Highlights of This Issue 6081

SPECIAL FEATURES

CCR Translations

6083 Real-time Pathology to Guide Breast Surgery: Seeing Alone Is Not Believing
Irving J. Bigio
See article p. 6315

6086 Regulatory T Cells Move in When Gliomas Say "I DO"
Bryan D. Choi, Peter E. Fecci, and John H. Sampson
See article p. 6110

Molecular Pathways

6089 Molecular Pathways: The Metabolic Regulator Estrogen-Related Receptor α as a Therapeutic Target in Cancer
Ching-yi Chang and Donald P. McDonnell

6096 Molecular Pathways: Regulation of Metabolism by RB
Brian F. Clem and Jason Chesney

Review

6101 Accelerating Cancer Therapy Development: The Importance of Combination Strategies and Collaboration. Summary of an Institute of Medicine Workshop

6122 Quantitative Immunofluorescence Reveals the Signature of Active B-cell Receptor Signaling in Diffuse Large B-cell Lymphoma

6136 Expression Profiling of Archival Tumors for Long-term Health Studies
Levi Waldron, Shuji Ogin, Yuji Hoshida, Koari Shima, Amy E. McElrath Reed, Peter T. Simpson, Yoshifumi Baba, Katsuhiko Nosho, Nicola Segata, Ana Cristina Varghas, Margaret C. Cummings, Sunil R. Lakhan, Gregory J. Kirkner, Edward Giovannucci, John Quackenbush, Todd R. Golub, Charles S. Fuchs, Giovanni Parmigiani, and Curtis Huttenhower

6147 Decreased NK Cells in Patients with Head and Neck Cancer Determined in Archival DNA

6155 Stemness of B-cell Progenitors in Multiple Myeloma Bone Marrow
Kelly Boucher, Nancy Parquet, Raymond Widen, Kenneth Shain, Rachid Baz, Melissa Alina, John Koomen, Claudio Anasetti, William Dalton, and Lia E. Perez

6169 Molecular Epidemiology of EGFR and KRAS Mutations in 3,026 Lung Adenocarcinomas: Higher Susceptibility of Women to Smoking-Related KRAS-Mutant Cancers
Snjezana Dogan, Ronglai Shen, Daphne C. Ang, Melissa L. Johnson, Sandra P. D'Angelo, Paul K. Paik, Edyta B. Brzostowski, Gregory J. Biely, Mark G. Kris, Maureen F. Zakowski, and Marc Ladanyi

HUMAN CANCER BIOLOGY

6110 IDO Expression in Brain Tumors Increases the Recruitment of Regulatory T Cells and Negatively Impacts Survival
Derek A. Wainwright, Irina V. Babayevskaya, Alan L. Chang, Atique U. Ahmed, Kyung-Sub Moon, Brenda Auffinger, Alex L. Tobias, Yu Han, and Maciej S. Lesniak
See commentary p. 6086

6178 Establishment and Characterization of Novel Cell Lines from Sinonasal Undifferentiated Carcinoma
Yoko Takahashi, Michael E. Kupferman, Diana Bell, Tilahun Jiffar, June Goo Lee, Tong-Xin Xie, Ning-Wei Li, Mei Zhao, Mitchell J. Frederick, Alexander Gelbard, Jeffrey N. Myers, and Ehab Y. Hanna
Overexpression of Ecdysoneless in Pancreatic Cancer and Its Role in Oncogenesis by Regulating Glycolysis

Proliferation in the Normal FTE Is a Hallmark of the Follicular Phase, Not BRCA Mutation Status
Sophia H.L. George, Anca Milea, and Patricia A. Shaw

Radioimmunotherapy of Fibroblast Activation Protein Positive Tumors by Rapidly Internalizing Antibodies
Eliane Fischer, Krishna Chaitanya, Thomas Wiess, Andreas Wadler, Andrew M. Scott, Maries van den Broek, Roger Schibli, Stefan Bauer, and Christoph Renner

Activation of HER Family Signaling as a Mechanism of Acquired Resistance to ALK Inhibitors in EML4-ALK-Positive Non-Small Cell Lung Cancer
 Junko Tanizaki, Isamu Okamoto, Takafumi Okabe, Kazuko Sakao, Kaoru Tanaka, Hitoshi Hayashi, Hiroyasu Kaneda, Ken Takezawa, Kiyoko Kuyata, Haruka Yamaguchi, Erina Hatashita, Kazuto Nishio, and Kazuhihiko Nakagawa

Superior Efficacy of a Combined Epigenetic Therapy against Human Mantle Cell Lymphoma Cells
Warren Fiskus, Rekha Rao, Ramesh Balusu, Siddhartha Ganguly, Jianguo Tao, Eduardo Sotomayor, Uma Mudumurt, Jacqueline E. Smith, Stacey L. Hembruff, Peter Atadja, Victor E. Marquez, and Kapil Bhalla

Targeting the P13K Pathway in the Brain—Efficacy of a P13K Inhibitor Optimized to Cross the Blood–Brain Barrier

In Vivo Phosphoantigen Levels in Bisphosphonate-Treated Human Breast Tumors Trigger Vγ9Vδ2 T-cell Antitumor Cytotoxicity through ICAM-1 Engagement
Ismahène Benzaïd, Hannu Mönkkönen, Edith Bonneyle, Jukka Mönkkönen, and Philippe Clézardin

Synthetic miR-34a Mimics as a Novel Therapeutic Agent for Multiple Myeloma: In Vitro and In Vivo Evidence
Maria T. Di Martino, Emanuela Leone, Nicola Amadio, Umberto Foresta, Marta Lionetti, Maria R. Pitarri, Maria E. Gallo Cantafi, Annamaria Guilla, Francesco Conforti, Eugenio Morelli, Vera Tomaino, Marco Ross, Massimo Negrini, Manlio Ferrarini, Michele Caraglia, Massoud A. Shammas, Nikhil C. Munshi, Kenneth C. Anderson, Antonino Neri, Pierosandro Tagliaferri, and Pierfrancesco Tassone

TRAIL and Noxa Are Selectively Upregulated in Prostate Cancer Cells Downstream of the RIG-I/MAVS Signaling Pathway by Nonreplicating Sendai Virus Particles
Taeko Matsushima-Miyagi, Koji Hatano, Motonari Nomura, Liu Li-Wen, Tomoyuki Nishikawa, Kotaro Saga, Takashi Shimbo, and Yasufumi Kaneda

Universal Cancer Peptide-Based Therapeutic Vaccine Breaks Tolerance against Telomerase and Eradicates Established Tumor
Magalie Dosset, Yann Godet, Charline Vauchy, Laurent Beznad, Yu Chun Lone, Christine Sedlik, Christelle Liard, Emeline Levissonnois, Bertrand Clerc, Federico Sandolé, Etienné Daguindau, Simon Wain-Hobson, Eric Tartour, Pierre Langlade-Demoyen, Christophe Borg, and Olivier Adévé

Antibody-Dependent Cell-Mediated Cytotoxicity Overcomes NK Cell Resistance in MLL-Rearranged Leukemia Expressing Inhibitory KIR Ligands but Not Activating Ligands
Wing Keung Chan, May Kung Sutherland, Ying Li, Jonathan Zalevsy, Sarah Schell, and Wing Leung
Measurement of Tumor VEGF-A Levels with 89Zr-Bevacizumab PET as an Early Biomarker for the Antiangiogenic Effect of Everolimus Treatment in an Ovarian Cancer Xenograft Model


Scatter Spectroscopic Imaging Distinguishes between Breast Pathologies in Tissues Relevant to Surgical Margin Assessment

Ashley M. Laughney, Venkataraman Krishnaswamy, Elizabeth J. Rizzo, Mary C. Schwab, Richard J. Barth, Brian W. Pogue, Keith D. Paulsen, and Wendy A. Wells

Impact of the Integrin Signaling Adaptor Protein NEDD9 on Prognosis and Metastatic Behavior of Human Lung Cancer

Shunsuke Kondo, Satoshi Iwata, Taketo Yamada, Yusuke Inoue, Hiromi Ichihara, Yoshiko Kichikawa, Tomoki Katayose, Akiko Souta-Kuribara, Hiroto Yamazaki, Osamu Hosono, Hiroshi Kawasaki, Hiroto Tanaka, Yuichiro Hayashi, Michiie Sakamoto, Kazunori Kaniya, Nam H. Dang, and Chikao Morimoto

Clinical Significance of the Genetic Landscape of Pancreatic Cancer and Implications for Identification of Potential Long-term Survivors

Shinich Yachida, Catherine M. White, Yoshiki Naito, Yi Zhong, Jacqueline A. Brosnan, Anne M. Macgregor-Das, Richard A. Morgan, Tyler Saunders, Daniel A. Laheru, Joseph M. Herman, Ralph H. Hruban, Alison P. Klein, Siân Jones, Victor Velculescu, Christopher L. Wolfgang, and Christine A. Iacobuzio-Donahue

Serum Lactate Dehydrogenase Is Prognostic for Survival in Patients with Bone Metastases from Breast Cancer: A Retrospective Analysis in Bisphosphonate-Treated Patients

Janet E. Brown, Richard J. Cook, Allan Lipton, and Robert E. Coleman

Outcomes of Phase II Clinical Trials with Single-Agent Therapies in Advanced/Metastatic Non–Small Cell Lung Cancer Published between 2000 and 2009

Filip Janku, Donald A. Berry, Jing Gong, Henrique A. Parsons, David J. Stewart, and Razelle Kurzrock

Using Pharmacokinetic and Pharmacodynamic Data in Early Decision Making Regarding Drug Development: A Phase I Clinical Trial Evaluating Tyrosine Kinase Inhibitor, AEE788

José Baselga, Alain C. Mita, Patrick Schöffski, Herlinde Dumez, Frederico Rojo, Josep Tabernero, Clifford DiLea, William Mielowksi, Christie Low, Jerry Huang, Margaret Dugan, Kathryn Parker, Eric Walk, Allan van Oosterom, Erika Martinelli, and Chris H. Takimoto

Personalized Medicine in a Phase I Clinical Trials Program: The MD Anderson Cancer Center Initiative

Apostolia-Maria Tsimeridou, Nancy G. Issander, David S. Hong, Jennifer J. Wheler, Gerald S. Falchook, Siqing Fu, Sarina Pih-Ha-Paul, Aung Naing, Filip Janku, Rajyalakshmi Luthra, Yang Ye, Sijin Wen, Donald Berry, and Razelle Kurzrock

Association between VEGF Splice Isoforms and Progression-Free Survival in Metastatic Colorectal Cancer Patients Treated with Bevacizumab

David O. Bates, Paul J. Catalano, Kirsty E. Symonds, Alex H.R. Varey, Pramila Ramani, Peter J. O'Dwyer, Bruce J. Giantonio, Neal J. Meropol, Al Bowen Benson, and Steven J. Harper
Replication-incompetent Sendai virus particles were injected into orthotopic prostate cancers in NOD-SCID mice on day 29 after the inoculation of human prostate cancer PC3 cells. The dual 4,6-diamidino-2-phenylindole (blue) and terminal deoxynucleotidyl transferase–mediated dUTP nick-end labeling (DAPI; green) staining showed that the TUNEL-positive apoptotic cells were dramatically increased in tumor regions. For details, see the article by Matsushima-Miyagi and colleagues on page 6271 of this issue.
Clinical Cancer Research

18 (22)


Updated version Access the most recent version of this article at:
http://clincancerres.aacrjournals.org/content/18/22

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, contact the AACR Publications Department at permissions@aacr.org.