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 Agathangellidis, Lesley-Ann Sutton, Maria Chatzouli, Lydia Scarfò, Larry Mansouri, Vassiliki Douka, Achilles Anagnostopoulos, Nikos Darzentas, Richard Rosenquist, Paolo Ghia, Chrysoula Belesi, and Kostas Stamatopoulos

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 a bouquet 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. Bommeljég, Viola B. Weeda, Guochang Huang, Kushyup Shah, Sarina Bains, Elizabeth Buss, Manish Shaha, Mithat Gönen, Ronald Ghosein, Suresh Y. Ramanathan, and Bhuvanesh Singh
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 Helmbold, Peter Mohr, Claudia Pfoehler, Meinhard Schiller, Axel Hauschild, Rüdiger Hein, Eckhardt Kämpgen, Ivonne Kellner, Martin Leverkus, Jürgen C. Becker, Philip Ströbel, and Dirk Schadendorf

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 Koecher, 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.