Editorial

The Adenoma Prevention with Celecoxib and Prevention of Colorectal Sporadic Adenomatous Polyps Trials: Stepping Stones to Progress. Ernest Hawk and Jaye L. Viner .......................................................... 185

Point/Counterpoint

Biospecimen “Ownership”: Point. Roberta B. Ness on behalf of the American College of Epidemiology Policy Committee ................................................................. 188

Biospecimen “Ownership”: Counterpoint. Lynn G. Dressler ......................................................... 190

Hypothesis/Commentary

Role of Physical Activity in Modulating Breast Cancer Risk as Defined by APC and RASSF1A Promoter Hypermethylation in Nonmalignant Breast Tissue. Yvonne M. Coyle, Xian-Jin Xie, Cheryl M. Lewis, Dawei Bu, Sara Milchgrub, and David M. Euhus ................................................................. 192

Consortia in Cancer Epidemiology: Lessons from InterLymph. Paolo Boffetta, Bruce Armstrong, Martha Linet, Carol Kasten, Wendy Cozen, and Patricia Hartge ......................................................... 197

Research Articles

The Simultaneous Assessment of Constitutional, Behavioral, and Environmental Factors in the Development of Large Nevi. Myles Cockburn, Ann Hamilton, and Thomas Mack ................................................................. 200

A Prospective Study of Blood Selenium Levels and the Risk of Arsenic-Related Premalignant Skin Lesions. Yu Chen, Marri Hall, Joseph H. Graziano, Vesna Slavkovich, Alexander van Geen, Fauqre Parvez, and Habibul Ahsan ................................................................. 207

Common Genetic Variation in TP53 Is Associated with Lung Cancer Risk and Prognosis in African Americans and Somatic Mutations in Lung Tumors. Leah E. Mechanic, Elise D. Bowman, Judith A. Welsh, Mohammed A. Khan, Nobutoshi Hagiwara, Lindsey Énewold, Peter G. Shields, Laurie Burdette, Stephen Chanock, and Curtis C. Harris ................................................................. 214

In situ Assessment of Intraepithelial Neoplasia in Hamster Trachea Epithelium Using Angle-Resolved Low-Coherence Interferometry. Kevin J. Chalut, Laura A. Kresty, John W. Pyhtila, Ronald Nines, Maureen Baird, Vernon E. Steele, and Adam Wax ................................................................. 223

4-(Methylnitrosamino)-I-(3-Pyridyl)-I-Butanone Enhances the Expression of Apolipoprotein A-I and Clara Cell 17-kDa Protein in the Lung Proteomes of Rats Fed a Corn Oil Diet but not a Fish Oil Diet. Sung Il Chang, Karam El-Bayoumy, Indu Sinha, Neil Trushin, Bruce Stanley, Brian Pittman, and Bogdan Prokopczyk ................................................................. 228


Changes in 2-Hydroxyestrone and 16α-Hydroxyestrone Metabolism with Flaxseed Consumption: Modification by COMT and CYP1B1 Genotype. Susan E. McCann, Jean Wactawski-Wende, Kari Kufel, James Olson, Bladimir Ovando, Susan Novell Kadlubar, Warren Davis, Lisa Carter, Paola Muti, Peter G. Shields, and Jo L. Freudenheim .................................................................256

Genetic Variation in the Premature Aging Gene WRN: A Case-Control Study on Breast Cancer Susceptibility. Shian-ling Ding, Jyh-Cherng Yu, Shou-Tung Chen, Giu-Cheng Hsu, and Chen-Yang Shen .................................................................263

The RAD51 135 G>C Polymorphism Modifies Breast Cancer and Ovarian Cancer Risk in Polish BRCA1 Mutation Carriers. Anna Jakubowska, Jacek Gronwald, Janusz Menkszak, Bohdan Gorski, Tomasz Huzarski, Tomasz Byrski, Lutz Edler, Jan Lubiński, Rodney J. Scott, and Ute Hamann .................................................................270

Diabetes and Risk of Endometrial Cancer: A Population-Based Prospective Cohort Study. Emilie Friberg, Christos S. Mantzoros, and Alicja Wolk .................................................................276

Dietary Folate Intake, MTHFR Genetic Polymorphisms, and the Risk of Endometrial Cancer among Chinese Women. Wang-Hong Xu, Martha J. Shrubsole, Yong-Bing Xiang, Quiyin Cai, Gen-ming Zhao, Zhi-xian Ruan, Jia-rong Cheng, Wei Zheng, and Xiao Ou Shu .................................................................281

What Do Women in the U.S. Know about Human Papillomavirus and Cervical Cancer? Jasmin A. Tiro, Helen I. Meissner, Sarah Kobrin, and Veronica Chollette .................................................................288


Interaction of Factors Related to the Metabolic Syndrome and Vitamin D on Risk of Prostate Cancer. Pentti Tuohimaa, Leena Tenkanen, Heimo Syväla, Sonja Lumme, Timo Hakulinen, Joakim Dillner, and Matti Hakama .................................................................302

Serum Adiponectin Concentrations and Tissue Expression of Adiponectin Receptors Are Reduced in Patients with Prostate Cancer: A Case Control Study. Konstantinos Michalakis, Catherine J. Williams, Nicholas Mitsuades, Jennifer Blakeman, Sofia Balafouta-Tselenis, Aris Giannopoulos, and Christos S. Mantzoros .................................................................308

Blood Levels of Long-Chain Polyunsaturated Fatty Acids, Aspirin, and the Risk of Colorectal Cancer. Megan N. Hall, Hannia Campos, Haojie Li, Howard D. Sesso, Meir J. Stampfer, Walter C. Willett, and Jing Ma .................................................................314

Smoking, Helicobacter pylori Virulence, and Type of Intestinal Metaplasia in Portuguese Males. Bárbara Peleteiro, Nuno Lunet, Céu Figueiredo, Fátima Carneiro, Leonor David, and Henrique Barros .................................................................322

Dietary Folate Intake in Combination with MTHFR C677T Genotype and Promoter Methylation of Tumor Suppressor and DNA Repair Genes in Sporadic Colorectal Adenomas. Maureen van den Donk, Manon van Engeland, Linette Pellis, Ben J.M. Witteman, Frans J. Kok, Jaap Keijer, and Ellen Kampman .................................................................327

Pooling of Case Specimens to Create Standard Serum Sets for Screening Cancer Biomarkers. Steven J. Skates, Nora K. Horick, Joseph M. Moy, Anna M. Minihan, Michael V. Seiden, Jeffrey R. Marks, Patrick Sluss, and Daniel W. Cramer .................................................................334

The Prevalence of BRCA2 Mutations in Familial Pancreatic Cancer. Fergus J. Couch, Michele R. Johnson, Kari G. Rabe, Kieran Brune, Mariza de Andrade, Michael Goggins, Heidi Rothenmund, Steven Gallinger, Alison Klein, Gloria M. Petersen, and Ralph H. Hruban .................................................................342

Effects of Maternal Age and Cohort of Birth on Incidence Time Trends of Childhood Acute Lymphoblastic Leukemia. Milena M. Maule, Franco Merletti, Guido Pastore, Corrado Magnani, and Lorenzo Richiardi .................................................................347

Short Communication

Toll-Like Receptor 4 Genetic Variation and Advanced Prostate Cancer Risk. Iona Cheng, Sarah J. Plummer, Graham Casey, and John S. Witte .................................................................352