<table>
<thead>
<tr>
<th>Highlights of This Issue</th>
<th>1187</th>
</tr>
</thead>
</table>

**SPECIAL FEATURES**

**CCR Translations**

1189 | PET Imaging of Tumor Growth: Not as Easy as It Looks | 1189 |
| Anthony F. Shields | See article p. 1303 |

1192 | Rehabilitation for Oncogene Addiction: Role of Immunity in Cellular Sobriety | 1192 |
| David L. Bajor and Robert H. Vonderheide | See article p. 1386 |

**CCR New Strategies**

1195 | New Strategies in Melanoma: Molecular Testing in Advanced Disease | 1195 |
| Scott E. Woodman, Alexander J. Lazar, Kenneth D. Aldape, and Michael A. Davies |

**Molecular Pathways**

1201 | Molecular Pathways: Beta-Adrenergic Signaling in Cancer | 1201 |
| Steven W. Cole and Anil K. Sood |

1207 | Molecular Pathways: Hypoxia Response in Immune Cells Fighting or Promoting Cancer | 1207 |
| Asis Palazón, Julián Aragonés, Aizea Morales-Kastresana, Manuel Ortiz de Landázuri, and Ignacio Melero |

1214 | Here, There Be Dragons: Charting Autophagy-Related Alterations in Human Tumors | 1214 |
| Chandra B. Lebovitz, Svetlana B. Bortnik, and Sharon M. Gorski |

**HUMAN CANCER BIOLOGY**

1227 | Activation of PI3K Signaling in Merkel Cell Carcinoma | 1227 |
| Valentina Nardi, Younghai Song, Juan A. Santamaria-Barría, Arjola K. Cosper, Quynh Lam, Anthony C. Faber, Genevieve M. Boland, Beow Y. Yeap, Kristin Bergethon, Vanessa L. Sicilabha, Hensin Tsao, Jeffrey Settleman, David P. Ryan, Darrell R. Borger, Atul K. Bhan, Mai P. Hoang, Anthony J. Iafrate, James C. Cusack, Jeffrey A. Engelman, and Dora Dias-Santagata |

1237 | Infiltration of Lynch Colorectal Cancers by Activated Immune Cells Associates with Early Staging of the Primary Tumor and Absence of Lymph Node Metastases | 1237 |

1246 | HDL of Patients with Type 2 Diabetes Mellitus Elevates the Capability of Promoting Breast Cancer Metastasis | 1246 |
| Bing Pan, Hui Ren, Yubin He, Xiaofeng Lv, Yijing Ma, Jing Li, Li Huang, Baoqi Yu, Jian Kong, Chengguang Niu, Youyi Zhang, Wen-bing Sun, and Lemin Zheng |

1257 | Downregulation of SMG-1 in HPV-Positive Head and Neck Squamous Cell Carcinoma Due to Promoter Hypermethylation Correlates with Improved Survival | 1257 |
| Evgenia Gubanova, Brandee Brown, Sergei V. Ivanov, Thomas Helleday, Gordon B. Mills, Wendell G. Yarbrough, and Natalia Issaeva |

**CANCER THERAPY: PRECLINICAL**

1268 | Telomestatin Impairs Glioma Stem Cell Survival and Growth through the Disruption of Telomeric G-Quadruplex and Inhibition of the Proto-oncogene, c-Myb | 1268 |
| Takeshi Miyazaki, Yang Pan, Kaushal Joshi, Deepi Purohit, Bin Hu, Habibe Demirci, Sarmistha Mazumder, Sachiko Okabe, Takao Yamori, Mariano Viapiano, Kazuo Shin-ya, Hiroyuki Seimiya, and Ichiro Nakano |
SKI-606, an Src Inhibitor, Reduces Tumor Growth, Invasion, and Distant Metastasis in a Mouse Model of Thyroid Cancer
Won Gu Kim, Celine J. Guigon, Laura Fozzatti, Jeong Won Park, Changxue Lu, Mark C. Willingham, and Sheue-yann Cheng

Polymeric Nanoparticle-Encapsulated Hedgehog Pathway Inhibitor HPI-1 (NanoHHI) Inhibits Systemic Metastases in an Orthotopic Model of Human Hepatocellular Carcinoma
Yang Xu, Venugopal Chenna, Chaoxin Hu, Hai-Xiang Sun, Mehtab Khan, Haibo Bai, Xin-Rong Yang, Qin-Feng Zhu, Yun-Fan Sun, Anirban Maitra, Jia Fan, and Robert A. Anders

Polymeric Nanoparticle-Encapsulated Hedgehog Pathway Inhibitor HPI-1 (NanoHHI) Inhibits Systemic Metastases in an Orthotopic Model of Human Hepatocellular Carcinoma
Yang Xu, Venugopal Chenna, Chaoxin Hu, Hai-Xiang Sun, Mehtab Khan, Haibo Bai, Xin-Rong Yang, Qin-Feng Zhu, Yun-Fan Sun, Anirban Maitra, Jia Fan, and Robert A. Anders

1291

[18F]FLT–PET Imaging Does Not Always "Light Up" Proliferating Tumor Cells
Cathy C. Zhang, Zhengming Yan, Wenlin Li, Kyle Kuszpit, Cory L. Painter, Qin Zhang, Patrick B. Lappin, Tim Nichols, Maruja E. Lira, Tim Nichols, and James G. Christensen

Epidermal Growth Factor Receptor Protein Detection in Head and Neck Cancer Patients: A Many-Faceted Picture
Juliette Thariat, Marie-Christine Etienne-Grimaldy, Dominique Grall, René-Jean Bensadoun, Anne Cayre, Frédérique Pennault-Llorca, Laurence Veracini, Mireille Francoual, Jean-Louis Formento, Olivier Dassonville, Dominique De Raucourt, Lionel Geoffrois, Philippe Giraud, Sèverine Racadot, Sylvain Mortinière, Gérard Milano, and Ellen Van Obberghen-Schilling

Combination of a Novel Gene Expression Signature with a Clinical Nomogram Improves the Prediction of Survival in High-Risk Bladder Cancer
Markus Riester, Jennifer M. Taylor, Andrew Feifer, Theresa Koppie, Jonathan E. Rosenberg, Robert J. Downey, Bernard H. Bochner, and Franziska Michor

Copy Number Losses Define Subgroups of Dedifferentiated Liposarcoma with Poor Prognosis and Genomic Instability
Aimee M. Crago, Nicholas D. Socci, Penelope DeCarolli, Rachael O’Connor, Barry S. Taylor, Li-Xuan Qin, Cristina R. Antonescu, and Samuel Singer

Elucidating Prognosis and Biology of Breast Cancer Arising in Young Women Using Gene Expression Profiling
Hatem A. Azim Jr, Stefan Michiels, Philippe L. Bedard, Sandeep K. Singhal, Carmen Criscitiello, Michail Ignatiadis, Benjamin Haibe-Kains, Martine J. Piccart, Christos Sotiriou, and Sherene Loi

Integrative Survival-Based Molecular Profiling of Human Pancreatic Cancer
Timothy B. Donahue, Linh M. Tran, Reginald Hill, Yunfeng Li, Anne Kovochich, Joseph H. Calvopina, Sanjeev G. Patel, Nanping Wu, Areseas Hindoyan, James J. Farrell, Xinmin Li, David W. Dawson, and Hong Wu

Human Prostate Cancer in a Clinically Relevant Xenograft Mouse Model: Identification of β(1,6)- Branched Oligosaccharides as a Marker of Tumor Progression
Tobias Lange, Sebastian Ullrich, Imke Müller, Michael F. Nentwich, Katrin Stübke, Susanne Feldhaus, Christine Knies, Olaf J.C. Hellwinkel, Robert L. Vessella, Claudia Abramjuk, Mario Anders, Jennifer Schröder-Schwarz, Thorsten Schloym, Hartwig Huland, Guido Sauter, and Udo Schumacher

High-Risk Ovarian Cancer Based on 126-Gene Expression Signature Is Uniquely Characterized by Downregulation of Antigen Presentation Pathway
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1386</td>
<td>Selective BRAF Inhibitors Induce Marked T-cell Infiltration into Human Metastatic Melanoma</td>
<td>James S. Wilmott, Georgina V. Long, Julie R. Howle, Lauren E. Haydu, Raghwa N. Sharma, John F. Thompson, Richard F. Kefford, Peter Hersey, and Richard A. Scolyer</td>
</tr>
<tr>
<td>1395</td>
<td>Results of a Phase 1 Study of AME-133v (LY2469298), an Fc-Engineered Humanized Monoclonal Anti-CD20 Antibody, in FcγRIIIa-Genotyped Patients with Previously Treated Follicular Lymphoma</td>
<td>Andres Forero-Torres, Sven de Vos, Brad L. Pohlmans, Maxim Pashkevich, Damien M. Cronier, Nanh D. Harg, Susan P. Carpenter, Barrett W. Allan, James G. Nelson, Christopher A. Slapak, Mitchell R. Smith, Brian K. Link, James E. Wooldridge, and Kristen N. Ganjoo</td>
</tr>
<tr>
<td>1404</td>
<td>Prospective Trial of Synchronous Bevacizumab, Erlotinib, and Concurrent Chemoradiation in Locally Advanced Head and Neck Cancer</td>
<td>David S. Yoo, John P. Kirkpatrick, Oana Craciunescu, Gloria Broadwater, Bercedis L. Peterson, Madeline D. Carroll, Robert Clough, James R. MacFall, Jenny Hoang, Richard L. Scher, Raman M. Esclamado, Frank R. Dunphy, Neel E. Ready, and David M. Brizel</td>
</tr>
<tr>
<td>1426</td>
<td>Lenalidomide-Induced Immunomodulation in Multiple Myeloma: Impact on Vaccines and Antitumor Responses</td>
<td>Kimberly Noonan, Lakshmi Rudrara, Anna Ferguson, Amy Emerling, Marcela F. Pasetti, Carol A. Huff, and Ivan Borrello</td>
</tr>
</tbody>
</table>

**PREDICTIVE BIOMARKERS AND PERSONALIZED MEDICINE**

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1447</td>
<td>CD26 Overexpression Is Associated with Prolonged Survival and Enhanced Chemosensitivity in Malignant Pleural Mesothelioma</td>
<td>Kenihiko Aoe, Yashwa Jee Amatys, Nobukazu Fujimoto, Kei Ohnuma, Osamu Hosono, Akio Hiraki, Masanori Fujii, Taketo Yamada, Nam H. Dang, Yukio Takeshima, Kouki Inai, Takumi Kishimoto, and Chikao Morimoto</td>
</tr>
<tr>
<td>1457</td>
<td>Sunitinib Therapy for Melanoma Patients with KIT Mutations</td>
<td>David R. Minor, Mohammed Kashani-Sabet, Maria Garrido, Steven J. O’Day, Omid Hamid, and Boris C. Bastian</td>
</tr>
<tr>
<td>1464</td>
<td>Pathway-Specific Analysis of Gene Expression Data Identifies the PI3K/Akt Pathway as a Novel Therapeutic Target in Cervical Cancer</td>
<td>Julie K. Schwarz, Jacqueline E. Payton, Ramachandran Rashmi, Tao Xiang, Yunhe Jia, Phylis Huettuckner, Buck E. Rogers, Qin Yang, Mark Watson, Janet S. Rader, and Perry W. Grigsby</td>
</tr>
</tbody>
</table>

**CORRECTIONS**

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1483</td>
<td>Correction: Noninvasive Detection of Breast Cancer Lymph Node Metastasis Using Carbonic Anhydrases IX and XII Targeted Imaging Probes</td>
<td></td>
</tr>
<tr>
<td>1484</td>
<td>Correction: Glutamatergic Pathway Targeting in Melanoma: Single-Agent and Combinatorial Therapies</td>
<td></td>
</tr>
</tbody>
</table>
ABOUT THE COVER

Following treatment with a G-quadruplex ligand, telomestatin, glioma stem cells rapidly developed punctate nuclear 53BP1 foci. Of note, some of these foci colocalized with nontelomeric DNA, thereby representing both telomeric and nontelomeric dysfunction-induced foci, a hallmark of deprotected DNA damage. The loss of tumor stemness is likely associated with a failure in the DNA damage response elicited by telomestatin in glioma stem cells. For details, see the article by Miyazaki and colleagues on page 1268 of this issue.
Clinical Cancer Research


Updated version
Access the most recent version of this article at:
http://clincancerres.aacrjournals.org/content/18/5

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, contact the AACR Publications Department at permissions@aacr.org.