Highlights of This Issue 5809

SPECIAL FEATURES

CCR Translations

5811 It Takes Two to Tango: Dual Inhibition of PI3K and MAPK in Rhabdomyosarcoma
Arman Jahangiri and William A. Weiss
See related article, p. 5940

CCR New Strategies

5814 New Strategies in Neuroblastoma: Therapeutic Targeting of MYCN and ALK
Giuseppe Barone, John Anderson, Andrew D.J. Pearson, Kevin Petrie, and Louis Chesler

CCR Perspectives in Drug Approval

5822 Radium-223 Chloride: Extending Life in Prostate Cancer Patients by Treating Bone Metastases
Michel D. Wissing, Fijs W.B. van Leeuwen, Gabri van der Pluijm, and Hans Gelderblom

CCR Drug Updates

5828 Ponatinib—A Step Forward in Overcoming Resistance in Chronic Myeloid Leukemia
Olga Frankfurt and Jonathan D. Licht

Molecular Pathways

5835 Molecular Pathways: Targeting MYC-induced Metabolic Reprogramming and Oncogenic Stress in Cancer
Bo Li and M. Celeste Simon

5842 Molecular Pathways: Estrogen Pathway in Colorectal Cancer
Afsaneh Barzi, Anika Medea Lenz, Melissa J. Labonte, and Heinz-Josef Lenz

Perspectives

5849 The Cancer Diaspora: Metastasis beyond the Seed and Soil Hypothesis
Kenneth J. Pienta, Bruce A. Robertson, Donald S. Coffey, and Russell S. Taichman

Review

5856 Targeting Fibroblast Growth Factor Pathways in Prostate Cancer
Paul G. Corn, Fen Wang, Wallace L. McKeegan, and Nora Navone

HUMAN CANCER BIOLOGY

5867 Consistent and Differential Genetic Aberrations between Esophageal Dysplasia and Squamous Cell Carcinoma Detected By Array Comparative Genomic Hybridization
Zhi-Zhou Shi, Li Shang, Yan-Yi Jiang, Jia-Jie Hao, Yu Zhang, Tong-Tong Zhang, De-Chen Lin, Shu-Guang Liu, Bo-Shi Wang, Ting Gong, Qi-Min Zhan, and Ming-Rong Wang

5879 Alpha-Smooth Muscle Actin (ACTA2) Is Required for Metastatic Potential of Human Lung Adenocarcinoma

5901 Clinical Monoclonal B Lymphocytosis versus Rai 0 Chronic Lymphocytic Leukemia: A Comparison of Cellular, Cytogenetic, Molecular, and Clinical Features
Fortunato Morabito, Laura Mosca, Giovanna Cutrona, Luca Agnelli, Giacomo Tuana, Manuela Ferracin, Barbara Zagatti, Marta Lionetti, Sonia Fabris, Francesco Maura, Serena Matis, Massimo Gentile, Ernesto Vigna, Monica Colombo, Carlotta Massucco, Anna Grazia Recchia, Sabrina Bossio, Laura De Stefano, Fiorella Ilariucci, Caterina Musolino, Stefano Molica, Francesco Di Raimondo, Agostino Cortelezzii, Pierfrancesco Tassone, Massimo Negri, Sara Monti, Davide Rossi, Gianluca Gaidano, Manlio Ferrari, and Antonino Neri

A Tumorigenic Factor Interactome Connected through Tumor Suppressor MicroRNA-198 in Human Pancreatic Cancer
Christian Marin-Muller, Dali Li, Uddalak Bhardwaj, Min Li, Changyi Chen, Sally E. Hodges, William E. Fisher, Qianxing Mo, Mien-Chie Hung, and Qizhi Yao
Functional Heterogeneity of Cancer-Associated Fibroblasts from Human Colon Tumors Shows Specific Prognostic Gene Expression Signature
Mercedes Herrera, Abul B.M.M.K. Islam, Alberto Herrera, Paloma Martín, Vanesa García, Javier Silva, Jose M. García, Clara Salas, Ignacio Casal, Antonio García de Herreros, Félix Bonilla, and Cristina Peña

A Negative Feedback of the HIF-1α Pathway via Interferon-Stimulated Gene 15 and ISGylation
Yen-Hsiu Yeh, Yu-Chen Yang, Mei-Yi Hsieh, Yen-Cheng Yeh, and Tsai-Kun Li

Dual Blockade of the PI3K/AKT/mTOR (AZD8055) and RAS/MEK/ERK (AZD6244) Pathways Synergistically Inhibits Rhabdomyosarcoma Cell Growth In Vitro and In Vivo

See related article, p. 5811

DNA Demethylating Agents Synergize with Oncolytic HSV1 against Malignant Gliomas
Kazuo Okemoto, Kazue Kasai, Benjamin Wagner, Amy Haseley, Hans Meisen, Chelsea Bolyard, Xiaoikui Mo, Allison Wehr, Amy Lehman, Soledad Fernandez, Balveen Kaur, and E. Antonio Chiocca

Resistance to CDK2 Inhibitors Is Associated with Selection of Polyploid Cells in CCNE1-Amplified Ovarian Cancer

Nab-Paclitaxel Is an Active Drug in Preclinical Model of Pediatric Solid Tumors
Libo Zhang, Paula Marrano, Sushil Kumar, Michael Leadley, Evelyn Elias, Paul Thorner, and Sylvain Baruchel

Molecular Imaging of Death Receptor 5 Occupancy and Saturation Kinetics In Vivo by Humanized Monoclonal Antibody CS-1008

Margin-Infiltrating CD20⁺ B Cells Display an Atypical Memory Phenotype and Correlate with Favorable Prognosis in Hepatocellular Carcinoma
Jie-Yi Shi, Jiang Gao, Zhi-Chao Wang, Jian Zhou, Xiao-Ying Wang, Zhi-Hui Min, Ying-Hong Shi, Guo-Ming Shi, Zhen-Bin Ding, Ai-Wu Ke, Zhi Dai, Shuang-Jian Qiu, Kang Song, and Jia Fan

Proteome Profiling of Cancer-Associated Fibroblasts Identifies Novel Proinflammatory Signatures and Prognostic Markers for Colorectal Cancer
Sofia Torres, Rubén A. Bartolomé, Marta Mendes, Rodrigo Barderas, M. Jesús Fernandez-Aceñero, Alberto Peláez-García, Cristina Peña, María Lopez-Lucendo, Roi Villar-Vázquez, Antonio García de Herreros, Félix Bonilla, and J. Ignacio Casal

A Phase I Study of the HSP90 Inhibitor Retaspimycin Hydrochloride (IPI-504) in Patients with Gastrointestinal Stromal Tumors or Soft-Tissue Sarcomas
Andrew J. Wagner, Rashmi Chugh, Lee S. Rosen, Jeffrey A. Morgan, Suzanne George, Michael Gordon, Joi Dunbar, Emmanuel Normant, David Grayzel, and George D. Demetri

Long-term Follow-up of MRC Myeloma IX Trial: Survival Outcomes with Bisphosphonate and Thalidomide Treatment

DNA Demethylating Agents Synergize with Oncolytic HSV1 against Malignant Gliomas
Kazuo Okemoto, Kazue Kasai, Benjamin Wagner, Amy Haseley, Hans Meisen, Chelsea Bolyard, Xiaoikui Mo, Allison Wehr, Amy Lehman, Soledad Fernandez, Balveen Kaur, and E. Antonio Chiocca

Resistance to CDK2 Inhibitors Is Associated with Selection of Polyploid Cells in CCNE1-Amplified Ovarian Cancer

Nab-Paclitaxel Is an Active Drug in Preclinical Model of Pediatric Solid Tumors
Libo Zhang, Paula Marrano, Sushil Kumar, Michael Leadley, Evelyn Elias, Paul Thorner, and Sylvain Baruchel

Molecular Imaging of Death Receptor 5 Occupancy and Saturation Kinetics In Vivo by Humanized Monoclonal Antibody CS-1008

Margin-Infiltrating CD20⁺ B Cells Display an Atypical Memory Phenotype and Correlate with Favorable Prognosis in Hepatocellular Carcinoma
Jie-Yi Shi, Jiang Gao, Zhi-Chao Wang, Jian Zhou, Xiao-Ying Wang, Zhi-Hui Min, Ying-Hong Shi, Guo-Ming Shi, Zhen-Bin Ding, Ai-Wu Ke, Zhi Dai, Shuang-Jian Qiu, Kang Song, and Jia Fan

Proteome Profiling of Cancer-Associated Fibroblasts Identifies Novel Proinflammatory Signatures and Prognostic Markers for Colorectal Cancer
Sofia Torres, Rubén A. Bartolomé, Marta Mendes, Rodrigo Barderas, M. Jesús Fernandez-Aceñero, Alberto Peláez-García, Cristina Peña, María Lopez-Lucendo, Roi Villar-Vázquez, Antonio García de Herreros, Félix Bonilla, and J. Ignacio Casal

A Phase I Study of the HSP90 Inhibitor Retaspimycin Hydrochloride (IPI-504) in Patients with Gastrointestinal Stromal Tumors or Soft-Tissue Sarcomas
Andrew J. Wagner, Rashmi Chugh, Lee S. Rosen, Jeffrey A. Morgan, Suzanne George, Michael Gordon, Joi Dunbar, Emmanuel Normant, David Grayzel, and George D. Demetri

Long-term Follow-up of MRC Myeloma IX Trial: Survival Outcomes with Bisphosphonate and Thalidomide Treatment
Evaluation of Utility of Pharmacokinetic Studies in Phase I Trials of Two Oncology Drugs
Kehua Wu, Larry House, Jacqueline Ramirez, Michael J. Seminerio, and Mark J. Ratain

LETTER TO THE EDITOR
Aflibercept and Its Role in the Treatment of Colorectal Cancer—Letter
Frank A. Sinicrope, Eric E. Williamson, and Daniel D. Borgeson

Variation within 3′-UTRs of Base Excision Repair Genes and Response to Therapy in Colorectal Cancer Patients: A Potential Modulation of microRNAs Binding
Barbara Pardini, Fabio Rosa, Elisa Barone, Cornelia Di Gaetano, Jana Sylskova, Jan Novotny, Miroslav Levy, Sonia Garritano, Ludmila Vodickova, Tomas Buchler, Federica Gemignani, Stefano Landi, Pavel Vodicka, and Alessio Naccarati

AC icon indicates Author Choice
CME icon indicates that this article is available for continuing medical education credit at http://cme.aacrjournals.org
For more information please visit www.aacrjournals.org

ABOUT THE COVER
The cover shows primary cultures of CAFs from colorectal cancer patients: immunofluorescence analyses for α-SMA expression in human primary colon CAFs from two different patients with low and high α-SMA level. For details, see the article by Herrera and colleagues on page 5914 of this issue.