

CURRICULUM VITAE

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Current Positions:

Professor and Coulter R. Sublett Endowed Chair, Division of Pharmacology & Toxicology
Associate Director of Basic Science Research, LiveSTRONG Cancer Institutes, Dell Medical School
Director, Center for Molecular Carcinogenesis and Toxicology

Institution:

The University of Texas at Austin

Location:

Austin, TX, USA

Specialty & Present Interest:

Research interests in my laboratory focus on several major areas: i) identifying critical targets and mechanisms involved in the initiation and promotion stages of chemical as well as UV skin carcinogenesis; ii) identification of genetic determinants of susceptibility to cancer; iii) exploring novel prevention strategies for cancer including exploring the chemopreventive activity of novel pentacyclic triterpenes found in *P. frutescens*; iv) development of new mouse models for cancer, including models for skin, prostate and head and neck cancers for cancer prevention and treatment studies; v) understanding the mechanisms of dietary energy balance, including both the effects of calorie restriction and obesity, on development and progression of prostate cancer and other cancers; and finally vi) exploring novel treatment strategies for several cancers. In this latter area, we are currently evaluating a human enzymes that deplete amino acids (e.g., cysteine and methionine) as a therapeutic approach for treating prostate cancer (PCa) and other cancers.