

CURRICULUM VITAE of Dr. Hiu Yee KWAN (hykwan@hkbu.edu.hk)

Academic Qualification:

The Chinese University of Hong Kong, Ph.D. 2006 Physiology

The University of Hong Kong, B.Sc. 1995 Biology

Present Academic Position:

2011-present Research Assistant Professor
School of Chinese Medicine, Hong Kong Baptist University

Previous Academic Position held:

2010-2011 Postdoctoral Research Fellow
School of Chinese Medicine, Hong Kong Baptist University

2007-2008 Postdoctoral Scholar
Department of Nutritional Science and Toxicology, University of California, Berkeley,
U.S.A.

2006-2007 Research coordinator
Department of Physiology, Faculty of Medicine, The Chinese University of Hong Kong

Previous Relevant Research Work:

- (i) Study the cancer and obesity interplay
- (ii) Study the regulation of metabolic gene
- (iii) Identify Chinese herb/isolated single compound with anti-cancer and/or anti-obesity effect
- (iv) Study the involvement of Transient receptor potential (TRP) channel in cancer and/or obesity
- (v) LC/MS analysis of lipids/fatty acids

Selected publications

- 1 **Kwan HY**(*co-corresponding author*), Chao X, Su T, Fu X, Tse AK, Fong WF, Yu ZL. (2013) The anti-cancer and anti-obesity effects of Mediterranean diet. *Crit Rev Food Sci Nutr* (In press).
- 2 **Kwan HY**, Hu YM, Chan CL, Cao HH, Cheng CY, Pan SY, Tse KW, Wu YC, YU ZL, Fong WF. (2013) Lipidomics identification of metabolic biomarkers in chemically-induced hypertriglyceridemic mice. *J Proteome Res* 12(3): 1387-1398.
- 3 **Kwan HY**, Yang ZJ, Fong WF, Hu YM, Yu ZL, Hsiao WL. (2013) The anti-cancer effect of oridonin is mediated by fatty acid synthase suppression in colorectal cancer cells. *J Gastroenterol* 48(2): 182-192.
- 4 Wong RH, Chang I, Hudak CS, Hyun S, **Kwan HY**, Sul HS. (2009) A role of DNA-PK for the metabolic gene regulation in response to insulin. *Cell* 136(6):1056-1072.
- 5 **Kwan HY**, Shen B, Ma X, Kwok YC, Huang Y, Man YB, Yu S, Yao X. (2009) TRPC1 associates with BKca channel to form a signal complex in vascular smooth muscle cells. *Circ Res.* 104(5): 670-678. Erratum in: *Circ Res.* 2009 105(6):e6.
- 6 **Kwan HY**(*corresponding author*), Wong CO, Chen ZY, Chan TW, Huang Y, Yao X. (2009). Stimulation of histamine H2 receptor activates TRPC3 channels through both phospholipase C and phospholipase D. *Eur J Pharmacol* 602(2-3):181-187.
- 7 **Kwan HY**, Huang Y, Yao X. (2006). Protein kinase C can inhibit TRPC3 channels indirectly via stimulating protein kinase G. *J Cell Physiol.* 207(2):315-321.
- 8 **Kwan HY**, Huang Y, Yao X. (2004). Regulation of canonical transient receptor potential isoform 3 (TRPC3) channel by protein kinase G. *Proc Natl Acad Sci U S A.* 101(8):625-630.
- 9 **Kwan HY**, Leung PC, Huang Y, Yao X. (2003). Depletion of intracellular Ca²⁺ stores sensitizes the flow-induced Ca²⁺ influx in rat endothelial cells. *Circ Res.* 92(3):286-292.
- 10 **Kwan HY**, Huang Y, Yao X. (2000). Store-operated calcium entry in vascular endothelial cells is inhibited by cGMP via a protein kinase G-dependent mechanism. *J Biol Chem.* 275(10):6758-6763.

Approved research grants in the capacity of PI:

1. Anti-obesity effect of cinnamon. Research Grants Council, the General Research Funds 2013-2015
2. Anti-obesity effect of schisandrin B. Faculty Research Grant II HKBU 2013-2015
3. Lipidomic-based study of the regulatory role of schisandrin B on fatty acid production in a hepatic steatosis mouse model. Faculty Research Grant II HKBU 2012-2014