Highlights of This Issue  1

HYPOTHESIS/COMMENTARY

3  Tobacco Use in the Oncology Setting: Advancing Clinical Practice and Research
   Ellen R. Gritz, Benjamin A. Toll, and Graham W. Warren

EDITORIAL

10  Positive High-Risk HPV Test with Negative Cytology—A Conundrum and Blessing of Our Latest Technology
   Diane M. Harper and Jennifer A. Groner
   See article, p. 55

REVIEWS

12  Iron and Cancer Risk—A Systematic Review and Meta-analysis of the Epidemiological Evidence
   Ana Fonseca-Nunes, Paula Jakszyn, and Antonio Agudo

   K. Michael Cummings and Robert N. Proctor

37  The Surgeon General Report on Smoking and Health 50 Years Later: Breast Cancer and the Cost of Increasing Caution
   Stanton A. Glantz and Kenneth C. Johnson

RESEARCH ARTICLES

47  Personal History of Diabetes, Genetic Susceptibility to Diabetes, and Risk of Brain Glioma: A Pooled Analysis of Observational Studies

55  Primary hrHPV DNA Testing in Cervical Cancer Screening: How to Manage Screen-Positive Women? A POBASCAM Trial Substudy
   Maaike G. Dijkstra, Dirk van Niekerk, Dorien C. Rijkaart, Folkert J. van Kemenade, Danièle A.M. Heideman, Peter J.F. Snijders, Chris J.L.M. Meijer, and Johannes Berkhof
   See editorial, p. 10

64  Evaluation of Metabolite Biomarkers for Hepatocellular Carcinoma through Stratified Analysis by Gender, Race, and Alcoholic Cirrhosis
   Junfeng Xiao, Yi Zhao, Rency S. Varghese, Bin Zhou, Cristina Di Poto, Lihua Zhang, Mahlet G. Tadesse, Dina Hazem Ziada, Kirti Shetty, and Habtom W. Ressom

73  Plasma Alkylresorcinol Metabolites as Biomarkers for Whole-Grain Intake and Their Association with Prostate Cancer: A Swedish Nested Case-Control Study
   Isabel Drake, Emily Sonestedt, Bo Gullberg, Anders Bjartell, Hakan Olsson, Herman Adlercreutz, Matti J. Tikkanen, Elisabet Wirfält, and Peter Wallström

84  Breast Cancer Subtypes and Previously Established Genetic Risk Factors: A Bayesian Approach
   Katie M. O’Brien, Stephen R. Cole, Lawrence S. Engel, Jeannette T. Bensen, Charles Poole, Amy H. Herring, and Robert C. Millikan

98  Genes–Environment Interactions in Obesity- and Diabetes-Associated Pancreatic Cancer: A GWAS Data Analysis
   Hongwei Tang, Peng Wei, Eric J. Duell, Harvey A. Risch, Sara H. Olson, H. Bas Bueno-de-Mesquita, Steven Gallinger, Elizabeth A. Holly, Gloria M. Petersen, Paige M. Bracci, Robert R. McWilliams, Mazda Jenab, Elio Riboli, Anne Tjonneland, Marie Christine Boutron-Ruault, Rudolf Kaaks, Dimitrios Trichopoulos, Salvatore Panico, Malin Sund, Petra H.M. Posters, Kay-Tee Khaw, Christopher I. Amos, and Donghui Li
# Table of Contents

107  
Maté Drinking and Esophageal Squamous Cell Carcinoma in South America: Pooled Results from Two Large Multicenter Case–Control Studies  
Jay H. Lubin, Eduardo De Stefani, Christian C. Abnet, Gisele Acosta, Paolo Boffetta, Cesar Victoria, Barry I. Graubard, Nubia Muñoz, Hugo Deneo-Pellegrini, Silvia Franceschi, Xavier Castellsagué, Alvaro L. Ronco, and Sanford M. Dawsey

117  
Improved Survival Outcomes in Cancer Patients with Hereditary Hemorrhagic Telangiectasia  
Christine W. Duarte, Kimberly Murray, F. Lee Lucas, Kathleen Fairfield, Heathter Miller, Peter Brooks, and Calvin P.H. Vary

126  
Outcomes of Breast Cancer in Brazil Related to Health Care Coverage: A Retrospective Cohort Study  
Pedro E.R. Liedke, Dianne M. Finkelstein, Jackie Szymonifka, Carlos H. Barrios, Yanin Chavarri-Guerra, José Bines, Claudia Vasconcelos, Sergio D. Simon, and Paul E. Goss

134  
Strategies to Improve Repeat Fecal Occult Blood Testing Cancer Screening  
Terry C. Davis, Connie L. Arnold, Charles L. Bennett, Michael S. Wolf, Cristalyn Reynolds, Dachao Liu, and Alfred Rademaker

144  
The Detection of Hepatocellular Carcinoma Using a Prospectively Developed and Validated Model Based on Serological Biomarkers  
Philip J. Johnson, Sarah J. Pirrie, Trevor F. Cox, Sarah Berhane, Mabel Teng, Daniel Palmer, Janet Morse, Diana Hull, Gillian Patman, Chaki Kagebayashi, Syed Hussain, Janine Graham, Helen Reeves, and Shintaro Satomura

154  
Psychological Distress after a Positive Fecal Occult Blood Test Result among Members of an Integrated Healthcare Delivery System  
Sharon S. Laing, Andy Bogart, Jessica Chubak, Sharon Fuller, and Beverly B. Green

160  
Association of Marijuana Smoking with Oropharyngeal and Oral Tongue Cancers: Pooled Analysis from the INHANCE Consortium  

172  
*Helicobacter pylori* Seropositivities and Risk of Pancreatic Carcinoma  
Harvey A. Risch, Lingeng Lu, Mark S. Kidd, Jing Wang, Wei Zhang, Quanxing Ni, Yu-Tang Gao, and Herbert Yu

179  
Circulating Soluble Cytokine Receptors and Colorectal Cancer Risk  

189  
Postdiagnosis C-Reactive Protein and Breast Cancer Survivorship: Findings from the WHEL Study  
Adriana Villasenor, Shirley W. Flatt, Catherine Marinac, Loni Natarajan, John P. Pierce, and Ruth E. Patterson

200  
Characterizing the Temporal Dynamics of Human Papillomavirus DNA Detectability Using Short-Interval Sampling  
Su-Hsun Liu, Derek A.T. Cummings, Jonathan M. Zenilman, Patti E. Gravitt, and Rebecca M. Brotman

**SHORT COMMUNICATION**

209  
A Genome-Wide Association Study of Renal Cell Carcinoma among African Americans  
### NULL RESULTS IN BRIEF

215  No Link between Breast Cancer and Meningioma: Results from a Large Monoinstitutional Retrospective Analysis  
Carmen Criscitiello, Davide Disalvatore, Michele Santangelo, Nicole Rotmensz, Barbara Bazolli, Patrick Maisonneuve, Aron Goldhirsch, and Giuseppe Curigliano

### LETTER TO THE EDITOR

218  Long-term Statin Use and Risk of Breast Cancer—Letter  
Salvatore Gizzo, Emanuele Ancona, Marco Noventa, Donato D’Antona, and Giovanni Battista Nardelli

### CORRECTION

219  Correction: Estrogen Metabolism and Mammographic Density in Postmenopausal Women: A Cross-Sectional Study