Highlights of This Issue 273

SPECIAL FEATURES

CCR Translations

275  Stressing the Development of Small Molecules Targeting HSP90
Len Neckers and Jane B. Trepel
See related article, p. 445

278  Pertuzumab Protects the Achilles’ Heel of Trastuzumab—Emtansine
William R. Gwin and Neil L. Spector
See related article, p. 456

CCR Perspectives in Drug Approval

281  Predictive Value of Phase I Trials for Safety in Later Trials and Final Approved Dose: Analysis of 61 Approved Cancer Drugs
Denis L. Jardim, Kenneth R. Hess, Patricia LoRusso, Razelle Kurzrock, and David S. Hong

Molecular Pathways

289  Molecular Pathways: Targeting Inhibitor of Apoptosis Proteins in Cancer—From Molecular Mechanism to Therapeutic Application
Simone Fulda

296  Molecular Pathways: Transcription Factories and Chromosomal Translocations
Cameron S. Osborne

Reviews

301  “Quitting Smoking Will Benefit Your Health”: The Evolution of Clinician Messaging to Encourage Tobacco Cessation
Benjamin A. Toll, Alana M. Rojewski, Lindsay R. Duncan, Amy E. Latimer-Cheung, Lisa M. Fucito, Julie L. Boyer, Stephanie S. O’Malley, Peter Salovey, and Roy S. Herbst

310  Deep Molecular Response in Chronic Myeloid Leukemia: The New Goal of Therapy?
François-Xavier Mahon and Gabriel Etienne

HUMAN CANCER BIOLOGY

323  IgG-Switched CLL Has a Distinct Immunogenetic Signature from the Common MD Variant: Ontogenetic Implications
Anna Vardi, Andreas Agathangelidis, Lesley-Ann Sutton, Maria Chatzouli, Lydia Scarfo, Larry Mansouri, Vassiliki Douka, Achilles Anagnostopoulos, Nikos Darzenta, Richard Rosenquist, Paolo Chia, Chrysoula Belessi, and Kostas Stamatiopoulos

331  Tumor-Reactive CD8+ T Cells in Metastatic Gastrointestinal Cancer Refractory to Chemotherapy
Simon Turcotte, Alena Gros, Eric Tran, Chyi-Chia R. Lee, John R. Wunderlich, Paul F. Robbins, and Steven A. Rosenberg

344  Altered Microenvironment Promotes Progression of Preinvasive Breast Cancer: Myoepithelial Expression of αvβ6 Integrin in DCIS Identifies High-risk Patients and Predicts Recurrence

358  The Activation of the WNT Signaling Pathway Is a Hallmark in Neurofibromatosis Type 1 Tumorigenesis

372  Oncogenic Function of SCCRO5/DCUN1D5 Requires Its Neddylation E3 Activity and Nuclear Localization
Claire C. Bommelje, Viola B. Weeda, Guochang Huang, Kushyap Shah, Sarina Bains, Elizabeth Buss, Manish Shaha, Mithat Gönen, Ronald Ghossein, Suresh Y. Ramanathan, and Bhuvanesh Singh
499  Neoadjuvant Imatinib in Advanced Primary or Locally Recurrent Dermatofibrosarcoma Protuberans: A Multicenter Phase II DeCOG Trial with Long-term Follow-up
Selma Ugurel, Thomas Mentzel, Jochen Utikal, Peter Helmhold, Peter Mohr, Claudia Pföhler, Meinhard Schiller, Axel Hauschild, Rüdiger Hein, Eckhardt Kämpfe, Ivonne Kellner, Martin Leverkus, Jürgen C. Becker, Philip Ströbel, and Dirk Schadendorf

511  Research-Based PAM50 Subtype Predictor Identifies Higher Responses and Improved Survival Outcomes in HER2-Positive Breast Cancer in the NOAH Study
Aleix Prat, Giampaolo Bianchini, Marlene Thomas, Anton Belousov, Maggie C.U. Cheang, Astrid Koehler, Patricia Gómez, Vladimir Semiglazov, Wolfgang Eiermann, Sergei Tjulandin, Mikhail Byakhow, Begoña Bermejo, Milvia Zambetti, Federico Vazquez, Luca Gianni, and José Baselga

ABOUT THE COVER
The cover shows a section of a lymph node biopsy from a patient with mantle cell lymphoma. Hematoxylin and eosin staining shows typical monomorphic small-to-medium-sized lymphoid cells with irregular nuclei. For details, see the article by Moros and colleagues on page 393 of this issue.