Editorials

Conquering Cancer Disparities: New Opportunities for Cancer Epidemiology, Biomarker, and Prevention Research. Timothy R. Rebbeck .......................................................... 1569

Biorepository and Biospecimen Science: A New Focus for CEBP. Jimmie B. Vaught ...................................................... 1572

CEBP Focus: Biorepository and Biospecimen Science

Sample Collection, Processing, and Storage for Large-Scale Studies: Biorepositories to Support Cancer Research. Christine B. Ambrosone .................................................. 1574

Establishing a Cancer Center Data Bank and Biorepository for Multidisciplinary Research. Christine B. Ambrosone, Mary K. Nesline, and Warren Davis .................................................. 1575

Collection, Processing, and Storage of Biological Samples in Epidemiologic Studies: Sex Hormones, Carotenoids, Inflammatory Markers, and Proteomics as Examples. Shelley S. Tworoger and Susan E. Hankinson .......... 1578

Blood Collection, Shipment, Processing, and Storage. Jimmie B. Vaught ........................................................................ 1582

Approaches to DNA/RNA Extraction and Whole Genome Amplification. Regina M. Santella .................................................. 1585

Research Articles

Effect of a 12-Month Exercise Intervention on Patterns of Cellular Proliferation in Colonic Crypts: A Randomized Controlled Trial. Anne McTiernan, Yutaka Yasui, Bess Sorensen, Melinda L. Irwin, Angela Morgan, Rebecca E. Rudolph, Christina Surawicz, Johanna W. Lampe, Kamran Ayub, John D. Fotter, and Paul D. Lampe ................. 1588

Proteomic Profiling Identifies Cyclooxygenase-2-Independent Global Proteomic Changes by Celecoxib in Colorectal Cancer Cells. Jianrong Lou, Naheed Fatima, Zhen Xiao, Stacy Stauffer, Gary Smythers, Peter Greenwald, and Iqbal Unnisa Ali .................................................................. 1598


Polymorphisms in Nucleotide Excision Repair Genes and DNA Repair Capacity Phenotype in Sisters Discordant for Breast Cancer. Jing Shen, Manisha Desai, Meenakshi Agrawal, David O. Kennedy, Ruby T. Senie, Regina M. Santella, and Mary Beth Terry ........................................................................ 1614


Genomic Instability and Prognosis in Breast Carcinomas. Ulrike Kronenwett, Alexander Ploner, Anders Zetterberg, Jonas Bergh, Per Hall, Gert Auer, and Yudi Pawitan ..................................................................... 1630

Endometrial Cancer Risk Is Associated with Variants of the Mismatch Repair Genes MLH1 and MSH2. Mario E. Beiner, Barry Rosen, Anthony Fyles, Ian Harley, Tuya Pal, Kathy Siminovitch, Shiyu Zhang, Ping Sun, and Steven A. Narod ........................................................................ 1636


Consumption of Aspartame-Containing Beverages and Incidence of Hematopoietic and Brain Malignancies. Unhee Lim, Amy F. Subar, Traci Mouw, Patricia Hartge, Lindsay M. Morton, Rachael Stolzenberg-Solomon, David Campbell, Albert R. Hollebeck, and Arthur Schatzkin ................................................................. 1654


Familiality in Barrett’s Esophagus, Adenocarcinoma of the Esophagus, and Adenocarcinoma of the Gastroesophageal Junction. Amitabh Chak, Heather Ochs-Balcom, Gary Falk, William M. Grady, Margaret Kinnard, Joseph E. Willis, Robert Elston, and Charis Eng ................................................................. 1668

Interleukin-1β and Interleukin-1 Receptor Antagonist Gene Polymorphisms and Gastric Cancer: A Meta-analysis. M. Constanza Camargo, Robertino Mera, Pelayo Correa, Richard M. Morton, Rachael Stolzenberg-Solomon, David Campbell, Albert R. Hollebeck, and Arthur Schatzkin ................................................................. 1674

Vitamin D Intake and the Risk for Pancreatic Cancer in Two Cohort Studies. Halcyon G. Skinner, Dominique S. Michaud, Edward Giovannucci, Walter C. Willett, Graham A. Colditz, and Charles S. Fuchs .... 1688

Use of Analgesics and Nonsteroidal Anti-inflammatory Drugs, Genetic Predisposition, and Bladder Cancer Risk in Spain. Joan Fortuny, Manolis Kogevinas, Montserrat Garcia-Closas, Francisco X. Real, Adonina Tardón, Reina Garcia-Closas, Consol Serra, Alfredo Carrato, Josep Lloreta, Nat Rothman, Cristina Villanueva, Mustafa Dosemeci, Núria Malats, and Debra Silverman ................................................................. 1696

Association of Polymorphisms in AhR, CYP1A1, GSTM1, and GSTTI Genes with Levels of DNA Damage in Peripheral Blood Lymphocytes among Coke-Oven Workers. Yongwen Chen, Yun Bai, Jing Yuan, Weihong Chen, Jianya Sun, Hong Wang, Huashan Liang, Liang Guo, Xiaobo Yang, Hao Tan, Yougong Su, Qingyi Wei, and Tangchun Wu ................................................................. 1703


Up-to-Date Estimates of Cancer Patient Survival Even with Common Latency in Cancer Registration. Hermann Brenner and Timo Hakulinen ................................................................. 1727

Serum Heat Shock Protein 70 Levels and Lung Cancer Risk: A Case-Control Study Nested in a Large Cohort Study. Koji Suzuki, Yoshinori Ito, Kenji Wakai, Miyuki Kawado, Shuji Hashimoto, Nao Seki, Masahiko Ando, Yoshikazu Nishino, Takaaki Kondo, Yoshiyuki Watanabe, Kotaro Ozasa, Takashi Inoue, and Akiko Tamakoshi, and for the Japan Collaborative Cohort Study Group ................................................................. 1733

Short Communications


Quality and Quantity of Saliva DNA Obtained from the Self-administrated Oragene Method—A Pilot Study on the Cohort of Swedish Men. Tove Rylander-Rudqvist, Niclas Håkansson, Gunnel Tybring, and Alicja Wolk ................................................................. 1742

Personal Permanent Hair Dye Use Is Not Associated with Bladder Cancer Risk: Evidence from a Case-Control Study. Jie Lin, Colin P. Dinney, H. Barton Grossman, and Xifeng Wu ................................................................. 1746