

**DEPARTMENT OF NUTRITION**

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**Huanbiao Mo, PhD, Professor of Nutrition**

**1. General Research Interest**

- a. Diet and cancer
  - i. Cancer prevention by dietary isoprenoids via suppression of the mevalonate pathway
- b. Alzheimer's disease
  - i. Impact of isoprenoids on Alzheimer's disease via modulation of the intermediate and end products of the mevalonate pathway
- c. Roles of sterols and non-sterol isoprenoids in obesity and bone health

**2. Current research projects**

- a. The mevalonate-suppressive activity of specialty plant oils

**3. Research skills**

- a. Cell culture: various cancer cells, adipocytes, macrophages
- b. Cell cycle and apoptosis analysis
- c. Biochemical and molecular analysis of gene expression, e.g. PCR, Western-blot.
- d. *In vivo* cancer models