

- **Name/Position**
Chun-Chi Wang/Assistant professor
- **Office Address:**
School of Pharmacy
College of Pharmacy
Kaohsiung Medical University
100, Shih-Chuan 1st Rd. Kaohsiung, Taiwan, 807
- **E-mail:** chunchi0716@cc.kmu.edu.tw
- **Tel:** 886-7-3121101 ext. 2253
- **Fax:** 886-7-3210683

- **Teaching Courses:**
Pharmaceutical Analysis
Instrumental Analysis
Analytical Chemistry
Genetic Analysis
Synthesis and Application of Nanoparticles

- **The Highest Education Degree:**
Pharm. D in School of Pharmacy, Kaohsiung Medical University, Kaohsiung, Taiwan
- **Personal Experiences**
2017.02~ present — Assistant professor, School of Pharmacy, Kaohsiung Medical University
2016.08~2017.01 — Postdoctoral Fellow, School of Pharmacy, Kaohsiung Medical University
2015.08~2016.07 — Postdoctoral Fellow, Department of Chemistry, National Taiwan University
2012.02~2012.07 — Lector, Department of Chemistry, National Kaohsiung Normal University
2011.08~2015.07 — Postdoctoral Fellow, School of Pharmacy, Kaohsiung Medical University
2009.07~2010.03 — Postdoctoral Fellow, School of Pharmacy, Kaohsiung Medical University

- **Association:**
Chinese Chemical Society

● **Award:**

1. Excellent Postdoctoral Researcher Award in 2014
2. Excellent Paper Award in 2014 Annual Symposium of the Pharmaceutical Society of Taiwan
3. Excellent Paper Award in 2013 Annual Symposium of the Pharmaceutical Society of Taiwan
4. Ministry of Economic Affairs Industrial Bureau-Biotechnology R&D Results Creative Application Competition in 2009

● **Research Area:**

Development of Capillary Electrophoresis Technique for Separation of Small or Large Molecules

Design of Specific Probes or Primers for genetic analysis

Synthesis and Application of Nanoparticles

● **Recent Publications:**

1. **Chun-Chi Wang**, Shou-Mei Wu, Hung-Wen Li*, Huan-Tsung Chang*, Biomedical Applications of DNA-Conjugated Gold Nanoparticles, **ChemBioChem** **2016**, 17, 1052-1062.
2. Yen-Ling Chen, Yu-Chen Huang, **Chun-Chi Wang***, Direct assay of uroporphyrin and coproporphyrin in human urine by reverse-mode field amplified sample injection-sweeping and micellar electrokinetic chromatography, **Talanta** **2015**, 143, 27-34.
3. Chung-An Chen, **Chun-Chi Wang**, Yuh-Jyh Jong, Shou-Mei Wu, Label-Free Fluorescent Copper Nanoclusters for Genotyping of Deletion and Duplication of Duchenne Muscular Dystrophy, **Anal. Chem.** **2014**, 87, 6228-6232.
4. Jing-Rou Syu, **Chun-Chi Wang**, Yuh-Jyh Jong, Shou-Mei Wu, Genotyping of exons 1 to 20 in Duchenne muscular dystrophy by universal multiplex PCR and short-end capillary electrophoresis, **Electrophoresis** **2014**, 35, 3387-3394.
5. Tzu-Yu Pan, **Chun-Chi Wang**, Chi-Jen Shih, Hui-Fen Wu, Shyh-Shin Chiou, Shou-Mei Wu, Genotyping of intron 22 inversion of factor VIII gene for diagnosis of hemophilia A by inverse-shifting polymerase chain reaction and capillary electrophoresis, **Anal. Bioanal. Chem.** **2014**, 406, 5447-5454.
6. Tzu-Yu Pan, Shyh-Shin Chiou, **Chun-Chi Wang**, Shou-Mei Wu, Separation of intron 22 inversion type 1 and 2 of hemophilia A by modified inverse-shifting polymerase chain reaction and capillary gel electrophoresis, **Talanta** **2014**, 130, 328-335.
7. Chung-An Chen, **Chun-Chi Wang**, Yen-Ling Chen, Yuh-Jyh Jong, Shou-Mei Wu, A “turn on/off” scorpion biosensor targeting point mutation of *SMN* genes for diagnosis of

spinal muscular atrophy, **Chem. Commun.** **2014**, 50, 8069-8072.

8. **Chun-Chi Wang**, Chi-Jen Shih, Yuh-Jyh Jong, Shou-Mei Wu*, Universal fluorescent tri-probe ligation equipped with capillary electrophoresis for targeting SMN1 and SMN2 genes in diagnosis of spinal muscular atrophy, **Anal. Chim. Acta.** **2014**, 833, 40-47.
9. Sung-Yu Hsieh, **Chun-Chi Wang**, Shou-Mei Wu*, Microemulsion electrokinetic chromatography for analysis of phthalates in soft drinks, **Food Chemistry** **2013**, 141, 3486-3491.
10. **Chun-Chi Wang**, Chia-Chia Lu, Yen-Ling Chen, Hui-Ling Cheng, Shou-Mei Wu*, Chemometric optimization of cation-selective exhaustive injection sweeping micellar electrokinetic chromatography for quantification of ractopamine in porcine meat, **J. Agric. Food Chem.** **2013**, 61, 5914-5920.
11. Yu-Hsiang Ho, **Chun-Chi Wang**, Yu-Tzu Hsiao, Wei-Kung Ko, Shou-Mei Wu*, Analysis of ten abused drugs in urine by large volume sample stacking–sweeping capillary electrophoresis with an experimental design strategy, **J. Chromatogr. A.** **2013**, 1295, 136-141.
12. **Chun-Chi Wang**, Shu-Fang Cheng, Hui-Ling Cheng, Yen-Ling Chen, Analysis of anabolic androgenic steroids in urine by full-capillary sample injection combined with a sweeping CE stacking method, **Anal. Bioanal. Chem.** **2013**, 405, 1969-1976.
13. Yan-Yu Lin, **Chun-Chi Wang**, Yu-Hsiang Ho, Cheng-Sheng Chen, Shou-Mei Wu, Analysis of carbamazepine and its five metabolites in serum by large-volume sample stacking–sweeping capillary electrophoresis, **Anal. Bioanal. Chem.** **2013**, 405, 259-266.
14. **Chun-Chi Wang**, Kun-Hsien Chao, Yen-Ling Chen, Jan-Gowth Chang, Shou-Mei Wu, Capillary electrophoretic genotyping of epidermal growth factor receptor for pharmacogenomic assay of lung cancer therapy, **J. Chromatogr. A.** **2012**, 1256, 276-279.
15. **Chun-Chi Wang**, Jia-Ling Chen, Yen-Ling Chen, Hui-Ling Cheng, Shou-Mei Wu, A novel stacking method of repetitive large volume sample injection and sweeping MEKC for determination of androgenic steroids in urine, **Anal. Chim. Acta.** **2012**, 744, 99-104.
16. Tsai-Ching Chou, Yung-Shun Su, Shou-Mei Wu, **Chun-Chi Wang**, Chih-Hung Lee, Successful treatment of refractory blisters in porphyria cutanea tarda with topical pimecrolimus combined with oral hydroxychloroquine: an alternative to phlebotomy in patients with renal insufficiency and anemia, **Eur. J. Dermatol.** **2012**, 22, 567-568.
17. Yi-Cian Cheng, **Chun-Chi Wang**, Yen-Ling Chen, Shou-Mei Wu* Large volume sample stacking with EOF and sweeping in CE for determination of common preservatives in cosmetic products by chemometric experimental design, **Electrophoresis** **2012**, 33, 1443-1448.
18. Shih-Chieh Lee, **Chun-Chi Wang**, Pin-Chen Yang, Shou-Mei Wu*, Enantioseparation of (±)-threo-methylphenidate in human plasma by cyclodextrin-modified sample stacking capillary electrophoresis, **J. Chromatogr. A.** **2012**, 1232, 302-305.

19. **Chun-Chi Wang**, Cheng-Chung Chen, Shang-Jang Wang, Shou-Mei Wu*, Cation-selective exhaustive injection and sweeping micellar electrokinetic chromatography for the analysis of methadone and its metabolites in serum of heroin addicts, **J. Chromatogr. A.** **2011**, 1218, 6832-6837.
20. Tai-Heng Chen, Ching-Cherng Tzeng, **Chun-Chi Wang**, Shou-Mei Wu, Jan-Gowth Chang, San-Nan Yang, Chih-Hsing Hung, Yuh-Jyh Jong, Identification of bidirectional gene conversion between SMN1 and SMN2 by simultaneous analysis of SMN dosage and hybrid genes in a Chinese population, **J. Neurol. Sci.** **2011**, 308, 83-87.
21. **Chun-Chi Wang**, Jan-Gowth Chang, Yen-Ling Chen, Yuh-Jyh Jong*, Shou-Mei Wu*, Multi-exon genotyping of *SMN* gene in spinal muscular atrophy by universal fluorescent PCR and capillary electrophoresis, **Electrophoresis** **2010**, 31, 2396-2404.
22. **Chun-Chi Wang**, Yuh-Jyh Jong, Jan-Gowth Chang, Yen-Ling Chen, Shou-Mei Wu*, Universal fluorescent multiplex PCR and capillary electrophoresis for evaluation of gene conversion between *SMN1/SMN2* in spinal muscular atrophy, **Anal. Bioanal. Chem.** **2010**, 397, 2375-2383.
23. **Chun-Chi Wang**, Jan-Gowth Chang, Yuh-Jyh Jong*, Shou-Mei Wu*, Universal Multiplex PCR and Capillary Electrophoresis for Quantification of *SMN1/SMN2* Genes in Spinal Muscular Atrophy, **Electrophoresis** **2009**, 30, 1102-1110.
24. **Chun-Chi Wang**, Jan-Gowth Chang, Jerome Ferrance, Hsin-Yi Chen, Chung-Yee You, Yung-Fu Chang, Yuh-Jyh Jong*, Shou-Mei Wu*, Quantification of SMN1 and SMN2 Genes by Capillary Electrophoresis for Diagnosis of Spinal Muscular Atrophy, **Electrophoresis** **2008**, 29, 2904-2911.
25. **Chun-Chi Wang**, Shou-Mei Wu*, Simultaneous determination of L-ascorbic acid, ascorbic acid-2-phosphate magnesium salt, and ascorbic acid-6-palmitate in commercial cosmetics by micellar electrokinetic capillary electrophoresis, **Anal. Chim. Acta** **2006**, 576, 124-129.
26. **Chun-Chi Wang**, Shyh-Shin Chiou, Shou-Mei Wu*, Determination of mercaptopurine and its four metabolites by large volume sample stacking with polarity switching in capillary electrophoresis, **Electrophoresis** **2005**, 26, 2637-2642.