# Highlights of This Issue 4975

## SPECIAL FEATURES

### Editorial

4977  
**AACR Cancer Progress Report 2014: Transforming Lives Through Research**  
Jesse Potash and Kenneth C. Anderson

### Policy Statement

4978  
**Reliable and Effective Diagnostics Are Keys to Accelerating Personalized Cancer Medicine and Transforming Cancer Care: A Policy Statement from the American Association for Cancer Research**  
Charles L. Sawyers and Laura J. van ‘t Veer

### CCR Translations

4982  
**The Future of Cancer Therapy: Selecting Patients Likely to Respond to PD1/L1 Blockade**  
Antoni Ribas and Paul C. Tumeh  
*See related article, p. 5064*

### CCR New Strategies

4985  
**New Strategies in Acute Promyelocytic Leukemia: Moving to an Entirely Oral, Chemotherapy-Free Upfront Management Approach**  
Amer M. Zeidan and Steven D. Gore

### CCR Perspectives in Drug Approval

4994  
**FDA Approval Summary: Vemurafenib for Treatment of Unresectable or Metastatic Melanoma with the BRAF V600E Mutation**  
Geoffrey Kim, Amy E. McKee, Yang-Min Ning, Maitreyee Hazarika, Marc Theoret, John R. Johnson, Qiang Casey Xu, Shenghui Tang, Rajeshwari Sridhara, Xiaoping Jiang, Kun He, Donna Roscoe, W. David McGuinn, Whitney S. Helms, Anne Marie Russell, Sarah Pope Mikinski, Jeanne Fourie Zirkelbach, Justin Earp, Qi Liu, Anna Ibrahim, Robert Justice, and Richard Pazdur

## Molecular Pathways

5001  
**Molecular Pathways: Deregulation of Histone H3 Lysine 27 Methylation in Cancer—Different Paths, Same Destination**  
Teresa Ezponda and Jonathan D. Licht

## CANCER THERAPY: CLINICAL

5009  
**A Recombinant Modified Vaccinia Ankara Vaccine Encoding Epstein-Barr Virus (EBV) Target Antigens: A Phase I Trial in UK Patients with EBV-Positive Cancer**  

5023  
**Phase II Study of Bevacizumab, Temozolomide, and Hypofractionated Stereotactic Radiotherapy for Newly Diagnosed Glioblastoma**  

5032  
**Phase I First-in-Human Study of CUDC-101, a Multitargeted Inhibitor of HDACs, EGFR, and HER2 in Patients with Advanced Solid Tumors**  
Toshio Shimizu, Patricia M. LoRusso, Kyri P. Papadopoulos, Amita Patnaik, Muralidhar Beeram, Lon S. Smith, Drew W. Rasco, Theresa A. Mays, Glenda Chambers, Anna Ma, Jing Wang, Robert Laliberte, Maurizio Voi, and Anthony W. Tolcher

PERSONALIZED MEDICINE AND IMAGING
5052  Prolongation of Overall Survival in Advanced Lung Adenocarcinoma Patients with the XAGE1 (GAGED2a) Antibody  Yoshihiro Ohue, Koji Kurose, Yu Mizote, Hirofumi Matsumoto, Yumi Nishio, Midori Isobe, Minoru Fukuda, Akiko Uenaka, Mikio Oka, and Eiichi Nakayama

5064  Association of PD-1, PD-1 Ligands, and Other Features of the Tumor Immune Microenvironment with Response to Anti–PD-1 Therapy  Janis M. Taube, Alison Klein, Julie R. Brahmer, Haiying Xu, Xiaoyu Pan, Jung H. Kim, Lieping Chen, Drew M. Fardoll, Suzanne L. Topalian, and Robert A. Anders  See related commentary, p. 4982

CANCER THERAPY: PRECLINICAL
5075  Anti-CCR4 Monoclonal Antibody Mogamulizumab for the Treatment of EBV-Associated T- and NK-Cell Lymphoproliferative Diseases  Tetsuhiro Kanazawa, Yutaka Hiramatsu, Seiko Iwata, Mohammed Siddiquey, Yoshitaka Sato, Michio Suzuki, Yoshinori Ito, Fumi Goshima, Takayuki Murata, and Hiroshi Kimura

5085  Combined Inhibition of Wee1 and PARP1/2 for Radiosensitization in Pancreatic Cancer  David Karnak, Carl G. Engelke, Leslie A. Parsels, Tasneem Kausar, Dongping Wei, Jordan R. Robertson, Katherine B. Marsh, Mary A. Davis, Lili Zhao, Jonathan Maybaum, Theodore S. Lawrence, and Meredith A. Morgan

5097  Overexpression of Smad7 Blocks Primary Tumor Growth and Lung Metastasis Development in Osteosarcoma  Audrey Lamora, Julie Talbot, Gwenola Bougras, Jérôme Amiaud, Marion Leduc, Julie Chesneau, Julien Taurelle, Verena Stresing, Marie Cécile Le Deley, Marie Françoise Heymann, Dominique Heymann, Françoise Redini, and Franck Verrecchia

BIOLOGY OF HUMAN TUMORS
5113  Clinical Implications of Phosphorylated STAT3 Expression in De Novo Diffuse Large B-cell Lymphoma  Chi Young Ok, Jaeyu Chen, Zijian Y. Xu-Monette, Alexandar Tzankov, Ganiriya C. Manyam, Ling Li, Carlo Visco, Santiago Montes-Moreno, Karen Dybkaer, April Chiu, Attilio Orazzi, Youli Zu, Govind Bhagat, Kristy L. Richards, Eric D. Hsi, William W.L. Choi, J. Han van Krieken, Jooyung Huh, Xiaoying Zhao, Maurilio Ponzoni, Andrés J.M. Ferrer, Francesco Bertoni, John F. Farnen, Michael B. Moller, Miguel A. Piris, Jane N. Winter, L. Jeffrey Medeiros, and Ken H. Young

5124  Low PIAS3 Expression in Malignant Mesothelioma Is Associated with Increased STAT3 Activation and Poor Patient Survival  Snehal Dabir, Amy Kluge, Michael Yang, Pingfu Fu, Bernd Groner, Gary Wildey, and Afshin Dowlati

5133  The Prostate Cancer Susceptibility Variant rs2735839 Near KLK3 Gene Is Associated with Aggressive Prostate Cancer and Can Stratify Gleason Score 7 Patients  Yonggang He, Jian Gu, Sara Strom, Christopher J. Logothetis, Jeri Kim, and Xifeng Wu

LETTERS TO THE EDITOR