### Highlights of This Issue 3109

#### SPECIAL FEATURES

#### CCR Translations

**Stearoyl Co-A Desaturase 1 as a ccRCC Therapeutic Target: Death by Stress**
Janet Y. Leung and William Y. Kim

*See related article by von Roemeling et al., Clin Cancer Res, vol. 19(9), p. 2368–80*

#### Molecular Pathways

**Molecular Pathways: Extracting Medical Knowledge from High-Throughput Genomic Data**
Theodore C. Goldstein, Evan O. Paull, Matthew J. Ellis, and Joshua M. Stuart

### HUMAN CANCER BIOLOGY

#### microRNA Expression Profiles Identify Subtypes of Mantle Cell Lymphoma with Different Clinicobiological Characteristics
Alba Navarro, Guillem Clot, Miriam Prieto, Cristina Royo, Maria Carmela Vegliante, Virginia Amador, Elena Hartmann, Itziar Salaverria, Silvia Beá, Jose Ignacio Martín-Subero, Andreas Rosenwald, German Ott, Adrian Wiestner, Wynnham H. Wilson, Elias Campo, and Luis Hernández

#### Biological and Clinical Relevance of miRNA Expression Signatures in Primary Plasma Cell Leukemia
Marta Lionetti, Pellegrino Musto, Maria Teresa Di Martino, Sonia Fabris, Luca Agnelli, Katia Todoerti, Giacomo Tuana, Laura Mosca, Maria E. Gallo Cantafio, Vitina Grieco, Gabriella Bianchino, Fiorella D’Auria, Teodora Statuto, Carmela Mazzoccoli, Luciana De Luca, Maria Teresa Petrucci, Massimo Offidani, Francesco Di Raimondo, Antonietta Falcone, Tommaso Caravita, Paola Omede', Fortunato Morabito, Pierfrancesco Tassone, Mario Boccadoro, Antonio Palumbo, and Antonino Neri

### CANCER THERAPY: PRECLINICAL

#### Conjointival Melanomas Harbor BRAF and NRAS Mutations and Copy Number Changes Similar to Cutaneous and Mucosal Melanomas
Klaus G. Griewank, Henrike Westekemper, Rajmohan Murali, Monika Mach, Bastian Schilling, Thomas Wiesner, Tobias Schimming, Elisabeth Livingstone, Antje Sucker, Florian Grabellus, Claudia Metz, Daniela Susskind, Uwe Hillen, Michael R. Speicher, Scott E. Woodman, Klaus-Peter Steuhl, and Dirk Schadendorf

#### Receptor Affinity and Extracellular Domain Modifications Affect Tumor Recognition by ROR1-Specific Chimeric Antigen Receptor T Cells
Michael Hudecek, Maria-Teresa Lupo-Stanghellini, Paula L. Kosasih, Daniel Sommermeyer, Michael C. Jensen, Christoph Rader, and Stanley R. Riddell

#### Gliomas Promote Immunosuppression through Induction of B7-H1 Expression in Tumor-Associated Macrophages
Orin Bloch, Courtney A. Crane, Rajwant Kaur, Michael Safaee, Martin J. Rutkowski, and Andrew T. Parsa

#### IL-17–Mediated M1/M2 Macrophage Alteration Contributes to Pathogenesis of Bisphosphonate-Related Osteonecrosis of the Jaws
Qunzhou Zhang, Ikiru Atsuta, Shiyu Liu, Chider Chen, Shihong Shi, Songtao Shi, and Anh D. Le

#### ATM Kinase Inhibition Preferentially Sensitizes p53-Mutant Glioma to Ionizing Radiation
**Frequent Inactivation of Cysteine Dioxygenase Type 1 Contributes to Survival of Breast Cancer Cells and Resistance to Anthracyclines**

**Cap-Translation Inhibitor, 4EGI-1, Restores Sensitivity to ABT-737 Apoptosis through Cap-Dependent and -Independent Mechanisms in Chronic Lymphocytic Leukemia**
Shaun Willimott, Daniel Beck, Matthew J. Ahearne, Victoria C. Adams, and Simon D. Wagner

**Prolonged Inhibition of Glioblastoma Xenograft Initiation and Clonogenic Growth following In Vivo Notch Blockade**
Qian Chu, Brent A. Orr, Samantha Semenkow, Eli E. Bar, and Charles G. Eberhart

**Monoclonal Antibody against the Ectodomain of E-Cadherin (DECMA-1) Suppresses Breast Carcinogenesis: Involvement of the HER/PI3K/Akt/mTOR and IAP Pathways**
Sabine M. Brouxhon, Stephanos Kyrkanides, Xiaofei Teng, Veena Raja, M. Kerry O’Banion, Robert Clarke, Stephen Byers, Andrew Silberfeld, Carmen Tornos, and Li Ma

**IMAGING, DIAGNOSIS, PROGNOSIS**

**Transcriptional Characterization of a Prospective Series of Primary Plasma Cell Leukemia Revealed Signatures Associated with Tumor Progression and Poorer Outcome**
Katia Toderotti, Luca Agnelli, Sonia Fabris, Marta Lionetti, Giacomo Tsana, Laura Mosca, Luigia Lombardi, Vittina Greco, Gabriella Bianchino, Fiorella D’Auria, Teodora Statuto, Carmela Mazzoccoli, Luciana De Luca, Maria Teresa Petrucci, Fortunato Morabito, Massimo Offidani, Francesco Di Raimondo, Antonietta Falcone, Paola Omedè, Pierfrancesco Tassone, Mario Boccadoro, Antonio Palumbo, Antonino Neri, and Pellegrino Musto

**Adverse Outcomes in Clear Cell Renal Cell Carcinoma with Mutations of Sp21 Epigenetic Regulators BAP1 and SETD2: A Report by MSKCC and the KIRC TCGA Research Network**

**EDNRB and DCC Salivary Rinse Hypermethylation Has a Similar Performance as Expert Clinical Examination in Discrimination of Oral Cancer/Dysplasia versus Benign Lesions**
Juliana Schussel, Xian Chong Zhou, Zhe Zhang, Kapita Pattani, Francisco Bermudez, Germain Jean-Charles, Thomas McCaffrey, Tapan Padhya, Joan Phelan, Silvia Spivakovskey, Mariana Brait, Ryan Li, Helen Yoo Bowne, Judith D. Goldberg, Linda Rolnitzky, Miriam Robbins, A. Ross Kerr, David Sirois, and Joseph A. Califano

**Noninvasive Detection of HER2 Amplification with Plasma DNA Digital PCR**
Heidrun Gevensleben, Isaac Garcia-Murillas, Monika K. Graeser, Gaia Schiavon, Peter Osin, Marina Parton, Ian E. Smith, Alan Ashworth, and Nicholas C. Turner

**PIK3CA and PTEN Gene and Exon Mutation-Specific Clinicopathologic and Molecular Associations in Colorectal Cancer**
Fiona L. Day, Robert N. Jorissen, Lara Lipton, Dmitri Mouradov, Anuratha Sathianandenswaram, Michael Christie, Shian Li, Cary Tsui, Jeannie Tie, Jayesh Desai, Zheng-Zhou Xu, Peter Molloy, Vicki Whitehall, Barbara A. Leggett, Ian T. Jones, Stephen McLaughlin, Robyn L. Ward, Nicholas J. Hawkins, Andrew R. Ruszkiewicz, James Moore, Dana Busam, Qi Zhao, Robert L. Strausberg, Peter Gibbs, and Oliver M. Sieber
CANCER THERAPY: CLINICAL

Prospective Phase II Study on 5-Days Azacitidine for Treatment of Symptomatic and/or Erythropoietin Unresponsive Patients with Low/INT-1–Risk Myelodysplastic Syndromes
Carla Filì, Michele Malagola, Matilde Y. Follo, Carlo Finelli, Ilaria Iacobucci, Giovanni Martinelli, Federica Cattina, Cristina Clissa, Anna Candoni, Renato Fanin, Marco Gobbi, Monica Bocchia, Marzia Defina, Pietro Spadini, Cristina Skert, Lucia Manzoli, Lucio Cocco, and Domenico Russo

LETTERS TO THE EDITOR

A Review of Study Designs and Outcomes of Phase I Clinical Studies of Nanoparticle Agents Compared with Small-Molecule Anticancer Agents
Whitney P. Caron, Katherine P. Morgan, Beth A. Zamboni, and William C. Zamboni

CYP3A4*22 Genotype and Systemic Exposure Affect Paclitaxel-Induced Neurotoxicity

Plasma MicroRNAs in Ovarian Cancer—Letter
Haifeng Qiu

Plasma MicroRNAs in Ovarian Cancer—Response
Xin Huang and Anda M. Vlad

RETRACTION

Retraction: Functional Characterization of the Bladder Cancer Marker, BLCA-4

ABOUT THE COVER

The cover shows a section of a lymph node biopsy from a patient with chronic lymphocytic leukemia. Immunohistochemical staining shows strong phospho-eIF4E expression within a proliferation center suggesting induction of cap-complex formation and protein synthesis within this microenvironment. For details, see the article by Willimott and colleagues on page 3212 of this issue.