REVIEW

99 Identifying and Creating the Next Generation of Community-Based Cancer Prevention Studies: Summary of a National Cancer Institute Think Tank
Worta McCaskill-Stevens, Deborah C. Pearson, Barnett S. Kramer, Leslie G. Ford, and Scott M. Lippman

RESEARCH ARTICLES

108 Clinical Challenges Associated with Universal Screening for Lynch Syndrome–Associated Endometrial Cancer
Amanda S. Bruegl, Kari L. Ring, Molly Daniels, Bryan M. Fellman, Diana L. Urbauer, and Russell R. Broaddus

116 Fixed-Dose Combinations of Pioglitazone and Metformin for Lung Cancer Prevention
Donna E. Seabloom, Arthur R. Galbraith, Anna M. Haynes, Jennifer D. Antonides, Beverly R. Wuertz, Wendy A. Miller, Kimberly A. Miller, Vernon E. Steele, Mark Steven Miller, Margie L. Clapper, M. Gerard O’Sullivan, and Frank G. Ondrey

124 Safety and Preclinical Efficacy of Aerosol Pioglitazone on Lung Adenoma Prevention in A/J Mice

133 Honokiol Decreases Lung Cancer Metastasis through Inhibition of the STAT3 Signaling Pathway
Jing Pan, Yongik Lee, Qi Zhang, Donghai Xiong, Tina C. Wan, Yian Wang, and Ming You

142 Unlocking Aspirin’s Chemopreventive Activity: Role of Irreversibly Inhibiting Platelet Cyclooxygenase-1
Lenard M. Lichtenberger, Dexiong Fang, Roger J. Bick, Brian J. Poindexter, Tri Phan, Angela L. Bergeron, Subhashree Pradhan, Elizabeth J. Dial, and K. Vinod Vijayan

153 Xanthohumol Prevents DNA Damage by Dietary Carcinogens: Results of a Human Intervention Trial
Christoph Pichler, Franziska Ferk, Halh Al-Serori, Wolfgang Huber, Walter Jäger, Monika Waldherr, Miroslav Mišík, Michael Kundi, Armen Nersesyan, Irene Herbsack, and Siegfried Knasmüller

161 β-Carotene 9′,10′ Oxygenase Modulates the Anticancer Activity of Dietary Tomato or Lycopene on Prostate Carcinogenesis in the TRAMP Model
Hsueh-Li Tan, Jennifer M. Thomas-Ahner, Nancy E. Moran, Jessica L. Cooperstone, John W. Erdman Jr, Gregory S. Young, and Steven K. Clinton
ABOUT THE COVER

In late 2015, the National Cancer Institute (NCI) Division of Cancer Prevention (DCP) convened a group of cancer prevention research experts and stakeholders to discuss the current state of cancer prevention research, identify key prevention research priorities for the NCI, and identify studies that could be conducted within NCI’s Community Oncology Research Program (NCORP). The Think Tank considered opportunities, including what research might offering the highest return on investment, precision prevention, and possible targets for prevention. A major challenge in moving prevention research forward is the lack of knowledge about the earliest molecular events in progression to cancer. The cover image is an adaptation of work by Vogelstein and Kinzler who concluded there are three genomic phases (breakthrough, expansion, and invasive phase) to cancer and that key events happen at each stage. Some of the genetic changes are necessary but not sufficient for cancer to develop, and there is a window of time to identify these changes before they lead to overt cancer. See article by McCaskill-Stevens et al. (beginning on page 99) for more information about the NCI DCP Cancer Prevention Think Tank Meeting.