

RESEARCH ARTICLES

171 Immunohistochemical Phenotype of Breast Cancer during 25-Year Follow-up of the Royal Marsden Tamoxifen Prevention Trial

Simone I. Detre, Susan Ashley, Kabir Mohammed, Ian E. Smith, Trevor J. Powles, and Mitch Dowsett

177 Activation of TRPA1 Channel by Antibacterial Agent Triclosan Induces VEGF Secretion in Human Prostate Cancer Stromal Cells

Sandra Derouiche, Pascal Mariot, Marine Warnier, Eric Vancauwenberghe, Gabriel Bidaux, Pierre Gosset, Brigitte Mauroy, Jean-Louis Bonnal, Christian Slomianny, Philippe Delcourt, Etienne Dewailly, Natalia Prevarskaya, and Morad Roudbaraki

188 Inhibitory Effects of γ - and δ -Tocopherols on Estrogen-Stimulated Breast Cancer *In Vitro* and *In Vivo*

Min Ji Bak, Soumyasri Das Gupta, Joseph Wahler, Hong Jin Lee, Xiaowei Li, Mao-Jung Lee, Chung S. Yang, and Nanjoo Suh

198 Metformin Accumulation Correlates with Organic Cation Transporter 2 Protein Expression and Predicts Mammary Tumor Regression *In Vivo*

L. Allyson Checkley, Michael C. Rudolph, Elizabeth A. Wellberg, Erin D. Giles, Reema S. Wahdan-Alaswad, Julie A. Houck, Susan M. Edgerton, Ann D. Thor, Pepper Schedin, Steven M. Anderson, and Paul S. MacLean

208 Aspirin-Induced Chemoprevention and Response Kinetics Are Enhanced by PIK3CA Mutations in Colorectal Cancer Cells

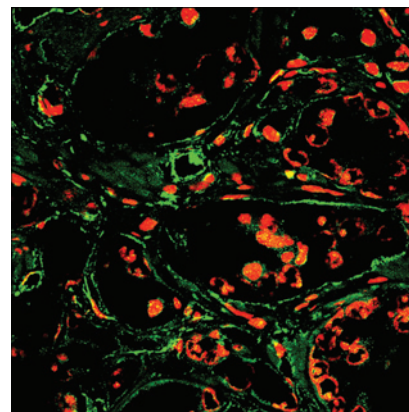
Timothy J. Zumwalt, Dominik Wodarz, Natalia L. Komarova, Shusuke Toden, Jacob Turner, Jacob Cardenas, John Burn, Andrew T. Chan, C. Richard Boland, and Ajay Goel

AC icon indicates Author Choice

For more information please visit www.aacrjournals.org

ABOUT THE COVER

Prostate cancer is among the most frequent malignancies in industrialized nations, and continuous research efforts are undertaken in order to prevent its development and progression to aggressive stage. However, the earliest molecular events leading to the development of the disease remain elusive, and detecting early forms of prostate cancer is therefore difficult. Exploring interactions between cancerous epithelial cells and surrounding stroma, as well as identifying modulator of these interactions, is a promising field to unravel new targets for the prevention or treatment of prostate cancer. The screening of normal and cancerous prostate tissues led to the characterization of a new stromal marker of prostate cancer, TRPA1 (Transient Receptor Potential Ankirin 1). TRPA1 is a cation channel that mediates calcium influx into stromal cells, ultimately promoting the secretion of VEGF and tumor growth. Interestingly, an environmental factor, Triclosan, induced the activation of the channel and growth factor secretion. The cover image shows the distinct stromal expression of TRPA1 (green signal) in prostate cancer tissue (nuclei are stained in red with propidium iodide). See article by Derouiche et al. (beginning on page 177) for more information about an environmental factor Triclosan, which is able to activate stromal TRPA1 and modulate the prostate tumor's microenvironmental interactions.



Cancer Prevention Research

10 (3)

Cancer Prev Res 2017;10:171-218.

Updated version Access the most recent version of this article at:
<http://cancerpreventionresearch.aacrjournals.org/content/10/3>

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/10/3>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.