

Letter from the Editor 1

MINIREVIEWS

- 3 | **Nuclear Receptors as Modulators of the Tumor Microenvironment**
Mara H. Sherman, Michael Downes, and Ronald M. Evans
- 11 | **Cervical Cancer Prevention in Low- and Middle-Income Countries: Feasible, Affordable, Essential**
Vikrant V. Sahasrabudde, Groesbeck P. Parham, Mulindi H. Mwanahamuntu, and Sten H. Vermund

COMMENTARIES

- 18 | **Reducing HPV-Associated Cancer Globally**
Douglas R. Lowy and John T. Schiller
Commentary on Fitzgerald et al., p. 34
- 24 | **Preventing Cancer with Vaccines: Progress in the Global Control of Cancer**
Mark A. Kane
Commentary on Fitzgerald et al., p. 34

PERSPECTIVE

- 30 | **Strawberry Fields Forever?**
Nanjoo Suh and John M. Pezzuto
Perspective on Chen et al., p. 41

RESEARCH ARTICLES

- 34 | **The Effect of HIV and HPV Coinfection on Cervical COX-2 Expression and Systemic Prostaglandin E₂ Levels**
Daniel W. Fitzgerald, Karl Bezak, Oksana Ocheretina, Cynthia Riviere, Thomas C. Wright, Ginger L. Milne, Xi Kathy Zhou, Baoheng Du, Kotha Subbaramaiah, Erin Byrt, Matthew L. Goodwin, Arash Rafii, and Andrew J. Dannenberg
See Commentaries on p. 18 and p. 24

41 | **Randomized Phase II Trial of Lyophilized Strawberries in Patients with Dysplastic Precancerous Lesions of the Esophagus**

Tong Chen, Fei Yan, Jiaming Qian, Mingzhou Guo, Hongbing Zhang, Xiaofei Tang, Fang Chen, Gary D. Stoner, and Xiaomin Wang
See Perspective on p. 30

51 | **Stem Cell Antigen-1 Deficiency Enhances the Chemopreventive Effect of Peroxisome Proliferator-Activated Receptor Activation**

Hongyan Yuan, Geeta Upadhyay, Yuzhi Yin, Levy Kopelovich, and Robert I. Glazer

61 | **The Influence of UGT1A6 Variants and Aspirin Use in a Randomized Trial of Celecoxib for Prevention of Colorectal Adenoma**

Andrew T. Chan, Meier Hsu, Ann G. Zauber, Ernest T. Hawk, and Monica M. Bertagnolli

73 | **Hops (*Humulus lupulus*) Inhibits Oxidative Estrogen Metabolism and Estrogen-Induced Malignant Transformation in Human Mammary Epithelial cells (MCF-10A)**

L.P. Madhubhani P. Hemachandra, R. Esala P. Chandrasena, Shao-Nong Chen, Matthew Main, David C. Lankin, Robert A. Scism, Birgit M. Dietz, Guido F. Pauli, Gregory R.J. Thatcher, and Judy L. Bolton

82 | **Anti-estrogen Therapy for Breast Cancer Modifies the Risk of Subsequent Cutaneous Melanoma**

Caroline Huber, Christine Bouchardy, Robin Schaffar, Isabelle Neyroud-Caspar, Georges Vlastos, Frédérique-Anne Le Gal, Elisabetta Rapiti, and Simone Benhamou

89 | **CDDO-Methyl Ester Delays Breast Cancer Development in *Bra1*-Mutated Mice**

Eun-Hee Kim, Chuxia Deng, Michael B. Sporn, Darlene B. Royce, Renee Risingsong, Charlotte R. Williams, and Karen T. Liby

98	<p>Inflammatory Marker Changes in a Yearlong Randomized Exercise Intervention Trial among Postmenopausal Women Christine M. Friedenreich, Heather K. Neilson, Christy G. Woolcott, Qinggang Wang, Frank Z. Stanczyk, Anne McTiernan, Charlotte A. Jones, Melinda L. Irwin, Yutaka Yasui, and Kerry S. Courneya</p>	122	<p>Silencing <i>hsp25/hsp27</i> Gene Expression Augments Proteasome Activity and Increases CD8⁺ T-Cell-Mediated Tumor Killing and Memory Responses Ganachari M. Nagaraja, Punit Kaur, William Neumann, Edwina E. Asea, María A. Bausero, Gabriele Multhoff, and Alexander Asea</p>
109	<p><i>Momordica Charantia</i> Lectin, a Type II Ribosome Inactivating Protein, Exhibits Antitumor Activity toward Human Nasopharyngeal Carcinoma Cells <i>In Vitro</i> and <i>In Vivo</i> Evandro Fei Fang, Chris Zhi Yi Zhang, Tzi Bun Ng, Jack Ho Wong, Wen Liang Pan, Xiu Juan Ye, Yau Sang Chan, and Wing Ping Fong</p>	138	<p>Opportunities for the Primary Prevention of Colorectal Cancer in the United States Corinne E. Joshu, Giovanni Parmigiani, Graham A. Colditz, and Elizabeth A. Platz</p>

ABOUT THE COVER

The expression of heat shock protein 25 (Hsp25) or Hsp27 in mouse and human breast cancer cells is effectively downregulated by Hsp25 short hairpin RNA (Hsp25shRNA) or Hsp27 small interfering RNA (Hsp27siRNA), respectively. The cover features phase-contrast (at left) and fluorescent (at right) micropictograms (40X magnification) of control 4T1 cells (a highly metastatic breast cancer cell line) expressing controlshRNA (top images) or 4T1 cells modified to express Hsp25shRNA (bottom images). As demonstrated by the phase-contrast images (left), cell morphology is unaffected by the permanent transduction of a vector which contains controlshRNA (which does not have any sequence homology with the mouse genome) or Hsp25shRNA (which has sequence homology with the mouse *Hsp25* gene); the green fluorescent protein (GFP)-tagged fluorescent images (right) demonstrate a high expression (green) of controlshRNA and Hsp25shRNA even after six weeks in culture. Western blot analysis (not shown) indicates that Hsp25 expression is reduced in the Hsp25shRNA-expressing cells (bottom) versus controlshRNA-expressing cells (top). See article by Nagaraja et al. (beginning on page 122) for more information.



Cancer Prevention Research

5 (1)

Cancer Prev Res 2012;5:1-145.

Updated version Access the most recent version of this article at:
<http://cancerpreventionresearch.aacrjournals.org/content/5/1>

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/5/1>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.