

## Highlights of This Issue 1007

### REVIEWS

**1009** The Effect of Exercise Training on Mediators of Inflammation in Breast Cancer Survivors: A Systematic Review with Meta-analysis

Jose F. Meneses-Echávez, Jorge E. Correa-Bautista, Emilio González-Jiménez, Jacqueline Schmidt Río-Valle, Mark R. Elkins, Felipe Lobelo, and Robinson Ramírez-Vélez

**1018** Adherence to Diet and Physical Activity Cancer Prevention Guidelines and Cancer Outcomes: A Systematic Review

Lindsay N. Kohler, David O. Garcia, Robin B. Harris, Eyal Oren, Denise J. Roe, and Elizabeth T. Jacobs

### CEBP REPORT

**1029** Anticipating the "Silver Tsunami": Prevalence Trajectories and Comorbidity Burden among Older Cancer Survivors in the United States

Shirley M. Bluethmann, Angela B. Mariotto, and Julia H. Rowland

### RESEARCH ARTICLES

**1037** Circulating Cancer-Associated Macrophage-Like Cells Differentiate Malignant Breast Cancer and Benign Breast Conditions



Daniel L. Adams, Diane K. Adams, R. Katherine Alpaugh, Massimo Cristofanilli, Stuart S. Martin, Saranya Chumsri, Cha-Mei Tang, and Jeffrey R. Marks

**1043** Genetic Variation Associated with Longer Telomere Length Increases Risk of Chronic Lymphocytic Leukemia

Juhi Ojha; Veryan Codd, Christopher P. Nelson, and Nilesh J. Samani, on behalf of the ENGAGE Consortium Telomere Group; Ivan V. Smirnov, Nils R. Madsen, Helen M. Hansen, Adam J. de Smith, Paige M. Bracci, John K. Wiencke, Margaret R. Wrensch, Joseph L. Wiemels, and Kyle M. Walsh

**1050** Selenium- or Vitamin E-Related Gene Variants, Interaction with Supplementation, and Risk of High-Grade Prostate Cancer in SELECT

June M. Chan, Amy K. Darke, Kathryn L. Penney, Catherine M. Tangen, Phyllis J. Goodman, Gwo-Shu Mary Lee, Tong Sun, Sam Peisch, Alex M. Tinianow, James M. Rae, Eric A. Klein, Ian M. Thompson Jr, Philip W. Kantoff, and Lorelei A. Mucci

**1059** Parity and Oral Contraceptive Use in Relation to Ovarian Cancer Risk in Older Women

Valerie McGuire, Patricia Hartge, Linda M. Liao, Rashmi Sinha, Leslie Bernstein, Alison J. Canchola, Garnet L. Anderson, Marcia L. Stefanick, and Alice S. Whittemore

**1064** The Effect of Patient and Contextual Characteristics on Racial/Ethnic Disparity in Breast Cancer Mortality

Richard Sposto, Theresa H.M. Keegan, Cheryl Vigen, Marilyn L. Kwan, Leslie Bernstein, Esther M. John, Iona Cheng, Juan Yang, Jocelyn Koo, Allison W. Kurian, Bette J. Caan, Yani Lu, Kristine R. Monroe, Salma Shariff-Marco, Scarlett Lin Gomez, and Anna H. Wu

**1073** PIWI-Interacting RNAs in Gliomagenesis: Evidence from Post-GWAS and Functional Analyses

Daniel I. Jacobs, Qin Qin, Michael C. Lerro, Alan Fu, Robert Dubrow, Elizabeth B. Claus, Andrew T. DeWan, Guilin Wang, Haifan Lin, and Yong Zhu

**1081** Serum Estrogens and Estrogen Metabolites and Endometrial Cancer Risk among Postmenopausal Women

Louise A. Brinton, Britton Trabert, Garnet L. Anderson, Roni T. Falk, Ashley S. Felix, Barbara J. Fuhrman, Margery L. Gass, Lewis H. Kuller, Ruth M. Pfeiffer, Thomas E. Rohan, Howard D. Strickler, Xia Xu, and Nicolas Wentzensen

**1090** Long-Term Risk for Noncervical Anogenital Cancer in Women with Previously Diagnosed High-Grade Cervical Intraepithelial Neoplasia: A Danish Nationwide Cohort Study

Freja Lærke Sand, Christian Munk, Signe Marie Jensen, Malene Frøsig Svahn, Kirsten Frederiksen, and Susanne K. Kjær

# Table of Contents

- 1098** **Clinicopathologic Features of Colorectal Carcinoma in HIV-Positive Patients**  
Carlie Sigel, Marcela S. Cavalcanti, Tanisha Daniel, Efsevia Vakiani, Jinru Shia, and Keith Sigel
- 1105** **Comprehensive Evaluation of Medical Conditions Associated with Risk of Non-Hodgkin Lymphoma using Medicare Claims ("MedWAS")**  
Eric A. Engels, Ruth Parsons, Caroline Besson, Lindsay M. Morton, Lindsey Enewold, Winnie Ricker, Elizabeth L. Yanik, Hannah Arem, April A. Austin, and Ruth M. Pfeiffer
- 1114** **Chronic Recreational Physical Inactivity and Epithelial Ovarian Cancer Risk: Evidence from the Ovarian Cancer Association Consortium**  
Rikki Cannioto, Michael J. LaMonte, Harvey A. Risch, Chi-Chen Hong, Lara E. Sucheston-Campbell, Kevin H. Eng, J. Brian Szender, Jenny Chang-Claude, Barbara Schmalfeldt, Ruediger Klapdor, Emily Gower, Albina N. Minlikeeva, Gary R. Zirpoli, Elisa V. Bandera, Andrew Berchuck, Daniel Cramer, Jennifer A. Doherty, Robert P. Edwards, Brooke L. Fridley, Ellen L. Goode, Marc T. Goodman, Estrid Hogdall, Satoyo Hosono, Allan Jensen; Susan Jordan, on behalf of The Australian Ovarian Cancer Study Group; Susanne K. Kjaer, Keitaro Matsuo, Roberta B. Ness, Catherine M. Olsen, Sara H. Olson, Celeste Leigh Pearce, Malcolm C. Pike, Mary Anne Rossing, Elizabeth A. Szamreta, Pamela J. Thompson, Chiu-Chen Tseng, Robert A. Vierkant, Penelope M. Webb, Nicolas Wentzensen, Kristine G. Wicklund, Stacey J. Winham, Anna H. Wu, Francesmary Modugno, Joellen M. Schildkraut, Kathryn L. Terry, Linda E. Kelemen, and Kirsten B. Moysich
- 1125** **A Randomized Controlled Trial of Progressively Reduced Nicotine Content Cigarettes on Smoking Behaviors, Biomarkers of Exposure, and Subjective Ratings**  
Melissa Mercincavage, Valentina Souprountchouk, Kathy Z. Tang, Rachel L. Dumont, E. Paul Wileyto, Steven G. Carmella, Stephen S. Hecht, and Andrew A. Strasser
- 1134** **A Composite Cytology–Histology Endpoint Allows a More Accurate Estimate of Anal High-Grade Squamous Intraepithelial Lesion Prevalence**  
Dorothy A. Machalek, I. Mary Poynten, Fengyi Jin, Richard J. Hillman, David J. Templeton, Carmella Law, Jennifer M. Roberts, Sepehr N. Tabrizi, Suzanne M. Garland, Annabelle Farnsworth, Christopher K. Fairley, and Andrew E. Grulich, on behalf of the SPANC study team
- 1144** **Inflammatory-Related Genetic Variants in Non–Muscle-Invasive Bladder Cancer Prognosis: A Multimarker Bayesian Assessment**  
Alexandra Masson-Lecomte, Evangelina López de Maturana, Michael E. Goddard, Antoni Picornell, Marta Rava, Anna González-Neira, Mirari Márquez, Alfredo Carrato, Adonina Tardon, Josep Lloreta, Montserrat Garcia-Closas, Debra Silverman, Nathaniel Rothman, Manolis Kogevinas, Yves Allory, Stephen J. Chanock, Francisco X. Real, and Núria Malats, on behalf of the SBC/EPICURO Study Investigators
- 1151** **Early Life Body Fatness, Serum Anti-Müllerian Hormone, and Breast Density in Young Adult Women**  
Kimberly A. Bertrand, Heather J. Baer, E. John Orav, Catherine Klifa, Ajay Kumar, Nola M. Hylton, Erin S. LeBlanc, Linda G. Snetelaar, Linda Van Horn, and Joanne F. Dorgan
- 1158** **Circulating Long RNAs in Serum Extracellular Vesicles: Their Characterization and Potential Application as Biomarkers for Diagnosis of Colorectal Cancer**  
Lei Dong, Wanrun Lin, Peng Qi, Mi-die Xu, Xiaoben Wu, Shujuan Ni, Dan Huang, Wei-wei Weng, Cong Tan, Weiqi Sheng, Xiaoyan Zhou, and Xiang Du
- 1167** **Elevated Expression of Human Papillomavirus-16/18 E6 Oncoprotein Associates with Persistence of Viral Infection: A 3-Year Prospective Study in China**  
Lu-Lu Yu, Le-Ni Kang, Fang-Hui Zhao, Xiao-Qin Lei, Yu Qin, Ze-Ni Wu, Hong Wang, Wen Chen, and You-Lin Qiao
- 1175** **Association between Glucuronidation Genotypes and Urinary NNAL Metabolic Phenotypes in Smokers**  
Gang Chen, Shaman Luo, Shannon Kozlovich, and Philip Lazarus

# Table of Contents

## SHORT COMMUNICATION

- 1185** Association of Common Susceptibility Variants of Pancreatic Cancer in Higher-Risk Patients: A PACGENE Study  
Erica J. Childs, Kari G. Chaffee, Steven Gallinger, Sapna Syngal, Ann G. Schwartz, Michele L. Cote, Melissa L. Bondy, Ralph H. Hruban, Stephen J. Chanock, Robert N. Hoover, Charles S. Fuchs, David N. Rider, Laufey T. Amundadottir, Rachael Stolzenberg-Solomon, Brian M. Wolpin, Harvey A. Risch, Michael G. Goggins, Gloria M. Petersen, and Alison P. Klein

## RETRACTION

- 1192** Retraction: Confounding of the Association between Radiation Exposure from CT Scans and Risk of Leukemia and Brain Tumors by Cancer Susceptibility Syndromes



AC icon indicates Author Choice

For more information please visit [www.aacrjournals.org](http://www.aacrjournals.org)

# Cancer Epidemiology, Biomarkers & Prevention

AACR American Association  
for Cancer Research

25 (7)

*Cancer Epidemiol Biomarkers Prev* 2016;25:1007-1192.

**Updated version** Access the most recent version of this article at:  
<http://cebp.aacrjournals.org/content/25/7>

**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/25/7>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.