



**Name** Hsiang-Wen (Margaret) Lin

**Current Positions** Associate Professor

**Telephone**

+886-422053366ext 5151

**E-mail**

[hsiangwl@mail.cmu.edu.tw](mailto:hsiangwl@mail.cmu.edu.tw)

**E-Portfolio Website**

[http://webap.cmu.edu.tw/TchEportfolio/index\\_1/hsiangwl](http://webap.cmu.edu.tw/TchEportfolio/index_1/hsiangwl)

**Personal Website**

### Education

- 2008 Philosophy of Doctor (Ph.D.) in Pharmacy Administration, College of Pharmacy, University of Illinois at Chicago, IL
- 2006 Doctoral Candidate, Department of Pharmacy Administration. University of Illinois at Chicago, Chicago, IL
- 1999 Intensive Care Clinical pharmacist bedside training of Fellowship program in University of Illinois at Chicago
- 1998 Master of Science degree in pharmacy (MS). National Taiwan University, Taipei, Taiwan. Major: Hospital Clinical Pharmacy
- 1996 Bachelor of science degree in pharmacy (B.S) China Medical University, Taichung, Taiwan

### Expertise

- Evidence-based medicine
- Outcomes research (Pharmacoeconomics, Pharmacoepidemiology)
- Psychometric
- Health Service Research
- Clinical Pharmacy and Drug safety
- Geriatric medication use

### Research Interests

Outcomes and translational research (e.g., humanistic outcomes [health-related quality of life]; new drug development and assessment); Health Services Research; Pharmacy Systems Evaluation; Evaluation of Educational and Quality of Care Program on Pharmacy and Medication Use for the Patients and the General public, and Use of Western medications with Chinese medications; Pharmacoepidemiology. Clinical pharmacy practice and research

### Selected Grants:

1. Hsiang-Wen Lin, Chih-Hsueh Lin, Shih-Peng Yeh, Chun-Ru Chien, Tzu-Pei Yeh, Tsai-Chung Li, Te-Chun Hsia, Chia-Ing Li, ow-Wen Hsieh, Chen-Yuan Lin, Yu-Chieh Chen, Liang-Chih Liu, Chin-Chi Kuo, MOST 109-2320-B-039-023. Adding patient-reported outcome measures (PROM) into clinical practice – using cancer patients with new technology medications as an example. MOST grant \$1300000 · 2020.8.1 ~ 2021.7.31
2. Hsiang-Wen Lin, Ministry of Education Teaching Practice Research Program, Learning medication counseling and drug information analysis and application through conducting the case exploration and evaluation · \$365700 · 2020.8.1 ~ 2021.7.31 10971703

### Selected Publications

1. Thao T.B. Cao, Wu KC, Hsu JL, Chang CS, Chou C, Lin CY, Liao YM, Lin PC, Yang LY, **Lin HW\*** · Effects of non-insulin anti-hyperglycemic agents on gut microbiota: A systematic review on human and animal studies · *Frontiers in Endocrinology* · 2020 Sep · 11(573891): · SCI
2. **Lin HW\***, Chang EH, Ko Y, Wang CY, Wang YS, Mafruhah OR, Wu SH, Chen YC, Huang YM\*, Conceptualization, Development and Psychometric Evaluations of a New Medication-Related Health Literacy Instrument: The Chinese Medication Literacy Measurement · *International Journal of Environmental Research and Public Health* · 2020 Sep · 17(19):6951 · SCI
3. **Lin HW**, Yang LC, Mafruhah OR, Hanh T.H. Nguyen, Thao T.B. Cao, Yam F.K., Evolution of Clinical Pharmacy Practice and Pharmacy Education in Taiwan, Vietnam and Indonesia: A Narrative Review. *Journal of The American College of Clinical Pharmacy* 2020;3:947–958.
4. Shapiro NL, **Lin HW**, Lau A. Creation and delivery of a clinical pharmacy practice and education program for international participants in the United States. *Journal of The American College of Clinical Pharmacy* (Accepted)

5. **Lin HW**, Lai KC, Lin CH, Review of Potentially Inappropriate Medication in the Elderly, *The Journal of Long-Term Care*, 2019; 23 (2) (DOI:10.6317/LTC.201910\_23(2).0001)
6. Yao SH, Tsai HT, Lin WL, Chen YC, Chou C, **Lin HW\***, Predicting digoxin serum concentration for babies in neonatal intensive care unit through an artificial neural network. *BMC Pediatr* **19**, 517 (2019) doi:10.1186/s12887-019-1895-7
7. **Lin HW**, Deng Y, Wu SH, Li LJ, Wang Y, Penm J, Lin AC\*, Systematic review and meta-analysis of medication administration errors after implementing bar-coded medication administration system. (submitted)
8. **Lin HW**, Li CI, Lin FJ, Chang JY, Gau CS, Luo N, Pickard, A.S., Ramos Gofii JM, Tang CH, Hsu CN, Valuation of the EQ-5D-5L in Taiwan. *PLoS One*, 2018 December, 13(12):e0209344
9. Li JH, Feng LY, Lee HH, Lee SS, Wu CH, Huang YB, Tarn YH, Huang HS, **Lin HW**, Fang YP. The Core issues and future of pharmacy education and approach to the reform of pharmacy education in Taiwan (III) , *The Journal of Taiwan Pharmacy* , 2018,34(4):149-157
10. Hsu CN, **Lin HW**, Pickard AS, Tain YL, EQ-5D-Y for the assessment of health-related quality of life among Taiwanese youth with mild-to-moderate chronic kidney disease. *International Journal for Quality in Health Care*, 2018; 30(4):298-305. doi: 10.1093/intqhc/mzy011.
11. Tsai HH, **Lin HW\***, Tsai CL, Yam FK, Lin SS. Uncertain associations of major bleeding and concurrent use of antiplatelet agents and Chinese medications: A nested case-crossover study. *Evidence-Based Complementary and Alternative Medicine. Evidence-Based Complementary and Alternative Medicine*,2017, Article ID 9417186, 9 pages. <https://doi.org/10.1155/2017/9417186>
12. Yeh YC, **Lin HW (Co-first)**, Chang EH, Huang YM, Chen YC, Wang CY, Liu JW, Ko Y.\* , Development and validation of a Chinese medication literacy measure, *Health Expectations* ,2017; 20:1296-1301
13. **Lin HW\***, Simonavice CA, Lu CR\*, Lin WL, Wu PL, Chou CY, Liao CH, Lane HY, Severe Hypertriglyceridemia Secondary to Venlafaxine Use in an older adult on dialysis case report, *BMC Health Services Research*, 2017;17(1):272
14. **Lin HW\***,Lin CH, Chang CK, Chou CY, Yu IW, Lin CC, Li TC, Li CI, Hsieh YW, Economic Outcomes of Pharmacist-Physician Medication Therapy Management for Polypharmacy Elderly: A Prospective, Randomized, Controlled Trial, *Journal of Formosan Medical Association*, 2018 ; 117:235-243