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About the Cover

The cover image shows a direct interaction network of genes differentially expressed in an oral leukoplakia model (MSK-Leuk1) treated with tobacco smoke (TS) extract (repressed genes, green; induced genes, red). Transcription regulators without significant expression change (white) are expressed in MSK-Leuk1 cells and interact with over five differentially expressed genes, suggesting their roles in signaling pathways perturbed by TS. Network analysis identified specific molecular interactions, hubs and key transcription regulators of interest. The insights into mechanisms underlying the procarcinogenic effects of TS may suggest new targets for cancer prevention and therapy agents and help explain the reduced efficacy of chemoprevention and therapy in smokers. See article by Gümüş et al. on page 100 for more information.