Complexity Made Simple in Diffuse Large B-Cell Lymphoma. Jon Aster and Jeffery Kutok ..........5291

Blood Flow-Metabolism Mismatch: Good for the Tumor, Bad for the Patient. David A. Mankoff, Lisa K. Dunnwald, Savannah C. Partridge, and Jennifer M. Specht ...........................................5294

The Role of Vascular Endothelial Growth Factor Genetic Variability in Cancer. Bryan P. Schneider, Milan Radovich, and Kathy D. Miller .................................................................5297

Complexity of CEBPA Dysregulation in Human Acute Myeloid Leukemia. Thomas Pabst and Beatrice U. Mueller .................................................................5303

The Double-Edged Sword of Autophagy Modulation in Cancer. Eileen White and Robert S. DiPaola .................................................................5308

Integration of Molecular Profiling into the Lung Cancer Clinic. William Pao, Mark G. Kris, A. John Iafrate, Marc Ladanyi, Pasi A. Jänne, Ignacio I. Wistuba, Ryn Miake-Lye, Roy S. Herbst, David P. Carbone, Bruce E. Johnson, and Thomas J. Lynch .................................................................5317


Expression of EBV Latent Antigens, Mammalian Target of Rapamycin, and Tumor Suppression Genes in EBV-Positive Smooth Muscle Tumors: Clinical and Therapeutic Implications. Kong Wee Ong, Marissa Teo, Victor Lee, Danny Ong, Ann Lee, Chieh Suai Tan, A. Vathsala, and Han Chong Toh.................................................................5350


Gene Expression Profiling of Bone Marrow Endothelial Cells in Patients with Multiple Myeloma. Roberto Ria, Katia Todoerri, Simona Berardi, Addolorata Maria Luce Coluccia, Annunziata De Luigi, Michela Mattioli, Domenica Ronchetti, Fortunato Morabito, Attilio Guarini, Maria Teresa Petrucci, Franco Dammacco, Domenico Ribatti, Antonino Neri, and Angelo Vaccia .................................................................5369

Fractionated but Not Single-Dose Radiotherapy Induces an Immune-Mediated Abscopal Effect when Combined with Anti–CTLA-4 Antibody. M. Zahidunnabi Dewan, Ashley E. Galloway, Noriko Kawashima, J. Keith Dewyngaert, James S. Babb, Silvia C. Formenti, and Sandra Demaria........5379
Concurrent and Sequential Administration of Chemotherapy and the Mammalian Target of Rapamycin Inhibitor Temsirolimus in Human Cancer Cells and Xenografts. Andrea S. Fung, Licun Wu, and Ian F. Tannock .......................................................... 5389

Targeted Radiotherapy for Prostate Cancer with an Oncolytic Adenovirus Coding for Human Sodium Iodide Symporter. Tanja Hakkarainen, Maria Rajecki, Mirrka Sarparanta, Mikko Tenhunen, Anu J. Airaksinen, Renée A. Desmond, Kalevi Kairemo, and Akseli Hemminki................................................................. 5396

mTOR Is a Promising Therapeutic Target Both in Cisplatin-Sensitive and Cisplatin-Resistant Clear Cell Carcinoma of the Ovary. Seiji Mabuchi, Chiaki Kawase, Deborah A. Altmare, Kenichirou Morishige, Kenjiro Sawada, Masami Hayashi, Masahiko Tsujimoto, Mareo Yamoto, Andres J. Klein-Szanto, Russell J. Schilder, Masahide Ohmichi, Joseph R. Testa, and Tadashi Kimura...... 5404

15d-PGJ2, Induces Apoptosis by Reactive Oxygen Species-mediated Inactivation of Akt in Leukemia and Colorectal Cancer Cells and Shows In vivo Antitumor Activity. Sung-Won Shin, Chi-Yeon Seo, Hoon Han, Jin-Yeong Han, Jin-Sook Jeong, Jong-Young Kwak, and Joo-In Park ............... 5414

Humanized Anti-Interleukin-6 Receptor Antibody Suppresses Tumor Angiogenesis and In vivo Growth of Human Oral Squamous Cell Carcinoma. Satoru Shiniriki, Hirofumi Iono, Kazutoshi Ota, Mitsuharu Ueda, Mareina Kudo, Tomoko Ota, Yuichi Oike, Motoyoshi Endo, Mutsuko Ibusuki, Akimitsu Hiraki, Hideki Nakayama, Yoshihiro Yoshitake, Masanori Shinohara, and Yukio Ando .......................................................... 5426

Herbal Extract of Wedelia chinensis Attenuates Androgen Receptor Activity and Orthotopic Growth of Prostate Cancer in Nude Mice. Chin-Hisien Tsai, Feng-Min Lin, Yu-Chih Yang, Ming-Ting Lee, Tai-Lung Cha, Guan-James Wu, Shih-Chuan Hsieh, and Pei-Wen Hsiao.............................. 5435


Differences in Repair of DNA Cross-links between Lymphocytes and Epithelial Tumor Cells from Colon Cancer Patients Measured In vitro with the Comet Assay. Mercedes Herrera, Gemma Dominguez, Jose M. Garcia, Cristina Peña, Carmen Jimenez, Javier Silva, Vanesa Garcia, Irene Gomez, Raquel Diaz, Paloma Martín, and Felix Bonilla......................... 5466

Imaging, Diagnosis, Prognosis


The Importance of Protein Kinase A in Prostate Cancer: Relationship to Patient Outcome in Radiation Therapy Oncology Trial 92-02. Alan Pollack, Kyounghwa Bae, Li-Yan Khor, Tahseen Al-Saleem, M. Elizabeth Hammond, Varagur Venketesan, Roger W. Byhardt, Sucha O. Ashbell, William U. Shipley, and Harold M. Sandler .............................................................. 5478

Tumor Cell-Microenvironment Interaction Models Coupled with Clinical Validation Reveal CCL2 and SNCG as Two Predictors of Colorectal Cancer Hepatic Metastasis. Hai Hu, Lichao Sun, Chunguang Guo, Qian Liu, Zhan Zhou, Liang Peng, Jian Pan, Long Yu, Jinning Lou, Zhihua Yang, Ping Zhao, and Yuliang Ran ................................................................. 5485

A New Immunostain Algorithm Classifies Diffuse Large B-Cell Lymphoma into Molecular Subtypes with High Accuracy. William W.L. Choi, Dennis D. Weisenburger, Timothy C. Greiner, Miguel A. Piris, Alison H. Banham, Jan Delabie, Rita M. Braziel, Huiimin Geng, Javeed Iqbal, Georg Lenz, Julie M. Vose, Christine P. Hans, Kai Fu, Lynette M. Smith, Min Li, Zhongfeng Liu, Randy D. Gascoyne, Andreas Rosenwald, German Ott, Lisa M. Rimsza, Elias Campo, Elaine S. Jaffe, David L. Jaye, Louis M. Staudt, and Wing C. Chan.................................. 5494
Choline Positron Emission Tomography in Estrogen Receptor–Positive Breast Cancer.
Kaiyumars B. Contractor, Laura M. Kenny, Justin Stebbing, Adil Al-Nahhas, Carlo Palmieri,
Dudley Sinnett, Jacqueline S. Lewis, Katy Hogben, Safiye Osman, Sami Shousha, Charles Lowdell,
R. Charles Coombes, and Eric O. Aboagye .................................................. 5503

Decreased Blood Flow with Increased Metabolic Activity: A Novel Sign of Pancreatic Tumor Aggressiveness.
Gaber Komar, Saila Kauhanen, Kaisa Liukkonen, Marko Seppänen, Sami Kajander,
Jari Ovaska, Pirjo Nuutila, and Heikki Minn ........................................................................ 5511

CD24 Is a Novel Predictor for Poor Prognosis of Hepatocellular Carcinoma after Surgery.
Xin-Rong Yang, Yang Xu, Bin Yu, Jian Zhou, Jia-Chu Li, Shuang-Jian Qiu, Ying-Hong Shi,
Xiao-Ying Wang, Zhi Dai, Guo-Ming Shi, Bin Wu, Li-Ming Wu, Guo-Huan Yang, Bo-Heng Zhang,
Wen-Xin Qin, and Jia Fan .................................................................................. 5518

Tissue Biomarker Development in a Multicentre Trial Context: a Feasibility Study on the PETACC3 Stage II and III Colon Cancer Adjuvant Treatment Trial.
Fred T. Bosman, Pu Yan, Sabine Tejpar, Roberto Fiocca, Eric Van Cutsem, Richard D. Kennedy,
Daniel Dietrich, and Arnaud Roth .................................................................................. 5528

Inflammatory Biomarkers and Fatigue during Radiation Therapy for Breast and Prostate Cancer.
Julienne E. Bower, Patricia A. Ganz, May Lin Tao, Wenhua Hu, Thomas R. Belin,
Saviz Sepah, Steve Cole, and Najib Aziz .......................................................................... 5534

Imaging Mass Spectrometry of a Specific Fragment of Mitogen-Activated Protein Kinase/Extracellular Signal-Regulated Kinase Kinase Kinase 2 Discriminates Cancer from Uninvolved Prostate Tissue.
Lisa H. Cazares, Dean Troyer, Savvas Mendrinos, Raymond A. Lance,
Julius O. Nyawidhe, Hind A. Beydoun, Mary Ann Clements, Richard R. Drake, and O. John Semmes ....... 5541

Erythropoietin Receptor Expression and Correlation to Tamoxifen Response and Prognosis in Breast Cancer.
Anna-Maria Larsson, Karin Jirström, Erik Fredlund, Sofie Nilsson, Lisa Rydén,
Göran Landberg, and Sven Påhlman ........................................................................... 5552

microRNA Profiling Identifies Cancer-Specific and Prognostic Signatures in Pediatric Malignancies.
Jun S. Wei, Peter Johansson, Qing-Rong Chen, Young K. Song, Steffen Durinck,
Xinyu Wen, Adam T.C. Cheuk, Malcolm A. Smith, Peter Houghton, Christopher Morton,
and Javed Khan .............................................................................................................. 5560

A Phase I Study of a 2-Day Lapatinib Chemosensitization Pulse Preceding Nanoparticle Albumin-Bound Paclitaxel for Advanced Solid Malignancies.
Amy J. Chien, Julie A. Illi, Andrew H. Ko, Wolfgang M. Korn, Lawrence Fong, Lee-may Chen, Mohammed Kashani-Sabet,
Charles J. Ryan, Jonathan E. Rosenberg, Sarita Dubey, Eric J. Small, Thierry M. Jahan,
Nola M. Hylton, Benjamin M. Yeh, Yong Huang, Kevin M. Koch, and Mark M. Moasser ............... 5569

Cancer Therapy: Clinical

Longitudinal Cytokine Expression during IMRT for Prostate Cancer and Acute Treatment Toxicity.
Eva Christensen, Melanie Pintilie, Kenneth R. Evans, Michelle Lenarduzzi, Cynthia Ménard,
Charles N. Catton, Eleftherios P. Diamandis, and Robert G. Bristow ......................... 5576

Mapatumumab, a Fully Human Agonistic Monoclonal Antibody That Targets TRAIL-R1, in Combination with Gemcitabine and Cisplatin: a Phase I Study.
Constantijne H. Mom, Jaap Verweij, Corina N.A.M. Oldenhuis, Jourik A. Gietema, Norma Lynn Fox, Renée Miceli,

A Randomized, Double-Blind, Placebo-Controlled, Phase II Study Comparing the Tolerability and Efficacy of Ipilimumab Administered with or without Prophylactic Budesonide in Patients with Unresectable Stage III or IV Melanoma.
Jeffrey Weber, John A. Thompson, Omid Hamid, David Minor, Asim Amin, Ilan Ron, Ruggero Ridolfi, Hazemi Assi, Anthony Maraveyas,
David Berman, Jonathan Siegel, and Steven J. O’Day .................................................. 5591
Letter to the Editor

Variants Weakly Correlated with CHRNA5 D398N Polymorphism Should be Considered in Transcriptional Deregulation at the 15q25 Locus Associated with Lung Cancer Risk.
Jen C. Wang, Laura J. Bierut, and Alison M. Goate

Reply to the Letter to the Editor from Wang.
Felicia S. Falvella, Antonella Galvan, Elisa Frullanti, and Tommaso A. Dragani

Corrections

Correction: Article on Impact of HER2/neu Expression Level on E75 Vaccine Response
Correction: Article on Canine Spontaneous Soft Tissue Sarcomas

About the Cover

Immunohistochemical analysis of cyclin D1b, a variant of cyclin D1, in human prostate adenocarcinoma. Images were acquired using the Automated Quantitative Analysis (AQUA) Platform (HistoRx). Adenocarcinomas were co-stained for cyclin D1b (red), epithelial cytokeratin (green), and DAPI to show nuclei (blue). For further details, please see Comstock and coworkers on page 5338 in this issue.
## Clinical Cancer Research

15 (17)


### Updated version
Access the most recent version of this article at:
http://clincancerres.aacrjournals.org/content/15/17

<table>
<thead>
<tr>
<th>E-mail alerts</th>
<th>Sign up to receive free email-alerts related to this article or journal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reprints and Subscriptions</td>
<td>To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at <a href="mailto:pubs@aacr.org">pubs@aacr.org</a>.</td>
</tr>
<tr>
<td>Permissions</td>
<td>To request permission to re-use all or part of this article, contact the AACR Publications Department at <a href="mailto:permissions@aacr.org">permissions@aacr.org</a>.</td>
</tr>
</tbody>
</table>