

Highlights of This Issue 3477

SPECIAL FEATURES

CCR Drug Updates

- 3479** FDA Approval of Nivolumab for the First-Line Treatment of Patients with BRAF^{V600} Wild-Type Unresectable or Metastatic Melanoma
Julia A. Beaver, Marc R. Theoret, Sirisha Mushti, Kun He, Meredith Libeg, Kirsten Goldberg, Rajeshwari Sridhara, Amy E. McKee, Patricia Keegan, and Richard Pazdur
- 3484** U.S. FDA Approval Summary: Nivolumab for Treatment of Unresectable or Metastatic Melanoma Following Progression on Ipilimumab
Maitreyee Hazarika, Meredith K. Chuk, Marc R. Theoret, Sirisha Mushti, Kun He, Shawna L. Weis, Alexander H. Putman, Whitney S. Helms, Xianhua Cao, Hongshan Li, Hong Zhao, Liang Zhao, Joel Welch, Laurie Graham, Meredith Libeg, Rajeshwari Sridhara, Patricia Keegan, and Richard Pazdur

Review




- 3489** Clinically Relevant Concentrations of Anticancer Drugs: A Guide for Nonclinical Studies
Dane R. Liston and Myrtle Davis

CANCER THERAPY: CLINICAL

- 3499** Vaccination Targeting Native Receptors to Enhance the Function and Proliferation of Chimeric Antigen Receptor (CAR)-Modified T Cells
Miyuki Tanaka, Haruko Tashiro, Bilal Omer, Natasha Lapteva, Jun Ando, Minhtran Ngo, Birju Mehta, Gianpietro Doti, Paul R. Kinchington, Ann M. Leen, Claudia Rossig, and Cliona M. Rooney
- 3510** Adoptive Transfer of Invariant NKT Cells as Immunotherapy for Advanced Melanoma: A Phase I Clinical Trial
Mark A. Exley, Phillip Friedlander, Nadia Alatrakchi, Lianne Vriend, Simon Yue, Tetsuro Sasada, Wanyong Zeng, Yo Mizukami, Justice Clark, David Nemer, Kenneth LeClair, Christine Canning, Heather Daley, Glenn Dranoff, Anita Giobbie-Hurder, F. Stephen Hodi, Jerome Ritz, and Steven P. Balk

- 3520** Phase Ib Study of Safety and Pharmacokinetics of the PI3K Inhibitor SAR245408 with the HER3-Neutralizing Human Antibody SAR256212 in Patients with Solid Tumors
Vandana G. Abramson, Jeffrey G. Supko, Tarah Ballinger, James M. Cleary, John F. Hilton, Sara M. Tolaney, Nicole G. Chau, Daniel C. Cho, Joseph Pearlberg, Joanne Lager, Geoffrey I. Shapiro, and Carlos L. Arteaga
- 3529** Phase I Study of ONT-380, a HER2 Inhibitor, in Patients with HER2⁺-Advanced Solid Tumors, with an Expansion Cohort in HER2⁺ Metastatic Breast Cancer (MBC)
Stacy L. Moulder, Virginia F. Borges, Tara Baetz, Tessa Mcspadden, Gina Fernetich, Rashmi K. Murthy, Renae Chavira, Kari Guthrie, Emma Barrett, and Stephen K. Chia
- 3537** Body Composition as a Predictor of Toxicity in Patients Receiving Anthracycline and Taxane-Based Chemotherapy for Early-Stage Breast Cancer
Shlomit Strulov Shachar, Allison M. Deal, Marc Weinberg, Grant R. Williams, Kirsten A. Nyrop, Karteek Popuri, Seul Ki Choi, and Hyman B. Muss
- 3544** Safety and Antitumor Activity of Apalutamide (ARN-509) in Metastatic Castration-Resistant Prostate Cancer with and without Prior Abiraterone Acetate and Prednisone
Dana E. Rathkopf, Emmanuel S. Antonarakis, Neal D. Shore, Ronald F. Tutrone, Joshi J. Alumkal, Charles J. Ryan, Mansoor Saleh, Ralph J. Hauke, Rajesh Bandekar, Edna Chow Maneval, Carla J. de Boer, Margaret K. Yu, and Howard I. Scher
- 3552** Results from a Phase I/II Open-Label, Dose-Finding Study of Pralatrexate and Oral Bexarotene in Patients with Relapsed/Refractory Cutaneous T-cell Lymphoma
Madeleine Duvic, Youn H. Kim, Pier Luigi Zinzani, and Steven M. Horwitz
- 3557** The DART Study: Results from the Dose-Escalation and Expansion Cohorts Evaluating the Combination of Dalantercept plus Axitinib in Advanced Renal Cell Carcinoma
Martin H. Voss, Rupal S. Bhatt, Elizabeth R. Plimack, Brian I. Rini, Robert S. Alter, J. Thaddeus Beck, Dawn Wilson, Xiaosha Zhang, Musa Mutyaba, Chad Glasser, Kenneth M. Attie, Matthew L. Sherman, Shuchi S. Pandya, and Michael B. Atkins

Table of Contents

- 3566** Intratumoral Injection of HSV1716, an Oncolytic Herpes Virus, Is Safe and Shows Evidence of Immune Response and Viral Replication in Young Cancer Patients
 Keri A. Streby, James I. Geller, Mark A. Currier, Patrick S. Warren, John M. Racadio, Alexander J. Towbin, Michele R. Vaughan, Melinda Triplet, Kristy Ott-Napier, Devon J. Dishman, Lori R. Backus, Beth Stockman, Marianne Brunner, Kathleen Simpson, Robert Spavin, Joe Conner, and Timothy P. Cripe
- 3575** Autologous Heat Shock Protein Peptide Vaccination for Newly Diagnosed Glioblastoma: Impact of Peripheral PD-L1 Expression on Response to Therapy
Orin Bloch, Michael Lim, Michael E. Sughrue, Ricardo J. Komotar, John M. Abrahams, Donald M. O'Rourke, Anthony D'Ambrosio, Jeffrey N. Bruce, and Andrew T. Parsa
- 3585** Agreement between Programmed Cell Death Ligand-1 Diagnostic Assays across Multiple Protein Expression Cutoffs in Non-Small Cell Lung Cancer
 Marianne J. Ratcliffe, Alan Sharpe, Anita Midha, Craig Barker, Marietta Scott, Paul Scorer, Hytham Al-Masri, Marlon C. Rebelatto, and Jill Walker
- 3592** Exposure-Response Analysis of Alvocidib (Flavopiridol) Treatment by Bolus or Hybrid Administration in Newly Diagnosed or Relapsed/Refractory Acute Leukemia Patients
Carl LaCerte, Vijay Ivaturi, Joga Gobburu, Jacqueline M. Greer, L. Austin Doyle, John J. Wright, Judith E. Karp, and Michelle A. Rudek
- 3601** Prospective Evaluation of Sunitinib-Induced Cardiotoxicity in Patients with Metastatic Renal Cell Carcinoma
Vivek Narayan, Stephen Keefe, Naomi Haas, Le Wang, Igor Puzanov, Mary Putt, Anna Catino, James Fang, Neeraj Agarwal, David Hyman, Amanda M. Smith, Brian S. Finkelman, Hari K. Narayan, Steven Ewer, Chantal ElAmm, Daniel Lenihan, and Bonnie Ky
- 3619** Usefulness of KIR3DL2 to Diagnose, Follow-Up, and Manage the Treatment of Patients with Sézary Syndrome
Charlotte Hurabielle, Nicolas Thonnart, Caroline Ram-Wolff, H el ene Sicard, Armand Bensussan, Martine Bagot, and Anne Marie-Cardine
- 3628** Early Detection of Ovarian Cancer using the Risk of Ovarian Cancer Algorithm with Frequent CA125 Testing in Women at Increased Familial Risk – Combined Results from Two Screening Trials
Steven J. Skates, Mark H. Greene, Sandra S. Buys, Phuong L. Mai, Powel Brown, Marion Piedmonte, Gustavo Rodriguez, John O. Schorge, Mark Sherman, Mary B. Daly, Thomas Rutherford, Wendy R. Brewster, David M. O'Malley, Edward Partridge, John Boggess, Charles W. Drescher, Claudine Isaacs, Andrew Berchuck, Susan Domchek, Susan A. Davidson, Robert Edwards, Steven A. Elg, Katie Wakeley, Kelly-Anne Phillips, Deborah Armstrong, Ira Horowitz, Carol J. Fabian, Joan Walker, Patrick M. Sluss, William Welch, Lori Minasian, Nora K. Horick, Carol H. Kasten, Susan Nayfield, David Alberts, Dianne M. Finkelstein, and Karen H. Lu
- 3638** Correlation between Ferumoxytol Uptake in Tumor Lesions by MRI and Response to Nanoliposomal Irinotecan in Patients with Advanced Solid Tumors: A Pilot Study
 Ramesh K. Ramanathan, Ronald L. Korn, Natarajan Raghunand, Jasjit C. Sachdev, Ronald G. Newbold, Gayle Jameson, Gerald J. Fetterly, Joshua Prey, Stephan G. Klinz, Jaeyeon Kim, Jason Cain, Bart S. Hendriks, Daryl C. Drummond, Eliel Bayever, and Jonathan B. Fitzgerald
- 3649** Disease Characteristics and Prognostic Implications of Cell-Surface FLT3 Receptor (CD135) Expression in Pediatric Acute Myeloid Leukemia: A Report from the Children's Oncology Group
Katherine Tarlock, Todd A. Alonzo, Michael R. Loken, Robert B. Gerbing, Rhonda E. Ries, Richard Aplenc, Lillian Sung, Susana C. Raimondi, Betsy A. Hirsch, Samir B. Kahwash, Amy McKenney, E. Anders Kolb, Alan S. Gamis, and Soheil Meshinchi

PERSONALIZED MEDICINE AND IMAGING

- 3610** DNA Damage Response and Repair Gene Alterations Are Associated with Improved Survival in Patients with Platinum-Treated Advanced Urothelial Carcinoma
Min Yuen Teo, Richard M. Bambury, Emily C. Zabor, Emmet Jordan, Hikmat Al-Ahmadie, Mariel E. Boyd, Nancy Bouvier, Stephanie A. Mullane, Eugene K. Cha, Nitin Roper, Irina Ostrovnya, David M. Hyman, Bernard H. Bochner, Maria E. Arcila, David B. Solit, Michael F. Berger, Dean F. Bajorin, Joaquim Bellmunt, Gopakumar Iyer, and Jonathan E. Rosenberg

Table of Contents

3657 Mutation-Enrichment Next-Generation Sequencing for Quantitative Detection of KRAS Mutations in Urine Cell-Free DNA from Patients with Advanced Cancers

Takeo Fujii, Afsaneh Barzi, Andrea Sartore-Bianchi, Andrea Cassingena, Giulia Siravegna, Daniel D. Karp, Sarina A. Piha-Paul, Vivek Subbiah, Apostolia M. Tsimberidou, Helen J. Huang, Silvio Veronese, Federica Di Nicolantonio, Sandeep Pingle, Cecile Rose T. Vibat, Saegre Hancock, David Berz, Vladislava O. Melnikova, Mark G. Erlander, Rajyalakshmi Luthra, E. Scott Kopetz, Funda Meric-Bernstam, Salvatore Siena, Heinz-Josef Lenz, Alberto Bardelli, and Filip Janku

3667 Differentiation between Radiation Necrosis and Tumor Progression Using Chemical Exchange Saturation Transfer

Hatef Mehrabian, Kimberly L. Desmond, Hany Soliman, Arjun Sahgal, and Greg J. Stanisz

3676 Pathological Complete Response to Neoadjuvant Trastuzumab Is Dependent on HER2/CEP17 Ratio in HER2-Amplified Early Breast Cancer

Christian F. Singer, Yen Y. Tan, Florian Fitzal, Guenther G. Steger, Daniel Egle, Angelika Reiner, Margaretha Rudas, Farid Moïfar, Christine Gruber, Edgar Petru, Rupert Bartsch, Kristina A. Tendl, David Fuchs, Michael Seifert, Ruth Exner, Marija Balic, Zsuzsanna Bago-Horvath, Martin Filipits, and Michael Gnant, for the Austrian Breast and Colorectal Cancer Study Group

3684 CT Perfusion as an Early Biomarker of Treatment Efficacy in Advanced Ovarian Cancer: An ACRIN and GOG Study



Chaan S. Ng, Zheng Zhang, Susanna I. Lee, Helga S. Marques, Kyle Burgers, Feng Su, Joseph Bauza, Robert S. Mannel, Joan L. Walker, Warner King Huh, Stephen C. Rubin, Paul DiSilvestro, Lainie P. Martin, John K. Chan, Michael A. Bookman, Robert L. Coleman, and Ting-Yim Lee

3692 Prebiopsy mp-MRI Can Help to Improve the Predictive Performance in Prostate Cancer: A Prospective Study in 1,478 Consecutive Patients

Rui Wang, Jing Wang, Ge Gao, Juan Hu, Yuanyuan Jiang, Zhenlong Zhao, Xiaodong Zhang, Yu-Dong Zhang, and Xiaoying Wang

3700 Deep Sequencing of Urinary RNAs for Bladder Cancer Molecular Diagnostics

Mandy L.Y. Sin, Kathleen E. Mach, Rahul Sinha, Fan Wu, Dharati R. Trivedi, Emanuela Altobelli, Kristin C. Jensen, Debashis Sahoo, Ying Lu, and Joseph C. Liao

CANCER THERAPY: PRECLINICAL

3711 PARP Inhibitor Upregulates PD-L1 Expression and Enhances Cancer-Associated Immunosuppression

Shiping Jiao, Weiya Xia, Hirohito Yamaguchi, Yongkun Wei, Mei-Kuang Chen, Jung-Mao Hsu, Jennifer L. Hsu, Wen-Hsuan Yu, Yi Du, Heng-Huan Lee, Chia-Wei Li, Chao-Kai Chou, Seung-Oe Lim, Shih-Shin Chang, Jennifer Litton, Banu Arun, Gabriel N. Hortobagyi, and Mien-Chie Hung

3721 Blocking Tumor-Educated MSC Paracrine Activity Halts Osteosarcoma Progression

S. Rubina Baglio, Tonny Lagerweij, Maria Pérez-Lanzón, Xuan Dung Ho, Nicolas Léveillé, Sonia A. Melo, Anne-Marie Cleton-Jansen, Ekaterina S. Jordanova, Laura Roncuzzi, Michelina Greco, Monique A.J. van Eijndhoven, Giulia Grisendi, Massimo Dominici, Roberta Bonafede, Sinead M. Loughheed, Tanja D. de Gruijl, Nicoletta Zini, Silvia Cervo, Agostino Steffan, Vincenzo Canzonieri, Aare Martson, Katre Maasalu, Sulev Köks, Tom Wurdinger, Nicola Baldini, and D. Michiel Pegtel

3734 Comparison of Acalabrutinib, A Selective Bruton Tyrosine Kinase Inhibitor, with Ibrutinib in Chronic Lymphocytic Leukemia Cells

Viralkumar Patel, Kumudha Balakrishnan, Elena Bibikova, Mary Ayres, Michael J. Keating, William G. Wierda, and Varsha Gandhi

3744 Bioluminescence Imaging Enhances Analysis of Drug Responses in a Patient-Derived Xenograft Model of Pediatric ALL

Luke Jones, Jennifer Richmond, Kathryn Evans, Hernan Carol, Duohui Jing, Raushan T. Kurmasheva, Catherine A. Billups, Peter J. Houghton, Malcolm A. Smith, and Richard B. Lock

3756 Activation of EIF4E by Aurora Kinase A Depicts a Novel Druggable Axis in Everolimus-Resistant Cancer Cells

Ahmed Katsha, Lihong Wang, Janet Arras, Omar M. Omar, Jeffrey Ecsedy, Abbas Belkhir, and Wael El-Rifai

3769 An Integrated Approach Identifies Mediators of Local Recurrence in Head and Neck Squamous Carcinoma

Francesca Citron, Joshua Armenia, Giovanni Franchin, Jerry Polesel, Renato Talamini, Sara D'Andrea, Sandro Sulfaro, Carlo M. Croce, William Klement, David Otasek, Chiara Pastrello, Tomas Tokar, Igor Jurisica, Deborah French, Riccardo Bomben, Emanuela Vaccher, Diego Serraino, Barbara Belletti, Andrea Vecchione, Luigi Barzan, and Gustavo Baldassarre

Table of Contents

- 3781 Preclinical Development of a Nontoxic Oral Formulation of Monoethanolamine, a Lipid Precursor, for Prostate Cancer Treatment**
Roopali Saxena, Chunhua Yang, Mukkavilli Rao, Ravi Chakra Turaga, Chakravarthy Garlapati, Sushma Reddy Gundala, Kimberly Myers, Ahmed Ghareeb, Shristi Bhattarai, Golnaz Kamalinia, Sangina Bristi, Dan Su, Giovanni Gadda, Padmashree C.G. Rida, Guilherme H. Cantuaria, and Ritu Aneja
- 3794 Bevacizumab May Differentially Improve Ovarian Cancer Outcome in Patients with Proliferative and Mesenchymal Molecular Subtypes**
Stefan Kommoss, Boris Winterhoff, Ann L. Oberg, Gottfried E. Konecny, Chen Wang, Shaun M. Riska, Jian-Bing Fan, Matthew J. Maurer, Craig April, Viji Shridhar, Friedrich Kommoss, Andreas du Bois, Felix Hilpert, Sven Mahner, Klaus Baumann, Willibald Schroeder, Alexander Burges, Ulrich Canzler, Jeremy Chien, Andrew C. Embleton, Mahesh Parmar, Richard Kaplan, Timothy Perren, Lynn C. Hartmann, Ellen L. Goode, Sean C. Dowdy, and Jacobus Pfisterer
- 3802 Active Estrogen Receptor-alpha Signaling in Ovarian Cancer Models and Clinical Specimens**
Courtney L. Andersen, Matthew J. Sikora, Michelle M. Boisen, Tianzhou Ma, Alec Christie, George Tseng, Yongseok Park, Soumya Luthra, Uma Chandran, Paul Haluska, Gina M. Mantia-Smaldone, Kunle Odunsi, Karen McLean, Adrian V. Lee, Esther Elishaev, Robert P. Edwards, and Steffi Oesterreich
- 3834 Stabilization of Notch1 by the Hsp90 Chaperone is Crucial for T-Cell Leukemogenesis**
Zhaojing Wang, Yufeng Hu, Daibiao Xiao, Jingchao Wang, Chuntao Liu, Yisheng Xu, Xiaomeng Shi, Peng Jiang, Liang Huang, Peng Li, Hudan Liu, and Guoliang Qing
- 3847 The Interplay Between Neutrophils and CD8⁺ T Cells Improves Survival in Human Colorectal Cancer**
Valeria Governa, Emanuele Trella, Valentina Mele, Luigi Tomillo, Francesca Amicarella, Eleonora Cremonesi, Manuele Giuseppe Muraro, Hui Xu, Raoul Droesser, Silvio R. Däster, Martin Bolli, Raffaele Rosso, Daniel Oertli, Serenella Eppenberger-Castori, Luigi M. Terracciano, Giandomenica Iezzi, and Giulio C. Spagnoli
- 3859 The Landscape of Somatic Genetic Alterations in Metaplastic Breast Carcinomas**
Charlotte K.Y. Ng, Salvatore Piscuoglio, Felipe C. Geyer, Kathleen A. Burke, Fresia Pareja, Carey A. Eberle, Raymond S. Lim, Rachael Natrajan, Nadeem Riaz, Odette Mariani, Larry Norton, Anne Vincent-Salomon, Y. Hannah Wen, Britta Weigelt, and Jorge S. Reis-Filho
- 3871 The Cargo Protein MAP17 (PDZK1IP1) Regulates the Cancer Stem Cell Pool Activating the Notch Pathway by Abducting NUMB**
Jose Manuel Garcia-Heredia, Antonio Lucena-Cacace, Eva M. Verdugo-Sivianes, Marco Pérez, and Amancio Camero
- 3884 Role of Host miRNA Hsa-miR-139-3p in HPV-16-Induced Carcinomas**
M.K. Sannigrabi, Rajni Sharma, Varinder Singh, Naresh K. Panda, Vidya Rattan, and Madhu Khullar
- 3896 Hypoxia Causes Downregulation of Dicer in Hepatocellular Carcinoma, Which Is Required for Upregulation of Hypoxia-Inducible Factor 1 α and Epithelial-Mesenchymal Transition**
Ahmed Atef Ibrahim, Christian Schmithals, Erik Kowarz, Verena Köberle, Bianca Kakoschky, Thomas Pleli, Otto Kollmar, Scarlett Nitsch, Oliver Waidmann, Fabian Finkelmeier, Stefan Zeuzem, Horst-Werner Korf, Tobias Schmid, Andreas Weigert, Bernd Kronenberger, Rolf Marschalek, and Albrecht Piiper
- 3906 MUC16 Regulates TSPYL5 for Lung Cancer Cell Growth and Chemoresistance by Suppressing p53**
Imayavaramban Lakshmanan, Shereen Salfity, Parthasarathy Seshacharyulu, Satyanarayana Rachagani, Abigail Thomas, Srustidhar Das, Prabin D. Majhi, Rama Krishna Nimmakayala, Raghupathy Vengoji, Subodh M. Lele, Moorthy P. Ponnusamy, Surinder K. Batra, and Apar Kishor Ganti

BIOLOGY OF HUMAN TUMORS

- 3813 Genome-wide DNA Methylation Profiling Reveals Methylation Markers Associated with 3q Gain for Detection of Cervical Precancer and Cancer**
Wina Verlaat, Peter J.F. Snijders, Putri W. Novianti, Saskia M. Wilting, Lise M.A. De Strooper, Geert Trooskens, Johan Vandersmissen, Wim Van Criekinge, G. Bea A. Wisman, Chris J.L.M. Meijer, Daniëlle A.M. Heideman, and Renske D.M. Steenbergen
- 3823 Gleason Score 7 Prostate Cancers Emerge through Branched Evolution of Clonal Gleason Pattern 3 and 4**
Adam G. Sowalsky, Haydn T. Kissick, Sean J. Gerrin, Rachel J. Schaefer, Zheng Xia, Joshua W. Russo, M. Simo Arredouani, Glenn J. Bublej, Martin G. Sanda, Wei Li, Huihui Ye, and Steven P. Balk

Table of Contents

3918 Circular RNA ciRS-7—A Promising Prognostic Biomarker and a Potential Therapeutic Target in Colorectal Cancer

Wenhao Weng, Qing Wei, Shusuke Toden, Kazuhiro Yoshida, Takeshi Nagasaka, Toshiyoshi Fujiwara, Sanjun Cai, Huanlong Qin, Yanlei Ma, and Ajay Goel

3929 Merkel Cell Carcinomas Arising in Autoimmune Disease Affected Patients Treated with Biologic Drugs, Including Anti-TNF



John Charles Rotondo, Ilaria Bononi, Andrea Puozzo, Marcello Govoni, Valentina Foschi, Giovanni Lanza, Roberta Gafá, Pauline Gaboriaud, Françoise AntoineTouzé, Rita Selvatici, Fernanda Martini, and Mauro Tognon

3935 Predicting the Grade of Dysplasia of Pancreatic Cystic Neoplasms Using Cyst Fluid DNA Methylation Markers

Tatsuo Hata, Marco Dal Molin, Seung-Mo Hong, Koji Tamura, Masaya Suenaga, Jun Yu, Hiraku Sedogawa, Matthew J. Weiss, Christopher L. Wolfgang, Anne Marie Lennon, Ralph H. Hruban, and Michael G. Goggins

3945 Alterations in the Immune Cell Composition in Premalignant Breast Tissue that Precede Breast Cancer Development

Amy C. Degnim, Tanya L. Hoskin, Muhammad Arshad, Marlene H. Frost, Stacey J. Winham, Rushin A. Brahmhatt, Alvaro Pena, Jodi M. Carter, Melody L. Stallings-Mann, Linda M. Murphy, Erin E. Miller, Lori A. Denison, Celine M. Vachon, Keith L. Knutson, Derek C. Radisky, and Daniel W. Visscher

3953 In Hepatocellular Carcinoma miR-221 Modulates Sorafenib Resistance through Inhibition of Caspase-3–Mediated Apoptosis

Francesca Fornari, Daniela Pollutri, Clarissa Patrizi, Tiziana La Bella, Sara Marinelli, Andrea Casadei Gardini, Giorgia Marisi, Marco Baron Toaldo, Michele Baglioni, Veronica Salvatore, Elisa Callegari, Maurizio Baldassarre, Marzia Galassi, Catia Giovannini, Matteo Cescon, Matteo Ravaioli, Massimo Negrini, Luigi Bolondi, and Laura Gramantieri

LETTER TO THE EDITOR

3966 Resistance Mechanisms to AZD9291 and Rociletinib—Letter

Nele Van Der Steen, Christian Rolfo, Patrick Pauwels, Adrianus J. de Langen, Godefridus J. Peters, and Elisa Giovannetti

3967 Resistance Mechanisms to AZD9291 and Rociletinib—Response

Reinhard Büttner, Jürgen Wolf, Roman K. Thomas, and Martin L. Sos

CORRECTIONS

3969 Correction: Polyphenon E Enhances the Antitumor Immune Response in Neuroblastoma by Inactivating Myeloid Suppressor Cells

3970 Correction: A Phase II Trial of Abiraterone Combined with Dutasteride for Men with Metastatic Castration-Resistant Prostate Cancer

3971 Correction: UNC2025, a MERTK Small-Molecule Inhibitor, Is Therapeutically Effective Alone and in Combination with Methotrexate in Leukemia Models

RETRACTION

3973 Retraction: GRM1 is An Androgen-Regulated Gene and its Expression Correlates with Prostate Cancer Progression in Pre-Clinical Models

 AC icon indicates AuthorChoice

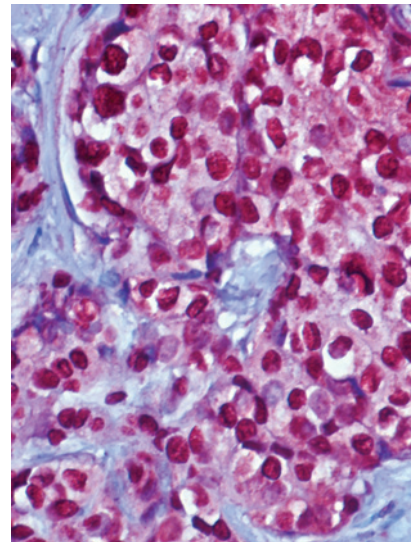
For more information please visit www.aacrjournals.org



Table of Contents

ABOUT THE COVER

The cover shows a section of a tumor tissue from a patient with breast cancer. Immunohistochemical staining shows strong poly-ADP-ribosylation in the tumor tissue while adjacent tissue shows negative programmed death-ligand-1 expression (not shown here). For details, see the article by Jiao and colleagues on page 3711 of this issue.



Clinical Cancer Research

23 (14)

Clin Cancer Res 2017;23:3477-3973.

Updated version Access the most recent version of this article at:
<http://clincancerres.aacrjournals.org/content/23/14>

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, use this link <http://clincancerres.aacrjournals.org/content/23/14>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.