

方瓊瑤 博士簡介 Chiung-Yao Fang

現職：嘉義基督教醫院 醫學研究部 轉譯醫學研究中心 副研究員(Jul., 2011-present)

台南應用科技大學 兼任助理教授 (Sep. 2012-present)

教學科目：通識課程 生物科技概論

經歷：嘉義基督教醫院 泌尿外科 博士後研究員 (Jul., 2010- Jun., 2011)

行政院衛生署嘉義醫院 檢驗科 醫檢師(Nov., 1993- Aug, 1994), (July, 1996- Aug., 2003)

學歷：中正大學 化學暨生物化學研究所 分子生物組 博士 (Sep., 2003- Jun., 2010)

中山醫學大學 生物化學研究所碩士 (Sep., 1994- Jun., 1996) 中山醫學大學 醫事技術學系 學士 (Sep., 1985- Jun., 1988) 中興大學 昆蟲系 肄業 (Sep., 1984- Aug., 1985)

專長：分子檢驗學、分子醫學、基因治療、病毒學

專業證照：教育部部定助理教授 (2013)

醫事檢驗師證照 (1989)

發表期刊論文：

1. Lin M.-C., M. Wang, **C.-Y. Fang**, P.-L. Chen, C.-H. Shen, D. Chang 2014
Inhibition of BK virus replication in human kidney cells by BK virus large tumor antigen-specific shRNA delivered by JC virus-like particle. *Antiviral Res.* 103:25-31. (SCI).
2. Jou Y.-C., Y.-S. Tsai, H.-Y. Hsieh, C.-H. Shen, **C.-Y. Fang**, S.-Y. Chen, M.-F. Lin, F.-H. Chen, C.-D. Hsu 2014. Age-dependent Association between Dickkopf-1 and Calcium containing Urolithiasis. *Urology.* (Accepted). (SCI).
3. Tseng C.-E., C.-M. Yeh, **C.-Y. Fang**, Shay J, P.-L. Chen, M.-C. Lin, D. Chang, M. Wang. 2013. Detection of human JCPyV and BKPyV in diffuse large B-cell lymphoma of the GI tract.. *European Journal of Clinical Microbiology and Infectious Diseases*, 2013 Nov 21. [Epub ahead of print]. (SCI).

4. Liaw Y.-C., C.-H. Chen, K.-H. Shu, **C.-Y. Fang**, W.-C. Ou, P.-L. Chen, C.-H. Shen, M.-C. Lin, D. Chang, M. Wang 2012. Recombined sequences between the noncoding control regions of JC and BK viruses found in the urine of a renal transplantation patient. *Virus Genes*, 45(3):581-4.(SCI).
5. Jou Y.-C. *, **C.-Y. Fang***, S.-Y. Chen, F.-H. Chen, M.-C. Cheng, C.-H. Shen, L.-W. Liao, and Y.-S. Tsai (2012, Aug). Proteomic Study of Renal Uric Acid Stone. *Urology*, 80: 260-266. (: equal contribution) (SCI).
6. **Fang C.-Y.**, P. Lin, W.-C. Ou, P.-L. Chen, C.-H. Shen, D. Chang, M. Wang 2012. Analysis of the Size of DNA Packaged by the Human JC Virus-Like Particle. *Journal of Virology Methods*. 182(1-2):87-92. (SCI).
7. Shen, C.-H, J.-D. Wu, C.-D. Hsu, Y.-C. Jou, C.-T. Lin, M. Wang, S.-F Wu, M. W.Y. Chan, M.-K. Chiang, **C.-Y. Fang*** and D.C. Chang* 2011. The high incidence of JC virus infection in urothelial carcinoma tissue in Taiwan. *Journal of Medical Virology* 83:2191-2199 (*: co-correspondence) (SCI).
8. Chang, C.-F., M. Wang, W.-C. Ou, P.-L. Chen, C.-H. Shen, P.-Y. Lin, **C.-Y. Fang*** and D.C. Chang*. 2011. Human JC virus-like particles as a gene delivery vector. *Expert Opinion on Biological Therapy*. 11:1169-1175 (*: co-correspondence). (SCI).
9. **Fang, C.-Y.**, H.-Y. Chen, M.-L. Wang, P.-L. Chen, C.-F. Chang, L.-S. Chen, C.-H. Shen, W.-C. Ou, M.-D. Tsai, P.-H. Hsu and D.C. Chang. 2010. Global analysis of modifications of the human BK virus structural proteins by LC-MS/MS. *Virology*. 402:164-76. (SCI).
10. Chen, L.-S., M.-L. Wang, W.-C. Ou, **C.-Y. Fung**, P.-L. Chen, C.-F. Chang, W.-S. Huang, J.-Y. Wang, P.-Y. Lin and D.C. Chang. 2010. Efficient gene transfer using the human JC virus-like particle that inhibits human colon adenocarcinoma growth in a nude mouse model. *Gene Therapy*. 17:1033-41. (SCI).
11. Lin P.-Y, **C.-Y Fung**, F.-P. Chang, W.-S. Huang, W.-C. Chen, J.-Y. Wang and D.C. Chang. 2008. Prevalence and genotype identification of human JC virus in colon cancers in Taiwan. *Journal of Medical Virology*. 80:1828-1834. (SCI).
12. Wang, M.-L., T.-S. Tzou, W.-C. Ou, C.-F. Chang, **C.-Y. Fung**, L.-S. Chen and D.C. Chang. 2004. Inhibition of SV40 LT expression in human fetal glial cells by antisense oligodeoxynucleotide delivered by JCV virus-like-particle. *Human Gene Therapy*. 15:1077-1090. (SCI).
13. Huang, Y.-L., M.-L. Wang, W.-C. Ou, **C.-Y. Fung**, L.-S. Chen and D.C. Chang. 2003. Analysis of DNA binding activity of the JCV minor capsid protein VP2. *Journal of NeuroVirology*. 9:1-4. (SCI).

14. Wang, M-L, T.-Y. Tzeng, **C.-Y. Fung**, W.-C. Ou, R.-T. Tsai, C.-H. Chen and D.C. Chang. 1999. Human anti-JC virus serum reacts with native but not denatured JC virus major capsid protein VP1. *Journal of Virological Methods*. 78:171-176. (SCI).
15. Ou, W.-C., M.-L. Wang, **C.-Y. Fung**, R.-T. Tsai, P.-C. Chao, T.-H. Hseu, and D.C. Chang. 1999. The major capsid protein VP1 of human JCV expressed in *E. coli* is able to self-assemble into a capsid-like particle and deliver exogenous DNA into human kidney cells. *Journal of General Virology*. 80:39-46. (SCI).
16. Tsai, R.-T., M.L. Wang, W.-C. Ou, Y.-L. Lee, S.-Y. Li, **C.-Y. Fung**, Y.-L. Huang, T.-Y. Tzeng, and D.C. Chang. 1997. Viruria incidence of JC virus is higher than that of BK virus in Taiwan. *Journal of Medical Virology*. 52:253-257. (SCI).
17. Chang, D.C., **C.-Y. Fung**, W-C. Ou, P.-C. Chao, S.-Y. Li, M.-L. Wang, Y.-L. Huang, T.-Y. Tzeng, and R.-T. Tsai. 1997. Self assembly of the JC virus major capsid protein VP1 expressed in insect cells. *Journal of General Virology*. 78:1435-1439. (SCI).
18. Ou, W.-C., R.-T. Tsai, M.-L. Wang, **C.-Y. Fung**, T.-H. Hseu, and D.C. Chang. 1997. Genomic cloning and sequence analysis of Taiwan-3 human polyomavirus JC virus. *Journal of The Formosan Medical Association*. 96:511-516. (SCI).
19. Chang, D.C., W-C. Ou, K.-K. Liao, M.-L. Wang, and **C.-Y. Fung**. 1996. "Cloning, Expressing and purification of the recombinant polyomavirus VP1 and characterization of its DNA binding domain. *The Chung Shan Medical Journal*. 7:1-12. (SCI).
20. Chang, D.C., Z-M., Liou, W-C. Ou, R.-T. Tsai, K.-Z. Wang, M.-L. Wang, and **C.-Y. Fung**. 1996. Production of the antigen and the antibody of the JC virus major capsid protein VP1. *Journal of Virological Methods*. 59:177-187. (SCI).
21. Chang, D.C., M.-L. Wang, W-C. Ou, R.-T. Tsai, **C.-Y. Fung**, and Y.-J. Hwang. 1996. A simple method to detect human polyomavirus DNA in urine by polymerase chain reaction. *Journal of Virological Methods*. 58:131-136. (SCI).