

Highlights of This Issue 201

SPECIAL FEATURES

CCR Translations

- 203 | **Blinded by the Light: Molecular Imaging in Pancreatic Adenocarcinoma**
Eric Collisson, and Margaret Tempero
See article p. 302

Molecular Pathways

- 206 | **Insulin Receptor Substrate Regulation of Phosphoinositide 3-Kinase**
Heather E. Metz, and A. McGary Houghton
- 212 | **Targeting the BCR-ABL Signaling Pathway in Therapy-Resistant Philadelphia Chromosome-Positive Leukemia**
Thomas O'Hare, Michael W.N. Deininger, Christopher A. Eide, Tim Clackson, and Brian J. Druker

Review

- 222 | **Decreasing the Adverse Effects of Cancer Therapy: National Cancer Institute Guidance for the Clinical Development of Radiation Injury Mitigators**
Benjamin Movsas, Bhadransain Vikram, Martin Hauer-Jensen, John E. Moulder, Ethan Basch, Stephen L. Brown, Lisa A. Kachnic, Adam P. Dicker, C. Norman Coleman, and Paul Okunieff

HUMAN CANCER BIOLOGY

- 229 | **Clinical Correlates of NRAS and BRAF Mutations in Primary Human Melanoma**
Julie A. Ellerhorst, Victoria R. Greene, Suhendan Ekmekcioglu, Carla L. Warneke, Marcella M. Johnson, Carolyn P. Cooke, Li-E Wang, Victor G. Prieto, Jeffrey E. Gershenwald, Qingyi Wei, and Elizabeth A. Grimm

- 236 | **Gene Expression Profiles of Estrogen ReceptorPositive and Estrogen ReceptorNegative Breast Cancers Are Detectable in Histologically Normal Breast Epithelium**
Kelly Graham, Xijin Ge, Antonio de las Morenas, Anusri Tripathi, and Carol L. Rosenberg

- 247 | **SDHAF2 (PGL2-SDH5) and Hereditary Head and Neck Paraganglioma**
Henricus P.M. Kunst, Martijn H. Rutten, Jan-Pieter de Monnik, Lies H. Hoefsloot, Henri J.L.M. Timmers, Henri A.M. Marres, Jeroen C. Jansen, Hannie Kremer, Jean-Pierre Bayley, and Cor W.R.J. Cremers

- 255 | **Extent and Patterns of MGMT Promoter Methylation in Glioblastoma- and Respective Glioblastoma-Derived Spheres**
Davide Sciuscio, Annie-Claire Diserens, Kristof van Dommelen, Danielle Martinet, Greg Jones, Robert-Charles Janzer, Claudio Pollo, Marie-France Hamou, Bernd Kaina, Roger Stupp, Marc Levivier, and Monika E. Hegi

- 267 | **Novel Interaction of MUC4 and Galectin: Potential Pathobiological Implications for Metastasis in Lethal Pancreatic Cancer**
Shantibhusan Senapati, Pallavi Chaturvedi, William G. Chaney, Subhankar Chakraborty, Vinayaga S. Gnanapragassam, Aaron R. Sasson, and Surinder K. Batra

CANCER THERAPY: PRECLINICAL

- 275 | **Modulating Endogenous NQO1 Levels Identifies Key Regulatory Mechanisms of Action of β -Lapachone for Pancreatic Cancer Therapy**
Long Shan Li, Erik A. Bey, Ying Dong, Jieru Meng, Biswanath Patra, Jingsheng Yan, Xian-Jin Xie, Rolf A. Brekken, Carlton C. Barnett, William G. Bornmann, Jinming Gao, and David A. Boothman

- 286 | **Nitric Oxide-Donating Acetylsalicylic Acid Induces Apoptosis in Chronic Lymphocytic Leukemia Cells and Shows Strong Antitumor Efficacy *In vivo***
Regina Razavi, Iris Gehrke, Rajesh Kumar Gandhirajan, Simon Jonas Poll-Wolbeck, Michael Hallek, and Karl-Anton Kreuzer

- 294 | **High Impact of Oatp1a/1b Transporters on In Vivo Disposition of the Hydrophobic Anticancer Drug Paclitaxel**
Evita van de Steeg, Anita van Esch, Els Wagenaar, Cornelia M.M. van der Kruijssen, Olaf van Tellingen, Kathryn E. Kenworthy, and Alfred H. Schinkel

IMAGING, DIAGNOSIS, PROGNOSIS

- 302 | **Plectin-1 as a Novel Biomarker for Pancreatic Cancer**
Dirk Bausch, Stephanie Thomas, Mari Mino-Kenudson, Carlos Fernández-del Castillo, Todd W. Bauer, Mark Williams, Andrew L. Warshaw, Sarah P. Thayer, and Kimberly A. Kelly
See commentary p. 203
- 310 | **Fine-Needle Aspiration Biopsies for Gene Expression Ratio-Based Diagnostic and Prognostic Tests in Malignant Pleural Mesothelioma**
Assunta De Rienzo, Lingsheng Dong, Beow Y. Yeap, Roderick V. Jensen, William G. Richards, Gavin J. Gordon, David J. Sugarbaker, and Raphael Bueno
- 317 | **A 4-Gene Signature Associated with Clinical Outcome in High-Grade Gliomas**
Marie de Tayrac, Marc Aubry, Stephan Saïkali, Amandine Etcheverry, Cyrille Surbled, Frédérique Guénot, Marie-Dominique Galibert, Abderrahmane Hamlat, Thierry Lesimple, Véronique Quillien, Philippe Menei, and Jean Mosser
- 328 | **β -Catenin Activation Is Associated with Specific Clinical and Pathologic Characteristics and a Poor Outcome in Adrenocortical Carcinoma**
Sébastien Gaujoux, Sophie Grabar, Martin Fassnacht, Bruno Ragazzon, Pierre Launay, Rossella Libé, Ilham Chokri, Anne Audebourg, Benedict Royer, Silviu Sbiera, Marie-Cécile Vacher-Lavenu, Bertrand Dousset, Xavier Bertagna, Bruno Allolio, Jérôme Bertherat, and Frédérique Tissier
- 337 | **Circulating Tumor Cells and EpCAM Expression in Neuroendocrine Tumors**
Mohid S. Khan, Theodora Tsigani, Mohammed Rashid, Jeremy S. Rabouhans, Dominic Yu, Tu Vinh Luong, Martyn Caplin, and Tim Meyer

CANCER THERAPY: CLINICAL

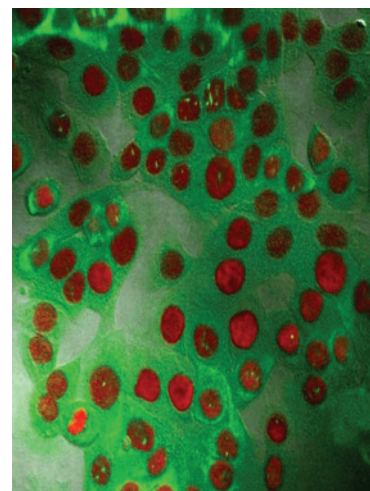
- 346 | **Primary CNS Lymphoma in Children and Adolescents: A Descriptive Analysis from the International Primary CNS Lymphoma Collaborative Group (IPCG)**
Oussama Abla, Sheila Weitzman, Jean-Yves Blay, Brian Patrick O'Neill, Lauren E. Abrey, Edward Neuwelt, Nancy D. Doolittle, Joachim Baehring, Kamnesh Pradhan, S. Eric Martin, Michael Guerrero, Shafqat Shah, Hervé Ghesquieres, Michael Silver, Rebecca A. Betensky, and Tracy Batchelor
- 353 | **Therapeutic Drug Monitoring for the Individualization of Docetaxel Dosing: A Randomized Pharmacokinetic Study**
Frederike K. Engels, Walter J. Loos, Jessica M. van der Bol, Peter de Bruijn, Ron H.J. Mathijssen, Jaap Verweij, and Ron A.A. Mathot
- 363 | **Phase I and Pharmacokinetic Study of CT-322 (BMS-844203), a Targeted Adnectin Inhibitor of VEGFR-2 Based on a Domain of Human Fibronectin**
Anthony W. Tolcher, Christopher J. Sweeney, Kyri Papadopoulos, Amita Patnaik, Elena G. Chiorean, Alain C. Mita, Kamalesh Sankhala, Eric Furfine, Jochem Gokemeijer, Lisa Iacono, Cheryl Eaton, Bruce A. Silver, and Monica Mita

PREDICTIVE BIOMARKERS AND PERSONALIZED MEDICINE

- 372 | **Impact of Exploratory Biomarkers on the Treatment Effect of Bevacizumab in Metastatic Breast Cancer**
Adrian M. Jubb, Kathy D. Miller, Hope S. Rugo, Adrian L. Harris, Dafeng Chen, James D. Reimann, Melody A. Cobleigh, Maike Schmidt, Virginia K. Langmuir, Kenneth J. Hillan, Daniel S. Chen, and Hartmut Koeppe
- 382 | **EGFR Fluorescence *In situ* Hybridization Pattern of Chromosome 7 Disomy Predicts Resistance to Cetuximab in KRAS Wild-type Metastatic Colorectal Cancer Patients**
Yu-Hong Li, Fang Wang, Lin Shen, Yan-Ming Deng, Qiong Shao, Fen Feng, Xin An, Feng-Hua Wang, Zhi-Qiang Wang, Rui-Hua Xu, and Jian-Yong Shao

ABOUT THE COVER

Immunofluorescence analysis demonstrating the cytoplasmic localization of galectin-3 in CD18/HPAF pancreatic cancer cells transfected with scramble control vector. The cells were grown at low density on sterile cover slips for 20 hours. After washing with 0.1 M HEPES-containing Hanks buffer, the cells were fixed in ice-cold methanol at -20°C for 2 minutes. After nonspecific blocking with 10% goat serum, cells were incubated with anti-galectin-3 antibody in PBS for 90 minutes at room temperature. Cells were washed 3 to 4 times with PBS containing 0.05% Tween-20 (PBS-T) and then incubated with FITC-conjugated anti-rat secondary antibodies for 60 minutes. The cells were counterstained with propidium iodide. Finally, slides were washed, mounted, and observed under a ZEISS confocal laser-scanning microscope. Photographs were digitally captured by using 510-software. For further details, please see Senapati and coworkers on page 267 in this issue.



Clinical Cancer Research

17 (2)

Clin Cancer Res 2011;17:201-390.

Updated version Access the most recent version of this article at:
<http://clincancerres.aacrjournals.org/content/17/2>

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/17/2>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.