### 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

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

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

### Perspectives

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

### Review

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

#### HUMAN CANCER BIOLOGY

**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

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

**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 Cortelezzi, Pierfrancesco Tassone, Massimo Negrini, Sara Monti, Davide Rossi, Gianluca Gaidano, Manlio Ferrarini, 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
5914  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

5927  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

IMAGING, DIAGNOSIS, PROGNOSIS
5984  Molecular Imaging of Death Receptor 5 Occupancy and Saturation Kinetics In Vivo by Humanized Monoclonal Antibody CS-1008

MARGIN-INFEARING CD20+ B Cells Display an Atypical Memory Phenotype and Correlate with Favorable Prognosis in Hepatocellular Carcinoma
Jie-Yi Shi, Qiang 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

CANCER THERAPY: PRECLINICAL
5940  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

5952  DNA Demethylating Agents Synergize with Oncolytic HSV1 against Malignant Gliomas
Kazuo Okamoto, Kazue Kasai, Benjamin Wagner, Amy Haseley, Hans Meisen, Chelsea Bolyard, Xiaokui Mo, Allison Wehr, Amy Lehman, Soledad Fernandez, Balveen Kaur, and E. Antonio Chiocca

5960  Resistance to CDK2 Inhibitors Is Associated with Selection of Polyploid Cells in CCNE1-Amplified Ovarian Cancer

5972  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

CANCER THERAPY: CLINICAL
6020  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

6030  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

Predictive Biomarkers and Personalized Medicine

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 Slyska, Jan Novotny, Miroslav Levy, Sonia Garritano, Ludmila Vodickova, Tomas Buchler, Federica Gemignani, Stefano Landi, Pavel Vodicka, and Alessio Naccarati

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

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.