


CANCER IMMUNOPREVENTION SERIES

- 1067** Cancer Immunoprevention: A New Approach to Intercept Cancer Early
Asad Umar
- 1072** Cancer Immunoprevention—The Next Frontier
Marie-Anne D. Smit, Elizabeth M. Jaffee, and Eric R. Lutz

REVIEW

- 1081** Targeting Apoptosis Pathways in Cancer and Perspectives with Natural Compounds from Mother Nature
 Faya M. Millimouno, Jia Dong, Liu Yang, Jiang Li, and Xiaomeng Li

PERSPECTIVE

- 1108** Human Fecal Microbiome–Based Biomarkers for Colorectal Cancer
Vilvapathy Narayanan, Maikel P. Peppelenbosch, and Sergey R. Konstantinov
See related article, p. 1112

RESEARCH ARTICLES

- 1112** The Human Gut Microbiome as a Screening Tool for Colorectal Cancer
Joseph P. Zackular, Mary A.M. Rogers, Mack T. Ruffin IV, and Patrick D. Schloss
See related article, p. 1108
- 1122** C-reactive Protein and Risk of Colorectal Adenomas or Serrated Polyps: A Prospective Study
Seth D. Crockett, Leila A. Mott, Elizabeth L. Barry, Jane C. Figueiredo, Carol A. Burke, Gwen J. Baxter, Robert S. Sandler, and John A. Baron

- 1128** Folate and Vitamin B12 May Play a Critical Role in Lowering the HPV 16 Methylation–Associated Risk of Developing Higher Grades of CIN
Chandrika J. Piyathilake, Maurizio Macaluso, Michelle M. Chambers, Suguna Badiga, Nuzhat R. Siddiqui, Walter C. Bell, Jeffrey C. Edberg, Edward E. Partridge, Ronald D. Alvarez, and Gary L. Johanning

- 1138** Omega-3 Fatty Acid Is a Potential Preventive Agent for Recurrent Colon Cancer
Anita Vasudevan, Yingjie Yu, Sanjeev Banerjee, James Woods, Lulu Farhana, Sindhu G. Rajendra, Aamil Patel, Gregory Dyson, Edi Levi, Krishna Rao Maddipati, Adhip P.N. Majumdar, and Pratima Nangia-Makker

- 1149** Honokiol Inhibits Lung Tumorigenesis through Inhibition of Mitochondrial Function
Jing Pan, Qi Zhang, Qian Liu, Steven M. Komar, Balaraman Kalyanaraman, Ronald A. Lubet, Yian Wang, and Ming You

- 1160** The Concentrations of EGFR, LRG1, ITIH4, and F5 in Serum Correlate with the Number of Colonic Adenomas in *Apc^{Pirc/+}* Rats
Melanie M. Ivancic, Amy A. Irving, Kelli G. Jonakin, William F. Dove, and Michael R. Sussman

LETTERS TO THE EDITOR

- 1170** PARP Inhibitors for Chemoprevention—Letter
Saswati N. Chand, Fernando F. Blanco, Masaya Jimbo, Theodore N. Tsangaris, Massimo Cristofanilli, Charles J. Yeo, Jordan M. Winter, Michael J. Pishvaian, and Jonathan R. Brody
- 1172** PARP Inhibitors for Chemoprevention—Reply
Ciric To, Michael B. Sporn, and Karen T. Liby



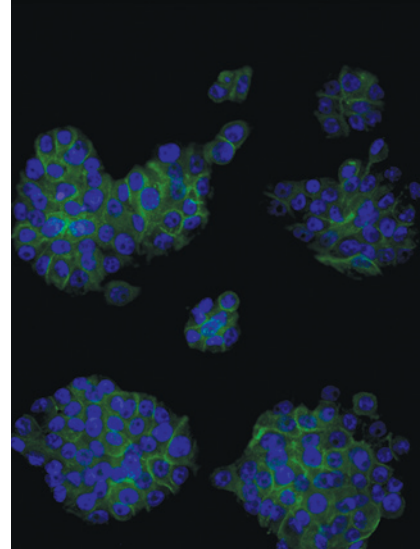
AC icon indicates Author Choice

For more information please visit www.aacrjournals.org

Table of Contents

ABOUT THE COVER

Dysregulation of Wnt/ β -catenin pathway has been reported to play a pivotal role in the development and progression of colorectal cancer. β -catenin is a downstream component of the Wnt signaling pathway. In the absence of Wnt stimulation, the levels of cytoplasmic β -catenin are low since the phosphorylated β -catenin is ubiquitinated and constantly degraded in the proteasome. In recurrent colon cancer, the coordinated phosphorylation and destruction of β -catenin is disrupted resulting in its accumulation and translocation to the nucleus, where it activates the transcription of its target genes, cyclin D1 and c-myc. The figure depicts indirect immunofluorescence staining of parental HT-29 cells showing membranous and cytoplasmic localization of β -catenin (green). Counter staining was performed with DAPI (blue) $\times 100$. See article by Vasudevan and colleagues (beginning on page 1138) for more information.



Cancer Prevention Research

7 (11)

Cancer Prev Res 2014;7:1067-1172.

Updated version Access the most recent version of this article at:
<http://cancerpreventionresearch.aacrjournals.org/content/7/11>

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/7/11>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.