RESEARCH ARTICLES

1131  Phase Ib Randomized, Double-Blinded, Placebo-Controlled, Dose Escalation Study of Polyphenon E in Patients with Barrett's Esophagus

1138  Prediagnostic Plasma Adiponectin and Survival among Patients with Colorectal Cancer
Dawn Q. Chong, Raaj S. Mehta, Mingyang Song, Dmitriy Kedrin, Jeffrey A. Meyerhardt, Kimmie Ng, Kana Wu, Charles S. Fuchs, Edward L. Giovannucci, Shuji Ogino, and Andrew T. Chan

1146  Clinical Trial of Acolbifene in Premenopausal Women at High Risk for Breast Cancer
Carol J. Fabian, Bruce F. Kimler, Carola M. Zalles, Teresa A. Phillips, Trina Metheny, Brian K. Petroff, Thomas C. Havighurst, KyungMann Kim, Howard H. Bailey, and Brandy M. Heckman-Stoddard

1156  NSAID Use and Risk of Hepatocellular Carcinoma and Intrahepatic Cholangiocarcinoma: The Liver Cancer Pooling Project

1163  Divergent Roles of PAX2 in the Etiology and Progression of Ovarian Cancer
Ensaf M. Al-Hujaily, Yong Tang, De-Sheng Yao, Euridice Carmona, Kenneth Garson, and Barbara C. Vanderhyden

1174  Leptin and Adiponectin Modulate the Self-renewal of Normal Human Breast Epithelial Stem Cells
Raymond M. Esper, Michael Dane, Shannon McClintock, Peter R. Holt, Andrew J. Dannenberg, Max S. Wicha, and Dean E. Brenner

1184  Sulforaphane Bioavailability and Chemopreventive Activity in Women Scheduled for Breast Biopsy
Lauren L. Atwell, Zhenzhen Zhang, Motomi Mori, Paige E. Farris, John T. Vetto, Arpana M. Naik, Karen Y. Oh, Philippe Thuillier, Emily Ho, and Jackilen Shannon

1192  Acknowledgment to Reviewers
ABOUT THE COVER

Adipose is a metabolically active and complex tissue consisting of macrophages, lymphocytes, endothelium, mesenchymal stem cells, and mature adipocytes. There are significant structural and functional differences between adipose derived from lean and obese humans. Adipose from obese humans with metabolic syndrome secretes a very different milieu of active cytokines, compared to healthy adipose. Culturing mature intact adipose tissue derived from adipose biopsies or surgically resected organs presents new opportunities to study the complex signals between adipose and epithelia. Normal human adipose adapts well in contemporary 3-dimensional culture technologies. The micrograph shown on the cover (40× magnification) shows intact mammary adipose stained for actin (red) and neutral fatty acids with BODIPY493/503 (green) to identify adipocytes. Conditioned media collected from adipose in culture enables analysis of the secretome and further exploration of both paracrine and endocrine effects of adipose-derived cytokines on vulnerable epithelial targets. The publication of Esper et al. (p. 1174) in this issue of Cancer Prevention Research reports that leptin secretion from human adipose correlates with expansion of normal human mammary stem cell spheres. Adipose-derived adiponectin is inversely correlated with normal human mammary stem cell sphere formation. This model provides a useful platform for studies aimed at dissecting the relationship between the obesity-associated metabolic syndrome and carcinogenesis.
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