## Highlights of This Issue 2143

### EDITORIAL

**2145**

**Oxidative Stress, Dietary Antioxidant Supplements, and Health: Is the Glass Half Full or Half Empty?**

Susan T. Mayne

*See articles, p. 2202 and 2312*

### REVIEWS

**2148**

**Collaborative Cancer Epidemiology in the 21st Century: The Model of Cancer Consortia**

Michael R. Burgio, John P.A. Ioannidis, Brett M. Kaminski, Eric DeRycke, Scott Rogers, Muin J. Khoury, and Daniela Seminara

**2161**

**Serologic Autoantibodies as Diagnostic Cancer Biomarkers—A Review**

Pauline Zaenker and Melanie R. Ziman

**2182**

**Review of Mass Spectrometry–Based Metabolomics in Cancer Research**

David B. Liesenfeld, Nina Habermann, Robert W. Owen, Augustin Scalbert, and Cornelia M. Ulrich

### RESEARCH ARTICLES

**2202**

**Serum Antioxidant Nutrients, Vitamin A, and Mortality in U.S. Adults**

Abhishek Goyal, Mary Beth Terry, and Abby B. Siegel

*See editorial, p. 2145, and article, p. 2312*

**2212**

**Identification of Breast Cancer DNA Methylation Markers Optimized for Fine-Needle Aspiration Samples**

Dawei Bu, Cheryl M. Lewis, Venetia Sarode, Min Chen, Xiaotu Ma, Aaron M. Lazarowitz, Roshni Rao, Marilyn Leitch, Amy Moldrem, Valerie Andrews, Adi Gazdar, and David Euhus

**2222**

**Site-Specific Determinants of Cutaneous Melanoma: A Case–Case Comparison of Patients with Tumors Arising on the Head or Trunk**

Marina Kvaskoff, Nirmala Pandeya, Adèle C. Green, Susan Perry, Catherine Baxter, Marcia B. Davis, Rohan Mortimore, Lorraine Westacott, Dominic Wood, Joe Triscott, Richard Williamson, and David C. Whiteman

**2232**

**Childhood Height and Birth Weight in Relation to Future Prostate Cancer Risk: A Cohort Study Based on the Copenhagen School Health Records Register**

Michael B. Cook, Michael Gamborg, Julie Aarestrup, Thorkild I.A. Serensen, and Jennifer L. Baker

**2241**

**Predicting Risk of Bladder Cancer Using Clinical and Demographic Information from Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial Participants**

Maria C. Mir, Andrew J. Stephenson, Robert L. Grubb III, Amanda Black, Adam S. Kibel, and Grant Izmirlian

**2250**

**Plasma Levels of Adiponectin and Primary Liver Cancer Risk in Middle-Aged Japanese Adults with Hepatitis Virus Infection: A Nested Case–Control Study**

Takehiro Michikawa, Manami Inoue, Norie Sawada, Shizuka Sasazuki, Yasuhiro Tanaka, Motoki Iwasaki, Taichi Shimazu, Taiki Yamaji, Masashi Mizokami, and Shoichiro Tsugane, for the Japan Public Health Center–based Prospective Study Group

**2258**

**Antidiabetic Medications and the Risk of Colorectal Cancer in Patients with Diabetes Mellitus: A Systematic Review and Meta-analysis**

Siddharth Singh, Harkirat Singh, Preet Paul Singh, M. Hassan Murad, and Paul J. Limburg
2269 Increased Rate of Phenocopies in All Age Groups in BRCA1/BRCA2 Mutation Kindred, but Increased Prospective Breast Cancer Risk Is Confined to BRCA2 Mutation Carriers

2277 Hormonal Determinants of Nipple Aspirate Fluid Yield among Breast Cancer Cases and Screening Controls

2285 Prognostic Impact of Cigarette Smoking on the Survival of Patients with Established Nasopharyngeal Carcinoma
Pu-Yun OuYang, Zhen Su, Yan-Ping Mao, Xue-Xia Liang, Qing Liu, Wuguo Deng, and Fang-Yun Xie

2295 Factorial Validity and Invariance of Four Psychosocial Constructs of Colorectal Cancer Screening: Does Screening Experience Matter?
Caitlin C. Murphy, Amy McQueen, L. Kay Bartholomew, Deborah J. del Junco, Sharon P. Coan, and Sally W. Vernon

2303 Body Mass Index and Microsatellite Instability in Colorectal Cancer: A Population-based Study
Michael Hoffmeister, Hendrik Bläker, Matthias Kloor, Wilfried Roth, Csaba Toth, Bernd Frank, Peter Schirmacher, Jenny Chang-Claude, and Hermann Brenner

2312 Specialty Supplement Use and Biologic Measures of Oxidative Stress and DNA Damage
Elizabeth D. Kantor, Cornelia M. Ulrich, Robert W. Owen, Peter Schmezer, Marian L. Neuhausen, Johanna W. Lampe, Ulrike Peters, Danny D. Shen, Thomas L. Vaughan, and Emily White

2323 The PALB2 Gene Is a Strong Candidate for Clinical Testing in BRCA1- and BRCA2-Negative Hereditary Breast Cancer
Marketa Janatova, Zdenek Kleibl, Jana Stibrna, Kamila Vesela, Martina Zimovjanova, Petra Kleiblova, Pavel Dunbr, Jana Soukupova, and Petr Pohlreich

2333 Loss of PTEN Is Associated with Aggressive Behavior in ERG-Positive Prostate Cancer

2345 Parity and Kidney Cancer Risk: Evidence from Epidemiologic Studies
Hong-Bo Guan, Qi-Jun Wu, and Ting-Ting Gong

2354 Prostate-Specific Membrane Antigen Protein Expression in Tumor Tissue and Risk of Lethal Prostate Cancer
Julie L. Kasperzyk, Stephen P. Finn, Richard Flavin, Michelangelo Fiorentino, Rosina Lis, Whitney K. Hendrickson, Steven K. Clinton, Howard D. Sesso, Edward L. Giovannucci, Meir J. Stampfer, Massimo Loda, and Lorelei A. Mucci

2364 Exploration of Genome-Wide Circulating MicroRNA in Hepatocellular Carcinoma: MiR-483-5p as a Potential Biomarker
Jing Shen, Antai Wang, Qiao Wang, Irina Gurvich, Abby B. Siegel, Helen Remotti, and Regina M. Santella

2374 An Exploratory Study of Respiratory Quotient Calibration and Association with Postmenopausal Breast Cancer
Ross L. Prentice, Marian L. Neuhauser, Lesley F. Tinker, Mary Pettinger, Cynthia A. Thomson, Yasmin Mossavar-Rahmani, Fridtjof Thomas, Lihong Qi, and Ying Huang

2384 Sugar-Sweetened Beverage Intake and the Risk of Type I and Type II Endometrial Cancer among Postmenopausal Women
Maki Inoue-Choi, Kim Robien, Andrea Mariani, James R. Cerhan, and Kristin E. Anderson
Explaining Variance in the Cumulus Mammographic Measures That Predict Breast Cancer Risk: A Twins and Sisters Study
Tuong L. Nguyen, Daniel F. Schmidt, Enes Makalic, Gillian S. Dite, Jennifer Stone, Carmel Apicella, Minh Bui, Robert J. MacInnis, Fabrice Odefrey, Jennifer N. Cawson, Susan A. Treloar, Melissa C. Southey, Graham G. Giles, and John L. Hopper

Impact of Postdiagnosis Smoking on Long-term Survival of Cancer Patients: The Shanghai Cohort Study
Li Tao, Renwei Wang, Yu-Tang Gao, and Jian-Min Yuan

Lower Skin Cancer Risk in Women with Higher Body Mass Index: The Women’s Health Initiative Observational Study
Jean Y. Tang, Michael T. Henderson, Tina Hernandez-Boussard, Jessica Kubo, Manisha Desai, Stacy T. Sims, Vanita Aroda, Fridtjof Thomas, Anne McTiernan, and Marcia L. Stefanick

Seropositivity to Helicobacter pylori and Risk of Pancreatic Cancer
Guoqin Yu, Gwen Murphy, Angelika Michel, Stephanie J. Weinstein, Satu Mannistö, Demetrius Albanes, Michael Pawlita, and Rachael Z. Stolzenberg-Solomon

Circulating Soluble CD27 and CD30 in Workers Exposed to 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)
Fatemeh Saberi Hosnijeh, Lützen Portengen, H. Bas Bueno-de-Mesquita, Dick Heederik, and Roel Vermeulen

Tanning Bed Use Is Not Associated with Internal Cancer Risk: Evidence from a Large Cohort Study
Mingfeng Zhang, Fengju Song, David J. Hunter, Abrar A. Qureshi, and Jiali Han

Acknowledgment to Reviewers