

Qi Dai (Nashville, USA)



Dr. Dai has extensive expertise in nutritional and molecular epidemiologic studies. Dr. Dai's research focus is to identify and investigate nutrient-nutrient and gene-nutrition interactions in the etiology of cancer and other chronic diseases and to subsequently develop precision-based prevention strategies. In particular, Dr. Dai has studied nutrient-nutrient (i.e. magnesium with calcium or vitamin D) and nutrient (i.e. magnesium with calcium or vitamin D)-gene interactions in the etiology and prevention of colorectal neoplasia and other chronic diseases. Contact: qi.dai@Vanderbilt.Edu

In his speech, he will talk about how modulating the calcium: magnesium ratio through supplementation of personalized doses of magnesium influences vitamin D status and metabolism and how magnesium-vitamin D interaction may provide an interpretation for the inconsistent results from randomized trials and observational epidemiologic studies on the associations between vitamin D and risk of cancer and cardiovascular disease.