

Molecular Pathways

Targeting Ras in Myeloid Leukemias. Benjamin S. Braun and Kevin Shannon2249

Human Cancer Biology

Epidermal Growth Factor Receptor Controls Flat Dysplastic Aberrant Crypt Foci Development and Colon Cancer Progression in the Rat Azoxymethane Model. Urszula Dougherty, Amikar Sehdev, Sonia Cerda, Reba Mustafi, Nathaniel Little, Weihua Yuan, Sujatha Jagadeeswaran, Anusara Chumsangsri, Jorge Delgado, Maria Tretiakova, Loren Joseph, John Hart, Ezra E.W. Cohen, Lata Aluri, Alessandro Fichera, and Marc Bissonnette2253

Endometrial Glandular Dysplasia with Frequent p53 Gene Mutation: A Genetic Evidence Supporting Its Precancer Nature for Endometrial Serous Carcinoma. Lin Jia, Yongjuan Liu, Xiaofang Yi, Alexander Miron, Christopher P. Crum, Beihua Kong, and Wenxin Zheng2263

Loss of Complex I due to Mitochondrial DNA Mutations in Renal Oncocytoma. Johannes A. Mayr, David Meierhofer, Franz Zimmermann, Rene Feichtinger, Christian Kögler, Manfred Ratschek, Nikolaus Schmeller, Wolfgang Sperl, and Barbara Kofler2270

Disrupted Expression of CXCL5 in Colorectal Cancer Is Associated with Rapid Tumor Formation in Rats and Poor Prognosis in Patients. Frank M. Speetjens, Peter J.K. Kuppen, Maro H. Sandel, Anand G. Menon, Danny Burg, Cornelis J.H. van de Velde, Rob A.E.M. Tollenaar, Hans J.G.M. de Bont, and J. Fred Nagelkerke2276

KIT Mutations Induce Intracellular Retention and Activation of an Immature Form of the KIT Protein in Gastrointestinal Stromal Tumors. Séverine Tabone-Eglinger, Frédéric Subra, Hiba El Sayadi, Laurent Alberti, Eric Tabone, Jean-Philippe Michot, Nathalie Théou-Anton, Antoinette Lemoine, Jean-Yves Blay, and Jean-François Emile2285

Imaging, Diagnosis, Prognosis

Escherichia coli Nissle 1917 Facilitates Tumor Detection by Positron Emission Tomography and Optical Imaging. Peter Brader, Jochen Stritzker, Christopher C. Riedl, Pat Zanzonico, Shangde Cai, Eva M. Burnazi, E. Rashid Ghani, Hedvig Hricak, Aladar A. Szalay, Yuman Fong, and Ronald Blasberg2295

Ornithine Decarboxylase G316A Genotype Is Prognostic for Colorectal Adenoma Recurrence and Predicts Efficacy of Aspirin Chemoprevention. Richard A. Hubner, Kenneth R. Muir, Jo-Fen Liu, Richard F.A. Logan, Matthew J. Grainge, Richard S. Houlston, and the Members of the UKCAP Consortium2303

Inverse Correlation between Tumoral Indoleamine 2,3-Dioxygenase Expression and Tumor-Infiltrating Lymphocytes in Endometrial Cancer: Its Association with Disease Progression and Survival. Kazuhiko Ino, Eiko Yamamoto, Kiyosumi Shibata, Hiroaki Kajiyama, Norio Yoshida, Mikio Terauchi, Akihiro Nawa, Tetsuro Nagasaka, Osamu Takikawa, and Fumitaka Kikkawa2310

Increased Expression of Id Family Proteins in Small Cell Lung Cancer and its Prognostic Significance. Laleh Kamalian, John R. Gosney, Shiva S. Forootan, Christopher S. Foster, Zheng Z. Bao, Carol Beesley, and Youqiang Ke2318

Up-Regulation of Peroxiredoxin 1 in Lung Cancer and Its Implication as a Prognostic and Therapeutic Target. Joo-Heon Kim, Paul N. Bogner, Sun-Hee Baek, Nithya Ramnath, Ping Liang, Hak-Ryul Kim, Chris Andrews, and Young-Mee Park2326

Clinical Significance of High Mobility Group A2 in Human Gastric Cancer and Its Relationship to let-7 MicroRNA Family. Kazuo Motoyama, Hiroshi Inoue, Yoshito Nakamura, Hiroyuki Uetake, Kenichi Sugihara, and Masaki Mori2334

Vascularization in Primary Breast Carcinomas: Its Prognostic Significance and Relationship with Tumor Cell Dissemination. Hari Prasad Dhakal, Bjørn Naume, Marit Synnøstvedt, Elin Borgen, Rolf Kaaresen, Ellen Schlichting, Gro Wiedswang, Assia Bassarova, Karl-Erik Giercksky, and Jahn M. Nesland	2341
Amphiregulin Is a Promising Prognostic Marker for Liver Metastases of Colorectal Cancer. Michiyo Yamada, Yasushi Ichikawa, Shigeru Yamagishi, Nobuyoshi Momiyama, Mitsuyoshi Ota, Syoichi Fujii, Kuniya Tanaka, Shinji Togo, Shigeo Ohki, and Hiroshi Shimada	2351
The Use of Magnetic Resonance Imaging to Noninvasively Detect Genetic Signatures in Oligodendroglioma. Robert Brown, Magdalena Zlatescu, Angélique Sijben, Gloria Roldan, Jay Easaw, Peter Forsyth, Ian Parney, Robert Sevick, Elizabeth Yan, Douglas Demetrick, David Schiff, Gregory Cairncross, and Ross Mitchell	2357
Activation of Placenta-Specific Transcription Factor <i>Distal-less</i> Homeobox 5 Predicts Clinical Outcome in Primary Lung Cancer Patients. Tatsuya Kato, Nagato Sato, Atsushi Takano, Masaki Miyamoto, Hitoshi Nishimura, Eiju Tsuchiya, Satoshi Kondo, Yusuke Nakamura, and Yataro Daigo	2363
A Genotype-Phenotype Examination of Cyclin D1 on Risk and Outcome of Squamous Cell Carcinoma of the Head and Neck. Carmen J. Marsit, Candice C. Black, Marshall R. Posner, and Karl T. Kelsey	2371
Urinary Biomarkers Predict Brain Tumor Presence and Response to Therapy. Edward R. Smith, David Zurakowski, Ali Saad, R. Michael Scott, and Marsha A. Moses	2378
Clinical, Radiographic, and Biochemical Characterization of Multiple Myeloma Patients with Osteonecrosis of the Jaw. Noopur Raje, Sook-Bin Woo, Karen Hande, Jeffrey T. Yap, Paul G. Richardson, Sonia Vallet, Nathaniel Treister, Teru Hideshima, Niall Sheehy, Shweta Chhetri, Brendan Connell, Wanling Xie, Yu-Tzu Tai, Agnieszka Szot-Barnes, Mei Tian, Robert L. Schlossman, Edie Weller, Nikhil C. Munshi, Annick D. Van Den Abbeele, and Kenneth C. Anderson	2387
Understanding the Biological Basis of Autofluorescence Imaging for Oral Cancer Detection: High-Resolution Fluorescence Microscopy in Viable Tissue. Ina Pavlova, Michelle Williams, Adel El-Naggar, Rebecca Richards-Kortum, and Ann Gillenwater	2396

Cancer Therapy: Clinical

Prediction of Broad Spectrum Resistance of Tumors towards Anticancer Drugs. Thomas Efferth, V. Badireenath Konkimalla, Yi-Fen Wang, Axel Sauerbrey, Silke Meinhardt, Felix Zintl, Jürgen Mattern, and Manfred Volm	2405
Pathologic Complete Response to Neoadjuvant Chemotherapy of Breast Carcinoma Is Associated with the Disappearance of Tumor-Infiltrating Foxp3⁺ Regulatory T Cells. Sylvain Ladoire, Laurent Arnould, Lionel Apetoh, Bruno Coudert, François Martin, Bruno Chauffert, Pierre Fumoleau, and François Ghiringhelli	2413
Effects of a Topically Applied Bioadhesive Berry Gel on Loss of Heterozygosity Indices in Premalignant Oral Lesions. Brian S. Shumway, Laura A. Kresty, Peter E. Larsen, Jared C. Zwick, Bo Lu, Henry W. Fields, Russell J. Mumper, Gary D. Stoner, and Susan R. Mallery	2421
Sunitinib for Treatment of Advanced Renal Cell Cancer: Primary Tumor Response. Astrid A.M. van der Veldt, Martijn R. Meijerink, Alfons J.M. van den Eertwegh, Axel Bex, Gijsbert de Gast, John B.A.G. Haanen, and Epie Boven	2431
Randomized, Double-Blinded Phase II Evaluation of Docetaxel with or without Doxercaliferol in Patients with Metastatic, Androgen-Independent Prostate Cancer. Steven Attia, Jens Eickhoff, George Wilding, Douglas McNeel, Jules Blank, Harish Ahuja, Alcee Jumonville, Michael Eastman, Daniel Shevrin, Michael Glode, Dona Alberti, Mary Jane Staab, Dottie Horvath, Jane Straus, Rebecca Marnocha, and Glenn Liu	2437

A Phase I Biological Study of MG98, an Oligodeoxynucleotide Antisense to DNA Methyltransferase 1, in Patients with High-Risk Myelodysplasia and Acute Myeloid Leukemia. Rebecca B. Klisovic, Wendy Stock, Spero Cataland, Marko I. Klisovic, Shujun Liu, William Blum, Margaret Green, Olatoyosi Odenike, Lucy Godley, Jennifer Vanden Burgt, Emily Van Laar, Michael Cullen, A. Robert Macleod, Jeffrey M. Besterman, Gregory K. Reid, John C. Byrd, and Guido Marcucci	2444
--	------

Cancer Therapy: Preclinical

Treatment of Cancer with a Novel Dual-Targeted Conditionally Replicative Adenovirus Armed with <i>mda-7/IL-24</i> Gene. Jingjing Luo, Qingmei Xia, Rui Zhang, Chen Lv, Wei Zhang, Yingxin Wang, Qiang Cui, Li Liu, Rong Cai, and Cheng Qian.....	2450
Inhibiting Fatty Acid Synthase for Chemoprevention of Chemically Induced Lung Tumors. Hajime Orita, Jonathan Coulter, Ellen Tully, Francis P. Kuhajda, and Edward Gabrielson	2458
EXEL-7647 Inhibits Mutant Forms of ErbB2 Associated with Lapatinib Resistance and Neoplastic Transformation. Torsten Trowe, Sotiria Boukouvala, Keith Calkins, Richard E. Cutler, Jr., Ryan Fong, Roel Funke, Steven B. Gendreau, Yong D. Kim, Nicole Miller, John R. Woolfrey, Valentina Vysotskaia, Jing Ping Yang, Mary E. Gerritsen, David J. Matthews, Peter Lamb, and Timothy S. Heuer	2465
Therapeutic Significance of Elevated Tissue Transglutaminase Expression in Pancreatic Cancer. Amit Verma, Sushovan Guha, Parmeswaran Diagaradjane, Ajaikumar B. Kunnnumakkara, Angela M. Sanguino, Gabriel Lopez-Berestein, Anil K. Sood, Bharat B. Aggarwal, Sunil Krishnan, Juri G. Gelovani, and Kapil Mehta	2476
Profound Inhibition of Antigen-Specific T-Cell Effector Functions by Dasatinib. Ralf Weichsel, Carolin Dix, Linda Wooldridge, Matthew Clement, Angharad Fenton-May, Andrew K. Sewell, Josef Zezula, Elisabeth Greiner, Emma Gostick, David A. Price, Hermann Einsele, and Ruth Seggewiss.....	2484
Noninvasive Imaging of Apoptosis and Its Application in Cancer Therapeutics. Julia M. Coppola, Brian D. Ross, and Alnawaz Rehemtulla	2492
Dopamine Increases the Efficacy of Anticancer Drugs in Breast and Colon Cancer Preclinical Models. Chandrani Sarkar, Debanjan Chakroborty, Uttio Roy Chowdhury, Partha Sarathi Dasgupta, and Sujit Basu	2502

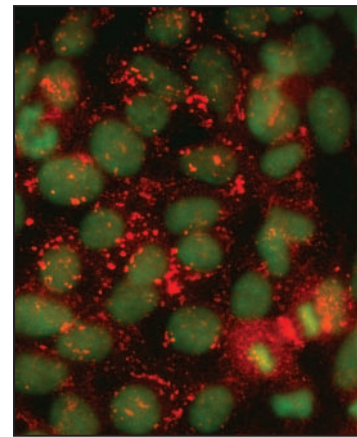
Letters to the Editor

Computed Tomography Screening for Lung Cancer. Peter Bach	2511
Deaths among Patients with Screen-Detected Lung Cancer. Gerard A. Silvestri	2511
Reply to the Letters to the Editor from Bach and Silvestri. Claudia I. Henschke.....	2511
Biomarkers In Early Clinical Trials: the Committed and the Skeptics. Udai Banerji, Johann de Bono, Ian Judson, Stanley Kaye, and Paul Workman.....	2512
Reply to the Letter to the Editor from Banerji et al. Bernardo Goulart, Thomas G. Roberts, Jeffrey Clark, and Bruce A. Chabner	2513
Reply to the Letter to the Editor from Banerji et al. Mark J. Ratain and Robert H. Glassman	2514
T-Cell Response in B-Cell Lymphomas: Favorable or Unfavorable? Joost J. Oudejans, Jettie J.F. Muris, Saskia A.G.M. Cillessen, and Chris J.L.M. Meijer.....	2514
Reply to the Letter to the Editor from Oudejans et al. Kung-Chao Chang and Dan Jones	2515

Survival in Microsatellite-Unstable Colorectal Cancer. Toshiaki Watanabe, Yoko Yamamoto, Hideki Yamada, Tamuro Hayama, Yoshiko Aoyagi, Keisuke Nakamura, Hajime Shibuya, and Takashi Kobunai	2516
Reply to the Letter to the Editor from Watanabe et al. Alberto Malesci, Luigi Laghi, and Paolo Bianchi	2516
Population Pharmacokinetic/Pharmacodynamic Modeling of Paclitaxel and Carboplatin in Ovarian Cancer. Merrill J. Egorin.....	2517
Reply to the Letter to the Editor from Egorin. Markus Joerger and Jan H.N. Schelleus.....	2517

About the Cover

CXCL5 expression (*red*) in the rat colon cancer cell line CC531S (nuclei, *green*). Low level of CXCL5 expression is associated with aggressive tumor growth in a rat model and predicts decreased survival rates in patients treated with surgery for colorectal cancer. A positive correlation between levels of CXCL5 and intratumoral CD8⁺ T-cell infiltration in colon cancer suggests that CXCL5 is involved in the migration of immune cells into the tumor and might be implicated in the antitumor immune response. For further details, please see Speetjens and coworkers on page 2276 in this issue.



Clinical Cancer Research

14 (8)

Clin Cancer Res 2008;14:2249-2517.

Updated version Access the most recent version of this article at:
<http://clincancerres.aacrjournals.org/content/14/8>

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/14/8>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.