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### Education and Experience

Nov. 2014 - present	<b>Assistant Research Fellow</b> , Molecular Medicine Research Center, Chang Gung University, Taiwan
Sep. 2009 - Oct. 2014	<b>Postdoctoral fellow</b> , Molecular Medicine Research Center, Chang Gung University, Taiwan
Aug. 2007 - Jun. 2008	<b>Adjunct Instructor</b> , Department of Food Science and Technology, Central Taiwan University of Science and Technology, Taiwan
Aug. 2004 - Jun. 2008	<b>Ph.D. program</b> , Institute of Biochemistry and Biotechnology, Chung Shan Medical University, Taiwan
Aug. 2002 - Jun. 2004	<b>Master program</b> , Institute of Biochemistry and Biotechnology, Chung Shan Medical University, Taiwan
Sep. 1998 - Jun. 2002	<b>Bachelor program</b> , Department of Medical Technology, Chung Shan Medical University, Taiwan

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### Publications

16. Hsiao YC, Lin SY, Chien KY, Chen SF, Wu CC, Chang YT, Chi LM, Chu LJ, Chiang WF, Chien CY, Chang KP, Chang YS, and Yu JS. (2020 Mar) An immuno-MALDI mass spectrometry assay for the oral cancer biomarker, matrix metalloproteinase-1, in dried saliva spot samples. *Anal Chim Acta* **1100**,

118-130.

17. Chi LM#, Hsiao YC#, Chien KY#, Chen SF, Chuang YN, Lin SY, Wang WS, Chang IY, Yang C, Chu LJ, Chiang WF, Chien CY, Chang YS, Chang KP, and Yu JS. (2020 Jan) Assessment of candidate biomarkers in paired saliva and plasma samples from oral cancer patients by targeted mass spectrometry. *J Proteomics* **211**, 103571.
18. Liu CC, Yu JS, Wang PJ, Hsiao YC, Liu CH, Chen YC, Lai PF, Hsu CP, Fann WC, and Lin CC. (2018 Dec) Development of sandwich ELISA and lateral flow strip assays for diagnosing clinically significant snakebite in Taiwan. *PLoS Negl Trop Dis* 12 **12**, e0007014.
19. Liu CC, Lin CC, Hsiao YC, Wang PJ, and Yu JS. (2018 Sep) Proteomic characterization of six Taiwanese snake venoms: Identification of species-specific proteins and development of a SISCAPA-MRM assay for cobra venom factors. *J Proteomics* **187**, 59-68.
20. Hsiao YC, Chu LJ, Chen YT, Chi LM, Chien KY, Chiang WF, Chang YT, Chen SF, Wang WS, Chuang YN, Lin SY, Chien CY, Chang KP, Chang YS, and Yu JS. (2018 Mar) Variability Assessment of 90 Salivary Proteins in Intraday and Interday Samples from Healthy Donors by Multiple Reaction Monitoring-Mass Spectrometry. *Proteomics Clin Appl* 2 **12**
21. Hsiao YC, Chu LJ, Chen JT, Yeh TS, and Yu JS. (2017 Sep) Proteomic profiling

of the cancer cell secretome: informing clinical research. *Expert Rev Proteomics* 9 **14**, 737-756.

22. Hsiao YC, Chi LM, Chien KY, Chiang WF, Chen SF, Chuang YN, Lin SY, Wu CC, Chang YT, Chu LJ, Chen YT, Chia SL, Chien CY, Chang KP, Chang YS, and Yu JS. (2017 Oct) Development of a Multiplexed Assay for Oral Cancer Candidate Biomarkers Using Peptide Immunoaffinity Enrichment and Targeted Mass Spectrometry. *Mol Cell Proteomics* 10 **16**, 1829-1849.
23. Yu JS#, Chen YT#, Chiang WF#, Hsiao YC#, Chu LJ#, See LC, Wu CS, Tu HT, Chen HW, Chen CC, Liao WC, Chang YT, Wu CC, Lin CY, Liu SY, Chiou ST, Chia SL, Chang KP, Chien CY, Chang SW, Chang CJ, Young JD, Pao CC, Chang YS, and Hartwell LH. (2016 Oct) Saliva protein biomarkers to detect oral squamous cell carcinoma in a high-risk population in Taiwan. *Proc Natl Acad Sci U S A* 41 **113**, 11549-11554.
24. Chen H, Hsiao YC, Chiang SF, Wu CC, Lin YT, Liu H, Zhao H, Chen JS, Chang YS, and Yu JS. (2016 Aug) Quantitative analysis of wild-type and V600E mutant BRAF proteins in colorectal carcinoma using immunoenrichment and targeted mass spectrometry. *Anal Chim Acta* **933**, 144-155.
25. Chiang SF, Kan CY, Hsiao YC, Tang R, Hsieh LL, Chiang JM, Tsai WS, Yeh CY, Hsieh PS, Liang Y, Chen JS, and Yu JS. (2015) Bone Marrow Stromal Antigen 2 Is a Novel Plasma Biomarker and Prognosticator for Colorectal Carcinoma:

A Secretome-Based Verification Study. *Dis Markers* **2015**, 874054.

26. Chen LC, Liu MY, Hsiao YC, Choong WK, Wu HY, Hsu WL, Liao PC, Sung TY, Tsai SF, Yu JS, and Chen YJ. (2013 Jan) Decoding the disease-associated proteins encoded in the human chromosome 4. *J Proteome Res* 1 **12**, 33-44.
  27. Tsai MH, Wu CC, Peng PH, Liang Y, Hsiao YC, Chien KY, Chen JT, Lin SJ, Tang RP, Hsieh LL, and Yu JS. (2012 Feb) Identification of secretory gelsolin as a plasma biomarker associated with distant organ metastasis of colorectal cancer. *J Mol Med (Berl)* 2 **90**, 187-200.
  28. Wong BS#, Hsiao YC#, Lin TW, Chen KS, Chen PN, Kuo WH, Chu SC, and Hsieh YS. (2009 Jul) The in vitro and in vivo apoptotic effects of Mahonia oiwakensis on human lung cancer cells. *Chem Biol Interact* 2 **180**, 165-174.
  29. Chen KS#, Hsiao YC#, Kuo DY, Chou MC, Chu SC, Hsieh YS, and Lin TH. (2009 Feb) Tannic acid-induced apoptosis and -enhanced sensitivity to arsenic trioxide in human leukemia HL-60 cells. *Leuk Res* 2 **33**, 297-307.
  30. Hsiao YC, Kuo WH, Chen PN, Chang HR, Lin TH, Yang WE, Hsieh YS, and Chu SC. (2007 May) Flavanone and 2'-OH flavanone inhibit metastasis of lung cancer cells via down-regulation of proteinases activities and MAPK pathway. *Chem Biol Interact* 3 **167**, 193-206.
- Hsiao YC, Hsieh YS, Kuo WH, Chiou HL, Yang SF, Chiang WL, and Chu SC. (2007 Jan) The tumor-growth inhibitory activity of flavanone and 2'-OH flavanone in

vitro and in vivo through induction of cell cycle arrest and suppression of cyclins and CDKs. *J Biomed Sci* 1 **14**, 107-119.