

Highlights of This Issue 2199

CEBP FOCUS: CANCER IN ASIAN AND PACIFIC ISLANDER POPULATIONS

- 2202** **Cancer Research in Asian American, Native Hawaiian, and Pacific Islander Populations: Accelerating Cancer Knowledge by Acknowledging and Leveraging Heterogeneity**

Scarlett Lin Gomez, Sally L. Glaser, Pamela L. Horn-Ross, Iona Cheng, Thu Quach, Christina A. Clarke, Peggy Reynolds, Salma Shariff-Marco, Juan Yang, Marion M. Lee, William A. Satariano, and Ann W. Hsing

- 2206** **Cancer in Asian American and Pacific Islander Populations: Linking Research and Policy to Identify and Reduce Disparities**
- Tung Thanh Nguyen

- 2208** **Patient and Provider Characteristics Associated with Colorectal, Breast, and Cervical Cancer Screening among Asian Americans**

Caroline A. Thompson, Scarlett Lin Gomez, Albert Chan, John K. Chan, Sean R. McClellan, Sukyung Chung, Cliff Olson, Vani Nimbal, and Latha P. Palaniappan

- 2218** **Disaggregating Data on Asian American and Pacific Islander Women to Provide New Insights on Potential Exposures to Hazardous Air Pollutants in California**

Thu Quach, Ruiling Liu, David O. Nelson, Susan Hurley, Julie Von Behren, Andrew Hertz, and Peggy Reynolds

- 2229** **Chronic Hepatitis B and Liver Cancer Risks among Asian Immigrants in New York City: Results from a Large, Community-Based Screening, Evaluation, and Treatment Program**

Henry J. Pollack, Simona C. Kwon, Su H. Wang, Laura C. Wyatt, and Chau Trinh-Shevrin, on behalf of the AAHBP Coalition

- 2240** **1,3-Butadiene Exposure and Metabolism among Japanese American, Native Hawaiian, and White Smokers**

Sungshim Lani Park, Srikanth Kotapati, Lynne R. Wilkens, Maarit Tiirikainen, Sharon E. Murphy, Natalia Tretyakova, and Loïc Le Marchand

- 2250** **Lung Cancer Incidence Trends by Histology Type among Asian American, Native Hawaiian, and Pacific Islander Populations in the United States, 1990–2010**

Iona Cheng, Gem M. Le, Anne-Michelle Noone, Kathleen Gali, Manali Patel, Robert W. Haile, Heather A. Wakelee, and Scarlett L. Gomez

- 2266** **Disaggregated Data and Beyond: Future Queries in Cancer Control Research**

Anh Bao Nguyen, Neetu Chawla, Anne-Michelle Noone, and Shobha Srinivasan

REVIEWS

- 2273** **Implementation Science in Cancer Prevention and Control: A Framework for Research and Programs in Low- and Middle-Income Countries**

Sudha Sivaram, Michael A. Sanchez, Barbara K. Rimer, Jonathan M. Samet, and Russell E. Glasgow

- 2285** **HE4 Tissue Expression and Serum HE4 Levels in Healthy Individuals and Patients with Benign or Malignant Tumors: A Systematic Review**

Nikoline S. Karlsen, Mona A. Karlsen, Claus K. Høgdall, and Estrid V.S. Høgdall

CANCER SURVEILLANCE RESEARCH

- 2296** **A Web Tool for Age–Period–Cohort Analysis of Cancer Incidence and Mortality Rates**

Philip S. Rosenberg, David P. Check, and William F. Anderson

RESEARCH ARTICLES

- 2303** **The Heritability of Prostate Cancer in the Nordic Twin Study of Cancer**

Jacob B. Hjelmborg, Thomas Scheike, Klaus Holst, Axel Skytthe, Kathryn L. Penney, Rebecca E. Graff, Eero Pukkala, Kaare Christensen, Hans-Olov Adami, Niels V. Holm, Elizabeth Nuttall, Steinbjorn Hansen, Mikael Hartman, Kamila Czene, Jennifer R. Harris, Jaakko Kaprio, and Lorelei A. Mucci

Table of Contents

- 2311** **Racial Comparison of Receptor-Defined Breast Cancer in Southern African Women: Subtype Prevalence and Age-Incidence Analysis of Nationwide Cancer Registry Data**
Caroline Dickens, Raquel Duarte, Annelie Zietsman, Herbert Cubasch, Patricia Kellett, Joachim Schütz, Danuta Kielkowski, and Valerie McCormack
- 2322** **The Role of Genome Sequencing in Personalized Breast Cancer Prevention**
Weiva Sieh, Joseph H. Rothstein, Valerie McGuire, and Alice S. Whittemore
- 2328** **The Paracrine Hormone for the GUCY2C Tumor Suppressor, Guanylin, Is Universally Lost in Colorectal Cancer**
Chantell Wilson, Jieru E. Lin, Peng Li, Adam E. Snook, Jianping Gong, Takahiro Sato, Chengbao Liu, Melanie A. Gironde, Hallgeir Rui, Terry Hyslop, and Scott A. Waldman
- 2338** **Comparison of Mammographic Density Assessed as Volumes and Areas among Women Undergoing Diagnostic Image-Guided Breast Biopsy**
Gretchen L. Gierach, Berta M. Geller, John A. Shepherd, Deesha A. Patel, Pamela M. Vacek, Donald L. Weaver, Rachael E. Chicoine, Ruth M. Pfeiffer, Bo Fan, Amir Pasha Mahmoudzadeh, Jeff Wang, Jason M. Johnson, Sally D. Herschorn, Louise A. Brinton, and Mark E. Sherman
- 2349** **Serum Lipid Profile and Risk of Prostate Cancer Recurrence: Results from the SEARCH Database**
Emma H. Allott, Lauren E. Howard, Matthew R. Cooperberg, Christopher J. Kane, William J. Aronson, Martha K. Terris, Christopher L. Amling, and Stephen J. Freedland
- 2357** **Association of Leukocyte Mitochondrial DNA Copy Number with Colorectal Cancer Risk: Results from the Shanghai Women's Health Study**
Bo Huang, Yu-Tang Gao, Xiao-Ou Shu, Wanqing Wen, Gong Yang, Guoliang Li, Regina Courtney, Bu-Tian Ji, Hong-Lan Li, Mark P. Purdue, Wei Zheng, and Qiuyin Cai
- 2366** **National Trends and Disparities in Cervical Cancer Screening among Commercially Insured Women, 2001–2010**
J. Frank Wharam, Fang Zhang, Xin Xu, Bruce E. Landon, and Dennis Ross-Degnan
- 2374** **Sex Steroid Hormone Metabolism in Relation to Risk of Aggressive Prostate Cancer**
Amanda Black, Paul F. Pinsky, Robert L. Grubb III, Roni T. Falk, Ann W. Hsing, Lisa Chu, Tamra Meyer, Timothy D. Veenstra, Xia Xu, Kai Yu, Regina G. Ziegler, Louise A. Brinton, Robert N. Hoover, and Michael B. Cook
- 2383** **Dietary Inflammatory Index and Risk of Colorectal Cancer in the Iowa Women's Health Study**
Nitin Shivappa, Anna E. Prizment, Cindy K. Blair, David R. Jacobs Jr, Susan E. Steck, and James R. Hébert
- 2393** **Inflammation and Oxidative Stress Markers and Esophageal Adenocarcinoma Incidence in a Barrett's Esophagus Cohort**
Sheetal Hardikar, Lynn Onstad, Xiaoling Song, Angela M. Wilson, Thomas J. Montine, Mario Kratz, Garnet L. Anderson, Patricia L. Blount, Brian J. Reid, Emily White, and Thomas L. Vaughan
- 2404** **Racial Differences in Adipose Tissue Distribution and Risk of Aggressive Prostate Cancer among Men Undergoing Radiotherapy**
Emma H. Allott, Lauren E. Howard, Hai-Jun Song, Katharine N. Sourbeer, Bridget F. Koontz, Joseph K. Salama, and Stephen J. Freedland
- 2413** **Colonic Mucosal Fatty Acid Synthase as an Early Biomarker for Colorectal Neoplasia: Modulation by Obesity and Gender**
Mart Dela Cruz, Ramesh K. Wali, Laura K. Bianchi, Andrew J. Radosevich, Susan E. Crawford, Lisa Jepeal, Michael J. Goldberg, Jaclyn Weinstein, Navneet Momi, Priya Roy, Audrey H. Calderwood, Vadim Backman, and Hemant K. Roy
- 2422** **A Prospective Cohort Study of Body Size and Risk of Head and Neck Cancers in the NIH-AARP Diet and Health Study**
Arash Etemadi, Mark G. O'Doherty, Neal D. Freedman, Albert R. Hollenbeck, Sanford M. Dawsey, and Christian C. Abnet
- 2430** **Circulating Mitochondrial DNA Level, a Noninvasive Biomarker for the Early Detection of Gastric Cancer**
Julien Fernandes, Valérie Michel, Margarita Camorlinga-Ponce, Alejandro Gomez, Carmen Maldonado, Hilde De Reuse, Javier Torres, and Eliette Touati

Table of Contents

- 2439** **Shorter Leukocyte Telomere Length Is Independently Associated with Poor Survival in Patients with Bladder Cancer**
Alessia Russo, Federica Modica, Simonetta Guarrera, Giovanni Fiorito, Barbara Pardini, Clara Viberti, Alessandra Allione, Rossana Critelli, Andrea Bosio, Giovanni Casetta, Giuseppina Cucchiarale, Paolo Destefanis, Paolo Gontero, Luigi Rolle, Andrea Zitella, Dario Fontana, Bruno Frea, Paolo Vineis, Carlotta Sacerdote, and Giuseppe Matullo
- 2447** **Leukocyte Telomere Length in Relation to Pancreatic Cancer Risk: A Prospective Study**
Daniele Campa, Björn Mergarten, Immacolata De Vivo, Marie-Christine Boutron-Ruault, Antoine Racine, Gianluca Severi, Alexandra Nieters, Verena A. Katzke, Antonia Trichopoulou, Nikos Yiannakouris, Dimitrios Trichopoulos, Heiner Boeing, J. Ramón Quirós, Eric J. Duell, Esther Molina-Montes, José María Huerta, Eva Ardanaz, Miren Dorronsoro, Kay-Tee Khaw, Nicholas Wareham, Ruth C. Travis, Domenico Palli, Valeria Pala, Rosario Tumino, Alessio Naccarati, Salvatore Panico, Paolo Vineis, Elio Riboli, Afshan Siddiq, H.B. Bueno-de-Mesquita, Petra H. Peeters, Peter M. Nilsson, Malin Sund, Weimin Ye, Eiliv Lund, Mie Jareid, Elisabete Weiderpass, Talita Duarte-Salles, So Yeon Kong, Magdalena Stepien, Federico Canzian, and Rudolf Kaaks
- 2455** **HPV Seroconversion Following Anal and Penile HPV Infection in HIV-Negative and HIV-Infected MSM**
Sofie H. Mooij, Olivia Landén, Fiona R.M. van der Klis, Marianne A.B. van der Sande, Hester E. de Melker, Maria Xiridou, Arne van Eeden, Titia Heijman, Arjen G.C.L. Speksnijder, Peter J.F. Snijders, and Maarten F. Schim van der Loeff
- 2462** **The Cytokinesis-Blocked Micronucleus Assay as a Strong Predictor of Lung Cancer: Extension of a Lung Cancer Risk Prediction Model**
Randa A. El-Zein, Mirtha S. Lopez, Anthony M. D'Amelio Jr, Mei Liu, Reginald F. Munden, David Christiani, Li Su, Paula Tejera-Alveraz, Rihong Zhai, Margaret R. Spitz, and Carol J. Etzel
- 2471** **Downregulation of microRNAs 145-3p and 145-5p Is a Long-term Predictor of Postmenopausal Breast Cancer Risk: The ORDET Prospective Study**
Paola Muti, Andrea Sacconi, Ahmed Hossain, Sara Donzelli, Noa Bossel Ben Moshe, Federica Ganci, Sabina Sieri, Vittorio Krogh, Franco Berrino, Francesca Biagioni, Sabrina Strano, Joseph Beyene, Yosef Yarden, and Giovanni Blandino
- 2482** **Variation in Mutation Spectrum Partly Explains Regional Differences in the Breast Cancer Risk of Female BRCA Mutation Carriers in the Netherlands**
Janet R. Vos, Natalia Teixeira, Dorina M. van der Kolk, Marian J.E. Mourits, Matti A. Rookus, Flora E. van Leeuwen, Margriet Collée, Christi J. van Asperen, Arjen R. Mensenkamp, Margreet G.E.M. Ausems, Theo A.M. van Os, Hanne E.J. Meijers-Heijboer, Encarna B. Gómez-García, Hans F. Vasen, Richard M. Brohet, on behalf of the Hereditary Breast and Ovarian Cancer Research Group Netherlands; Annemarie H. van der Hout, Liesbeth Jansen, Jan C. Oosterwijk, and Geertruida H. de Bock
- 2492** **Reproductive and Hormonal Risk Factors for Antinuclear Antibodies (ANA) in a Representative Sample of U.S. Women**
Christine G. Parks, Frederick W. Miller, Minoru Satoh, Edward K.L. Chan, Zhanna Andrushchenko, Linda S. Birnbaum, Todd A. Jusko, Grace E. Kissling, Mehul D. Patel, Kathryn M. Rose, Clarice Weinberg, Darryl C. Zeldin, and Dale P. Sandler
- 2503** **Polymorphisms in MicroRNAs Are Associated with Survival in Non-Small Cell Lung Cancer**
Yang Zhao, Qingyi Wei, Lingming Hu, Feng Chen, Zhibin Hu, Rebecca S. Heist, Li Su, Christopher I. Amos, Hongbing Shen, and David C. Christiani
- 2512** **The Cancer Prevention and Control Research Network: An Interactive Systems Approach to Advancing Cancer Control Implementation Research and Practice**
María E. Fernández, Cathy L. Melvin, Jennifer Leeman, Kurt M. Ribisl, Jennifer D. Allen, Michelle C. Kegler, Roshan Bastani, Marcia G. Ory, Betsy C. Risendal, Peggy A. Hannon, Matthew W. Kreuter, and James R. Hebert

Table of Contents

- 2522 A Prospective Study of Physical Activity and Breast Cancer Incidence in African-American Women**
Lynn Rosenberg, Julie R. Palmer, Traci N. Bethea, Yulun Ban, Kristen Kipping-Ruane, and Lucile L. Adams-Campbell
- 2532 Prolactin Determinants in Healthy Women: A Large Cross-Sectional Study within the EPIC Cohort**
Kaja Tikk, Disorn Sookthai, Theron Johnson, Laure Dossus, Françoise Clavel-Chapelon, Anne Tjønneland, Anja Olsen, Kim Overvad, Laura Baglietto, Sabina Rinaldi, Isabelle Romieu, Heiner Boeing, Antonia Trichopoulou, Pagona Lagiou, Dimitrios Trichopoulos, Giovanna Masala, Claudia Agnoli, Rosario Tumino, Carlotta Sacerdote, Amalia Mattiello, Genevieve Buckland, Soledad Sánchez, Esther Molina-Montes, Pilar Amiano, José María Huerta Castaño, Aurelio Barricarte, H. Bas Bueno-de-Mesquita, Evelyn M. Monninkhof, N. Charlotte Onland-Moret, Annika Idahl, Eva Lundin, Elisabete Weiderpass, Eiliv Lund, Marit Waaseth, Kay-Tee Khaw, Timothy J. Key, Ruth C. Travis, Marc J. Gunter, Elio Riboli, and Rudolf Kaaks
- 2543 Development and Validation of a Risk Score Predicting Risk of Colorectal Cancer**
Annika Steffen, Robert J. MacInnis, Grace Joshy, Graham G. Giles, Emily Banks, and David Roder
- 2553 Improved Stool DNA Integrity Method for Early Colorectal Cancer Diagnosis**
Claudia Rengucci, Giulia De Maio, Maura Menghi, Emanuela Scarpì, Simona Guglielmo, Pietro Fusaroli, Giancarlo Caletti, Luca Saragoni, Andrea Casadei Gardini, Wainer Zoli, Fabio Falcini, Dino Amadori, and Daniele Calistri
- 2561 A Peripheral Circulating T_H1 Cytokine Profile Is Inversely Associated with Prostate Cancer Risk in CLUE II**
Nrupen A. Bhavsar, Jay H. Bream, Alan K. Meeker, Charles G. Drake, Sarah B. Peskoe, Djeneba Dabिताo, Angelo M. De Marzo, William B. Isaacs, and Elizabeth A. Platz
- 2568 Association of Cancer Susceptibility Variants with Risk of Multiple Primary Cancers: The Population Architecture using Genomics and Epidemiology Study**
S. Lani Park, Christian P. Caberto, Yi Lin, Robert J. Goodloe, Logan Dumitrescu, Shelly-Ann Love, Tara C. Matise, Lucia A. Hindorff, Jay H. Fowke, Fredrick R. Schumacher, Jennifer Beebe-Dimmer, Chu Chen, Lifang Hou, Fridtjof Thomas, Ewa Deelman, Ying Han, Ulrike Peters, Kari E. North, Gerardo Heiss, Dana C. Crawford, Christopher A. Haiman, Lynne R. Wilkens, William S. Bush, Charles Kooperberg, Iona Cheng, and Loïc Le Marchand
- 2579 Smoking at Diagnosis Is an Independent Prognostic Factor for Cancer-Specific Survival in Head and Neck Cancer: Findings from a Large, Population-Based Study**
Linda Sharp, Joseph McDevitt, Anne-Elie Carsin, Christopher Brown, and Harry Comber

SHORT COMMUNICATIONS

- 2591 Prospective Study of Seroreactivity to JC Virus T-Antigen and Risk of Colorectal Cancers and Adenomas**
Shalaka S. Hampras, Raphael P. Viscidi, Kathy J. Helzlsouer, Ji-Hyun Lee, William J. Fulp, Anna R. Giuliano, Elizabeth A. Platz, and Dana E. Rollison
- 2597 Prediagnostic Circulating Anti-Müllerian Hormone Concentrations Are Not Associated with Prostate Cancer Risk**
Martha M. Sklavos, Cindy Ke Zhou, Ligia A. Pinto, and Michael B. Cook

NULL RESULTS IN BRIEF

- 2603 Telomere Length and Mortality Following a Diagnosis of Ovarian Cancer**
Joanne Kotsopoulos, Jennifer Prescott, Immaculata De Vivo, Isabel Fan, John McLaughlin, Barry Rosen, Harvey Risch, Ping Sun, and Steven A. Narod

LETTERS TO THE EDITOR

- 2607 Cancer Death and Antihypertensive Drug Treatment—Letter**
Mark R. Goldstein and Luca Mascitelli

Table of Contents

2608 Cancer Death and Antihypertensive Drug Treatment—Response

Joel N. Swerdel and John B. Kostis

2609 Temporal Trends in Thyroid Cancer Incidence in California—Letter

Anna M. Sawka, Patrick E. Brown, and Shereen Ezzat

2610 The Cancer Genomics and Epidemiology Navigator: An NCI Online Tool to Enhance Cancer Epidemiology Research

Sheri D. Schully, Scott D. Rogers, Tram Kim Lam, Christine Q. Chang, Mindy Clyne, Jean Cyr, Daniel Watson, and Muin J. Khoury

2612 Accelerometer Determined Lifestyle Behaviors Over Time—Letter

Bernardine M. Pinto, Wendy Demark-Wahnefried, Julia H. Rowland, and Noreen M. Aziz

ASPO REPORT

2613 Challenges and Opportunities in International Molecular Cancer Prevention Research: An ASPO Molecular Epidemiology and the Environment and International Cancer Prevention Interest Groups Report

Meira Epplein, Robert M. Bostick, Lina Mu, Shuji Ogino, Dejana Braithwaite, and Peter A. Kanetsky

 AC icon indicates Author Choice

For more information please visit www.aacrjournals.org

BLOOD CANCER DISCOVERY

23 (11)

Cancer Epidemiol Biomarkers Prev 2014;23:2199-2617.

Updated version Access the most recent version of this article at:
<http://cebp.aacrjournals.org/content/23/11>

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.

Permissions To request permission to re-use all or part of this article, use this link
<http://cebp.aacrjournals.org/content/23/11>.
Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.