

Huanbiao Mo, PhD
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CURRICULUM VITA

EDUCATION

PhD, Nutritional Sciences, University of Wisconsin-Madison

MS, Plant Physiology, Shanghai Institute of Plant Physiology, Chinese Academy of Sciences

BS, Biochemistry, Fudan University

RESEARCH INTERESTS

Dr. Mo is interested in the modulation of mevalonate pathway by dietary isoprenoids and other phytochemicals and their application in human health including cancer, bone and obesity.

SELECTED PUBLICATIONS (last five years)

Katuru R, Fernandes N, Elfakhani M, Dutta D, Mills N, Hynds DL, King C, **Mo H.** (2011) Mevalonate depletion mediates the suppressive impact of geranylgeraniol on murine B16 melanoma cells. *Exp. Biol. Med.* (Maywood) 236:604-613.

Ye Y, Wang H, Chu JH, Chou GX, Chen SB, **Mo H**, Fong WF, Yu ZL. (2011) Atractylenolide II induces G1 cell-cycle arrest and apoptosis in B16 melanoma cells. *J. Ethnopharmacol.* 136:279-282.

Fernandes N, Praveen K, **Mo H.** (2010) *d*- δ -Tocotrienol-mediated cell cycle arrest and apoptosis in human melanoma cells. *Anticancer Res.* 30:4937-4944.

Hussein D, **Mo H.** (2009) *d*- δ -Tocotrienol-mediated suppression of the proliferation of human PANC-1, MIA PaCa-2 and BxPC-3 pancreatic carcinoma cells. *Pancreas* 38:e124-e136.

Fernandes, N, Jung, M, Daoud, A, and **Mo, H.** (2008) Biphenylalkylacetylhydroquinone ethers suppress the proliferation of murine B16 melanoma cells. *Anticancer Res.* 28:1005-1012.

McAnally J, Gupta, J, Sodhani, S, and **Mo, H.** (2007) Tocotrienols potentiate lovastatin-mediated growth suppression in vitro and in vivo. *Exp. Biol. Med.* 232:523-531.

Mo, H, and Elson, CE. (2006) Isoprenoids and novel inhibitors of mevalonate pathway activities, in *Nutritional Oncology*, 2nd ed., eds D. Heber, G. Blackburn, V.L.W. Go, and J. Milner, Academic Press, San Diego, CA.

Adams RE, Hsueh, A, Alford, B, King C, **Mo, H,** and Wildman, R. (2006) Conjugated linoleic acid supplementation does not reduce visceral adipose tissue in middle-aged men engaged in a resistance-training program. *J. Int. Soc. Sports Nutr.* 3:28-36.

CURRENT GRANTS

USDA Agriculture and Food Research Initiative 01/01/2010 – 12/31/2011
The Impact of *d*- δ -Tocotrienol on Osteoclasts and Osteoblasts
The goal of this grant is to evaluate the effect of *d*- δ -tocotrienol-mediated mevalonate starvation on cultured osteoclasts and osteoblasts
Role: Principal Investigator

USDA Agriculture and Food Research Initiative 01/01/2010 – 12/31/2011
Bone Protective Mechanism of Blueberry Polyphenols
The goal of this grant is to evaluate the effect of blueberry polyphenols on the differentiation and activity of osteoclasts and osteoblasts
Role: Co-Investigator