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Education

PhD, National Tsing-Hua University, Taiwan
Visiting Scientist, MD Anderson Cancer Center, USA
BS, Taipei Medical University, Taiwan

Expertise

Free Radical Biology and Medicine
Cosmeceuticals
Nutritional Biochemistry and Toxicology

Research Interests

My primary research interest is Bioactivities of Natural Products and Traditional Chinese Herbal Medicine; *Antrodia camphorata* and their Bioactive Constituents for Cancer Chemoprevention; Antioxidants, Anti-aging, Anti-inflammation, Wound healing, and Herbal Cosmeceutics; UVA/B-Induced Skin Damage and Skin Cancer Chemoprevention.

Selected Grants:

- (1) the Ministry of Science and Technology, Taiwan (MOST-109-2320-B-039-057-MY3)
- (2) Chinese Medicine Research Center, China Medical University” from The Featured Areas Research Center Program within the framework of the Higher Education Sprout Project by the Ministry of Education in Taiwan (CMRC-CHM-1).

Selected Publications

- (1) **You-Cheng Hseu**, RW Lin, YC Shen, KY Lin, JW Liao, V Thiyagarajan, HL Yang. Flavokawain B and doxorubicin work synergistically to impede the propagation of gastric cancer cells via ROS-mediated apoptosis and autophagy pathways, *Cancers*. 12 (9), 2475 (IF=6.126)
- (2) **You-Cheng Hseu**, YG Ho, DC Mathew, HR Yen, XZ Chen, Hsin-Ling Yang*. The *in vitro* and *in vivo* depigmenting activity of Coenzyme Q10 through the down-regulation of α -MSH signaling pathways and induction of Nrf2/ARE-mediated antioxidant genes in UVA-irradiated skin keratinocytes. (2019) *Biochemical Pharmacology*, 164, 299-310 (IF=4.96).
- (3) **You-Cheng Hseu**, HJ Cho, V Thiyagarajan, YV Gowrisankar, XZ Chen, KY Lin, H Huang, HL Yang. Kalantuboside B induced apoptosis and cytoprotective autophagy in A2058 human melanoma cells: An *in vitro* and *in vivo* study. (2019) *Free Radical Biology and Medicine*, 143, 397-411 (IF=6.17)
- (4) HL Yang, V Thiyagarajan, PC Shen, DC Mathew, KY Lin, JW Liao, **You-Cheng Hseu***. Coenzyme Q₀ and its *in vivo* and *in vitro* antitumor activity against triple-negative breast cancer cells: inhibition of epithelial–mesenchymal transition and metastasis by modulating the Wnt/ β -catenin signaling pathways. (2019) *Journal of Experimental & Clinical Cancer research*. 38, 186. (IF=7.068)
- (5) **You-Cheng Hseu**, YV Gowrisankar, XZ Chen, YC Yang, HL Yang*. The anti-aging activity of ergothioneine in UVA-irradiated human dermal fibroblasts via the inhibition of the AP-1 pathway and the activation of Nrf2-mediated antioxidant genes. (2020) *Oxidative Medicine and Cellular Longevity*. ID 2576823 (IF=5.076)