The Search for Unaffected Individuals with Lynch Syndrome: Do the Ends Justify the Means?
Heather Hampel and Albert de la Chapelle

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Time to Think Outside the (Genetic) Box
Jean-Pierre J. Issa and Judy E. Garber

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Health Benefits and Cost-Effectiveness of Primary Genetic Screening for Lynch Syndrome in the General Population

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Constitutional Methylation of the BRCA1 Promoter Is Specifically Associated with BRCA1 Mutation-Associated Pathology in Early-Onset Breast Cancer
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Randomized Phase II Trial of Inhaled Budesonide versus Placebo in High-Risk Individuals with CT Screen-Detected Lung Nodules
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Interleukin 6, but Not T Helper 2 Cytokines, Promotes Lung Carcinogenesis
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Cannabinoid Receptors, CB1 and CB2, as Novel Targets for Inhibition of Non-Small Cell Lung Cancer Growth and Metastasis
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MicroRNAs 211/222 and Genistein-Mediated Regulation of ARHI Tumor Suppressor Gene in Prostate Cancer
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Naftopidil, a Selective α1-Adrenoceptor Antagonist, Suppresses Human Prostate Tumor Growth by Altering Interactions between Tumor Cells and Stroma
Yasuhide Hori, Kenichiro Ishii, Hideki Kanda, Yoichi Iwamoto, Kohei Nishikawa, Norihito Soga, Hideaki Kise, Kiminobu Arima, and Yoshiki Sugimura

Mcs5c: A Mammary Carcinoma Susceptibility Locus Located in a Gene Desert that Associates with Tenascin C Expression
Adeline L. Veillet, Jill D. Haag, Jane L. Remfert, Amanda L. Meilahn, David J. Samuelson, and Michael N. Gould

Estrogen and Cytochrome P450 1B1 Contribute to Both Early- and Late-Stage Head and Neck Carcinogenesis
Ekaterina G. Shatalova, Andres J.P. Klein-Szanto, Karthik Devarajan, Edna Cukierman, and Margie L. Clapper

Resveratrol-Induced Apoptosis Is Mediated by Early Growth Response-1, Kruppel-Like Factor 4, and Activating Transcription Factor 3
Nichelle C. Whitlock, Jae Hoon Bahn, Seong-Ho Lee, Thomas E. Eling, and Seung Joon Baek
ABOUT THE COVER

The cover image is a photomicrograph (400X) showing intact nuclear staining for PMS2 expression in malignant colon cells. PMS2 is one of four mismatch repair proteins, including MLH1, MSH2, and MSH6, that are normally stained for immunohistochemically in screening for Lynch syndrome. Cells in this image were stained using the PMS2 antibody clone A16-4 (BD PharMingen) at a dilution of 1:300. The absence of any one of the four stains in a tumor raises suspicion of an underlying Lynch syndrome mutation in that gene. This staining approach is the most cost-effective method for screening all newly diagnosed colorectal cancer patients for Lynch syndrome. See articles by Dinh et al. (beginning on page 9) and Hampel and de la Chapelle (beginning on page 1) for more information.