

## EDITORIAL

- 1** Molecular Predicators of Duodenal Familial Adenomatous Polyposis Chemoprevention: Do Chemopreventive Drugs Hit Their Presumed Molecular Targets?  
Imad Shureiqi  
*See related article, p. 4*

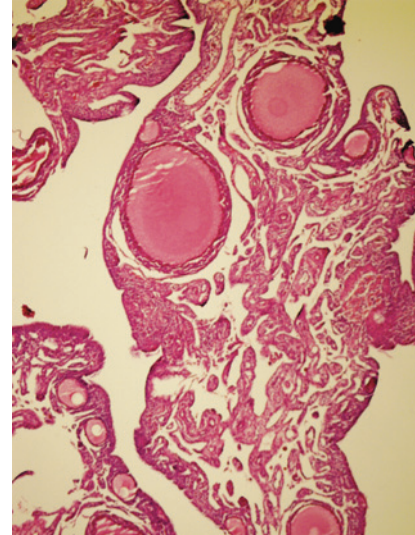
## RESEARCH ARTICLES

- 4** Chemoprevention with Cyclooxygenase and Epidermal Growth Factor Receptor Inhibitors in Familial Adenomatous Polyposis Patients: mRNA Signatures of Duodenal Neoplasia  
Don A. Delker, Austin C. Wood, Angela K. Snow, N. Jewel Samadder, Wade S. Samowitz, Kajsa E. Affolter, Kenneth M. Boucher, Lisa M. Pappas, Inge J. Stijleman, Priyanka Kanth, Kathryn R. Byrne, Randall W. Burt, Philip S. Bernard, and Deborah W. Neklason  
*See related editorial, p. 1*
- 16** Does Mutated *K-RAS* Oncogene Attenuate the Effect of Sulindac in Colon Cancer Chemoprevention?  
Photini F.S. Rice, Kevin G. Ehrichs, Mykella S. Jones, Hwudarw Chen, Chiu-Hsieh Hsu, Edward R. Abril, Raymond B. Nagle, David G. Besselsen, Jennifer K. Barton, and Natalia A. Ignatenko
- 27** Flaxseed Consumption Inhibits Chemically Induced Lung Tumorigenesis and Modulates Expression of Phase II Enzymes and Inflammatory Cytokines in A/J Mice  
Shireen Chikara, Sujjan Mamidi, Avinash Sreedasyam, Kishore Chittem, Ralph Pietrofesa, Athena Zuppa, Ganesh Moorthy, Neil Dyer, Melpo Christofidou-Solomidou, and Katie M. Reindl
- 38** A Survey among Breast Cancer Specialists on the Low Uptake of Therapeutic Prevention with Tamoxifen or Raloxifene  
Silvia Noonan, Ambra Pasa, Vincenzo Fontana, Silvia Caviglia, Bernardo Bonanni, Alberto Costa, Samuel G. Smith, Fedro Peccatori, and Andrea DeCensi
- 44** Genetic Variants in Metabolic Signaling Pathways and Their Interaction with Lifestyle Factors on Breast Cancer Risk: A Random Survival Forest Analysis  
Su Yon Jung, Jeanette C. Papp, Eric M. Sobel, and Zuo-Feng Zhang
- 52** A Novel Application of Structural Equation Modeling Estimates the Association between Oxidative Stress and Colorectal Adenoma  
Ronald C. Eldridge, Michael Goodman, Robert M. Bostick, Veronika Fedirko, Myron Gross, Bharat Thyagarajan, and W. Dana Flanders
- 59** Chemopreventive and Antitumor Efficacy of Curcumin in a Spontaneously Developing Hen Ovarian Cancer Model  
Kazim Sahin, Cemal Orhan, Mehmet Tuzcu, Nurhan Sahin, Hakkı Tastan, İbrahim Hanifi Özercan, Osman Güler, Nermin Kahraman, Omer Kucuk, and Bulent Ozpolat

# Table of Contents

## ABOUT THE COVER

Recent studies demonstrated that the laying hen (*Gallus gallus domesticus*) is the only nonhuman animal that experiences spontaneous development of ovarian cancer, occurring at a high prevalence rate of up to 35%. Thus, it is an emerging experimental model for studying the development and progression of this cancer as well as investigating chemopreventive and therapeutic strategies. More importantly, ovarian cancer in hens has histology and morphology similar to those of the human disease and shares many clinical and pathological features with the frequently occurring epithelial subtypes of human ovarian cancer, such as high-grade serous cancer with metastasis and production of ascites and similar molecular pathways and markers, such as CA-125 expression and mutation frequency. The present study investigated the chemopreventive and antitumor effects of dietary curcumin in clinically relevant galline model and demonstrates a tremendous role for curcumin as a chemopreventive strategy for ovarian cancer. The cover image shows developing follicles containing fat globules in ovarian tissue sections obtained from hens with normal ovaries (stained with hematoxylin and eosin). See article by Sahin et al. (beginning on page 59) for more information.



# Cancer Prevention Research

11 (1)

*Cancer Prev Res* 2018;11:1-67.

**Updated version** Access the most recent version of this article at:  
<http://cancerpreventionresearch.aacrjournals.org/content/11/1>

**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](mailto:pubs@aacr.org).

**Permissions** To request permission to re-use all or part of this article, use this link <http://cancerpreventionresearch.aacrjournals.org/content/11/1>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.