

Highlights of This Issue 1947**MINIREVIEW**

- 1949** Perspectives for Consideration in the Development of Microbial Cell Reference Materials
Emma Allen-Vercoe, Joseph Russell Carmical, Samuel P. Forry, Mitchell H. Gail, and Rashmi Sinha


COMMENTARY

- 1955** Using NCI-Designated Cancer Center Catchment-Area Data to Understand an Ignored but High-Need Constituent: People Uncertain or Avoidant about Their Cancer Risk
Jennifer L. Hay, Marc T. Kiviniemi, Heather Orom, and Erika A. Waters

RESEARCH ARTICLES

- 1958** The Impact of Neighborhood Economic and Racial Inequalities on the Spatial Variation of Breast Cancer Survival in New Jersey
Daniel Wiese, Antoinette M. Stroup, Amanda Crosbie, Shannon M. Lynch, and Kevin A. Henry

- 1968** Breast Cancer in San Francisco: Disentangling Disparities at the Neighborhood Level
Alice Guan, Daphne Lichtensztajn, Debora Oh, Jennifer Jain, Li Tao, Robert A. Hiatt, Scarlett Lin Gomez, and Laura Fejerman; for the San Francisco Cancer Initiative Breast Cancer Task Force

- 1977** Immune Profiles of Tumor Microenvironment and Clinical Prognosis among Women with Triple-Negative Breast Cancer
 Ling Deng, Donghao Lu, Yingnan Bai, Yanping Wang, Hong Bu, and Hong Zheng

- 1986** A Cohort Study of Breast Cancer Risk after 20 Years of Follow-Up of Women Treated with Fertility Drugs
Sonia Guleria, Susanne K. Kjær, Vanna Albieri, Kirsten Frederiksen, and Allan Jensen

- 1993** Processed Meat Intake and Bladder Cancer Risk in the Prostate, Lung, Colorectal, and Ovarian (PLCO) Cohort
Xin Xu


- 1998** Associations of Tobacco and Alcohol Use with Risk of Neuroendocrine Tumors of the Small Intestine in Utah
Karen Curtin, Lisa A. Cannon-Albright, James VanDerslice, Zhe Yu, Kimberly A. Herget, Ramya Thota, and Deborah W. Neklason

- 2005** Esophageal Thermal Exposure to Hot Beverages: A Comparison of Metrics to Discriminate Distinct Consumption Habits
Daniel R.S. Middleton, Shuang-Hua Xie, Liacine Bouaoun, Graham Byrnes, Guo-Hui Song, Joachim Schüz, Wen-Qiang Wei, and Valerie A. McCormack

- 2014** Differential Cumulative Risk of Genetic Polymorphisms in Familial and Nonfamilial Esophageal Squamous Cell Carcinoma
Chen Suo, Tao Qing, Zhenqiu Liu, Xiaorong Yang, Ziyu Yuan, Ya-Jun Yang, Min Fan, Tiejun Zhang, Ming Lu, Li Jin, Xingdong Chen, and Weimin Ye

- 2022** Serologic Profile of Antiparietal Cell Antibodies, Pepsinogens, and *H. pylori* and Risk of Upper Gastrointestinal Cancer: A Nested Case-Control Study in China
Shao-Ming Wang, Mark J. Roth, Gwen A. Murphy, Sanford M. Dawsey, Jin-Hu Fan, Philip R. Taylor, You-Lin Qiao, and Christian C. Abnet

- 2030** A Comparison of Biopsy and Mucosal Swab Specimens for Examining the Microbiota of Upper Gastrointestinal Carcinoma
An-Qi Liu, Emily Vogtmann, Dan-Tong Shao, Christian C. Abnet, Hao-Yu Dou, Yu Qin, Zheng Su, Wen-Qiang Wei, and Wen Chen

- 2038** The Influence of Metabolic Syndrome on the Risk of Hepatocellular Carcinoma in Patients with Chronic Hepatitis B Infection in Mainland China
 Yifei Tan, Xiaoyun Zhang, Wei Zhang, Li Tang, Hanwei Yang, Ke Yan, Li Jiang, Jian Yang, Chuan Li, Jiayin Yang, Tianfu Wen, Huairong Tang, and Lunan Yan

- 2047** A Prospective Study of Intraprostatic Inflammation, Focal Atrophy, and Progression to Lethal Prostate Cancer
Yiwen Zhang, Cindy Ke Zhou, Emily M. Rencsok, Katja Fall, Tamara L. Lotan, Massimo Loda, Francesca Giunchi, Elizabeth A. Platz, Angelo M. De Marzo, Lorelei A. Mucci, Michelangelo Fiorentino, and Ericka M. Ebot

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- 2055** Post-MGUS Diagnosis Serum Monoclonal-Protein Velocity and the Progression of Monoclonal Gammopathy of Undetermined Significance to Multiple Myeloma
Su-Hsin Chang, Jason Gumbel, Suhong Luo, Theodore S. Thomas, Kristen M. Sanfilippo, Jingqin Luo, Graham A. Colditz, and Kenneth R. Carson
- 2062** Postdiagnosis Loss of Skeletal Muscle, but Not Adipose Tissue, Is Associated with Shorter Survival of Patients with Advanced Pancreatic Cancer
Ana Babic, Michael H. Rosenthal, William R. Bamlet, Naoki Takahashi, Motokazu Sugimoto, Laura V. Danai, Vicente Morales-Oyarvide, Natalia Khalaf, Richard F. Dunne, Lauren K. Brais, Marisa W. Welch, Caitlin L. Zellers, Courtney Dennis, Nader Rifai, Carla M. Prado, Bette Caan, Tilak K. Sundaresan, Jeffrey A. Meyerhardt, Matthew H. Kulke, Clary B. Clish, Kimmie Ng, Matthew G. Vander Heiden, Gloria M. Petersen, and Brian M. Wolpin
- 2070** A Phenome-Wide Mendelian Randomization Study of Pancreatic Cancer Using Summary Genetic Data
Ryan J. Langdon, Rebecca C. Richmond, Gibran Hemani, Jie Zheng, Kaitlin H. Wade, Robert Carreras-Torres, Mattias Johansson, Paul Brennan, Robyn E. Wootton, Marcus R. Munafo, George Davey Smith, Caroline L. Relton, Emma E. Vincent, Richard M. Martin, and Philip Haycock
- 2079** Transcriptomic Profiling Identifies a DNA Repair-Related Signature as a Novel Prognostic Marker in Lower Grade Gliomas
Fan Zeng, Xiu Liu, Kuanyu Wang, Zheng Zhao, and Guanzhang Li
- 2087** Electronic Cigarette Use among Survivors of Smoking-Related Cancers in the United States
Oladimeji Akinboro, Stanley Nwabudike, Rawad Elias, Oluseyi Balasire, Olatunde Ola, and Jamie S. Ostroff
- 2095** Urinary Leukotriene E₄ and 2,3-Dinor Thromboxane B₂ Are Biomarkers of Potential Harm in Short-Term Tobacco Switching Studies
Patrudu Makena, Gang Liu, Peter Chen, Charles R. Yates, and G.L. Prasad
- 2106** A Novel Scoring System for Pivotal Autophagy-Related Genes Predicts Outcomes after Chemotherapy in Advanced Ovarian Cancer Patients
Yuequn Niu, Wenjie Sun, Kelie Chen, Zhiqin Fu, Yaqing Chen, Jianqing Zhu, Hanwen Chen, Yu Shi, Honghe Zhang, Liming Wang, Han-Ming Shen, Dajing Xia, and Yihua Wu

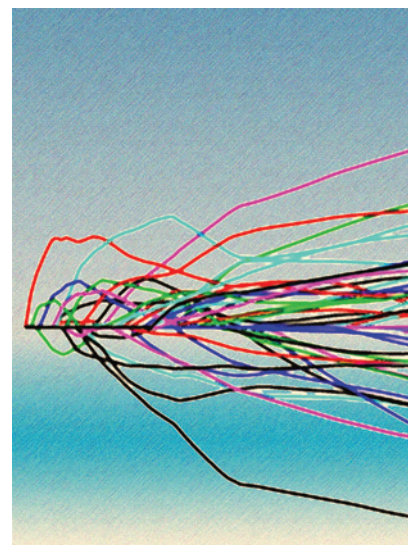


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ABOUT THE COVER

The cover image was adapted from Figure 1 in the article, "Transcriptomic Profiling Identifies a DNA Repair-Related Signature as a Novel Prognostic Marker in Lower Grade Gliomas," by Zeng and Liu, and colleagues. The authors identified a high-efficiency DNA damage repair-related risk signature as a predictor for prognosis in lower grade glioma. In Figure 1, the authors applied the LASSO Cox regression algorithm to select the most useful predictive features and identified four genes (CRY2, HDAC1, DCLRE1B, and KPNA2) with nonzero regression coefficients. The study concluded that the DNA damage repair-related signature was an independent and powerful prognostic biomarker in lower grade glioma. The signature may potentially improve risk stratification of patients and provide a more accurate assessment of personalized treatment in the clinic. For more information, see the article beginning on page 2079.



BLOOD CANCER DISCOVERY

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