## Table of Contents

### Reviews

557  
Aspirin and Other NSAIDs as Chemoprevention Agents in Melanoma  
James R. Goodman and Douglas Grossman

565  
Development of an Active Site Peptide Analog of α-Fetoprotein That Prevents Breast Cancer  
Herbert I. Jacobson, Thomas T. Andersen, and James A. Bennett

### Research Articles

574  
Chemoprevention of Esophageal Cancer with Black Raspberries, Their Component Anthocyanins, and a Major Anthocyanin Metabolite, Protocatechuic Acid  
Daniel S. Peiffer, Noah P. Zimmerman, Li-Shu Wang, Benjamin W.S. Ransom, Steven G. Carmella, Chieh-Ti Kuo, Jibran Siddiqui, Jo-Hsin Chen, Kiyoko Oshima, Yi-Wen Huang, Stephen S. Hecht, and Gary D. Stoner

585  
Slow Overmethylation of Housekeeping Genes in the Body Mucosa Is Associated with the Risk for Gastric Cancer  
Jung-Hivan Oh, Mun-Gan Rhyu, Sung-Hoon Jung, Sang-Wook Choi, Suk-Il Kim, and Seung-Jin Hong

596  
p53 Modulates Hsp90 ATPase Activity and Regulates Aryl Hydrocarbon Receptor Signaling  
Amit Kochhar, Levy Kopelovich, Erika Sue, Joseph B. Guttenplan, Brittny-Shea Herbert, Andrew J. Dannenberg, and Kotha Subbaramaiah

607  
miR-194 as a Predictor for Adenoma Recurrence in Patients with Advanced Colorectal Adenoma after Polypectomy  
Zhen-Hua Wang, Lin-Lin Ren, Ping Zheng, Hai-Ming Zheng, Ya-Nan Yu, Ji-Lin Wang, Yan-Wei Lin, Ying-Xuan Chen, Zhi-Zheng Ge, Xiao-Yu Chen, Jie Hong, and Jing-Yuan Fang

617  
Inhibition of the Transition of Ductal Carcinoma In Situ to Invasive Ductal Carcinoma by a Gemini Vitamin D Analog  
Joseph Wahler, Jae Young So, Yeoun Chan Kim, Fang Liu, Hubert Maehr, Milan Uskokovic, and Nanjoo Suh

627  
6-Shogaol from Dried Ginger Inhibits Growth of Prostate Cancer Cells Both In Vitro and In Vivo through Inhibition of STAT3 and NF-κB Signaling  
Achinto Saha, Jorge Blando, Eric Silver, Linda Beltran, Jonathan Sessler, and John DiGiovanni

© 2014 American Association for Cancer Research
ABOUT THE COVER

Ductal carcinoma in situ (DCIS) is a nonmalignant lesion of the breast with the potential to progress to invasive ductal carcinoma (IDC). The disappearance and breakdown of the myoepithelial cell layer and basement membrane in DCIS have been identified as major events in the development of breast cancer. The inhibitory effects of the Gemini vitamin D analog BXL0124 on the transition from DCIS to IDC were investigated using the MCF10DCIS.com xenograft model in mice. To assess the effects of BXL0124 on the maintenance of myoepithelial cell layer and basement membrane in DCIS, co-immunofluorescence staining was carried out with a basement membrane marker, laminin 5, and a myoepithelial cell marker, smooth muscle actin (SMA), in DCIS tumors. The cover micrograph depicts the merged images of laminin 5 (shown in green), SMA (shown in red), or nuclei (blue). The present study demonstrates BXL0124 as a potential agent to inhibit the transition of DCIS to IDC by maintaining the integrity of the myoepithelial cell layer and the basement membrane. See the article by Wahler et al. (beginning on page 617) for more information.