

Highlights of This Issue 5831

SPECIAL FEATURES

Editorial

- 5833 | **Gauging Progress in a Decades-Old Fight**
Jesse Potash and Kenneth C. Anderson

CCR Translations

- 5834 | **Model T Muscle CARs Can Treat Brain Tumors**
Laura A. Johnson
See article p. 5949

CCR New Strategies

- 5837 | **New Strategies in Sarcoma Therapy: Linking Biology and Novel Agents**
Katherine A. Janeway and Robert G. Maki

CCR Perspectives in Drug Approval

- 5845 | **U.S. Food and Drug Administration Approval Summary: Brentuximab Vedotin for the Treatment of Relapsed Hodgkin Lymphoma or Relapsed Systemic Anaplastic Large-Cell Lymphoma**
R. Angelo de Claro, Karen McGinn, Virginia Kwitkowski, Julie Bullock, Aakanksha Khandelwal, Bahru Habtemariam, Yanli Ouyang, Haleh Saber, Kyung Lee, Kallappa Koti, Mark Rothmann, Marjorie Shapiro, Francisco Borrego, Kathleen Clouse, Xiao Hong Chen, Janice Brown, Lara Akinsanya, Robert Kane, Edvardas Kaminskas, Ann Farrell, and Richard Pazdur

Molecular Pathways

- 5850 | **Molecular Pathways: Tumor Cells Co-opt the Brain-Specific Metabolism Gene *CPT1C* to Promote Survival**
Patrick T. Reilly and Tak W. Mak

Review

- 5856 | **The PI3K/AKT/mTOR Pathway as a Therapeutic Target in Endometrial Cancer**
Brian M. Slomovitz and Robert L. Coleman

HUMAN CANCER BIOLOGY

- 5865 | **Novel Tumor Subgroups of Urothelial Carcinoma of the Bladder Defined by Integrated Genomic Analysis**
Carolyn D. Hurst, Fiona M. Platt, Claire F. Taylor, and Margaret A. Knowles
- 5878 | **Functional, Genetic, and Epigenetic Aspects of Base and Nucleotide Excision Repair in Colorectal Carcinomas**
Jana Slysokova, Vlasta Korenkova, Andrew R. Collins, Pavel Prochazka, Ludmila Vodickova, Jiri Svec, Ludmila Lipska, Miroslav Levy, Michaela Schneiderova, Vaclav Liska, Lubos Holubec, Rajiv Kumar, Pavel Soucek, Alessio Naccarati, and Pavel Vodicka
- 5888 | **Serum Glutamate Levels Correlate with Gleason Score and Glutamate Blockade Decreases Proliferation, Migration, and Invasion and Induces Apoptosis in Prostate Cancer Cells**
Shahriar Koochekpour, Sunipa Majumdar, Gissou Azabdaftari, Kristopher Attwood, Ray Scioneaux, Dhatchayini Subramani, Charles Manhardt, Giovanni D. Lorusso, Stacey S. Willard, Hillary Thompson, Mojgan Shourideh, Katayoon Rezaei, Oliver Sartor, James L. Mohler, and Robert L. Vessella
- 5902 | **Expression of Serotonin Receptors in Human Hepatocellular Cancer**
Christopher Soll, Marc-Oliver Riener, Christian Eugen Oberkofler, Claus Hellerbrand, Peter J. Wild, Michelle L. DeOliveira, and Pierre-Alain Clavien

CANCER THERAPY: PRECLINICAL

- 5911 **Src Inhibition with Saracatinib Reverses Fulvestrant Resistance in ER-Positive Ovarian Cancer Models *In Vitro* and *In Vivo***
Fiona Simpkins, Pedro Hevia-Paez, Jun Sun, Wendy Ullmer, Candace A. Gilbert, Thiago da Silva, Ali Pedram, Ellis R. Levin, Isildinha M. Reis, Brian Rabinovich, Diana Azzam, Xiang-Xi Xu, Tan A. Ince, Ji-Yeon Yang, Roel G.W. Verhaak, Yiling Lu, Gordon B. Mills, and Joyce M. Slingerland
- 5924 **Differential Gene Expression Profile Associated to Apoptosis Induced by Dexamethasone in CLL Cells According to IGHV/ZAP-70 Status**
Maria Joao Baptista, Ana Muntañola, Eva Calpe, Pau Abrisqueta, Olga Salamero, Eva Fernández, Carles Codony, Eva Giné, Susana G. Kalko, Marta Crespo, and Francesc Bosch
- 5934 **Stichoposide C Induces Apoptosis through the Generation of Ceramide in Leukemia and Colorectal Cancer Cells and Shows *In Vivo* Antitumor Activity**
Seong-Hoon Yun, Eun-Seon Park, Sung-Won Shin, Yong-Woo Na, Jin-Yeong Han, Jin-Sook Jeong, Valeria V. Shastina, Valentin A. Stonik, Joo-In Park, and Jong-Young Kwak
- 5949 **Suppression of Human Glioma Xenografts with Second-Generation IL13R-Specific Chimeric Antigen Receptor-Modified T Cells**
Seogkyoung Kong, Sadhak Sengupta, Betty Tyler, Anthony J. Bais, Qiangzhong Ma, Saryn Doucette, Jinyuan Zhou, Ayguen Sahin, Bob S. Carter, Henry Brem, Richard P. Junghans, and Prakash Sampath
See commentary p. 5834
- 5961 **FoxM1 Inhibition Sensitizes Resistant Glioblastoma Cells to Temozolomide by Downregulating the Expression of DNA-Repair Gene *Rad51***
Nu Zhang, Xinjian Wu, Lixuan Yang, Feizhe Xiao, Heng Zhang, Aidong Zhou, Zhengsong Huang, and Suyun Huang

IMAGING, DIAGNOSIS, PROGNOSIS

- 5972 **Circulating miRNAs as Surrogate Markers for Circulating Tumor Cells and Prognostic Markers in Metastatic Breast Cancer**
Dharanija Madhavan, Manuela Zucknick, Markus Wallwiener, Katarina Cuk, Caroline Modugno, Martina Scharpff, Sarah Schott, Jörg Heil, Andrey Turchinovich, Rongxi Yang, Axel Benner, Sabine Riethdorf, Andreas Trumpp, Christof Sohn, Klaus Pantel, Andreas Schneeweiss, and Barbara Burwinkel
- 5983 **Predictors of Survival in Never-Smokers with Non-Small Cell Lung Cancer: A Large-Scale, Two-Phase Genetic Study**
Xia Pu, Yuanqing Ye, Margaret R. Spitz, Liang Wang, Jian Gu, Scott M. Lippman, Michelle A.T. Hildebrandt, Waun Ki Hong, John D. Minna, Jack A. Roth, Ping Yang, and Xifeng Wu
- 5992 **Impact of Expression of Human Epidermal Growth Factor Receptors EGFR and ERBB2 on Survival in Stage II/III Gastric Cancer**
Masanori Terashima, Koji Kitada, Atsushi Ochiai, Wataru Ichikawa, Issei Kurahashi, Shinichi Sakuramoto, Hitoshi Katai, Takeshi Sano, Hiroshi Imamura, and Mitsuru Sasako; for the ACTS-GC Group
- 6001 **ColoGuidePro: A Prognostic 7-Gene Expression Signature for Stage III Colorectal Cancer Patients**
Anita Sveen, Trude H. Ågesen, Arild Nesbakken, Gunn Iren Meling, Torleiv O. Rognum, Knut Liestøl, Rolf I. Skotheim, and Ragnhild A. Lothe

CANCER THERAPY: CLINICAL

- 6011 **A Phase I Trial and Pharmacokinetic Study of Sorafenib in Children with Refractory Solid Tumors or Leukemias: A Children's Oncology Group Phase I Consortium Report**
Brigitte C. Widemann, AeRang Kim, Elizabeth Fox, Sylvain Baruchel, Peter C. Adamson, Ashish M. Ingle, Julia Glade Bender, Michael Burke, Brenda Weigel, Diana Stempak, Frank M. Balis, and Susan M. Blaney

6023 **Phase II Clinical and Pharmacokinetic Study of Afibercept in Patients with Previously Treated Metastatic Colorectal Cancer**
Patricia A. Tang, Steven J. Cohen, Christian Kollmannsberger, Georg Bjarnason, Kiran Virik, Mary J. MacKenzie, Lillian Lourenco, Lisa Wang, Alice Chen, and Malcolm J. Moore

6032 **Phase I Study of Vorinostat in Combination with Temozolomide in Patients with High-Grade Gliomas: North American Brain Tumor Consortium Study 04-03**
Eudocia Q. Lee, Vinay K. Puduvalli, Joel M. Reid, John G. Kuhn, Kathleen R. Lamborn, Timothy F. Cloughesy, Susan M. Chang, Jan Drappatz, W. K. Alfred Yung, Mark R. Gilbert, H. Ian Robins, Frank S. Lieberman, Andrew B. Lassman, Renee M. McGovern, Jihong Xu, Serena Desideri, Xiabu Ye, Matthew M. Ames, Igor Espinoza-Delgado, Michael D. Prados, and Patrick Y. Wen

6040 **Pharmacokinetic and Pharmacodynamic Analysis of Circulating Biomarkers of Anti-NRP1, a Novel Antiangiogenesis Agent, in Two Phase I Trials in Patients with Advanced Solid Tumors**
Yan Xin, Jessica Li, Jenny Wu, Rashell Kinard, Colin D. Weekes, Amita Patnaik, Patricia LoRusso, Rainer Brachmann, Raymond K. Tong, Yibing Yan, Ryan Watts, Shuang Bai, and Priti S. Hegde

6049 **Efficacy of Cetuximab in Metastatic Castration-Resistant Prostate Cancer Might Depend on EGFR and PTEN Expression: Results from a Phase II Trial (SAKK 08/07)**
Richard Cathomas, Christian Rothermundt, Dirk Klingbiel, Lukas Bubendorf, Rolf Jaggi, Daniel C. Betticher, Peter Brauchli, Denise Cotting, Cornelia Droege, Ralph Winterhalder, Daniele Siciliano, Dominik R. Berthold, Miklos Pless, Ralph Schiess, Roger von Moos, and Silke Gillissen; for the Swiss Group for Clinical Cancer Research (SAKK)

6058 **Pediatric Phase I Trial and Pharmacokinetic Study of MLN8237, an Investigational Oral Selective Small-Molecule Inhibitor of Aurora Kinase A: A Children's Oncology Group Phase I Consortium Study**
Yael P. Mossé, Emily Lipsitz, Elizabeth Fox, David T. Teachey, John M. Maris, Brenda Weigel, Peter C. Adamson, Mark A. Ingle, Charlotte H. Ahern, and Susan M. Blaney

PREDICTIVE BIOMARKERS AND PERSONALIZED MEDICINE

6065 **Developing and Validating Continuous Genomic Signatures in Randomized Clinical Trials for Predictive Medicine**
Shigeyuki Matsui, Richard Simon, Pingping Qu, John D. Shaughnessy Jr, Bart Barlogie, and John Crowley

LETTERS TO THE EDITOR

6074 **Spleen Cells from Young Donors Eradicate Large Tumors—Letter**
Laszlo Radvanyi

6076 **Spleen Cells from Young Donors Eradicate Large Tumors—Response**
Donald A. Rowley, Karin Schreiber, and Hans Schreiber

6077 **Bioluminescence Imaging of Prenylation Inhibition—Letter**
Philippe Clezardin

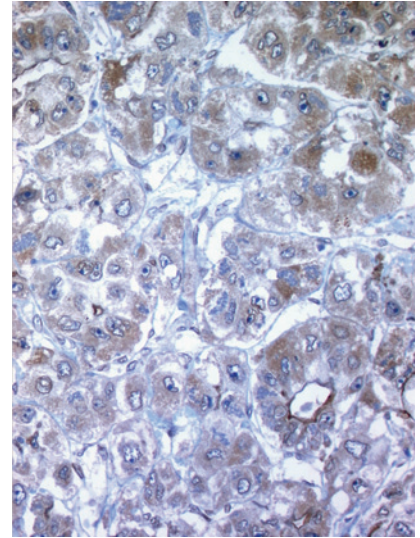
6078 **Bioluminescence Imaging of Prenylation Inhibition—Response**
Kendall J. Blumer, Katherine Weilbaecher, and David Piwnica-Worms

CORRECTION

6079 **Correction: The Use of Quantitative Real-Time Reverse-Transcriptase PCR for 5' and 3' Portions of ALK Transcripts to Detect ALK Rearrangements in Lung Cancers**

ABOUT THE COVER

Serotonin receptors are expressed in the liver and human hepatocellular cancer (HCC). The cover shows the immunohistochemical staining of the serotonin receptor 1B (HTR1B) in a specimen of human HCC. In a subset of tumors, the expression of HTR1B was significantly increased compared with corresponding nontumor liver tissue of the same patient. The expression of the receptor correlated with a higher proliferation rate and tumor size, suggesting an involvement of serotonin receptors in tumor growth of human HCC. For details, see the article by Soll and colleagues on page 5902 of this issue.



Clinical Cancer Research

18 (21)

Clin Cancer Res 2012;18:5831-6079.

Updated version Access the most recent version of this article at:
<http://clincancerres.aacrjournals.org/content/18/21>

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/18/21>.
Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.