

## Editorials

**Mathematical Modeling: Epidemiology Meets Systems Biology.** Cornelia M. Ulrich, H. Frederik Nijhout, and Michael C. Reed .....827

**Understanding Population and Individual Risk Assessment: The Case of Polychlorinated Biphenyls.** Peter G. Shields .....830

## Review

**Uptake Rates for Breast Cancer Genetic Testing: A Systematic Review.** Mary E. Ropka, Jennifer Wenzel, Elayne K. Phillips, Mir Siadaty, and John T. Philbrick .....840

## Research Articles

**Difference in the Incidence Trend of Nasopharyngeal and Oropharyngeal Carcinomas in Taiwan: Implication from Age-Period-Cohort Analysis.** Chiun Hsu, Ying-Chun Shen, Chia-Chi Cheng, Ruey-Long Hong, Chee-Jen Chang, and Ann-Lii Cheng .....856

**Sequence Variants in Toll-Like Receptor 10 Are Associated with Nasopharyngeal Carcinoma Risk.** Xin-Xi Zhou, Wei-Hua Jia, Guo-Ping Shen, Hai-de Qin, Xing-Juan Yu, Li-Zhen Chen, Qi-Sheng Feng, Yin Yao Shugart, and Yi-Xin Zeng .....862

**Perinatal Risk Factors for Cancer of the Esophagus and Gastric Cardia: A Nested Case-Control Study.** Olof Akre, Lina Forssell, Magnus Kaijser, Ingrid Norén-Nilsson, Jesper Lagergren, Olof Nyrén, and Anders Ekblom .....867

**Body Mass Index and Adenocarcinomas of the Esophagus or Gastric Cardia: A Systematic Review and Meta-analysis.** Ai Kubo and Douglas A. Corley .....872

**Anthropometry, Physical Activity, and the Risk of Pancreatic Cancer in the European Prospective Investigation into Cancer and Nutrition.** Amy Berrington de González, Elizabeth A. Spencer, H. Bas Bueno-de-Mesquita, Andrew Roddam, Rachel Stolzenberg-Solomon, Jytte Halkjær, Anne Tjønneland, Kim Overvad, Françoise Clavel-Chapelon, Marie-Christine Boutron-Ruault, Heiner Boeing, Tobias Pischon, Jakob Linseisen, Sabine Rohrmann, Antonia Trichopoulou, Vassiliki Benetou, Aristoteles Papadimitriou, Valeria Pala, Domenico Palli, Salvatore Panico, Rosario Tumino, Paolo Vineis, Hendriek C. Boshuizen, Marga C. Ocke, Petra H. Peeters, Eiliv Lund, Carlos A. Gonzalez, Nerea Larrañaga, Carmen Martinez-Garcia, Michelle Mendez, Carmen Navarro, J. Ramón Quirós, Mariá-José Tormo, Göran Hallmans, Weimin Ye, Sheila A. Bingham, Kay-Tee Khaw, Naomi Allen, Tim J. Key, Mazda Jenab, Teresa Norat, Pietro Ferrari, and Elio Riboli .....879

**DNMT3b Polymorphism and Hereditary Nonpolyposis Colorectal Cancer Age of Onset.** J. Shawn Jones, Christopher I. Amos, Mala Pande, Xiangjun Gu, Jinyun Chen, Imelda M. Campos, Qingyi Wei, Miguel Rodriguez-Bigas, Patrick M. Lynch, and Marsha L. Frazier .....886

**Incidence of Colorectal Cancer in Relation to Glycemic Index and Load in a Cohort of Women.** Mary McCarl, Lisa Harnack, Paul J. Limburg, Kristin E. Anderson, and Aaron R. Folsom .....892

**Tobacco Smoking and Colorectal Hyperplastic and Adenomatous Polyps.** Bu-Tian Ji, Joel L. Weissfeld, Wong-Ho Chow, Wen-Yi Huang, Robert E. Schoen, and Richard B. Hayes for the Prostate, Lung, Colorectal, and Ovarian Trial Team .....897

**Gender-Specific Protective Effect of Hemoglobin on Arsenic-Induced Skin Lesions.** Carrie V. Breton, E. Andres Houseman, Molly L. Kile, Quazi Quamruzzaman, Mahmuder Rahman, Golam Mahiuddin, and David C. Christiani .....902

<b>Human Papillomavirus Testing Following Loop Electrosurgical Excision Procedure Identifies Women at Risk for Posttreatment Cervical Intraepithelial Neoplasia Grade 2 or 3 Disease.</b> Aimée R. Kreimer, Richard S. Guido, Diane Solomon, Mark Schiffman, Sholom Wacholder, José Jeronimo, Cosette M. Wheeler, and Philip E. Castle for the ASCUS-LSIL Study (ALTS) Group	.908
<b>Smokers at Higher Risk for Undetected Antibody for Oncogenic Human Papillomavirus Type 16 Infection.</b> Dorothy J. Wiley, Edward Wiesmeier, Emmanuel Masongsong, Karen H. Gylys, Laura A. Koutsky, Daron G. Ferris, Eliav Barr, Jian Yu Rao, and The Proof of Principle Study Investigative Group	.915
<b>Statin Use and Risk of Lymphoid Neoplasms: Results from the European Case-Control Study EPILYMPH.</b> Joan Fortuny, Sílvia de Sanjosé, Nikolaus Becker, Marc Maynadié, Pier Luigi Cocco, Anthony Staines, Lenka Foretova, Martine Vornanen, Paul Brennan, Alexandra Nieters, Tomàs Alvaro, and Paolo Boffetta	.921
<b>Associations of Classic Kaposi Sarcoma with Common Variants in Genes that Modulate Host Immunity.</b> Elizabeth E. Brown, Daniele Fallin, Ingo Ruczinski, Amy Hutchinson, Brian Staats, Francesco Vitale, Carmela Lauria, Diego Serraino, Giovanni Rezza, Georgina Mbisa, Denise Whitby, Angelo Messina, James J. Goedert, Stephen J. Chanock, and Kaposi Sarcoma Working Group	.926
<b>Role of the Nijmegen Breakage Syndrome 1 Gene in Familial and Sporadic Prostate Cancer.</b> Scott J. Hebbing, Henna Fredriksson, Kirsten A. White, Christiane Maier, Charles Ewing, Shannon K. McDonnell, Steven J. Jacobsen, James Cerhan, Daniel J. Schaid, Tarja Ikonen, Ville Autio, Teuvo L.J. Tammela, Kathleen Herkommer, Thomas Paiss, Walther Vogel, Marta Gielzak, Jurga Sauvageot, Johanna Schleutker, Kathleen A. Cooney, William Isaacs, and Stephen N. Thibodeau	.935
<b>Plasma Antibodies against <i>Trichomonas vaginalis</i> and Subsequent Risk of Prostate Cancer.</b> Siobhan Sutcliffe, Edward Giovannucci, John F. Alderete, Te-Hung Chang, Charlotte A. Gaydos, Jonathan M. Zenilman, Angelo M. De Marzo, Walter C. Willett, and Elizabeth A. Platz	.939
<b>Relationship between Established Breast Cancer Risk Factors and Risk of Seven Different Histologic Types of Invasive Breast Cancer.</b> Christopher I. Li, Janet R. Daling, Kathleen E. Malone, Leslie Bernstein, Polly A. Marchbanks, Jonathan M. Liff, Brian L. Strom, Michael S. Simon, Michael F. Press, Jill A. McDonald, Giske Ursin, Ronald T. Burkman, Dennis Deapen, and Robert Spirtas	.946
<b>Value for the Future and Breast Cancer–Preventive Health Behavior.</b> Andrea Gurmankin Levy, Ellyn Micco, Mary Putt, and Katrina Armstrong	.955
<b>Mammographic Density as a Surrogate Marker for the Effects of Hormone Therapy on Risk of Breast Cancer.</b> Norman F. Boyd, Lisa J. Martin, Qing Li, Limei Sun, Anna M. Chiarelli, Greg Hislop, Martin J. Yaffe, and Salomon Minkin	.961
<b>The Association of Plasma DHEA and DHEA Sulfate with Breast Cancer Risk in Predominantly Premenopausal Women.</b> Shelley S. Tworoger, Stacey A. Missmer, A. Heather Eliassen, Donna Spiegelman, Elizabeth Folkerd, Mitch Dowsett, Robert L. Barbieri, and Susan E. Hankinson	.967
<b>Reproducibility of Plasma Steroid Hormones, Prolactin, and Insulin-like Growth Factor Levels among Premenopausal Women over a 2- to 3-Year Period.</b> Stacey A. Missmer, Donna Spiegelman, Elizabeth R. Bertone-Johnson, Robert L. Barbieri, Michael N. Pollak, and Susan E. Hankinson	.972
<b>NAD(P)H:Quinone Oxidoreductase 1 (<i>NQO1</i>) Pro187Ser Polymorphism and the Risk of Lung, Bladder, and Colorectal Cancers: a Meta-analysis.</b> Chun Chao, Zuo-Feng Zhang, Julien Berthiller, Paolo Boffetta, and Mia Hashibe	.979
<b>4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol and its Glucuronides in the Urine of Infants Exposed to Environmental Tobacco Smoke.</b> Stephen S. Hecht, Steven G. Carmella, Ky-Anh Le, Sharon E. Murphy, Angela J. Boettcher, Chap Le, Joseph Koopmeiners, Larry An, and Deborah J. Hennrikus	.988
<b>A Comparison of Carotenoids, Retinoids, and Tocopherols in the Serum and Buccal Mucosa of Chronic Cigarette Smokers versus Nonsmokers.</b> Helen E. Gabriel, Zhenhua Liu, Jimmy W. Crott, Sang-Woon Choi, Byeng Chun Song, Joel B. Mason, and Elizabeth J. Johnson	.993
<b>Estimating the Effect of Human Base Excision Repair Protein Variants on the Repair of Oxidative DNA Base Damage.</b> Bahrad A. Sokhansanj and David M. Wilson III	.1000
<b>Alcohol Dehydrogenase 2 His<sup>47</sup>Arg Polymorphism Influences Drinking Habit Independently of Aldehyde Dehydrogenase 2 Glu<sup>487</sup>Lys Polymorphism: Analysis of 2,299 Japanese Subjects.</b> Keitaro Matsuo, Kenji Wakai, Kaoru Hirose, Hidemi Ito, Toshiko Saito, and Kazuo Tajima	.1009
<b>Mesothelin Variant 1 Is Released from Tumor Cells as a Diagnostic Marker.</b> Ingegerd Hellstrom, John Raycraft, Sandra Kanan, Niranjan Y. Sardesai, Thorsten Verch, Yi Yang, and Karl Erik Hellstrom	.1014

## Short Communications

- Common Genetic Variation at *PTEN* and Risk of Sporadic Breast and Prostate Cancer.** Christopher A. Haiman, Daniel O. Stram, Iona Cheng, Elena E. Giorgi, Loreall Pooler, Kathryn Penney, Loïc Le Marchand, Brian E. Henderson, and Matthew L. Freedman .....1021
- The Influence of Statin Use on Breast Density.** Denise M. Boudreau, Carolyn M. Rutter, and Diana S.M. Buist .....1026
- A Phase II Study with Antioxidants, Both in the Diet and Supplemented, Pharmacnutritional Support, Progestagen, and Anti-Cyclooxygenase-2 Showing Efficacy and Safety in Patients with Cancer-Related Anorexia/Cachexia and Oxidative Stress.** Giovanni Mantovani, Antonio Macciò, Clelia Madeddu, Giulia Gramignano, Maria Rita Lusso, Roberto Serpe, Elena Massa, Giorgio Astara, and Laura Deiana .....1030
- A Reproducibility Study for a Fluoride Assay in Bone.** Nancy Medina, Chester W. Douglass, Gary M. Whitford, Robert N. Hoover, and Thomas R. Fears .....1035
- The Effects of *GSTM1* and *GSTT1* Polymorphisms on Micronucleus Frequencies in Human Lymphocytes *In vivo*.** Micheline Kirsch-Volders, Raluca Antonina Mateuca, Mathieu Roelants, Annie Tresp, Errol Zeiger, Stefano Bonassi, Nina Holland, Wushou Peter Chang, Peter Vande Aka, Marlies DeBoeck, Lode Godderis, Vincent Haufroid, Hitoshi Ishikawa, Blanca Laffon, Ricardo Marcos, Lucia Migliore, Hannu Norppa, Joao Paulo Teixeira, Andrea Zijno, and Michael Fenech .....1038

## Null Results in Brief

- No Association between Polymorphisms in *CYP2E1*, *GSTM1*, *NAT1*, *NAT2* and the Risk of Gastric Adenocarcinoma in the European Prospective Investigation into Cancer and Nutrition.** Antonio Agudo, Núria Sala, Guillem Pera, Gabriel Capellá, Antonio Berenguer, Nadia García, Domenico Palli, Heiner Boeing, Giuseppe Del Giudice, Calogero Saieva, Fatima Carneiro, Franco Berrino, Carlotta Sacerdote, Rosario Tumino, Salvatore Panico, Göran Berglund, Henrik Simán, Roger Stenling, Göran Hallmans, Carmen Martínez, Pilar Amiano, Aurelio Barricarte, Carmen Navarro, Jose R. Quirós, Naomi Allen, Tim Key, Sheila Bingham, Kay-Tee Khaw, Jakob Linseisen, Gabriele Nagel, Kim Overvad, Anne Tjønneland, Anja Olsen, H. Bas Bueno-de-Mesquita, Hendriek C. Boshuizen, Petra H. Peeters, Mattijs E. Numans, Françoise Clavel-Chapelon, Marie-Christine Boutron-Ruault, Antonia Trichopoulou, Eiliv Lund, Hendrik Bläker, Mazda Jenab, Pietro Ferrari, Teresa Norat, Elio Riboli, and Carlos A. González .....1043
- Selenomethionine Treatment Does Not Alter Gene Expression in Normal Squamous Esophageal Mucosa in a High-Risk Chinese Population.** Nina Joshi, Laura Lee Johnson, Wen-Qiang Wei, Christian C. Abnet, Zhi-Wei Dong, Philip R. Taylor, Paul J. Limburg, Sanford M. Dawsey, Ernest T. Hawk, You-Lin Qiao, and Ilan R. Kirsch .....1046
- Genetic Polymorphisms in the DNA Double-Strand Break Repair Genes *XRCC3*, *XRCC2*, and *NBS1* Are Not Associated with Acute Side Effects of Radiotherapy in Breast Cancer Patients.** Odilia Popanda, Xiang-Lin Tan, Christine B. Ambrosone, Silke Kropp, Irmgard Helmbold, Dietrich von Fournier, Wulf Haase, Marie Luise Sautter-Bihl, Frederik Wenz, Peter Schmezer, and Jenny Chang-Claude .....1048
- Dietary Factors and Cancers of the Renal Pelvis and Ureter.** Kaye E. Brock, Gloria Gridley, Linda Morris Brown, Mimi C. Yu, Janet B. Schoenberg, Charles F. Lynch, and Joseph K. McLaughlin .....1051

## Letters to the Editors

- Food Frequency Questionnaires: Not Irrelevant Yet.** Linda E. Kelemen .....1054
- Is There a Right-Sided Shift for Colorectal Cancer in Women Compared with Men?** Gianluigi Ferretti, Alessandra Felici, Francesco Cognetti, and Mario Mandala .....1054

## Correction .....1056

## Instructions for Authors ..... i-iv

# Cancer Epidemiology, Biomarkers & Prevention

15 (5)

*Cancer Epidemiol Biomarkers Prev* 2006;15:827-1056.

**Updated version** Access the most recent version of this article at:  
<http://cebp.aacrjournals.org/content/15/5>

**E-mail alerts** [Sign up to receive free email-alerts](#) related to this article or journal.

**Reprints and Subscriptions** To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at [pubs@aacr.org](mailto:pubs@aacr.org).

**Permissions** To request permission to re-use all or part of this article, use this link <http://cebp.aacrjournals.org/content/15/5>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.