### Highlights of This Issue  2721

#### SPECIAL FEATURES

**CCR Translations**

- **CCR Translations**  
  2723  
  Metformin and Pancreatic Cancer: A Clue Requiring Investigation  
  Michael Pollak  
  See article p. 2905  

**Molecular Pathways**

- **Molecular Pathways**  
  2726  
  Molecular Pathways: Vasculogenic Mimicry in Tumor Cells: Diagnostic and Therapeutic Implications  
  Dawn A. Kirschmann, Elisabeth A. Seftor, Katharine M. Hardy, Richard E.B. Seftor, and Mary J.C. Hendrix  

**CCR Focus**

- **CCR Focus**  
  2734  
  Progress in Pediatric Cancer  
  Susan E. Bates  

- **Genetically InFormed Therapies—A "GIFT" for Children with Cancer**  
  Carol J. Thiele and Susan L. Cohn  

- **Promising Therapeutic Targets in Neuroblastoma**  
  Katherine K. Matthay, Rani E. George, and Alice L. Yu  

- **Advances in the Genetics of High-Risk Childhood B-Progenitor Acute Lymphoblastic Leukemia and Juvenile Myelomonocytic Leukemia: Implications for Therapy**  
  Mignon L. Loh and Charles G. Mullighan  

- **Epigenetic Changes in Pediatric Solid Tumors: Promising New Targets**  
  Elizabeth R. Lawlor and Carol J. Thiele  

- **The Future Is Now: Chimeric Antigen Receptors as New Targeted Therapies for Childhood Cancer**  
  Daniel W. Lee, David M. Barrett, Crystal Mackall, Rimas Orentas, and Stephan A. Grupp  

- **Using Germline Genomics to Individualize Pediatric Cancer Treatments**  
  Navin Pinto, Susan L. Cohn, and M. Eileen Dolan  

**Perspective**

- **Disrupting the Networks of Cancer**  
  Daniel F. Camacho and Kenneth J. Pienta  

**Review**

- **Pharmacogenomics in Early-Phase Oncology Clinical Trials: Is There a Sweet Spot in Phase II?**  
  Peter H. O'Donnell and Walter M. Stadler  

**HUMAN CANCER BIOLOGY**

- **Suppression of Skeletal Muscle Turnover in Cancer Cachexia: Evidence from the Transcriptome in Sequential Human Muscle Biopsies**  

- **MAX Mutations Cause Hereditary and Sporadic Pheochromocytoma and Paraganglioma**  
CANCER THERAPY: PRECLINICAL

2850  Lyn Kinase Mediates Cell Motility and Tumor Growth in EGFRvIII-Expressing Head and Neck Cancer
Sarah E. Wheeler, Elena M. Morariu, Joseph S. Bednash, Charlton G. Otte, Raja R. Seethala, Simon I. Chiosea, and Jennifer R. Grandis

2861  L-BLP25 Vaccine plus Letrozole Induces a T<sub>TH1</sub> Immune Response and Has Additive Antitumor Activity in MUC1-Expressing Mammary Tumors in Mice
Neelima R. Mehta, Gregory T. Wurz, Rebekah A. Burich, Brittany E. Greenberg, Stephen Griffey, Audrey Gutierrez, Katie E. Bell, Jamie L. McCall, Michael Wolf, and Michael DeGregorio

IMAGING, DIAGNOSIS, PROGNOSIS

2872  Tumor Infiltrating Immune Cells and Outcome of Merkel Cell Carcinoma: A Population-Based Study
Harri Sihto, Tom Böhling, Heli Kavola, Virve Koljonen, Marko Salmi, Sirpa Jalkanen, and Heikki Joensuu

2882  Global Methylation Profiling for Risk Prediction of Prostate Cancer
Saswati Mahapatra, Eric W. Klee, Charles Y.F. Young, Zhifu Sun, Rafael E. Jimenez, George G. Klee, Donald J. Tindall, and Krishna Vanaja Donkena

2896  Correlation of ERG Expression and DNA Methylation Biomarkers with Adverse Clinicopathologic Features of Prostate Cancer
Ken Kron, Liyang Liu, Dominique Trudel, Vajjayanti Pethe, John Trachtenberg, Neil Fleschner, Bharati Bapat, and Theodorus van der Kwast

CANCER THERAPY: CLINICAL

2905  Metformin Use Is Associated with Better Survival of Diabetic Patients with Pancreatic Cancer
Navid Sadeghi, James L. Abbuzzese, Sai-Ching J. Yeung, Manal Hassan, and Donghui Li
See commentary p. 2723

2913  Pharmacokinetics and Repolarization Effects of Intravenous and Transdermal Granisetron
Jay W. Mason, Daniel S. Selness, Thomas E. Moon, Bridget O’Mahony, Peter Donachie, and Julian Howell

2922  Survival of 1,181 Patients in a Phase I Clinic: The MD Anderson Clinical Center for Targeted Therapy Experience
Jennifer Wheater, Apostolia M. Tsimberidou, David Hong, Aung Naing, Gerald Falchook, Sarina Piha-Paul, Siqing Fu, Stacy Moulder, Betzy Stephen, Sijin Wen, and Razelle Kurzrock

2930  Microarray Analysis Verifies Two Distinct Phenotypes of Glioblastomas Resistant to Antiangiogenic Therapy

2943  Analysis of Spontaneous Tumor-Specific CD4 T-cell Immunity in Lung Cancer Using Promiscuous HLA-DR Telomerase-Derived Epitopes: Potential Synergistic Effect with Chemotherapy Response

2954  Pharmacokinetics and Safety of Bortezomib in Patients with Advanced Malignancies and Varying Degrees of Liver Dysfunction: Phase I NCI Organ Dysfunction Working Group Study NCI-6432
PREDICTIVE BIOMARKERS AND PERSONALIZED MEDICINE

Gender Influences the Class III and V β-Tubulin Ability to Predict Poor Outcome in Colorectal Cancer
Marisa Mariani, Gian Franco Zannoni, Stefano Sioletic, Steven Sieber, Candice Martino, Enrica Martinelli, Claudio Coco, Giovanni Scambia, Shohreh Shahabi, and Cristiano Ferlini

An Apoptosis Methylation Prognostic Signature for Early Lung Cancer in the IFCT-0002 Trial
Florence de Fraipont, Guénaëlle Levallet, Christian Creveuil, Emmanuel Bergot, Michèle Beau-Faller, Mounia Mounawar, Nicolas Richard, Martine Antoine, Isabelle Rouquette, Marie-Christine Favrot, Didier Debieuvre, Denis Braun, Virginie Westeel, Elisabeth Quoix, Elisabeth Brambilla, Pierre Hainaut, Denis Moro-Sibilot, Franck Morin, Bernard Milleron, and Gérard Zalcman on behalf of the Intergroupe Francophone de Cancérologie Thoracique (IFCT)

ABOUT THE COVER

Methylation of the tumor suppressor gene Ras association domain family 1A (RASSF1A) is an independent adverse prognostic factor in patients with early-stage non–small cell lung carcinoma treated in the phase III trial on perioperative chemotherapy, IFCT-0002. The cover image is a photomicrograph showing RASSF1A protein distribution in immortalized interphasic bronchial epithelial cells, HBEC3, using confocal microscopy. RASSF1A is stained in red (Alexa-fluo red-labeled secondary antibody). Nuclei are shown in light purple (DAPI). For details, see the article by de Fraipont and colleagues on page 2976 of this issue.

Prognostic and Predictive Role of JWA and XRCC1 Expressions in Gastric Cancer
Shouyu Wang, Xuming Wu, Yansu Chen, Jianbing Zhang, Jingjing Ding, Yan Zhou, Song He, Yongfei Tan, Fulin Qiang, Jin Bai, Jinyan Zeng, Zhenghua Gong, Aiping Li, Gang Li, Oluf Dimitri Roe, and Jianwei Zhou