

CANCER EPIDEMIOLOGY,
BIOMARKERS & PREVENTION

TABLE OF CONTENTS

HIGHLIGHTS

1697 **Selected Articles from This Issue**

RESEARCH ARTICLES

1699 **Utilizing SEER Cancer Registries for Population-Based Cancer Survivor Epidemiologic Studies: A Feasibility Study**

Lisa Gallicchio, Joanne W. Elena, Sarah Fagan, Marjorie Carter, Ann S. Hamilton, Theresa A. Hastert, Lisa L. Hunter, Jie Li, Charles F. Lynch, Joel Milam, Morgan M. Millar, Denise Modjeski, Lisa E. Paddock, Amanda R. Reed, Lisa B. Moses, Antoinette M. Stroup, Carol Sweeney, Edward J. Trapido, Michele M. West, Xiao-Cheng Wu, and Kathy J. Helzlsouer

1710 **Integrative Systems Praxis for Implementation Research (INSPIRE): An Implementation Methodology to Facilitate the Global Elimination of Cervical Cancer**

Patti E. Gravitt, Anne F. Rositch, Magdalena Jurczuk, Graciela Meza, Lita Carillo, Jose Jeronimo, Prajakta Adsul, Laura Nervi, Margaret Kosek, J. Kathleen Tracy, and Valerie A. Paz-Soldan; for the Proyecto PreCancer Study Group

1720 **A Complex Systems Model of Breast Cancer Etiology: The Paradigm II Conceptual Model**

Robert A. Hiatt, Natalie J. Engmann, Kaya Balke, and David H. Rehkopf; for the Paradigm II Multidisciplinary Panel

1731

A Genetic Risk Score to Personalize Prostate Cancer Screening, Applied to Population Data

Minh-Phuong Huynh-Le, Chun Chieh Fan, Roshan Karunamuni, Eleanor I. Walsh, Emma L. Turner, J. Athene Lane, Richard M. Martin, David E. Neal, Jenny L. Donovan, Freddie C. Hamdy, J. Kelloff Parsons, Rosalind A. Eeles, Douglas F. Easton, Zsofia Kote-Jarai, Ali Amin Al Olama, Sara Benlloch Garcia, Kenneth Muir, Henrik Grönberg, Fredrik Wiklund, Markus Aly, Johanna Schleutker, Csilla Sipeky, Teuvo LJ Tammela, Børge Grønne Nordestgaard, Timothy J. Key, Ruth C. Travis, Paul D.P. Pharoah, Nora Pashayan, Kay-Tee Khaw, Stephen N. Thibodeau, Shannon K. McDonnell, Daniel J. Schaid, Christiane Maier, Walther Vogel, Manuel Luedeke, Kathleen Herkommer, Adam S. Kibel, Cezary Cybulski, Dominika Wokolorczyk, Wojciech Kluzniak, Lisa A. Cannon-Albright, Hermann Brenner, Ben Schöttker, Bernd Holleczeck, Jong Y. Park, Thomas A. Sellers, Hui-Yi Lin, Chavdar Kroumov Slavov, Radka P. Kaneva, Vanio I. Mitev, Jyotsna Batra, Judith A. Clements, and Amanda B. Spurdle; for the Australian Prostate Cancer BioResource (APCB), Manuel R. Teixeira, Paula Paulo, Sofia Maia, Hardev Pandha, Agnieszka Michael, Ian G. Mills, Ole A. Andreassen, Anders M. Dale, and Tyler M. Seibert; for the PRACTICAL Consortium

1739

Dietary and Circulating Fatty Acids and Ovarian Cancer Risk in the European Prospective Investigation into Cancer and Nutrition

Sahar Yammine, Inge Huybrechts, Carine Biessy, Laure Dossus, Elom K. Aglago, Sabine Naudin, Pietro Ferrari, Elisabete Weiderpass, Anne Tjønneland, Louise Hansen, Kim Overvad, Francesca R. Mancini, Marie-Christine Boutron-Ruault, Marina Kvaskoff, Renée T. Fortner, Rudolf Kaaks, Matthias B. Schulze, Heiner Boeing, Antonia Trichopoulou, Anna Karakatsani, Carlo La Vecchia, Vassiliki Benetou, Giovanna Masala, Vittorio Krogh, Amalia Mattiello, Alessandra Macciotta, Inger T. Gram, Guri Skeie, Jose R. Quirós, Antonio Agudo, Maria-José Sánchez, Maria-Dolores Chirlaque, Eva Ardanaz, Leire Gil, Hanna Sartor, Isabel Drake, Annika Idahl, Eva Lundin, Dagfinn Aune, Heather Ward, Melissa A. Merritt, Naomi E. Allen, Marc J. Gunter, and Véronique Chajès

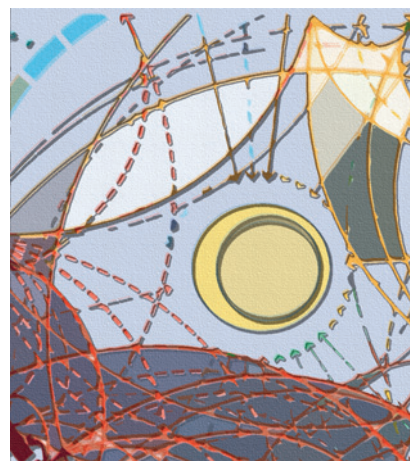
TABLE OF CONTENTS

- 1750** **Body Composition, Metabolic Health, and Functional Impairment among Adults Treated for Abdominal and Pelvic Tumors during Childhood**
Carmen L. Wilson, Wei Liu, Wassim Chemaitilly, Carrie R. Howell, Deo Kumar Srivastava, Rebecca M. Howell, Melissa M. Hudson, Leslie L. Robison, and Kirsten K. Ness
- 1759** **Cognitive Impairment in Patients with Breast Cancer before Surgery: Results from a CANTO Cohort Subgroup**
Marie Lange, Isabelle Hardy-Léger, Ildir Licaj, Barbara Pistilli, Olivier Rigal, Johan Le Fel, Christelle Lévy, Aurélie Capel, Charles Coutant, Jonathan Meyer, Florence Lerebours, Jean Petrucci, Laurence Vanlemmens, Marine Brion, Mario Campone, Patrick Soulié, Maxime Blain, Ines Vaz-Luis, Bénédicte Giffard, Anne-Laure Martin, Sibille Everhard, Fabrice André, Sarah Dauchy, and Florence Joly
- 1767** **Characteristics and Outcomes for Secondary Breast Cancer in Childhood, Adolescent, and Young Adult Cancer Survivors Treated with Radiation**
Candice A.M. Sauder, Qian Li, Alisha Othieno, Daisy Cruz, Mili Arora, Richard J. Bold, Fredrick J. Meyers, and Theresa H.M. Keegan
- 1775** **A Prospective Analysis of Intake of Red and Processed Meat in Relation to Pancreatic Cancer among African American Women**
Jessica L. Petrick, Nelsy Castro-Webb, Hanna Gerlovin, Traci N. Bethea, Shanshan Li, Edward A. Ruiz-Narváez, Lynn Rosenberg, and Julie R. Palmer
- 1784** **Genome-Wide Gene-Diabetes and Gene-Obesity Interaction Scan in 8,255 Cases and 11,900 Controls from PanScan and PanC4 Consortia**
Hongwei Tang, Lai Jiang, Rachael Z. Stolzenberg-Solomon, Alan A. Arslan, Laura E. Beane Freeman, Paige M. Bracci, Paul Brennan, Federico Canzian, Mengmeng Du, Steven Gallinger, Graham G. Giles, Phyllis J. Goodman, Charles Kooperberg, Loïc Le Marchand, Rachel E. Neale, Xiao-Ou Shu, Kala Visvanathan, Emily White, Wei Zheng, Demetrius Albanes, Gabriella Andreotti, Ana Babic, William R. Bamlet, Sonja I. Berndt, Amanda Blackford, Bas Bueno-de-Mesquita, Julie E. Buring, Daniele Campa, Stephen J. Chanock, Erica Childs, Eric J. Duell, Charles Fuchs, J. Michael Gaziano, Michael Goggins, Patricia Hartge, Manal H. Hassam, Elizabeth A. Holly, Robert N. Hoover, Rayjean J. Hung, Robert C. Kurtz, I.-Min Lee, Núria Malats, Roger L. Milne, Kimmie Ng, Ann L. Oberg, Irene Orlow, Ulrike Peters, Miquel Porta, Kari G. Rabe, Nathaniel Rothman, Ghislaine Scelo, Howard D. Sesso, Debra T. Silverman, Ian M. Thompson Jr, Anne Tjønneland, Antonia Trichopoulou, Jean Wactawski-Wende, Nicolas Wentzensen, Lynne R. Wilkens, Herbert Yu, Anne Zeleniuch-Jacquotte, Laufey T. Amundadottir, Eric J. Jacobs, Gloria M. Petersen, Brian M. Wolpin, Harvey A. Risch, Nilanjan Chatterjee, Alison P. Klein, Donghui Li, Peter Kraft, and Peng Wei
- 1792** **The Association of *MUC16* Mutation with Tumor Mutation Burden and Its Prognostic Implications in Cutaneous Melanoma**
Xuefeng Wang, Xiaoqing Yu, Michael Krauthammer, Willy Hugo, Chunzhe Duan, Peter A. Kanetsky, Jamie K. Teer, Zachary J. Thompson, Denise Kalos, Kenneth Y. Tsai, Keiran S.M. Smalley, Vernon K. Sondak, Y. Ann Chen, and Jose R. Conejo-Garcia
- 1800** **Exploratory Genome-Wide Interaction Analysis of Nonsteroidal Anti-inflammatory Drugs and Predicted Gene Expression on Colorectal Cancer Risk**
Xiaoliang Wang, Yu-Ru Su, Paneen S. Petersen, Stephanie Bien, Stephanie L. Schmit, David A. Drew, Demetrius Albanes, Sonja I. Berndt, Hermann Brenner, Peter T. Campbell, Graham Casey, Jenny Chang-Claude, Steven J. Gallinger, Stephen B. Gruber, Robert W. Haile, Tabitha A. Harrison, Michael Hoffmeister, Eric J. Jacobs, Mark A. Jenkins, Amit D. Joshi, Li Li, Yi Lin, Noralane M. Lindor, Loïc Le Marchand, Vicente Martin, Roger Milne, Robert MacInnis, Victor Moreno, Hongmei Nan, Polly A. Newcomb, John D. Potter, Gad Rennert, Hedy Rennert, Martha L. Slattery, Steve N. Thibodeau, Stephanie J. Weinstein, Michael O. Woods, Andrew T. Chan, Emily White, Li Hsu, and Ulrike Peters
- 1809** **Chondroitin Sulphate and Glucosamine Use Depend on Nonsteroidal Anti-inflammatory Drug Use to Modify the Risk for Colorectal Cancer**
Gemma Ibáñez-Sanz, Elisabet Guinó, Rosa Morros, María Ángeles Quijada-Manuitt, Luisa Carmen de la Peña-Negro, and Victor Moreno
- 1817** **Telomere Maintenance Variants and Survival after Colorectal Cancer: Smoking- and Sex-Specific Associations**
Hang Yin, Sheetal Hardikar, Sara Lindstroem, Li Hsu, Kristin E. Anderson, Barbara L. Banbury, Sonja I. Berndt, Andrew T. Chan, Edward L. Giovannucci, Tabitha A. Harrison, Amit D. Joshi, Hongmei Nan, John D. Potter, Lori C. Sakoda, Martha L. Slattery, Robert E. Schoen, Emily White, Ulrike Peters, and Polly A. Newcomb
- 1825** **Quantifying the Number of Cancer Deaths Avoided Due to Improvements in Cancer Survival since the 1980s in the Australian Population, 1985–2014**
Paramita Dasgupta, Susanna M. Cramb, Kou Kou, Xue Qin Yu, and Peter D. Baade
- NULL RESULTS IN BRIEF**
- 1832** **Association of Sex Hormones with Risk of Cancers of the Pancreas, Kidney, and Brain in the UK Biobank Cohort Study**
Rita Peila, Rhonda S. Arthur, and Thomas E. Rohan
- ASPO REPORT**
- 1837** **Why Aren't Sexual Orientation and Gender Identity Being Measured and What Role Do Cancer Researchers Play?**
Megan A. Mullins, Phoenix A. Matthews, Jesse J. Plascak, Theresa A. Hastert, Linda K. Ko, Marquita S. Gray, and Yamilé Molina

TABLE OF CONTENTS

ABOUT THE COVER

The cover image is adapted from Figure 1 in the article, “A Complex Systems Model of Breast Cancer Etiology: The Paradigm II Conceptual Model,” by Hiatt and colleagues. The figure illustrates a conceptual model of the etiology of breast cancer. The figure depicts factors in four domains: social, physical, biological, and behavioral. In order to address this limitation of prior models, the authors developed the Paradigm Model, which may be the first conceptual framework of postmenopausal breast cancer incidence taking a complex systems, population-level approach. This framework complemented clinical risk prediction models through an enhanced conceptual understanding of how physical, behavioral, and social factors “get under the skin” to cause biological processes that result in breast cancer. The Paradigm II Model illustrates known etiologic factors in breast cancer as well as gaps in knowledge and areas where better quality data are needed. For more information, see the article beginning on page 1720.



BLOOD CANCER DISCOVERY

29 (9)

Cancer Epidemiol Biomarkers Prev 2020;29:1697-1839.

Updated version Access the most recent version of this article at:
<http://cebp.aacrjournals.org/content/29/9>

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/29/9>.
Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.