Biological Basis of Alcohol-Induced Cancer [

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Monografía

This proceedings volume will contain chapters based upon the presentation of the 2nd International Conference on Alcohol and Cancer in Colorado, 2013. The various topics explore the affects of alcohol on: liver and breast cancer, cell signaling and cancer, stem cells, biomarkers and metabolomics, aerodigestive cancers, cancer and the immune system, and more. In the recent years, a significant amount of research has emerged connecting the link between alcohol and cancer. The field has rapidly advanced, especially since the complex connection between alcohol and cancer has several unique sub areas that are being investigated and this volume gives a comprehensive overview of these advancements

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an Overview With special Emphasis on the Role of Acetaldehyde and Cytochrome P-4502E1 -- Implications of acetaldehyde-derived DNA adducts for understanding alcohol related carcinogenesis -- The role of iron in alcohol-mediated hepatocarcinogenesis -- Alcoholic Cirrhosis and Hepatocellular Carcinoma -- TLR4-dependent tumor-initiating stem cell-like cells (TICs) in alcohol-associated hepatocellular carcinogenesis -- Synergistic Toxic Interactions Between CYP2E1, LPS/TNF and JNK/p38 MAP Kinase and their Implications in Alcohol-induced Liver Injury -- Understanding the tumor suppressor PTEN in chronic alcoholism and hepatocellular carcinoma -- Alcohol consumption, Wnt/b-catenin signaling and hepatocarcinogensis -- Alcohol and HCV: Implications for Liver Cancer -- Application of Mass Spectrometry-based Metabolomics in Identification of Early Noninvasive Biomarkers of Alcohol-Induced Liver Disease Using Mouse Model -- Alcohol Metabolism by Oral Streptococci and Interaction with Human Papillomavirus Leads to Malignant Transformation of Oral Keratinocytes -- Genetic polymorphisms of alcohol dehydrogense-1B and aldehyde dehydrogenase-2, alcohol flushing, mean corpuscular volume, and aerodigestive tract neoplasia in Japanese drinkers -- Acetaldehyde and Retinaldehyde-Metabolizing Enzymes in Colon and Pancreatic cancers -- Alcohol, Carcinoembryonic Antigen Processing and Colorectal Liver Metastases -- Alcohol Consumption and Antitumor Immunity: Dynamic Changes from Activation to Accelerated Deterioration of the Immune System -- A Perspective on Chemoprevention by Resveratrol in Head and Neck Squamous Cell Carcinoma -- The effects of alcohol and aldehyde dehydrogenases on disorders of hematopoiesis -- The effect of alcohol on sirt1 expression and function in animal and human models of hepatocellular carcinoma (HCC) -- Transgenic Mouse Models for Alcohol Metabolism, Toxicity and Cancer -- Fetal alcohol exposure increases susceptibility to carcinogenesis and promotes tumor progression in prostate gland -- Fetal Alcohol Exposure and Mammary Tumorigenesis in Offspring: Role of the Estrogen and Insulin-like Growth Factor Systems

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