

Contents

PERSPECTIVE

- 1257 | **Preventing Cervical Cancer Globally**
Kathleen M. Schmeler
Perspective on Pierce et al., p. 1273

REVIEW

- 1260 | **Obesity, Energy Balance, and Cancer: New Opportunities for Prevention**
Stephen D. Hursting, John DiGiovanni, Andrew J. Dannenberg, Maria Azrad, Derek LeRoith, Wendy Demark-Wahnefried, Madhuri Kakarala, Angela Brodie, and Nathan A. Berger

RESEARCH ARTICLES

- 1273 | **A Pilot Study of Low-Cost, High-Resolution Microendoscopy as a Tool for Identifying Women with Cervical Precancer**
Mark C. Pierce, YaoYao Guan, Mary Kate Quinn, Xun Zhang, Wen-Hua Zhang, You-Lin Qiao, Philip Castle, and Rebecca Richards-Kortum
See Perspective on p. 1257

- 1280 | **Multiphoton Tomographic Imaging: A Potential Optical Biopsy Tool for Detecting Gastrointestinal Inflammation and Neoplasia**
Tomoki Makino, Manu Jain, David C. Montrose, Amit Aggarwal, Joshua Sterling, Brian P. Bosworth, Jeffrey W. Milsom, Brian D. Robinson, Maria M. Shevchuk, Kathy Kawaguchi, Ning Zhang, Christopher M. Brown, David R. Rivera, Wendy O. Williams, Chris Xu, Andrew J. Dannenberg, and Sushmita Mukherjee

- 1291 | **Breast Cancer Incidence After Risk-Reducing Salpingo-Oophorectomy in BRCA1 and BRCA2 Mutation Carriers**
Ingrid E. Fakkert, Marian J.E. Mourits, Liesbeth Jansen, Dorina M. van der Kolk, Kees Meijer, Jan C. Oosterwijk, Bert van der Vegt, Marcel J.W. Greuter, and Geertruida H. de Bock

- 1298 | **Inhibition of Tumor Promotion by Parthenolide: Epigenetic Modulation of p21**
Akram Ghantous, Melody Saikali, Tilman Rau, Hala Gali-Muhtasib, Regine Schneider-Stock, and Nadine Darwiche

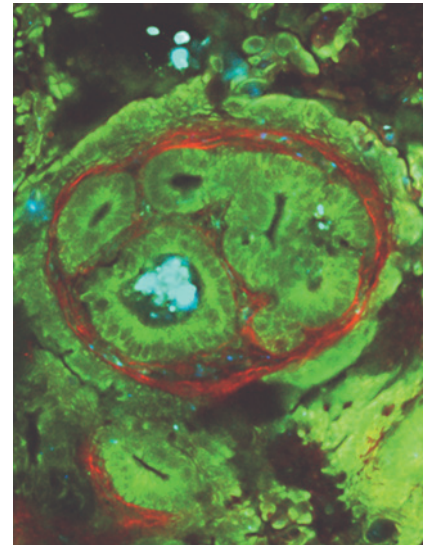
- 1310 | **Dietary Administration of δ - and γ -Tocopherol Inhibits Tumorigenesis in the Animal Model of Estrogen Receptor-Positive, but not HER-2 Breast Cancer**
Amanda K. Smolarek, Jae Young So, Brenda Burgess, Ah-Ng Tony Kong, Kenneth Reuhl, Yong Lin, Weichung Joe Shih, Guangxun Li, Mao-Jung Lee, Yu-Kuo Chen, Chung S. Yang, and Nanjoo Suh

- 1321 | **Baseline Mammographic Breast Density and the Risk of Invasive Breast Cancer in Postmenopausal Women Participating in the NSABP Study of Tamoxifen and Raloxifene (STAR)**
Reena S. Cecchini, Joseph P. Costantino, Jane A. Cauley, Walter M. Cronin, D. Lawrence Wickerham, Hanna Bandos, Joel L. Weissfeld, and Norman Wolmark

- 1330 | **Association between Ambient Ultraviolet Radiation and Risk of Epithelial Ovarian Cancer**
Bich Tran, Susan J. Jordan, Robyn Lucas, Penelope M. Webb, and Rachel Neale, for the Australian Ovarian Cancer Study Group

ABOUT THE COVER

The cover image shows a multiphoton microscopic image of an azoxymethane-induced aberrant crypt focus (ACF) in the colon of a mouse (300× magnification). The ACF is an early neoplastic lesion comprised of aberrant crypts lined by cells with low-grade dysplasia as defined by elongated and crowded nuclei within epithelial cells (green) and is surrounded by a thick band of connective tissue (red). Mucin is also observed within the aberrant crypts (blue). Multiphoton microscopy (MPM) uses endogenous signals from fresh tissue to generate images and is able to recapitulate tissue morphology at a level of detail comparable to standard hematoxylin and eosin staining. This image demonstrates the ability of MPM to visualize neoplastic lesions within the colon and provides the basis for potential "optical biopsies" for the early detection of neoplasia. See article by Makino et al. (beginning on page 1280) for more information.



Cancer Prevention Research

5 (11)

Cancer Prev Res 2012;5:1257-1336.

Updated version Access the most recent version of this article at:
<http://cancerpreventionresearch.aacrjournals.org/content/5/11>

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://cancerpreventionresearch.aacrjournals.org/content/5/11>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.