SPECIAL FEATURES

CCR Translations

6083  Real-time Pathology to Guide Breast Surgery: Seeing Alone Is Not Believing
Irving J. Bigio
See article p. 6315

6086  Regulatory T Cells Move in When Gliomas Say "I DO"
Bryan D. Choi, Peter E. Fecci, and John H. Sampson
See article p. 6110

Molecular Pathways

6089  Molecular Pathways: The Metabolic Regulator Estrogen-Related Receptor α as a Therapeutic Target in Cancer
Ching-yi Chang and Donald P. McDonnell

6096  Molecular Pathways: Regulation of Metabolism by RB
Brian F. Clem and Jason Chesney

Review

6101  Accelerating Cancer Therapy Development: The Importance of Combination Strategies and Collaboration. Summary of an Institute of Medicine Workshop

HUMAN CANCER BIOLOGY

6110  IDO Expression in Brain Tumors Increases the Recruitment of Regulatory T Cells and Negatively Impacts Survival
Derek A. Wainwright, Irina V. Balyasnikova, Alan L. Chang, Atique U. Ahmed, Kyung-Sub Moon, Brenda Auffinger, Alex L. Tobias, Yu Han, and Maciej S. Lesniak
See commentary p. 6086

6122  Quantitative Immunofluorescence Reveals the Signature of Active B-cell Receptor Signaling in Diffuse Large B-cell Lymphoma

6136  Expression Profiling of Archival Tumors for Long-term Health Studies
Levi Waldron, Shuji Ogino, Yuji Hoshida, Koai Shimma, Amy E. McCarter Reed, Peter T. Simpson, Yoshifumi Baba, Katsuhiko Nosho, Nicola Segata, Ana Cristina Vargas, Margaret C. Cummings, Sunil R. Lakhani, Gregory J. Kirkner, Edward Giovannucci, John Quackenbush, Todd R. Golub, Charles S. Fuchs, Giovanni Parmigiani, and Curtis Huttenhower

6147  Decreased NK Cells in Patients with Head and Neck Cancer Determined in Archival DNA

6155  Stemness of B-cell Progenitors in Multiple Myeloma Bone Marrow
Kelly Boucher, Nancy Parquet, Raymond Widen, Kenneth Shain, Rachid Baz, Melissa Alsina, John Koomen, Claudio Anasetti, William Dalton, and Lia E. Perez

6169  Molecular Epidemiology of EGFR and KRAS Mutations in 3,026 Lung Adenocarcinomas: Higher Susceptibility of Women to Smoking-Related KRAS-Mutant Cancers
Snjezana Dogan, Ronglai Shen, Daphne C. Ang, Melissa L. Johnson, Sandra P. D'Angelo, Paul K. Paik, Eddyta B. Brzostowski, Gregory J. Biel, Mark G. Kris, Maureen F. Zakowski, and Marc Ladvanyi

6178  Establishment and Characterization of Novel Cell Lines from Sinonasal Undifferentiated Carcinoma
Yoko Takahashi, Michael E. Kupferman, Diana Bell, Tilahun Jiffar, June Goo Lee, Tong-Xin Xie, Ning-Wei Li, Mei Zhao, Mitchell J. Frederick, Alexander Gelbard, Jeffrey N. Myers, and Ehab Y. Hanna
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>6188</td>
<td>Overexpression of Ecdysoneless in Pancreatic Cancer and Its Role in Oncogenesis by Regulating Glycolysis</td>
<td>Dey, Rachagani, Chakraborty, Singh, Zhao, Anderson, Lele, Hollingsworth, Band, and Batra</td>
</tr>
<tr>
<td>6199</td>
<td>Proliferation in the Normal FTE Is a Hallmark of the Follicular Phase, Not BRCA Mutation Status</td>
<td>George, Milea, and Shaw</td>
</tr>
<tr>
<td>6208</td>
<td>Radioimmunotherapy of Fibroblast Activation Protein Positive Tumors by Rapidly Internalizing Antibodies</td>
<td>Fischer, Chaitanya, Wiest, Widler, Scott, Broek, Schibli, Bauer, and Renner</td>
</tr>
<tr>
<td>6219</td>
<td>Activation of HER Family Signaling as a Mechanism of Acquired Resistance to ALK Inhibitors in EML4-ALK–Positive Non–Small Cell Lung Cancer</td>
<td>Tanizaki, Okamoto, Sakai, Tanaka, Hayashi, Kaneda, Takezawa, Kuwata, Yamaguchi, and Nakagawa</td>
</tr>
<tr>
<td>6227</td>
<td>Superior Efficacy of a Combined Epigenetic Therapy against Human Mantle Cell Lymphoma Cells</td>
<td>Fiskus, Rao, Balusu, Ganguly, Tao, Sotomayor, Humamura, Smith, Hembrough, Atadja, Marquez, and Bhatia</td>
</tr>
<tr>
<td>6249</td>
<td>In Vivo Phosphoantigen Levels in Bisphosphonate-Treated Human Breast Tumors Trigger Vγ9Vδ2 T-cell Antitumor Cytotoxicity through ICAM-1 Engagement</td>
<td>Benzaid, Mönkkönen, Bonneye, Mönkkönen, and Clézardin</td>
</tr>
<tr>
<td>6260</td>
<td>Synthetic miR-34a Mimics as a Novel Therapeutic Agent for Multiple Myeloma: In Vitro and In Vivo Evidence</td>
<td>T. Di Martino, Leone, Amodio, Foresta, Lionetti, Pitiari, Gallo Cantafio, Guilla, Conforti, Morelli, Tomaino, Ross, Nezri, Ferrarini, Caraglia, Shahmas, Munshi, Anderson, Neri, Tagliaferri, Tassone</td>
</tr>
<tr>
<td>6271</td>
<td>TRAIL and Noxa Are Selectively Upregulated in Prostate Cancer Cells Downstream of the RIG-I/MAVS Signaling Pathway by Nonreplicating Sendai Virus Particles</td>
<td>Matsushima-Miyagi, Hatano, Nomura, Li-Wen, Nishikawa, Saga, Shimbo, and Kaneda</td>
</tr>
<tr>
<td>6277</td>
<td>Universal Cancer Peptide-Based Therapeutic Vaccine Breaks Tolerance against Telomerase and Eradicates Established Tumor</td>
<td>Dosset, Godet, Vauchy, Bezaud, Chun Loe, Sedlik, Liard, Levionnois, Clerc, Sandoval, Davindau, Wain-Hobson, Langlade-Demoyen, Adotévi</td>
</tr>
<tr>
<td>6296</td>
<td>Antibody-Dependent Cell-Mediated Cytotoxicity Overcomes NK Cell Resistance in MLL-Rearranged Leukemia Expressing Inhibitory KIR Ligands but Not Activating Ligands</td>
<td>Keung Chan, Kung Sutherland, Li, Zalevsky, Schell, and Leung</td>
</tr>
</tbody>
</table>
Measurement of Tumor VEGF-A Levels with 89Zr-Bevacizumab PET as an Early Biomarker for the Antiangiogenic Effect of Everolimus Treatment in an Ovarian Cancer Xenograft Model


Scatter Spectroscopic Imaging Distinguishes between Breast Pathologies in Tissues Relevant to Surgical Margin Assessment

Ashley M. Laughney, Venkatararamanan Krishnaswamy, Elizabeth J. Rizzo, Mary C. Schwab, Richard J. Barth, Brian W. Pogue, Keith D. M. A. Paulsen, and Wendy A. Wells

Impact of the Integrin Signaling Adaptor Protein NEDD9 on Prognosis and Metastatic Behavior of Human Lung Cancer

Shunsuke Kondo, Satoshi Iwata, Taketo Yamada, Yusuake Inoue, Hiromi Ichihara, Yoshiko Kichikawa, Tomoki Katayose, Akiko Souta-Kuribara, Hiroto Yamaizaki, Osamu Hosono, Hiroshi Kawasaki, Hiroto Tanaka, Yuichiro Hayashi, Michie Sakamoto, Kazunori Kaniya, Nam H. Dang, and Chikao Morimoto

Clinical Significance of the Genetic Landscape of Pancreatic Cancer and Implications for Identification of Potential Long-term Survivors

Shinich Yachida, Catherine M. White, Yoshiki Naito, Yi Zhong, Jacqueline A. Brosnan, Anne M. Macgregor-Das, Richard A. Morgan, Tyler Saunders, Daniel A. Laheru, Joseph M. Herman, Ralph H. Hruban, Alison P. Klein, Siân Jones, Victor Velculescu, Christopher L. Wolvergan, and Christine A. Iacobuzio-Donahue

Serum Lactate Dehydrogenase Is Prognostic for Survival in Patients with Bone Metastases from Breast Cancer: A Retrospective Analysis in Bisphosphonate-Treated Patients

Janet E. Brown, Richard J. Cook, Allan Lipton, and Robert E. Coleman

Outcomes of Phase II Clinical Trials with Single-Agent Therapies in Advanced/Metastatic Non–Small Cell Lung Cancer Published between 2000 and 2009

Filip Janku, Donald A. Berry, Jing Gong, Henrique A. Parsons, David J. Stewart, and Razelle Kurzrock

Using Pharmacokinetic and Pharmacodynamic Data in Early Decision Making Regarding Drug Development: A Phase I Clinical Trial Evaluating Tyrosine Kinase Inhibitor, AEE788

José Baselga, Alain C. Mita, Patrick Schöfkeski, Herlinde Dumee, Frederico Rojo, Josep Tabernerero, Clifford DiLea, William Mietloowski, Christiace Low, Jerry Huang, Margaret Dugan, Kathryn Parker, Eric Walk, Allan van Oosterom, Erika Martinelli, and Chris H. Takimoto

Personalized Medicine in a Phase I Clinical Trials Program: The MD Anderson Cancer Center Initiative

Apostolia-Maria Tsimberidou, Nancy G. Iskander, David S. Hong, Jennifer J. Wheler, Gerald S. Falchuk, Siqing Fu, Sarina Pih-Chu, Aung Naing, Filip Janku, Rajyalakshmi Luthra, Yang Ye, Sijin Wen, Donald Berry, and Razelle Kurzrock

Association between VEGF Splice Isoforms and Progression-Free Survival in Metastatic Colorectal Cancer Patients Treated with Bevacizumab

David O. Bates, Paul J. Catalano, Kirsty E. Symonds, Alex H.B. Varey, Pramila Ramani, Peter J. O’Dwyer, Bruce J. Giantonio, Neal J. Meropol, Al Bowen Benson, and Steven J. Harper
ABOUT THE COVER

Replication-incompetent Sendai virus particles were injected into orthotopic prostate cancers in NOD-SCID mice on day 29 after the inoculation of human prostate cancer PC3 cells. The dual 4',6-diamidino-2-phenylindole (blue) and terminal deoxynucleotide transferase–mediated dUTP nick-end labeling (DAPI; green) staining showed that the TUNEL-positive apoptotic cells were dramatically increased in tumor regions. For details, see the article by Matsushima-Miyagi and colleagues on page 6271 of this issue.