

- **Name / Position**

Wu, Yu-Tse Assistant Professor

- **Office Address :**

School of Pharmacy

College of Pharmacy

Kaohsiung Medical University

100, Shih-Chuan 1<sup>st</sup> Rd. Kaohsiung, Taiwan, 807

- **E-mail :** ytwu@kmu.edu.tw

- **Tel :** 886-7-3121101 ext. 2254

- **Fax :** 886-7-3210683



- **Teaching Courses**

1. Pharmaceutical Physical Chemistry
2. Pharmaceutical Dosage Forms
3. Industrial Pharmacy
4. Industrial Pharmacy Laboratory
5. Clinical Techniques
6. Special Topics on Research Methodology
7. Special Topics on Pharmaceutics
8. Special Topics on Solid Dosage Forms

- **The Highest Education Degree**

Ph.D. in Traditional Medicine, National Yang-Ming University

- **Personal Experiences**

1. Researcher, Biomedical Technology and Device Research Laboratories, Industrial Technology Research Institute (ITRI) of Taiwan
2. Assistant Professor, Institute of Traditional Medicine, National Yang-Ming University
3. Assistant Researcher, Department of Education and Research, Taipei City Hospital
4. Postdoc fellow, National Yang-Ming University

- **Research Area**

1. Preclinical pharmacokinetics (In-vivo ADME, drug-drug interaction)
2. HPLC-based bioanalytical method development
3. Drug delivery system design

- **Recent Publications**

- 1 **Wu, Y. T.;** Lin, L. C.; Tsai, T. H., Determination of rhynchophylline and hirsutine in rat plasma by UPLC-MS/MS after oral administration of *Uncaria rhynchophylla* extract. *Biomed Chromatogr* **2014**, 28, 439-45.
- 2 Wu, M. T.; Shaw, L. H.; **Wu, Y. T.;** Tsai, T. H., Interaction of acupuncture and electroacupuncture on the pharmacokinetics of aspirin and the effect of brain blood flow in

- rats. *Evidence-based complementary and alternative medicine : eCAM* **2013**, *2013*, 670858.
- 3 Hsueh, T. Y.; **Wu, Y. T.**; Lin, L. C.; Chiu, A. W.; Lin, C. H.; Tsai, T. H., Herb-drug interaction of *Epimedium sagittatum* (Sieb. et Zucc.) maxim extract on the pharmacokinetics of sildenafil in rats. *Molecules* **2013**, *18*, 7323-35.
  - 4 Lin, L. C.; Li, S. H.; **Wu, Y. T.**; Kuo, K. L.; Tsai, T. H., Pharmacokinetics and urine metabolite identification of dehydroevodiamine in the rat. *J Agric Food Chem* **2012**, *60*, 1595-604.
  - 5 Chien, C. F.; **Wu, Y. T.**; Tsai, T. H., Biological analysis of herbal medicines used for the treatment of liver diseases. *Biomed Chromatogr* **2011**, *25*, 21-38.
  - 6 **Wu, Y. T.**; Lin, C. W.; Lin, L. C.; Chiu, A. W.; Chen, K. K.; Tsai, T. H., Analysis of biliary excretion of icariin in rats. *J Agric Food Chem* **2010**, *58*, 9905-11.
  - 7 **Wu, Y. T.**; Kao, Y. L.; Lin, L. C.; Tsai, T. H., Effects of a P-glycoprotein modulator on the pharmacokinetics and distribution of free levobupivacaine and bupivacaine in rats. *Int J Pharm* **2010**, *396*, 127-33.
  - 8 **Wu, Y. T.**; Huang, C. M.; Lin, C. C.; Ho, W. A.; Lin, L. C.; Chiu, T. F.; Tarng, D. C.; Lin, C. H.; Tsai, T. H., Oral bioavailability, urinary excretion and organ distribution of melamine in Sprague-Dawley rats by high-performance liquid chromatography with tandem mass spectrometry. *J Agric Food Chem* **2010**, *58*, 108-11.
  - 9 **Wu, Y. T.**; Lin, L. C.; Tsai, T. H., Measurement of free hydroxytyrosol in microdialysates from blood and brain of anesthetized rats by liquid chromatography with fluorescence detection. *J Chromatogr A* **2009**, *1216*, 3501-7.
  - 10 **Wu, Y. T.**; Huang, C. M.; Lin, C. C.; Ho, W. A.; Lin, L. C.; Chiu, T. F.; Tarng, D. C.; Lin, C. H.; Tsai, T. H., Determination of melamine in rat plasma, liver, kidney, spleen, bladder and brain by liquid chromatography-tandem mass spectrometry. *J Chromatogr A* **2009**, *1216*, 7595-601.