


RESEARCH ARTICLES

- 417** **Genomic Landscape of Colorectal Mucosa and Adenomas**
Ester Borrás, F. Anthony San Lucas, Kyle Chang, Ruoji Zhou, Gita Masand, Jerry Fowler, Maureen E. Mork, Y. Nancy You, Melissa W. Taggart, Florencia McAllister, David A. Jones, Gareth E. Davies, Winfried Edelmann, Erik A. Ehli, Patrick M. Lynch, Ernest T. Hawk, Gabriel Capella, Paul Scheet, and Eduardo Vilar
- 428** **Elevated Levels of Urinary PGE-M Are Found in Tobacco Users and Indicate a Poor Prognosis for Oral Squamous Cell Carcinoma Patients**
Vikram D. Kekatpure, Naveen BS, Hanhan Wang, Xi Kathy Zhou, Chandramohan Kandasamy, Sumsun P. Sunny, Amritha Suresh, Ginger L. Milne, Moni Abraham Kuriakose, and Andrew J. Dannenberg
- 437** **Prognostic Significance of VEGF after Twenty-Year Follow-up in a Randomized Trial of Fenretinide in Non-Muscle-Invasive Bladder Cancer**
Matteo Puntoni, Marilena Petrerá, Sara Campora, Elsa Garrone, Carlotta Defferrari, Rosalba Torrisi, Harriet Johansson, Silvia Bruno, Antonio Curotto, and Andrea DeCensi
- 445** **Risk Stratification System for Oral Cancer Screening**
Lutécia H. Mateus Pereira, Isildinha M. Reis, Erika P. Reategui, Claudia Gordon, Sandra Saint-Victor, Robert Duncan, Carmen Gomez, Stephanie Bayers, Penelope Fisher, Aymee Perez, W. Jarrard Goodwin, Jennifer J. Hu, and Elizabeth J. Franzmann
- 456** **Gene Signature in Sessile Serrated Polyps Identifies Colon Cancer Subtype**
Priyanka Kanth, Mary P. Bronner, Kenneth M. Boucher, Randall W. Burt, Deborah W. Neklason, Curt H. Hagedorn, and Don A. Delker
- 466** **Soy Protein Isolate Protects Against Ethanol-Mediated Tumor Progression in Diethylnitrosamine-Treated Male Mice**
Kelly E. Mercer, Casey Pulliam, Leah Hennings, Keith Lai, Mario Cleves, Ellen Jones, Richard R. Drake, and Martin Ronis
- 476** **Rapid Fiber-optic Raman Spectroscopy for Real-Time *In Vivo* Detection of Gastric Intestinal Metaplasia during Clinical Gastroscopy**
Kan Lin, Jianfeng Wang, Wei Zheng, Khek Yu Ho, Ming Teh, Khay Guan Yeoh, and Zhiwei Huang
- 484** **Alterations of Cyclooxygenase-2 Methylation Levels Before and After Intervention Trial to Prevent Gastric Cancer in a Chinese Population**
Yang Zhang, Hong-Mei Zeng, Xiao-Rui Nie, Lian Zhang, Jun-Ling Ma, Ji-You Li, Kai-Feng Pan, and Wei-Cheng You
- 491** **Paricalcitol Enhances the Chemopreventive Efficacy of 5-Fluorouracil on an Intermediate-Term Model of Azoxymethane-Induced Colorectal Tumors in Rats**
 Adel Galal El-Shemi, Bassem Refaat, Osama Adnan Kensara, Amr Mohamed Mohamed, Shakir Idris, and Jawwad Ahmad

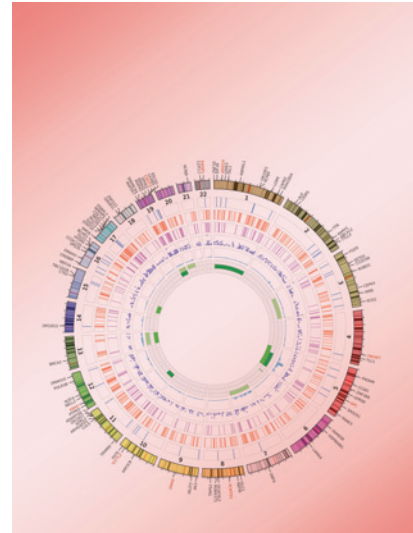
 AC icon indicates Author Choice

For more information please visit www.aacrjournals.org

Table of Contents

ABOUT THE COVER

There has been limited progress in obtaining a comprehensive genomic analysis of colorectal adenomas and at-risk mucosa. Therefore, exome sequencing efforts focusing on the characterization of the evolution from normal tissue to carcinoma via greater resolution of molecular changes at the inflection point of premalignant lesions are critical to identify novel candidate genes involved in intestinal carcinogenesis that could serve as biomarkers and drug targets for future chemoprevention trials. The cover is displaying a circos plot summarizing the genomic landscape of 25 colorectal adenomas from patients diagnosed with familial adenomatous polyposis. The outer ideogram runs clockwise from chromosome 1 to 22. The tracks from outside going in present stop gains and frameshift mutations (green), nonsynonymous and indels that produce non-frameshift mutations (red), synonymous mutations (purple), allelic frequencies of detected somatic mutations (light purple), and percentage of adenomas in the cohort that harbor somatic alterations (blue). The genes displayed outside the chromosomes harbor somatic mutations classified as damaging. Genes in red have been found recurrently mutated. Finally, inner ideograms display copy number profiles in different shades of green: amplification (light), copy-neutral LOH (dark), and deletions (medium) are depicted from the outside to inside. See the article by Borras and colleagues (beginning on page 417) for more information.



Cancer Prevention Research

9 (6)

Cancer Prev Res 2016;9:417-501.

Updated version Access the most recent version of this article at:
<http://cancerpreventionresearch.aacrjournals.org/content/9/6>

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/9/6>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.