Cancer Prevention: Epigenetics Steps Up to the Plate. Jean-Pierre Issa .................................................. 219


Lung Cancer Risk Models Come of Age. John K. Field ............................................................................ 226

Cancer Risk Assessment and Cancer Prevention: Promises and Challenges. Brian J. Reid .......... 229

Long-term Epigenetic Therapy with Oral Zebularine Has Minimal Side Effects and Prevents
Intestinal Tumors in Mice. Christine B. Yoo, Jody C. Chuang, Hyang-Min Byun, Gerda Egger,
Allen S. Yang, Louis Dubéau, Tiffany Long, Peter W. Laird, Victor E. Marquez and Peter A. Jones ........... 233

NAD⁺-Dependent 15-Hydroxyprostaglandin Dehydrogenase Regulates Levels of Bioactive Lipids in Non-Small Cell Lung Cancer. Duncan Hughes, Taisuke Otani, Peiying Yang,
Robert A. Newman, Rhonda K. Yantiss, Nasser K. Altorki, Jeff L. Port, Min Yan, Sanford D. Markowitz,
Madhu Mazumdar, Hsin-Hsiung Tai, Kotha Subbaramaiah and Andrew J. Dannenberg. ............................ 241

An Expanded Risk Prediction Model for Lung Cancer. Margaret R. Spitz, Carol J. Etzel,
Qiong Dong, Christopher I. Amos, Qingyi Wei, Xifeng Wu and Waun Ki Hong ............................................. 250

Carol J. Etzel, Sumesh Kachroo, Mei Liu, Anthony D'Amelio, Qiong Dong, Michele L. Cote,
Angela S. Wenzlaff, Waun Ki Hong, Anthony J. Greisinger, Ann G. Schwartz and Margaret R. Spitz ........ 255

Differential Modulation of Leukotriene B₄ Synthesis and Degradation in Human Bronchoalveolar Lavage Cells by Lipopolysaccharide and Tobacco Smoke. Jenny T. Mao,
Donald P. Tashkin, I-Hsien Tsu and Kenneth J. Serio .................................................................................. 266

Low-Fat Dietary Pattern and Risk of Benign Proliferative Breast Disease: A Randomized,
Controlled Dietary Modification Trial. Thomas E. Rohan, Abdissa Negassa, Bette Caan,
Rowan T. Chlebowski, J. David Curb, Mindy Ginsberg, Dorothy S. Lane, Marian L. Neuhouser,
James M. Shikany, Sylvia Watterheil-Smoller and David L. Page .............................................................. 275

Combinations of N-Acetyl-S-(N-2-Phenethylthiocarbamoyl)-L-Cysteine and myo-Inositol
Inhibit Tobacco Carcinogen–Induced Lung Adenocarcinoma in Mice. Fekadu Kassie, Ilze Matise,
Mesfin Negia, David Lahti, Yunqian Pan, Robyn Scherber, Pramod Upadhyaya and Stephen S. Hecht...... 285

(−)-Epigallocatechin Gallate Suppresses Azoxymethane-Induced Colonic Premalignant
Lesions in Male C57BL/KsJ-db/db Mice. Masahito Shimizu, Yohei Shirakami, Hiroyasu Sakai,
Seiji Adachi, Kazuya Hata, Yoshinobu Hirose, Hisashi Tsurumi, Takuji Tanaka and Hisataka Moriwaki ................................................................................................................................. 298
About the Cover
The cover image is a surgical resection specimen of non-neoplastic lung parenchyma (200x magnification). 15-Hydroxyprostaglandin dehydrogenase (15-PGDH) in the lung contributes to the short half-life of prostaglandin E2 in blood, but little was known previously about its cellular location. Immunohistochemical staining showed 15-PGDH expression (strong brown staining) in the cytoplasm of pneumocytes in the non-neoplastic lung parenchyma; this staining/expression was lost in carcinoma tissue (not shown). Reduced expression of 15-PGDH in tumor tissue was associated with an accumulation of multiple bioactive lipids. See article by Hughes et al. beginning on page 241 for more information.