

Hui-Fen Chiu , PhD

Dept. of Pharmacology
School of Medicine
Kaohsiung Medical University
100 Shih-Chuan 1st Road
Kaohsiung 807, Taiwan
Tel: (O) +886-7-3121101 ext. 2307
Fax:(O) +886-7-3234686
E-mail: chiu358@yahoo.com.tw



Education

1974-1978 BS, School of Pharmacy, Kaohsiung Medical College

1978-1980 MS, Graduate Institute of Medicine, Kaohsiung Medical College

1984-1988 Ph.D. Institute of Medicine, Kaohsiung Medical College

Experiences

1. 2004/08- present Professor at Department of Pharmacology, Kaohsiung Medical University, Kaohsiung, Taiwan
2. 1988~2004 Associate Professor, Department of Pharmacology, Kaohsiung Medical College
3. 1980~1988 Lecturer at Department of Pharmacology, Kaohsiung Medical University, Kaohsiung, Taiwan

Research Interests

- (1) Anthraquinone anticancer new drug development
- (2) Endocannabinoids Pharmacology
- (3) Anticancer Chinese Herb Pharmacology
- (4) Research on drug epidemiology
- (5) Clinical pharmacology and environmental toxicology

Publication Lists (2010~Present)

1. Tsai SS, **Chiu HF**, Yang CY*. Ambient Air Pollution and Hospital Admissions for Peptic Ulcers in Taipei: A Time-Stratified Case-Crossover Study. Int J Environ Res Public Health. 2019 May 30;16(11).
2. Yang CY, Huang YT, **Chiu HF***. Does ambient ozone air pollution trigger suicide attempts? A case cross-over analysis in Taipei. J Toxicol Environ Health A. 2019;82(10):638-644.

3. Ou YJ, **Chiu HF**, Wong YH, Yang CC, Yang YH. Bisphosphonate use and the risk of breast cancer: a meta-analysis of observational studies. *Pharmacoepidemiol Drug Saf.* 2017 Oct; 26(10):1286-1295.
4. **Chiu HF**, Tsai SS, Yang CY. Short-term effects of fine particulate air pollution on hospital admissions for hypertension: A time-stratified case-crossover study in Taipei. *J Toxicol Environ Health A.* 2017; 80(5):258-265.
5. **Chiu HF**, Weng YH, Chiu YW, Yang CY. Short-term effects of ozone air pollution on hospital admissions for myocardial infarction: A time-stratified case-crossover study in Taipei. *J Toxicol Environ Health A.* 2017; 80(5):251-257.
6. Cheng MH, Wong YH, Chang CM, Yang CC, Chen SH, Yuan CL, Kuo HM, Yang CY, **Chiu HF**. B1, a novel HDAC inhibitor, induces apoptosis through the regulation of STAT3 and NF- κ B. *Int J Mol Med.* 2017 May; 39(5):1137-1148.
7. **Chiu HF**, Chen BK, Yang CY. Parity, Age at First Birth, and Risk of Death from Bladder Cancer: A Population-Based Cohort Study in Taiwan. *Int J Environ Res Public Health.* 2016 Dec 2;13(12).
8. Chen CC, **Chiu HF**, Yang CY. Air pollution exposure and daily clinical visits for allergic rhinitis in a subtropical city: Taipei, Taiwan. *J Toxicol Environ Health A.* 2016; 79(12):494-501.
9. Chen BK, **Chiu HF**, Yang CY. Statins are Associated With a Reduced Risk of Brain Cancer: A Population-Based Case-Control Study. *Medicine (Baltimore).* 2016 Apr; 95(17):e3392.
10. Cheng MH, **Chiu HF**, Yang CY. The Effects of Coarse Particles on Daily Mortality: A Case-Crossover Study in a Subtropical City, Taipei, Taiwan. *Int J Environ Res Public Health.* 2016 Mar 22; 13(3).
11. Cheng MH, **Chiu HF**, Yang CY. Coarse Particulate Air Pollution Associated with Increased Risk of Hospital Admissions for Respiratory Diseases in a Tropical City, Kaohsiung, Taiwan. *Int J Environ Res Public Health.* 2015 Oct 16; 12(10):13053-68.
12. Chang CC, **Chiu HF**, Yang CY. Fine particulate air pollution and outpatient department visits for headache in taipei, taiwan. *J Toxicol Environ Health A.* 2015; 78(8):506-15.
13. **Chiu HF**, Yang CY. Air pollution and daily clinic visits for migraine in a subtropical city: Taipei, Taiwan. *J Toxicol Environ Health A.* 2015; 78(9):549-58.
14. Chang CC, **Chiu HF**, Yang CY. Fine particulate air pollution and outpatient department visits for headache in Taipei, Taiwan. *J Toxicol Environ Health A.* 2015; 78(8):506-15.
15. **Chiu HF**, Weng YH, Chiu YW, Yang CY. Air pollution and daily clinic visits for headache in a subtropical city: Taipei, Taiwan. *Int J Environ Res Public Health.* 2015 Feb 17; 12(2):2277-88.

16. Chan TF, Wu CH, **Chiu HF**, Yang CY. Parity and risk of death from gallbladder cancer among a cohort of premenopausal parous women in Taiwan. *Int J Environ Res Public Health*. 2015 Feb 5; 12(2):1864-73.
17. Chen CC, **Chiu HF**, Yang CY. Parity, age at first birth, and risk of death from asthma: evidence from a cohort in taiwan. 2014 Jun 11;11(6):6147-55.
18. Cheng MH, Chen CC, **Chiu HF**, Yang CY. Fine particulate air pollution and hospital admissions for asthma: a case-crossover study in Taipei. *J Toxicol Environ Health A*. 2014; 77(18):1075-83.
19. Tsai SS, **Chiu HF**, Liou SH, Yang CY. Short-term effects of fine particulate air pollution on hospital admissions for respiratory diseases: a case-crossover study in a tropical city. *J Toxicol Environ Health A*. 2014; 77(18):1075-83.
20. **Chiu HF**, Chang CC, Yang CY. Relationship between hemorrhagic stroke hospitalization and exposure to fine particulate air pollution in Taipei, Taiwan. *J Toxicol Environ Health A*. 2014; 77(19):1154-63.
21. **Chiu HF**, Kuo CC, Kuo HW, Lee IM, Yang CY. Parity, age at first birth and risk of death from kidney cancer: a population-based cohort study in Taiwan. *Eur J Public Health*. 2014 Apr; 24(2):249-52.
22. Liao YH, Chen PS, **Chiu HF**, Yang CY. Magnesium in drinking water modifies the association between nitrate ingestion and risk of death from esophageal cancer. *J Toxicol Environ Health A*. 2013; 76(3):192-200.
23. Chan TF, **Chiu HF**, Wu CH, Lin CL, Yang CY. Statin use and the risk of esophageal cancer: a population-based case-control study. *Expert Opin Drug Saf*. 2013 May; 12(3):293-8.
24. **Chiu HF**, Chen BK, Yang CY. Herpes zoster and subsequent risk of cancer: a population-based study. *J Epidemiol*. 2013; 23(3):205-10.
25. **Chiu HF**, Tsai SS, Weng HH, Yang CY. Short-term effects of fine particulate air pollution on emergency room visits for cardiac arrhythmias: a case-crossover study in taipei. *J Toxicol Environ Health A*. 2013 May; 76(10):614-23.
26. Tsai SS, **Chiu HF**, Yang CY. Trihalomethanes in drinking water and the risk of death from esophageal cancer: does hardness in drinking water matter? *J Toxicol Environ Health A*. 2013; 76(2):120-30.
27. Cheng MH, **Chiu HF**, Tsai SS, Chen CC, Yang CY. Calcium and magnesium in drinking-water and risk of death from lung cancer in women. *Magnes Res*. 2012 Jul-Sep; 25(3):112-9.
28. **Chiu HF**, Chen CC, Tsai SS, Ho SC, Yang CY. Parity, age at first birth, and risk of death from brain cancer: a population-based cohort study in Taiwan. *BMC Public Health*. 2012 Oct 9; 12:857.
29. Kuo CC, **Chiu HF**, Lee IM, Kuo HW, Lee CT, Yang CY. Statin use and the risk of bladder cancer: a population-based case-control study. *Expert Opin Drug Saf*. 2012 Sep;

- 11(5):733-8.
30. **Chiu HF**, Kuo CC, Kuo HW, Lee IM, Lee CT, Yang CY. Statin use and the risk of kidney cancer: a population-based case-control study. *Expert Opin Drug Saf.* 2012 Jul; 11(4):543-9.
 31. Kuo CC, **Chiu HF**, Lee IM, Kuo HW, Lee CT, Yang CY. Statin use and the risk of bladder cancer: a population-based case-control study. *Expert Opin Drug Saf.* 2012 Sep; 11(5):733-8.
 32. Liao YH, Chen CC, Chang CC, Peng CY, **Chiu HF**, Wu TN, Yang CY. Trihalomethanes in drinking water and the risk of death from kidney cancer: does hardness in drinking water matter? *J Toxicol Environ Health A.* 2012 Mar 15; 75(6):340-50.
 33. Cheng MH, **Chiu HF**, Ho SC, Yang CY. Statin use and the risk of female lung cancer: A population-based case-control study. *Lung Cancer.* 2012 Sep 27; 75(3):275-9.
 34. **Chiu HF**, Chen CC, Kuo HW, Lee IM, Wu TN, Yang CY. Statin use and the risk of gallstone disease: a population-based case-control study. *Expert Opin Drug Saf.* 2012 May; 11(3):369-74.
 35. Chang CC, Chiu JJ, Chen SL, Huang HC, **Chiu HF**, Lin BH, Yang CY. The activation of HGF/c-Met signaling by ultrafine carbon particles and its contribution to alveolar type II cell proliferation. *Am J Physiol Lung Cell Mol Physiol.* 2012 Apr; 302(8): L755-63.
 36. Hung LJ, Chan TF, Wu CH, **Chiu HF**, Yang CY. Traffic air pollution and risk of death from ovarian cancer in Taiwan: fine particulate matter (PM_{2.5}) as a proxy marker. *J Toxicol Environ Health A.* 2012 Feb 1; 75(3):174-82.
 37. **Chiu HF**, Tsai SS, Chen PS, Wu TN, Yang CY. Does calcium in drinking water modify the association between nitrate in drinking water and risk of death from colon cancer? *J Water Health.* 2011 Sep; 9(3):498-506.
 38. Cheng MH, **Chiu HF**, Ho SC, Yang CY. Statin use and the risk of female lung cancer: A population-based case-control study. *Lung Cancer.* 2012 Mar; 75(3):275-9.
 39. Chang CC, Chen CY, **Chiu HF**, Dai SX, Liu MY, Yang CY. Elastases from inflammatory and dendritic cells mediate ultrafine carbon black induced acute lung destruction in mice. *Inhal Toxicol.* 2011 Aug; 23(10):616-26.
 40. **Chiu HF**, Ho SC, Chang CC, Wu TN, Yang CY. Statins Are Associated With a Reduced Risk of Gastric Cancer: A Population-Based Case-Control Study. *Am J Gastroenterol.* 2011 Dec; 106(12):2098-103.
 41. **Chiu HF**, Tsai SS, Chen PS, Liao YH, Liou SH, Wu TN, Yang CY. Traffic air pollution and risk of death from gastric cancer in Taiwan: petrol station density as an indicator of air pollutant exposure. *J Toxicol Environ Health A.* 2011 Sep 15; 74(18):1215-24.

42. **Chiu HF**, Chang CC, Ho SC, Wu TN, Yang CY. Statin use and the risk of pancreatic cancer: a population-based case-control study. *Pancreas*. 2011 Jul; 40(5): 669-72.
43. Chang CC, Ho SC, **Chiu HF**, Yang CY. Statins increase the risk of prostate cancer: A population-based case-control study. *Prostate*. 2011 Dec; 71(16):1818-24.
44. Chang CC, Chen CC, **Chiu HF**, Yang CY. Higher parity associated with higher risk of death from gastric cancer. *World J Gastroenterol*. 2011 Feb 14; 17(6):784-8.
45. **Chiu HF**, Ho SC, Chen CC, Yang CY. Statin use and the risk of liver cancer: a population-based case-control study. *Am J Gastroenterol*. 2011 May; 106(5):894-8.
46. **Chiu HF**, Chang CC, Chen CC, Yang CY. Calcium and magnesium in drinking water and risk of death from kidney cancer. *J Toxicol Environ Health A*. 2011; 74(1):62-70.
47. **Chiu HF**, Tsai SS, Wu TN, Yang CY. Effect modification of the association between trihalomethanes and pancreatic cancer by drinking water hardness: evidence from an ecological study. 2010; *Environ Res*. 110(5):513-8.
48. **Chiu HF**, Tsai SS, Wu TN, Yang CY. Colon cancer and content of nitrates and magnesium in drinking water. 2010; *Magnes Res*. 23(2):81-9.
49. Chang CC, **Chiu HF**, Yang CY. Parity, age at first birth, and risk of death from pancreatic cancer: evidence from a cohort in Taiwan. 2010; *Pancreas*. 2010 Jul; 39(5):567-71.

Conference Papers

1. Wei-Tung Lin, Yun-Hong Wong, Valens Munyembaraga, Yu-Chieh Lin, Chun-Chien Yang^{1,2}, Yung-Chia Chen, Yu-Chiao Yang, Show-Jan Hong, **Hui-Fen Chiu***. (2018) Fucoidan Induced Cell Apoptosis may through Generation of ROS and Disruption of Mitochondrial Membrane Potential in Human Renal Cancer Cells. The 33th Joint Annual Conference of Biomedical Science, Taipei, Taiwan. (Poster)
2. Chun-Chien Yang, Chia-Ming Chang, Yun-Hong Wong, Meng-Hsuan Cheng, Yu-Chiao Yang, Hsiao-Mei Kuo, Chun-Lung Yuan, Show-Jen Hong, **Hui-Fen Chiu***. 18th World Congress of Basic and Clinical Pharmacology (WCP 2018). Japan/Kyoto. (Poster)
3. Yu-Chieh Lin, Yun-Hong Wong, Valens Munyembaraga, Wei-Tung Lin¹, Yung-Chia Chen, Yu-Chiao Yang, **Hui-Fen Chiu***. (2018) Fucoidan Induced Apoptosis may through STAT3 and NF- κ B Regulation in Human Lung Cancer Cells. The 33th Joint Annual Conference of Biomedical Science, Taipei, Taiwan. (Poster)
4. Wong YH, Cheng MH, Yang CC, Chu YC, Lin YC, Ou YJ, Lin WT, Chen SH, Chiang YW, Chang CM, Yu TH, Kuo HM, **Chiu HF***. (2017) Bullatacin Induces Cell Cycle Arrest and Apoptosis in Human Hepatoma Cell may through the Modulation of JAK2 and STAT3. 16th Meeting of the Consortium for Globalization of Chinese Medicine. China/Guangzhou (Poster)

5. Chu YC, Wong YH, Lin YC, Cheng MH, Yang CC, Ou YJ, Lin WT, Tian YH, Kuo HM, Chung MI, **Chiu HF***. (2017) Fucoidan Induced Cell Cycle Arrest in Human Hepatoma Cells May through the Regulation of STAT3. 16th Meeting of the Consortium for Globalization of Chinese Medicine. China/Guangzhou (Poster)
6. Lin YC, Chang CM, Cheng MH, Yang CC, Wong YH, Yuan CL, Kuo HM, **Chiu HF***. (2016) Fucoidan, an extract from brown seaweed, attenuates migration and induces apoptotic cell death in A549 lung cancer cells. 15th Meeting of Consortium for Globalization of Chinese Medicine. Taiwan/Taipei (Poster)
7. Yang CC, Chang CM, Wong YH, Cheng MH, Yang YC, Kuo HM, Yuan CL, Hong SJ, Chen CY, **Chiu HF***. (2016) Anandamide Induced Human Hepatoma Cells death through the DNA Damage and Apoptosis Induction. 15th Meeting of Consortium for Globalization of Chinese Medicine. Taiwan/Taipei (Poster)
8. Wong YH, Cheng MH, Yang CC, Chang CM, Lin YC, Yuan CL, Kuo HM, **Chiu HF***. (2016) The Effect of C-Phycocyanin on Cell Cycle Arrest and Apoptosis Induction through the Regulation of STAT3 and NFκB in Human Hepatoma Cells. 15th Meeting of Consortium for Globalization of Chinese Medicine. Taiwan/Taipei (Poster)
9. Yang CC, Chang CM, Wong YH, Cheng MH, Yang YC, Kuo HM, Yuan CL, Hong SJ, Chen CY, **Chiu HF***. (2016) Anandamide induced autophagy and apoptosis in human hepatoma cells. The 31th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)
10. Yang CC, Chang CM, Lee CW, Wu KH, Wong YH, Cheng MH, Yang YC, Kuo HM, Yuan CL, Hong SJ, Chen CY, **Chiu HF***. (2015) Anandamide Induced Cell Cycle arrest through the DNA Damage and inhibition of telomerase activity in Human Hepatoma Cells. The 30th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)
11. Yang CC, Chang CM, Chen CY, Wong YH, Cheng MH, Lin TH, Yang YC, Kuo HM, Yuan CL, Hong SJ, **Chiu HF***. (2015) Anandamide Induced Apoptosis through the ROS Generation and DNA Damage in Human Hepatoma Cells. The 29th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)
12. Chen CY, Chang CM, Yang CC, Wong YH, Cheng MH, Yu TH, Yang YC, Yuan CL, Kuo HM, Hong SJ, **Chiu HF***. (2014) C-phycocyanin induced Anti-proliferation and Angiogenesis Repression in Human Hepatoma Cell. The 29th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)
13. Chang CM, Chen CY, Yang CC, Wong YH, Cheng MH, Yang IN, Yang YC, Yuan CL, Kuo HM, Hong SJ, **Chiu HF***. (2014) B7, A Novel Anthraquinone Derivative, Cause Cell Cycle G1 Arrest through Cyclin D/E and Cyclin Dependent Kinases 2/4 (CDK 2/4) inhibition in Human Hepatoma Cells. The 29th Joint Annual Conference of Biomedical Sciences.

Taiwan/Taipei (Poster presentation)

14. Cheng MH, Chang CM, Chen CY, Yang CC, Liao KH, Wong YH, Chen SH, Yang YC, Yuan CL, Kuo HM, Hong SJ, **Chiu HF***. (2014) B1, A Novel Telomerase Inhibitor, Induces DNA Double Strand Break and Represses Angiogenesis in Human Lung Cancer Cells. The 29th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)
15. Chiang YW, Chen SH, Chang CM, Wong YH, Cheng MH, Chen CY, KH Liao, Yang CC, Yang YC, Yuan CL, Kuo HM, Hong SJ, **Chiu HF***. (2013) Bullatacin Induces Apoptosis Through the Regulation of Fas, Caspase8/9 and Bax/Bcl-2 Protein Expression in Human Hepatoma Cell. The 28th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)
16. Yang CC, Yang YC, Cheng MH, Wong YH, Chen SH, Chiang YW, Chang CM, Chen CY, Kuo HM, Yuan CL, **Chiu HF***. (2013) The Regulation of the STAT3 in AEA Induced Hepatoma Cell Apoptosis. The 28th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)
17. Wong YH, Yang YC, Lee CY, Cheng MH, Yang CC, Chen SH, Chang CM, Yuan CL, Kuo HM, Wang FJ, **Chiu HF***. (2012) The Anti-proliferation and Anti-angiogenesis Effects of Fuoidan in Cancer Cells. The 27th Joint Annual Conference of Biomedical Sciences. Taiwan/Taipei (Poster presentation)
18. Yang CY, Tsai SS, Chang CC, **Chiu HF**. (2012) Effect modification of the association between trihalomethanes and pancreatic cancer by drinking water hardness: Evidence from an ecological study. 24th International Society for Environmental Epidemiology (ISEE) conference. United States of America/Columbia, South Carolina (Poster presentation)

RESEARCH PROJECTS

Project Name	Duration	Funding Sources
新型小分子 anthraquinone 衍生物之細胞週期及程式死亡訊息標靶活性之研究	2010/8/1~2013/7/31	Ministry of Science and Technology
植物水萃取之育髮活性評估	2014/10/10~2017/1/31	Industry-university cooperative research project
植物萃取物之毒性試驗	2015/12/01~2017/12/31	Industry-university cooperative research project
植物水萃取之抗癌活性與毒性之評估	2017/6/15~2018/12/31	Industry-university cooperative research project

牛樟木培育之牛樟菇酒精萃取物生物活性與 毒性之評估	107/06/20 ~ 109/06/30	Industry-university cooperative research project
------------------------------	--------------------------	--