## PERSPECTIVES

### Long-term Nicotine Replacement Therapy: Cancer Risk in Context
Peter G. Shields
*Perspective on Murphy et al., p. 1752, and Maier et al., p. 1743*

### How Do We Safely Get People to Stop Smoking?
David C.L. Lam and John D. Minna
*Perspective on Murphy et al., p. 1752, and Maier et al., p. 1743*

## MINIREVIEWS

### Coxibs and Other Nonsteroidal Anti-Inflammatory Drugs in Animal Models of Cancer Chemoprevention
Susan M. Fischer, Ernest T. Hawk, and Ronald A. Lubet

### Weight Cycling and Cancer: Weighing the Evidence of Intermittent Caloric Restriction and Cancer Risk
Henry J. Thompson and Anne McTiernan

## RESEARCH ARTICLES

### Nicotine Does Not Enhance Tumorigenesis in Mutant K-Ras–Driven Mouse Models of Lung Cancer
Colleen R. Maier, M. Christine Hollander, Ethhokia A. Hobbs, Irem Dogan, R. Ilona Linnoila, and Philip A. Dennis
*See Perspective p. 1719 and 1724*

### Chronic Nicotine Consumption Does Not Influence 4-(Methylnitrosamo)-1-(3-Pyridyl)-1-Butanone–Induced Lung Tumorigenesis
Sharon E. Murphy, Linda B. von Weymarn, Melissa M. Schutten, Fekadu Kassie, and Jaime F. Modiano
*See Perspective p. 1719 and 1724*

### Phase III Trial of Selenium to Prevent Prostate Cancer in Men with High-grade Prostatic Intraepithelial Neoplasia: SWOG S9917

### Nuclear Morphometry Identifies a Distinct Aggressive Cellular Phenotype in Cutaneous Squamous Cell Carcinoma

### Lung Cancer Risk Prediction to Select Smokers for Screening CT—a Model Based on the Italian COSMOS Trial
Patrick Maisonneuve, Vincenzo Bagnardi, Massimo Bellomi, Lorenzo Spaggiari, Giuseppe Pelosi, Cristiano Ramponi, Raffaella Bertolotti, Nicole Rotmensz, John K. Field, Andrea DeCensi, and Giulia Veronesi

### Mammography and Ultrasound Imaging of Preinvasive and Invasive Canine Spontaneous Mammary Cancer and Their Similarities to Human Breast Cancer

### Nonsteroidal Anti-inflammatory Drug Use and Risk of Adenomatous and Hyperplastic Polyps
Harvey J. Murff, Martha J. Shrubsole, Zhi Chen, Walter E. Smalley, Heidi Chen, Yu Shyr, Reid M. Ness, and Wei Zheng

### Statin Use and Colorectal Cancer Risk According to Molecular Subtypes in Two Large Prospective Cohort Studies
Jung Eun Lee, Yoshifumi Baba, Kimmie Ng, Edward Giovannucci, Charles S. Fuchs, Shuji Ogino, and Andrew T. Chan
EZH2 Promotes Malignant Phenotypes and Is a Predictor of Oral Cancer Development in Patients with Oral Leukoplakia
Wei Cao, Rania H. Younis, Jiang Li, Haiyan Chen, Ronghui Xia, Li Mao, Wantao Chen, and Hening Ren

Dietary Folate Deficiency Blocks Prostate Cancer Progression in the TRAMP Model
Gaia Bistulfi, Barbara A. Foster, Ellen Karasik, Bryan Gillard, Jeff Miecznikowski, Vineet K. Dhiman, and Dominic J. Smiraglia

Aspirin, Nonsteroidal Anti-inflammatory Drugs, Acetaminophen, and Pancreatic Cancer Risk: a Clinic-Based Case–Control Study
Xiang-Lin Tan, Kaye M. Reid Lombardo, William R. Bamlet, Ann L. Oberg, Dennis P. Robinson, Kristin E. Anderson, and Gloria M. Petersen

(3-Chloroacetyl)-indole, a Novel Allosteric AKT Inhibitor, Suppresses Colon Cancer Growth In Vitro and In Vivo
Dong Joon Kim, Kamamata Reddy, Myoung Ok Kim, Yan Li, Janos Nadas, Yong-Heon Cho, Jong-Heon Kim, Jung-Hyun Shim, Nü Ry Song, Andria Carper, Ronald A. Lubet, Ann M. Bode, and Zigang Dong

Tamoxifen Downregulates Ets Oncogene Family Members ETV4 and ETV5 in Benign Breast Tissue: Implications for Durable Risk Reduction
David Euhrs, Dawei Bu, Xian-Jin Xie, Venetia Sarode, Raheela Ashfaq, Kelly Hunt, Weiya Xia, Joyce O’Shaughnessy, Michael Grant, Banu Arun, William Dooley, Alexander Miller, David Flockhart, and Cheryl Lewis

Ethanol Promotes Chemically Induced Oral Cancer in Mice through Activation of the 5-Lipoxygenase Pathway of Arachidonic Acid Metabolism
Yizhu Guo, Xin Wang, Xinyan Zhang, Zheng Sun, and Xiaoxin Chen

Metabolic Syndrome and Risks of Colon and Rectal Cancer: The European Prospective Investigation into Cancer and Nutrition Study

Phenylbutyl Isoselenocyanate Modulates Phase I and II Enzymes and Inhibits 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanone–Induced DNA Adducts in Mice
Melissa A. Crampsie, Nathan Jones, Arunangshu Das, Cesar Aliaga, Dhimant Desai, Philip Lazarus, Shantu Amin, and Arun K. Sharma

Combination of Atorvastatin with Sulindac or Naproxen Profoundly Inhibits Colonic Adenocarcinomas by Suppressing the p65/β-Catenin/Cyclin D1 Signaling Pathway in Rats

Prospective Investigation of Poultry and Fish Intake in Relation to Cancer Risk
| 1912 | Mitochondrial DNA Copy Number and Pancreatic Cancer in the Alpha-Tocopherol Beta-Carotene Cancer Prevention Study |
| 1913 | Shannon M. Lynch, Stephanie J. Weinstein, Jarmo Virtamo, Qng Lan, Chin-San Liu, Wen-Ling Cheng, Nathaniel Rothman, Demetrios Albanes, and Rachael Z. Stolzenberg-Solomon |
| 1920 | Inhibition by Resistant Starch of Red Meat–Induced Promutagenic Adducts in Mouse Colon |
| 1921 | Jean Winter, Laura Nyskohus, Graeme P. Young, Ying Hu, Michael A. Conlon, Anthony R. Bird, David L. Topping, and Richard K. Le Leu |
| 1929 | Phase II Study of the Effects of Ginger Root Extract on Eicosanoids in Colon Mucosa in People at Normal Risk for Colorectal Cancer |
| 1930 | Suzanna M. Zick, D. Kim Turgeon, Shaiju K. Vareed, Mack T. Ruffin, Amie J. Litzinger, Benjamin D. Wright, Sara Alrawi, Daniel P. Normolle, Zora Djuric, and Dean E. Brenner |
| 1938 | Methyl Selenocysteine: Single-Dose Pharmacokinetics in Men |

**RETRACTION**

Retraction: Psoralidin, an Herbal Molecule, Inhibits Phosphatidylinositol 3-Kinase–Mediated Akt Signaling in Androgen-Independent Prostate Cancer Cells

### ABOUT THE COVER

The cover image is a photomicrograph of an A/J mouse's lung section stained with hematoxylin and eosin (courtesy of M. Christine Hollander and Phillip A. Dennis). The mouse was treated with intraperitoneal injections of the tobacco carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK; 3 weekly doses of 100 mg/kg starting at 6 weeks of age), and lungs were harvested 16 weeks after treatment started. Histologically normal alveoli (honeycomb-like structures) are present throughout the section, and the large, empty spaces bordered by purple-stained bronchial epithelium are normal bronchioles. A lung tumor (purple mass) is evident at the lower right. *In vitro* studies have suggested that nicotine (whose chemical structure is superimposed on the lung section) enhances cancer cell growth, but mouse-model studies suggest otherwise, as reported in this issue of the journal. This issue is of critical importance as the FDA considers approval of long-term nicotine replacement therapy for smoking cessation. See articles by Maier et al. (beginning on page 1743), Murphy et al. (beginning on page 1752), Lam and Minna (beginning on page 1724), and Shields (beginning on page 1719) for more information.