## Perspectives

**Colorectal Neoplasia Goes with the Flow: Prostaglandin Transport and Termination.** Sanford D. Markowitz

**Genomics of Smoking Exposure and Cessation: Lessons for Cancer Prevention and Treatment.** Trevor M. Penning and Caryn Lerman

## Health Policy

**Impact of Economic, Regulatory, and Patent Policies on Innovation in Cancer Chemoprevention.** Henry G. Grabowski and Jeffrey L. Moe

**Congress Should Establish a Tobacco Regulation Program at the Food and Drug Administration.** William B. Schultz

## Research Articles

**Regulation of Prostaglandin Transporters in Colorectal Neoplasia.** Vijaykumar R. Holla, Michael G. Backlund, Peiyong Yang, Robert A. Newman and Raymond N. DuBois

**Effects of Tobacco Smoke on Gene Expression and Cellular Pathways in a Cellular Model of Oral Leukoplakia.** Zeynep H. Gümüş, Baoheng Du, Ashutosh Kacker, Jay O. Boyle, Jennifer M. Bocker, Piali Mukherjee, Kotha Subbaramaiah, Andrew J. Dannenberg and Harel Weinstein

**Impact of Smoking Cessation on Global Gene Expression in the Bronchial Epithelium of Chronic Smokers.** Li Zhang, J. Jack Lee, Hongli Tang, You-Hong Fan, Lianchun Xiao, Hening Ren, Jonathan Kurie, Rodolfo C. Morice, Waun Ki Hong and Li Mao

**Chemopreventive Doses of Methylselenocysteine Alter Circadian Rhythm in Rat Mammary Tissue.** Xun Zhang and Helmut Zarbl

**Fetal Mouse Cyp1b1 and Transplacental Carcinogenesis from Maternal Exposure to Dibenzo(a,l)pyrene.** David J. Castro, William M. Baird, Clifford B. Pereira, Jack Giovanini, Christiane V. Lohr, Kay A. Fischer, Zhen Yu, Frank J. Gonzalez, Sharon K. Krueger and David E. Williams

**Resveratrol Prevents Estrogen-DNA Adduct Formation and Neoplastic Transformation in MCF-10F Cells.** Fang Lu, Muhammad Zahid, Cheng Wang, Muhammad Saeed, Ercole L. Cavalieri and Eleanor G. Rogan

## Meeting Report

**Meeting Report: Sixth Annual AACR International Conference on Frontiers in Cancer Prevention Research.** Geoffrey D. Girnun, Louise R. Howe, Sharon Manne, Jenny T. Mao, Mary E. Reid and Eva Szabo
About the Cover
The cover image shows a direct interaction network of genes differentially expressed in an oral leukoplakia model (MSK-Leuk1) treated with tobacco smoke (TS) extract (repressed genes, green; induced genes, red). Transcription regulators without significant expression change (white) are expressed in MSK-Leuk1 cells and interact with over five differentially expressed genes, suggesting their roles in signaling pathways perturbed by TS. Network analysis identified specific molecular interactions, hubs and key transcription regulators of interest. The insights into mechanisms underlying the procarcinogenic effects of TS may suggest new targets for cancer prevention and therapy agents and help explain the reduced efficacy of chemoprevention and therapy in smokers. See article by Gümüş et al. on page 100 for more information.
Cancer Prevention Research

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