

Highlights of This Issue 3493

SPECIAL FEATURES

CCR Translations

- 3495 | **The Quest for Self-Identity: Not All Cancer Stem Cells Are the Same**
Anita B. Hjelmeland and Jeremy N. Rich
See article p. 3628

CCR New Strategies

- 3499 | **New Strategies in the Treatment of Mantle Cell Lymphoma**
Changchun Deng, Sangmin Lee, and Owen A. O'Connor

CCR Drug Updates

- 3509 | **Romidepsin for Cutaneous T-cell Lymphoma**
H. Miles Prince and Michael Dickinson

Molecular Pathways

- 3516 | **Molecular Pathways: Rodent Parvoviruses—Mechanisms of Oncolysis and Prospects for Clinical Cancer Treatment**
Jürg P.F. Nüesch, Jeannine Lacroix, Antonio Marchini, and Jean Rommelaere

Review

- 3524 | **Novel Aspects of Mevalonate Pathway Inhibitors as Antitumor Agents**
Martin Thurnher, Oliver Nussbaumer, and Georg Gruenbacher

HUMAN CANCER BIOLOGY

- 3532 | **Activation of the mTOR Pathway in Primary Medullary Thyroid Carcinoma and Lymph Node Metastases**
Anna Tamburrino, Alfredo A. Molinolo, Paolo Salerno, Rebecca D. Chernoock, Mark Raffeld, Liqiang Xi, J. Silvio Gutkind, Jeffrey F. Moley, Samuel A. Wells, Jr. and Massimo Santoro

- 3541 | **Integrative Array-Based Approach Identifies MZB1 as a Frequently Methylated Putative Tumor Suppressor in Hepatocellular Carcinoma**
Satoshi Matsumura, Issei Imoto, Ken-ichi Kozaki, Takeshi Matsui, Tomoki Muramatsu, Mayuko Furuta, Shinji Tanaka, Michiie Sakamoto, Shigeki Arai, and Johji Inazawa

CANCER THERAPY: PRECLINICAL

- 3552 | **Identification of Unique MEK-Dependent Genes in GNAQ Mutant Uveal Melanoma Involved in Cell Growth, Tumor Cell Invasion, and MEK Resistance**
Grazia Ambrosini, Christine A. Pratilas, Li-Xuan Qin, Madhavi Tadi, Oliver Surriga, Richard D. Carvajal, and Gary K. Schwartz

- 3562 | **Evidence for Efficacy of New Hsp90 Inhibitors Revealed by Ex Vivo Culture of Human Prostate Tumors**
Margaret M. Centenera, Joanna L. Gillis, Adrienne R. Hanson, Shalini Jindal, Renea A. Taylor, Gail P. Risbridger, Peter D. Sutherland, Howard I. Scher, Ganesh V. Raj, Karen E. Knudsen, Trina Yeadon for the Australian Prostate Cancer BioResource, Wayne D. Tilley, and Lisa M. Butler

- 3571 | **Abiraterone Inhibits 3 β -Hydroxysteroid Dehydrogenase: A Rationale for Increasing Drug Exposure in Castration-Resistant Prostate Cancer**
Rui Li, Kristen Evaul, Kamallesh K. Sharma, Kai-Hsiung Chang, Jennifer Yoshimoto, Jiayan Liu, Richard J. Auchus, and Nima Sharifi

- 3580 | **Targeted Inhibition of Src Kinase with Dasatinib Blocks Thyroid Cancer Growth and Metastasis**
Christine M. Chan, Xia Jing, Laura A. Pike, Qiong Zhou, Dong-Jun Lim, Sharon B. Sams, Gregory S. Lund, Vibha Sharma, Bryan R. Haugen, and Rebecca E. Schweppe

3592 **Paracrine Receptor Activation by Microenvironment Triggers Bypass Survival Signals and ALK Inhibitor Resistance in EML4-ALK Lung Cancer Cells**

Tadaaki Yamada, Shinji Takeuchi, Junya Nakade, Kenji Kita, Takayuki Nakagawa, Shigeki Nanjo, Takahiro Nakamura, Kunio Matsumoto, Manabu Soda, Hiroyuki Mano, Toshimitsu Uenaka, and Seiji Yano

3603 **Combination of an Allosteric Akt Inhibitor MK-2206 with Etoposide or Rapamycin Enhances the Antitumor Growth Effect in Neuroblastoma**

Zhijie Li, Shuang Yan, Navid Attayan, Sridevi Ramalingam, and Carol J. Thiele

3616 **LY2109761 Attenuates Radiation-Induced Pulmonary Murine Fibrosis via Reversal of TGF- β and BMP-Associated Proinflammatory and Proangiogenic Signals**

Paul Flechsig, Monika Dadrich, Sebastian Bickelhaupt, Jürgen Jenne, Kai Hauser, Carmen Timke, Peter Peschke, Eric W. Hahn, Hermann-Josef Gröne, Jonathan Yingling, Michael Lahn, Ute Wirkner, and Peter E. Huber

IMAGING, DIAGNOSIS, PROGNOSIS

3628 **Differential Expression of 2',3'-Cyclic-Nucleotide 3'-Phosphodiesterase and Neural Lineage Markers Correlate with Glioblastoma Xenograft Infiltration and Patient Survival**

Michael Zorniak, Paul A. Clark, Heather E. Leeper, Matthew D. Tipping, David M. Francis, Kevin R. Kozak, M. Shahriar Salamat, and John S. Kuo
See commentary p. 3495

3637 **Circulating Levels of TNF Receptor II Are Prognostic for Patients with Peripheral T-cell Non-Hodgkin Lymphoma**

Christina Heemann, Markus Kreuz, Irene Stoller, Nils Schoof, Frederike von Bonin, Marita Ziepert, Markus Löffler, Wolfram Jung, Michael Pfreundschuh, Lorenz Trümper, and Dieter Kube

3648 **Serum Sex Steroids Depict a Nonlinear U-Shaped Association with High-Risk Prostate Cancer at Radical Prostatectomy**

Andrea Salonia, Firas Abdollah, Umberto Capitanio, Nazareno Suardi, Alberto Briganti, Andrea Gallina, Renzo Colombo, Matteo Ferrari, Giulia Castagna, Patrizio Rigatti, and Francesco Montorsi

3658 **Increased miR-708 Expression in NSCLC and Its Association with Poor Survival in Lung Adenocarcinoma from Never Smokers**

Jin Sung Jang, Hyo-Sung Jeon, Zhifu Sun, Marie Christine Aubry, Hui Tang, Cheol-Hong Park, Fariborz Rakhshan, Debra A. Schultz, Christopher P. Kolbert, Ruth Lupu, Jae Yong Park, Curtis C. Harris, Ping Yang, and Jin Jen

3668 **Expression of Cocaine- and Amphetamine-Regulated Transcript Is Associated with Worse Survival in Small Bowel Carcinoid Tumors**

Kalle Landerholm, Liliya Shcherbina, Sture E. Falkmer, Johannes Järhult, and Nils Wierup

CANCER THERAPY: CLINICAL

3677 **Prospective Study of Changes in the Metabolomic Profiles of Men during Their First Three Months of Androgen Deprivation Therapy for Prostate Cancer**

Philip J. Saylor, Edward D. Karoly, and Matthew R. Smith

3686 **Phase I Trial of a Glypican-3-Derived Peptide Vaccine for Advanced Hepatocellular Carcinoma: Immunologic Evidence and Potential for Improving Overall Survival**

Yu Sawada, Toshiaki Yoshikawa, Daisuke Nobuoka, Hirofumi Shirakawa, Toshimitsu Kuronuma, Yutaka Motomura, Shoichi Mizuno, Hiroshi Ishii, Kohei Nakachi, Masaru Konishi, Toshio Nakagohri, Shinichiro Takahashi, Naoto Gotohda, Tadatoshi Takayama, Kenji Yamao, Katsuhiko Uesaka, Junji Furuse, Taira Kinoshita, and Tetsuya Nakatsura

PREDICTIVE BIOMARKERS AND PERSONALIZED MEDICINE

3697 **Impact of MiRNPs on Survival and Progression in Patients with Multiple Myeloma Undergoing Autologous Stem Cell Transplantation**

Carlos Fernández de Larrea, Alfons Navarro, Rut Tejero, Natalia Tovar, Tania Díaz, María Teresa Cibeira, Laura Rosiñol, Gerardo Ferrer, Montserrat Rovira, María Rozman, Mariano Monzó, and Joan Bladé

**Genetic Variants in the PI3K/PTEN/
AKT/mTOR Pathway Predict Head
and Neck Cancer Patient Second
Primary Tumor/Recurrence Risk
and Response to Retinoid
Chemoprevention**

Michelle A.T. Hildebrandt, Scott M. Lippman,
Carol J. Etzel, Edward Kim, J. Jack Lee,
Fadlo R. Khuri, Margaret R. Spitz,
Reuben Lotan, Waun Ki Hong, and Xifeng Wu

CORRECTIONS

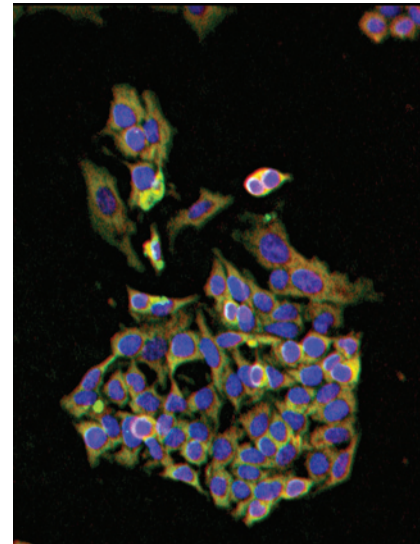
3714

**Correction: Expansion of a CD8⁺
PD-1⁺ Replicative Senescence
Phenotype in Early Stage CLL
Patients Is Associated with Inverted
CD4:CD8 Ratios and Disease
Progression**

3715

**Correction: BRAF(V600) Inhibitor
GSK2118436 Targeted Inhibition of
Mutant BRAF in Cancer Patients
Does Not Impair Overall Immune
Competency****ABOUT THE COVER**

Silencing of marginal zone B and B1 cell-specific protein (MZB1), a novel tumor suppressor gene for hepatoma, through CpG island methylation was independently associated with a worse outcome of patients with hepatocellular carcinoma, and restoration of MZB1 expression in hepatoma cells reduced cell proliferation *in vitro* and *in vivo*. Distribution of ectopically expressed FLAG-tagged MZB1 in HepG2 cells is shown by immunofluorescence analysis (red). An endoplasmic reticulum marker (Calnexin) and nuclei are also shown in green and blue (DAPI), respectively. For details, see the article by Matsumura and colleagues on page 3541 of this issue.



Clinical Cancer Research

18 (13)

Clin Cancer Res 2012;18:3493-3715.

Updated version Access the most recent version of this article at:
<http://clincancerres.aacrjournals.org/content/18/13>

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/18/13>.
Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.