

# Dr Qi Dai

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VANDERBILT UNIVERSITY



MEDICAL CENTER

## **Biographical sketch**

Dr. Dai, Ingram Professor of Cancer Research at Vanderbilt Ingram Cancer Center and Vanderbilt University Medical Center, has over 30 years of experience in conducting large epidemiologic studies of chronic diseases. In particular, Dr. Dai has extensive expertise in conducting nutritional and molecular epidemiologic studies to investigate nutrient-nutrient (e.g. magnesium, calcium and vitamin D) and gene-nutrition interactions in the etiology of cancer and other chronic diseases. Dr. Dai has been the PI for five R01/U01 projects to investigate magnesium and/ calcium in the etiology of colorectal neoplasia. In these studies, multi-omics approaches including genomics, methylomics, metabolomics and metagenomics, have been utilized. Dr. Dai has completed the first precision-based randomized trial of magnesium for the precision-based prevention of colorectal cancer.

Presentation of my lecture: using retrospective cohort studies to examine magnesium exposure in risk of disease, progression and mortality

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