

Huanbiao Mo, PhD
Associate Professor
Department of Nutrition and Food Sciences
314 OMB; (940)898-2712
hmo@mail.twu.edu

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 investigates the cancer chemopreventive activity of dietary isoprenoids, down-regulators of mevalonate pathway activities that provide essential growth-associated intermediates, using cell culture, animal models, and biochemical and molecular biology techniques.

SELECTED PUBLICATIONS (2005-present)

Hussein, D., and **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.

Mo, H., and Elson, C.E. (2008) Role of the mevalonate pathway in tocotrienol-mediated tumor suppression, in *Tocotrienols: vitamin E beyond tocopherols*. Ed R.R. Watson, and V.R. Preedy. CRC Press, Boca Raton, FL.

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, C.E. (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 R.E., 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.

Lansky, E.P., Jiang, W., **Mo, H.**, Bravo, L., Froom, P., Yu, W., Harris, N.M., Neeman, I., and Campbell, M.J. (2005) Possible synergistic prostate cancer suppression by anatomically discrete pomegranate fractions. *Invest. New Drugs* 23:11-20.

GRANTS

USDA Agriculture and Food Research Initiative 01/01/2010 – 12/31/2011
The Impact of *d*- δ -Tocotrienol on Osteoclasts and Osteoblasts
Role: Principal Investigator

USDA Agriculture and Food Research Initiative 01/01/2010 – 12/31/2011
Bone Protective Mechanism of Blueberry Polyphenols
Role: Co-Investigator

Texas Department of Agriculture Food and Fiber Research 09/01/2009 – 08/31/2011
The Impact of Cottonseed and Peanut Extracts on Melanoma Metastasis
Role: Principal Investigator

Texas Department of Agriculture Food and Fiber Research 09/01/2009 – 08/31/2011
Chemopreventive Activity of Geranylgeraniol in Melanoma
Role: Principal Investigator

Texas Department of Agriculture Food and Fiber Research 09/01/2009 – 08/31/2011
Modulation of Adipogenesis by Cottonseed Terpenoids
Role: Principal Investigator