PERSPECTIVES

623  Aspirin and Familial Adenomatous Polyposis: Coming Full Circle
Andrew T. Chan
See article by Burn et al., p. 655

628  Back to the Future: Mechanism-Based, Mutation-Specific Combination Chemoprevention with a Synthetic Lethality Approach
Frank L. Meyskens, Jr and Eugene W. Gerner
See article by Huang et al., p. 666

INSIGHT

V. Craig Jordan and Leslie G. Ford

REVIEW

638  Mitochondrial Subversion in Cancer
Aditi Chatterjee, Santanu Dasgupta, and David Sidransky

RESEARCH ARTICLES

655  A Randomized Placebo-Controlled Prevention Trial of Aspirin and/or Resistant Starch in Young People with Familial Adenomatous Polyposis
See perspective p. 623

666  Lung-Cancer Chemoprevention by Induction of Synthetic Lethality in Mutant KRAS Premalignant Cells In Vitro and In Vivo
Shaoyi Huang, Xiaoyang Ren, Lai Wang, Ling Zhang, and Xiangwei Wu
See perspective p. 628

674  Epigenetic Alteration of DNA in Mucosal Wash Fluid Predicts Invasiveness of Colorectal Tumors
Seiko Kamimae, Eiichiro Yamamoto, Hiroyo Yamano, Masanori Nojima, Hiromu Suzuki, Masami Ashida, Tomo Hatahira, Akiko Sato, Tomaoki Kimura, Kenjiro Yoshikawa, Taku Harada, Seiko Hayashi, Hiroyuki Takamaru, Reo Maruyama, Masahiro Kai, Morie Nishiwaki, Tamotsu Sugai, Yasushi Sasaki, Takashi Tokino, Yasuhisa Shinomura, Kohzho Imai, and Minoru Toyota

684  Aspirin and Low-Dose Nitric Oxide-Donating Aspirin Increase Life Span in a Lynch Syndrome Mouse Model
Michael A. McIlhatton, Jessica Tyler, Laura A. Kerepesi, Tina Bocker-Edmonston, Melanie H. Kucherlapati, Winfried Edelmann, Raju Kucherlapati, Levy Kopelovich, and Richard Fishel

694  Effects of Maternal Exposure to Cow’s Milk High or Low in Isoflavones on Carcinogen-Induced Mammary Tumorigenesis among Rat Offspring
Tina Skau Nielsen, Stig Purup, Anni Warri, Roger W. Goldschalk, and Leena Hilakivi-Clarke

John M. McLaughlin, Susan Olivo-Marston, Mara Z. Vitolos, Marisa Bittoni, Katherine W. Reeves, Cecilia R. Degrafinreid, Steven J. Schwartz, Steven K. Clinton, and Electra D. Paskett

711  Antioxidant Effects of Lycopene in African American Men with Prostate Cancer or Benign Prostate Hyperplasia: A Randomized, Controlled Trial
Richard B. van Breemen, Roohollah Sharifi, Markos Viana, Natasa Pajkovic, Dongwei Zhu, Long Yuan, Yanan Yang, Phyllis E. Bowen, and Maria Stacewicz-Sapuntzakis
Association of Prostate Cancer Risk Loci with Disease Aggressiveness and Prostate Cancer–Specific Mortality
Mark M. Pomerantz, Lillian Werner, Wanling Xie, Meredith M. Regan, Gwo-Shu Mary Lee, Tong Sun, Carolyn Evan, Gillian Petrozziello, Mari Nakabayashi, William K. Oh, Philip W. Kantoff, and Matthew L. Freedman

Genetic Variability of Smoking Persistence in African Americans

Circulating Levels of Vitamin D and Colon and Rectal Cancer: The Physicians’ Health Study and a Meta-analysis of Prospective Studies
Jung Eun Lee, Haojie Li, Andrew T. Chan, Bruce W. Hollis, I-Min Lee, Meir J. Stampfer, Kana Wu, Edward Giovannucci, and Jing Ma

Vitamin D3 Inhibits Hedgehog Signaling and Proliferation in Murine Basal Cell Carcinomas

Effect of Suppressive Oligodeoxynucleotides on the Development of Inflammation-Induced Papillomas
Hidekazu Ikeuchi, Takeshi Kinjo, and Dennis M. Klinman

Glucose Metabolism Gene Variants Modulate the Risk of Pancreatic Cancer
Xiaoqun Dong, Yanan Li, Ping Chang, Hongwei Tang, Kenneth R. Hess, James L. Abbruzzese, and Donghui Li

In Vivo Longitudinal Imaging of Experimental Human Papillomavirus Infection in Mice with a Multicolor Fluorescence Mini-Endoscopy System
Makoto Mitsunaga, Nobuyuki Kosaka, Rhonda C. Kines, Jeffrey N. Roberts, Douglas R. Lowy, John T. Schiller, Yasushige Ishihara, Akira Hasegawa, Peter L. Choyke, and Hisataka Kobayashi

Correction: Screening for Lynch Syndrome in the General Population—Letter

ABOUT THE COVER
The cover image is a photomicrograph (200X) showing specific induction of apoptosis in KRAS-induced lung tumor cells in LSL-KRAS-G12D mice treated with tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL) plus Smac/DIABLO (Smac) mimic. LSL-KRAS-G12D mice were infected with AdenoCre and treated six weeks later with TRAIL (3 mg/kg) plus Smac mimic (3 mg/kg) for three cycles within one week. Three days after the last treatment, the lung sections were stained with an anti-cleaved caspase 3 antibody, which reveals apoptosing cells. Caspase 3 staining appears in adenoma cells (red-orange, left), whereas the adjacent normal lung epithelial cells are devoid of caspase 3 staining (the image was graphically enhanced for aesthetic purposes). See articles by Huang et al. (beginning on page 666) and Meyskens and Gerner (beginning on page 628) for more information.