Cells Resist Activation-Induced Cell Death, Proliferate on Tumor Contact, Secrete Cytokines, and Exhibit Superior Antitumor Activity *In vivo*: A Preclinical Evaluation. Peter C.R. Emtage, Agnes S.Y. Lo, Erica M. Gomes, David L. Liu, Rosa M. Gonzalo-Daganzo, and Richard P. Junghans8112

Synergistic Antitumor Activity of Ixabepilone (BMS-247550) Plus Bevacizumab in Multiple *In vivo* Tumor Models. Francis Y.F. Lee, Kelly L. Covello, Stephen Castaneda, Donald R. Hawken, David Kan, Anne Lewin, Mei-Li Wen, Rolf-Peter Ryseck, Craig R. Fairchild, Joseph Fagnoli, and Robert Kramer8123

Induction of Noxa Sensitizes Human Colorectal Cancer Cells Expressing Mcl-1 to the Small-Molecule Bcl-2/Bcl-x_L Inhibitor, ABT-737. Kenji Okumura, Shengbing Huang, and Frank A. Sinicrope8132

Nuclear Factor- κ B p65/relA Silencing Induces Apoptosis and Increases Gemcitabine Effectiveness in a Subset of Pancreatic Cancer Cells. Xue Pan, Thiruvengadam Arumugam, Tameyoshi Yamamoto, Pavel A. Levin, Vijaya Ramachandran, Baoan Ji, Gabriel Lopez-Berestein, Pablo E. Vivas-Mejia, Anil K. Sood, David J. McConkey, and Craig D. Logsdon8143

Impact of Abcc2 (Mrp2) and Abcc3 (Mrp3) on the *In vivo* Elimination of Methotrexate and its Main Toxic Metabolite 7-hydroxymethotrexate. Maria L.H. Vlaming, Zeliha Pala, Anita van Esch, Els Wagenaar, Olaf van Tellingem, Dirk R. de Waart, Ronald P.J. Oude Elferink, Koen van de Wetering, and Alfred H. Schinkel8152

Design of Folate-Linked Liposomal Doxorubicin to its Antitumor Effect in Mice. Atsushi Yamada, Yukimi Taniguchi, Kumi Kawano, Takashi Honda, Yoshiyuki Hattori, and Yoshie Maitani8161

Inhibition of Melanoma Growth by Targeting of Antigen to Dendritic Cells via an Anti-DEC-205 Single-Chain Fragment Variable Molecule. Theron S. Johnson, Karsten Mahnke, Volker Storn, Kurt Schönfeld, Sabine Ring, Dirk M. Nettelbeck, Hidde J. Haisma, Fabrice Le Gall, Roland E. Kontermann, and Alexander H. Enk8169

Reduction of Human Melanoma Tumor Growth in Severe Combined Immunodeficient Mice by Passive Transfer of Antibodies Induced by a High Molecular Weight Melanoma-Associated Antigen Mimotope Vaccine. Stefan Wagner, Clemens Krepler, Dorothee Allwardt, Julia Latzka, Sabine Strommer, Otto Scheiner, Hubert Pehamberger, Ursula Wiedermann, Christine Hafner, and Heimo Breiteneder8178

Imaging, Diagnosis, Prognosis

Early Tumor Drug Pharmacokinetics Is Influenced by Tumor Perfusion but not Plasma Drug Exposure. Azeem Saleem and Pat M. Price8184

A Synovial Sarcoma-Specific Preoperative Nomogram Supports a Survival Benefit to Ifosfamide-Based Chemotherapy and Improves Risk Stratification for Patients. Robert J. Canter, Li-Xuan Qin, Robert G. Maki, Murray F. Brennan, Marc Ladanyi, and Samuel Singer8191

Allelic Imbalance Analysis Using a Single-Nucleotide Polymorphism Microarray for the Detection of Bladder Cancer Recurrence. Marieke J.H. Coenen, Martine Ploeg, Mascha M.V.A.P. Schijvenaars, Erik B. Cornel, Herbert F.M. Karthaus, Hans Scheffer, J. Alfred Witjes, Barbara Franke, and Lambertus A.L.M. Kiemeny8198

Cancer Stem Cell Analysis and Clinical Outcome in Patients with Glioblastoma Multiforme. Roberto Pallini, Lucia Ricci-Vitiani, Giuseppe Luigi Banna, Michele Signore, Dario Lombardi, Matilde Todaro, Giorgio Stassi, Maurizio Martini, Giulio Maira, Luigi Maria Larocca, and Ruggero De Maria.....	8205
Confirmation of Gene Expression–Based Prediction of Survival in Non–Small Cell Lung Cancer. Nancy L. Guo, Ying-Wooi Wan, Kursad Tosun, Hong Lin, Zola Msiska, Daniel C. Flynn, Scot C. Remick, Val Vallyathan, Afshin Dowlati, Xianglin Shi, Vincent Castranova, David G. Beer, and Yong Qian.....	8213
Cyclooxygenase-2 Expression Is an Independent Predictor of Poor Prognosis in Colon Cancer. Shuji Ogino, Gregory J. Kirkner, Katsuhiko Nosho, Natsumi Irahara, Shoko Kure, Kaori Shima, Aditi Hazra, Andrew T. Chan, Reiko Dehari, Edward L. Giovannucci, and Charles S. Fuchs.....	8221
The Incidence, Correlation with Tumor-Infiltrating Inflammation, and Prognosis of Phosphorylated STAT3 Expression in Human Gliomas. Mohamed Abou-Ghazal, David S. Yang, Wei Qiao, Chantal Reina-Ortiz, Jun Wei, Ling-Yuan Kong, Gregory N. Fuller, Nobuyoshi Hiraoka, Waldemar Priebe, Raymond Sawaya, and Amy B. Heimberger.....	8228
Identification of PMF1 Methylation in Association with Bladder Cancer Progression. Ainel Aleman, Virginia Cebrian, Miguel Alvarez, Virginia Lopez, Esteban Orenes, Lidia Lopez-Serra, Ferran Algaba, Joaquin Bellmunt, Antonio López-Beltrán, Pilar Gonzalez-Peramato, Carlos Cordon-Cardo, Javier García, Javier García del Muro, Manel Esteller, and Marta Sánchez-Carbayo.....	8236
Molecular Grading of Ductal Carcinoma <i>In situ</i> of the Breast. Rosemary L. Balleine, Lucy R. Webster, Sean Davis, Elizabeth L. Salisbury, Juan P. Palazzo, Gordon F. Schwartz, Dennis B. Cornfield, Robert L. Walker, Karen Byth, Christine L. Clarke, and Paul S. Meltzer.....	8244
Angiogenic Switch of Angiotensin-Tie2 System and Its Prognostic Value in Bladder Cancer. Tibor Szarvas, Tobias Jäger, Martin Tötsch, Frank Vom Dorp, Carsten Kempkensteffen, Ilona Kovalszky, Imre Romics, Süleyman Ergün, and Herbert Rübber.....	8253

Cancer Therapy: Clinical

Plasma Insulin-like Growth Factors, Insulin-like Binding Protein-3, and Outcome in Metastatic Colorectal Cancer: Results from Intergroup Trial N9741. Charles S. Fuchs, Richard M. Goldberg, Daniel J. Sargent, Jeffrey A. Meyerhardt, Brian M. Wolpin, Erin M. Green, Henry C. Pitot, and Michael Pollak.....	8263
Reversal of Myeloid Cell–Mediated Immunosuppression in Patients with Metastatic Renal Cell Carcinoma. Sergei Kusmartsev, Zhen Su, Axel Heiser, Jens Dannull, Evgeniy Eruslanov, Hubert Kübler, Donna Yancey, Philip Dahm, and Johannes Vieweg.....	8270
Protein Expression Profiling in Esophageal Adenocarcinoma Patients Indicates Association of Heat-Shock Protein 27 Expression and Chemotherapy Response. Rupert Langer, Katja Ott, Katja Specht, Karen Becker, Florian Lordick, Maria Burian, Ken Herrmann, Andre Schrattenholz, Michael A. Cahill, Markus Schwaiger, Heinz Hofler, and Hans-Jürgen Wester.....	8279
A Phase I and Pharmacokinetic Study of Ixabepilone in Combination with Carboplatin in Patients with Advanced Solid Malignancies. Ruth Plummer, Penella Woll, David Fyfe, Alan V. Boddy, Melanie Griffin, Paula Hewitt, James Carmichael, Fouad Namouni, Marvin Cohen, and Mark Verrill.....	8288
A Phase I Study of the Pan Bcl-2 Family Inhibitor Obatoclox Mesylate in Patients with Advanced Hematologic Malignancies. Aaron D. Schimmer, Susan O'Brien, Hagop Kantarjian, Joseph Brandwein, Bruce D. Cheson, Mark D. Minden, Karen Yee, Farhad Ravandi, Francis Giles, Andre Schuh, Vikas Gupta, Michael Andreeff, Charles Koller, Hong Chang, Suzanne Kamel-Reid, Mark Berger, Jean Viallet, and Gautam Borthakur.....	8295
Phase II Trial of 17-Allylamino-17-Demethoxygeldanamycin in Patients with Metastatic Melanoma. David B. Solit, Iman Osman, David Polsky, Katherine S. Panageas, Adil Daud, James S. Goydos, Jerrold Teitcher, Jedd D. Wolchok, F. Joseph Germino, Susan E. Krown, Daniel Coit, Neal Rosen, and Paul B. Chapman.....	8302

Effect of Cigarette Smoking on Imatinib in Patients in the Soft Tissue and Bone Sarcoma Group of the EORTC. Nielka van Erp, Hans Gelderblom, Martine van Glabbeke, Allan Van Oosterom, Jaap Verweij, Henk-Jan Guchelaar, Maria Debiec-Rychter, Bin Peng, Jean-Yves Blay, and Ian Judson	8308
--	------

Effects of High-Dose IFNα2b on Regional Lymph Node Metastases of Human Melanoma: Modulation of STAT5, FOXP3, and IL-17. Wenjun Wang, Howard D. Edington, Uma N.M. Rao, Drazen M. Jukic, Arash Radfar, Hong Wang, and John M. Kirkwood	8314
--	------

Letters to the Editor

Clinical Characterization Might Help in Preventing Osteonecrosis of the Jaw. Athanasios Kyrgidis and Charalambos Andreadis.....	8321
--	------

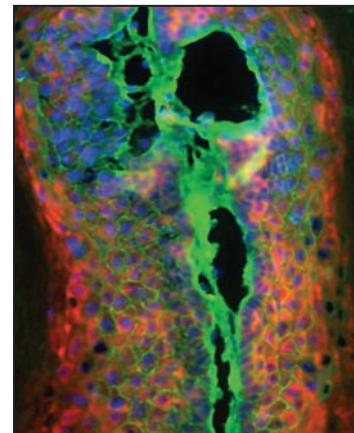
Reply to the Letter to the Editor from Noopur Raje and Kenneth C. Anderson.....	8321
--	------

Acknowledgment to Reviewers

Acknowledgment to Reviewers	8323
--	------

About the Cover

mTOR inhibition by rapamycin causes tumor regression in a chemically induced squamous cell carcinoma model. Shown here is the immunodetection of phosphorylated ribosomal S6 protein (pS6, red) and E-cadherin (green) labeling the tumor cells in an early squamous tumoral lesion arising in the skin of mice treated with DMBA followed by TPA (nuclei are stained with DAPI, blue). Immunofluorescent staining of pS6 reflects the widespread activation of mTOR in this chemically-induced skin cancer lesion. For further details, please see Amornphimoltham and coworkers on page 8094 in this issue.



Clinical Cancer Research

14 (24)

Clin Cancer Res 2008;14:7969-8334.

Updated version Access the most recent version of this article at:
<http://clincancerres.aacrjournals.org/content/14/24>

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/14/24>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.