RESEARCH ARTICLES

867  Metformin and Cancer Risk and Mortality: A Systematic Review and Meta-analysis Taking into Account Biases and Confounders
Sara Gandini, Matteo Puntoni, Brandy M. Heckman-Stoddard, Barbara K. Dunn, Leslie Ford, Andrea DeCensi, and Eva Szabo

886  Plasma Tocopherols and Risk of Prostate Cancer in the Selenium and Vitamin E Cancer Prevention Trial (SELECT)

896  Flutamide and Biomarkers in Women at High Risk for Ovarian Cancer: Preclinical and Clinical Evidence
Christine Gruessner, Angelika Gruessner, Katherine Glaser, Nisreen AbuShahin, Yi Zhou, Cynthia Laughren, Heather Wright, Samantha Pinkerton, Xiaofang Yi, Jha’nae Stoffer, Masoud Azodi, Wenxin Zheng, and Setsuko K. Chambers

906  Aspirin and Serum Estrogens in Postmenopausal Women: A Randomized Controlled Clinical Trial
Catherine Duggan, Ching-Yun Wang, Liren Xiao, and Anne McTiernan

913  Carcinogen-Induced Skin Tumor Development Requires Leukocytic Expression of the Transcription Factor Runx3
Omri Bauer, Shay Hantisteau, Joseph Lotem, and Yoram Groner

927  Dihydromyricetin Activates AMP-Activated Protein Kinase and P38MAPK Exerting Antitumor Potential in Osteosarcoma
Zhiqiang Zhao, Jun-qiang Yin, Man-si Wu, Guohui Song, Xian-biao Xie, Changye Zou, Qinglian Tang, Yuzhong Wu, Jinchang Lu, Yongqian Wang, Jin Wang, Tiebang Kang, Qiang Jia, and Jingnan Shen

939  Breast Cancer Cell Apoptosis with Phytoestrogens Is Dependent on an Estrogen-Deprived State
Ifeyinwa E. Obiorah, Ping Fan, and V. Craig Jordan

950  A Functional Variant in NKX3.1 Associated with Prostate Cancer Risk in the Selenium and Vitamin E Cancer Prevention Trial (SELECT)
Erin E. Martinez, Amy K. Darke, Catherine M. Tangen, Phyllis J. Goodman, Jay H. Fowke, Eric A. Klein, and Sarki A. Abdulkadir

958  Kaempferol Targets RSK2 and MSK1 to Suppress UV Radiation-Induced Skin Cancer
Ke Yao, Hanyong Chen, Kangdong Liu, Alyssa Langfald, Ge Yang, Yi Zhang, Dong Hoon Yu, Myoung Ok Kim, Mee-Hyun Lee, Haitao Li, Ki Beom Bae, Hong-Gyum Kim, Wei-Ya Ma, Ann M. Bode, Ziming Dong, and Zigang Dong
Langerhans cells (LCs) have long been considered to be the primary igniters of cutaneous immune responses. As a part of a broader study on skin tumor immunity, Bauer and colleagues evaluated the involvement of LCs in a genetically-modified mouse model that was highly-resistant to the two-stage (DMBA/TPA) skin tumorigenesis assay. The cover micrograph (×400) shows immunofluorescence staining of murine steady-state LCs. Epidermal sheet (wild type) was immunostained with an anti-MHCII (FITC) antibody, to visualize LCs. Note the phenotypic dendritic morphology of these cells. See article by Bauer and colleagues (beginning on page 913) for more information.