# HIGHLIGHTS

2105  Selected Articles from This Issue

# COMMENTARY

2107  A Renewed Focus on Health Disparities in the Year 2020: Reexamining Geospatial Disparities
  Grant R. Williams
  See related article, p. 2119

# REVIEW

2109  Circulating Levels of Inflammatory and Metabolic Biomarkers and Risk of Esophageal Adenocarcinoma and Barrett Esophagus: Systematic Review and Meta-analysis
  Shao-Hua Xie, Sirus Rabbani, Eivind Ness-Jensen, and Jesper Lagergren

# RESEARCH ARTICLES

2119  Residential Mobility and Geospatial Disparities in Colon Cancer Survival
  See related commentary, p. 2107

2126  Risk of Persistent Opioid Use following Major Surgery in Matched Samples of Patients with and without Cancer
  Mary Falcone, Chongliang Luo, Yong Chen, David Birtwell, Martin Cheatle, Rui Duan, Peter E. Gabriel, Lifang He, Emily M. Ko, Heinz-Josef Lenz, Nebojsa Mirkovic, Danielle L. Mowery, E. Andrew Ochroch, E. Carter Paulson, Emily Schriver, Robert A. Schnoll, Justin E. Bekelman, and Caryn Lerman

2134  Health Insurance Coverage Disruptions and Access to Care and Affordability among Cancer Survivors in the United States
  Jingxuan Zhao, Xuesong Han, Leticia Nogueira, Zhiyuan Zheng, Ahmedin Jamal, and K. Robin Yabroff

2141  Racial and Ethnic Differences in Sarcoma Incidence Are Independent of Census-tract Socioeconomic Status
  Brandon J. Diessner, Brenda J. Weigel, Paari Murugan, Lin Zhang, Jenny N. Poynter, and Logan G. Spector

2149  Effectiveness of Population-based Service Screening with Mammography for Women Aged 70-74 Years in Sweden
  Zheng Mao, Lennarth Nyström, and Håkan Jonsson

2157  Effect of a Prostate Cancer Screening Decision Aid for African-American Men in Primary Care Settings
  Jennifer D. Allen, Christopher P. Filson, and Donna L. Berry

2165  Asian Race and Risk of Prostate Cancer: Results from the REDUCE Study
  Adriana C. Vidal, Taofik Oyekunle, Tom Feng, Alexis R. Freedland, Daniel Moreira, Ramiro Castro-Santamaria, Gerald L. Andrelo, Stephen J. Freedland, and Emma H. Allott

2171  Increased Cancer Risk in Families with Pediatric Cancer Is Associated with Gender, Age, Diagnosis, and Degree of Relation to the Child
  Karl-Johan Stjernfelt, Kristoffer von Stedingk, Thomas Wiebe, Lars Hjorth, Ulf Kristoffersson, Marie Stenmark-Askmalm, Håkan Olsson, and Ingrid Øra

2180  Genetics of Smoking Behaviors in American Indians
  Jeffrey A. Henderson, Dedra S. Buchwald, Barbara V. Howard, Patricia Nnez Henderson, Yafang Li, Rachel F. Tyndale, Christopher J. Amos, and Olga Y. Gorlova; for the Collaborative to Improve Native Cancer Outcomes (CINCO), a P50 Center for Population Health and Health Disparities program project sponsored by the National Cancer Institute

2187  Early-Life Cardiorespiratory Fitness and Long-term Risk of Prostate Cancer
  Casey Crump, Par Stattin, James D. Brooks, Tanja Stocks, Jan Sundquist, Weiva Sieh, and Kristina Sundquist
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>2195</td>
<td>Disparities in the Occurrence of Late Effects following Treatment among Adolescent and Young Adult Melanoma Survivors</td>
<td>Alicia A. Gingrich, Candice A.M. Sauder, Melanie Goldfarb, Qian Li, Ted Wun, and Theresa H.M. Keegan</td>
</tr>
<tr>
<td>2211</td>
<td>Estrogen Receptor-β Expression of Ovarian Tumors and Its Association with Ovarian Cancer Risk Factors</td>
<td>Amy L. Shafrir, Ana Babic, Margaret Gates Kuliszewski, Megan S. Rice, Mary K. Townsend, Jonathan L. Hecht, and Shelley S. Tworoger</td>
</tr>
<tr>
<td>2230</td>
<td>Risk of Injuries around Diagnosis of Cervical Cancer and Its Precursor Lesions: A Nationwide Cohort Study in Sweden</td>
<td>Qing Shen, Donghao Lu, Bengt Andrae, Maria E.C. Schelin, Arvid Siölander, Yang Cao, Pär Sparén, and Fang Fang</td>
</tr>
<tr>
<td>2235</td>
<td>Development of Helicobacter pylori Whole-Proteome Arrays and Identification of Serologic Biomarkers for Noncardia Gastric Cancer in the MCC-Spain Study</td>
<td>Rima Jeske, Dennis Reininger, Busra Turgu, Amber Brauer, Christoph Harmel, Nerca Fernández de Larrea-Baz, Vicente Martín, Victor Moreno, Manolis Kogevinas, Marina Pollán, Jörg D. Hoheisel, Tim Waterboer, Julia Butt, Nuria Aragonés, and Katrin Hufnagel</td>
</tr>
<tr>
<td>2243</td>
<td>Changes in HPV Seroprevalence from an Unvaccinated toward a Girls-Only Vaccinated Population in the Netherlands</td>
<td>Hella Pasmans, Joske Hoes, Liza Tymchenko, Hester E. de Melker, and Fiona R.M. van der Klis</td>
</tr>
<tr>
<td>2255</td>
<td>Humoral Response to HPV16 Proteins in Persons with Anal High-Grade Squamous Intraepithelial Lesion or Anal Cancer</td>
<td>Helen C. Stankiewicz Karita, Tim Waterboer, Amalia Magaret, David R. Doody, Michael Pawlita, Nicole Brenner, Denise A. Galloway, Anna Wald, and Margaret M. Madeleine</td>
</tr>
<tr>
<td>2277</td>
<td>Obesity Has a Stronger Relationship with Colorectal Cancer in Postmenopausal Women than Premenopausal Women</td>
<td>Ji Won Chang, Dong Wook Shin, Kyung Do Han, Keun Hye Jeon, Jung Eun Yoo, In Young Cho, Yun Jin Choi, and Jung Yong Hong</td>
</tr>
<tr>
<td>2289</td>
<td>Association of Body Mass Index with Fecal Microbial Diversity and Metabolites in the Northern Finland Birth Cohort</td>
<td>Eriikka Loffeld, Karl-Heinz Herzig, J. Gregory Caporaso, Andriy Derkach, Yunhu Wan, Doratha A. Byrd, Emily Vogtmann, Minna Männikkö, Ville Karhunen, Rob Knight, Marc J. Gunter, Marjo-Riitta Järvelin, and Rashmi Sinha</td>
</tr>
<tr>
<td>2300</td>
<td>Associations of Novel Dietary and Lifestyle Inflammation Scores with Incident, Sporadic Colorectal Adenoma</td>
<td>Doratha A. Byrd, Suzanne Judd, W. Dana Flanders, Terryl J. Hartman, Veronika Fedirko, and Roberd M. Bostick</td>
</tr>
<tr>
<td>2309</td>
<td>Dairy Consumption and Risks of Colorectal Cancer Incidence and Mortality: A Meta-analysis of Prospective Cohort Studies</td>
<td>Shaoyue Jin, Youngyo Kim, and Youjin Je</td>
</tr>
<tr>
<td>2323</td>
<td>Prediagnostic Circulating Concentrations of Vitamin D Binding Protein and Survival among Patients with Colorectal Cancer</td>
<td>Chen Yuan, Mingyang Song, Yin Zhang, Brian M. Wolpin, Jeffrey A. Meyerhardt, Shuji Ogino, Bruce W. Hollis, Andrew T. Chan, Charles S. Fuchs, Kana Wu, Molin Wang, Stephanie A. Smith-Warner, Edward L. Giovannucci, and Kimmie Ng</td>
</tr>
<tr>
<td>2332</td>
<td>Circulating Insulin-Like Growth Factor-1 and Risk of Total and 19 Site-Specific Cancers: Cohort Study Analyses from the UK Biobank</td>
<td>Frank Qian and Dezhuang Huo</td>
</tr>
</tbody>
</table>
TABLE OF CONTENTS

2343  Diet and Risk of Myeloproliferative Neoplasms in Older Individuals from the NIH-AARP Cohort
      Nikolai A. Podoltsev, Xiaoyi Wang, Rong Wang, Jonathan N. Hofmann, Linda M. Liao, Amer M. Zeidan, Ruben A. Mesa, and Xiaomei Ma

2351  Long-term Outcomes for Extraskeletal Myxoid Chondrosarcoma: A SEER Database Analysis
      Michael J. Wagner, Bonny Chau, Elizabeth T. Loggers, Seth M. Pollack, Teresa S. Kim, Edward Y. Kim, Matthew J. Thompson, Jared L. Harwood, and Lee D. Cranmer

2358  Automated Quantitative Measures of Terminal Duct Lobular Unit Involution and Breast Cancer Risk

2369  Heritable Susceptibility to Breast Cancer among African-American Women in the Detroit Research on Cancer Survivors Study
      Kristen S. Purrington, Sreejata Raychaudhuri, Michael S. Simon, Julie Clark, Valerie Ratliff, Gregory Dyson, Douglas B. Craig, Julie L. Boerner, Jennifer L. Beebe-Dimmer, and Ann G. Schwartz

2376  Angiotensin Receptor Blockers Associated with Improved Breast Cancer Survival—A Nationwide Cohort Study from Finland
      Eerik E.E. Santala, Mika O. Murto, Miia Artama, Eero Pukkala, Kala Visvanathan, and Teemu J. Murtola

2383  Coffee Consumption and Invasive Breast Cancer Incidence among Postmenopausal Women in the Cancer Prevention Study-II Nutrition Cohort
      Susan M. Gapstur, Mia M. Gaudet, Ying Wang, Rebecca A. Hodge, Caroline Y. Um, Terryl J. Hartman, and Marjorie L. McCullough

NULL RESULTS IN BRIEF

ABOUT THE COVER

The cover image is adapted from Figure 2 in the article, “Development of Helicobacter pylori Whole-Proteome Arrays and Identification of Serologic Biomarkers for Noncardia Gastric Cancer in the MCC-Spain Study,” by Jeske and colleagues. The figure shows determination of on-chip expression by anti-tag staining. Green signals derive from anti-V5 (C-terminal) signal, while red signals derive from the anti-6xHis (N-terminal) antibody. Merged signals appear yellow. Detecting antibodies against specific Helicobacter pylori (H. pylori) proteins in peripheral blood can be applied to characterize infection and determine disease associations. Most studies analyzing the association between H. pylori infection and gastric cancer have focused on previously identified antigens, predominantly the virulence factor CagA. Selecting antigens in an unbiased approach may, however, allow the identification of novel biomarkers. Jeske and colleagues generated bacterial whole-proteome microarrays to develop an unbiased approach for the detection of seromarkers for the gastric bacterium H. pylori. In this study, the authors provide evidence that their H. pylori whole-proteome microarray offers a platform for unbiased de novo identification of serologic biomarkers. Given the microarray’s versatile workflow, antibody responses against other H. pylori strains and possible associations with diverse H. pylori–related outcomes can be systematically analyzed. For more information, see the article beginning on page 2235.