國立嘉義大學生命科學院微生物免疫與生物藥學系主任候選人資料表

一、基本資料

姓名	性別	出生年月日			國籍	身分證字號	電話	公：
劉怡文	女	**	**	**	台灣	B2*******9		宅：
通訊處：嘉義市學府路 300 號 國立嘉義大學微生物免疫與生物藥學系							傳真	公：
電子郵件地址： ywlss@mail.ncyu.edu.tw		候選人簽章：劉怡文				微生物免疫與生物藥學系 劉怡文		宅：

	服務機關學校	職稱	專兼任	到職年月
現職	國立嘉義大學	教授	專任	2002 年 8 月 1 日

	學校名稱	院系所	學位名稱	獲頒學位年月
學歷	國立成功大學	基礎醫學研究所	博士	1997 年 6 月
	國立成功大學	藥理學研究所	碩士	1993 年 6 月
	高雄醫學院	藥學系	學士	1991 年 6 月

	服務機關	職稱	專兼任	任職起迄年月
主要經歷	國立嘉義大學微生物免疫與生物藥學系	教授	專任	2012 年 8 月迄今
	國立嘉義大學微生物免疫與生物藥學系	副教授	專任	2007 年 8 月 至 2012 年 7 月
	國立嘉義大學微生物免疫與生物藥學系	助理教授	專任	2002 年 8 月 至 2007 年 7 月
	嘉南藥理科技大學 藥學系	助理教授	專任	2000 年 8 月 至 2002 年 7 月

	中國化學製藥股份有限公司	研發處 生物科技專案室 研發專員	專任	1998 年 8 月 至 2002 年 3 月
	國立台灣大學	醫學院藥理學科 博士後研究員	專任	1997 年 8 月 至 1998 年 7 月

註：1. 受理推薦截止日期為 **108 年 4 月 12 日（星期五）下午 5 時前**。
2. 本表如不敷使用，請自行影印接附。

二、主要著作、作品及目錄

《期刊發表》

1. C.H. Shen, S.T. Wang, S.C. Wang, S.M. Lin, L.C. Lin, Y.C. Dai and **Yi-Wen Liu***. Ketamine-induced bladder dysfunction is associated with extracellular matrix accumulation and impairment of calcium signaling in a mouse model. **Molecular Medicine Reports 2019/04**, 19(4):2716-2728. (SCI, IF 1.922, MEDICINE, RESEARCH & EXPERIMENTAL ranking 90/133=67.6%) (MOST 104-2320-B-415-001-MY3). 本人為通訊作者
2. Y.C. Dai, S.C. Wang, M.M. Haque, W.H. Lin, L.C. Lin, C.H. Chen and **Yi-Wen Liu***. The interaction of arsenic and *N*-butyl-*N*-(4-hydroxybutyl)nitrosamine on urothelial carcinogenesis in mice. **PLOS ONE 2017/10**, 12(10):e0186214 (Epub). (SCI, IF 2.766, MULTIDISCIPLINARY SCIENCES ranking 15/64=23.4%) (MOST 104-2320-B-415-001-MY3). 本人為通訊作者
3. S.C. Wang, S.T. Wang, H.T. Liu, X.Y. Wang, S.C. Wu, L.C. Chen* and **Yi-Wen Liu***. Trichostatin A induces bladder cancer cell death via intrinsic apoptosis at the early phase and Sp1-survivin downregulation at the late phase of treatment. **Oncology Reports 2017/09**, 38:1587-1596. (SCI, IF 2.976, ONCOLOGY ranking 124/223=55.6%) (MOST 104-2320-B-415-001-MY3). 本人為通訊作者
4. S.H. Wang, S.C. Wang, P.C. Chen, S.T. Wang, and **Yi-Wen Liu***. Induction of cyclooxygenase-2 gene by *Candida albicans* through EGFR, ERK and p38 pathways in human urinary epithelium. **Medical Mycology 2017/04**, 55:314-322. (SCI, IF 2.799, VETERINARY SCIENCES ranking 5/140=3.5%) (MOST 104-2320-B-415-001-MY3). 本人為通訊作者
5. C.H. Shen, S.C. Wang, S.T. Wang, S.M. Lin, J.D. Wu, C.T. Lin, **Yi-Wen Liu***. Evaluation of urinary bladder fibrogenesis in mouse model of long-term ketamine injection. **Molecular Medicine Reports 2016/09**, 14:1880-1890. (SCI, IF 1.922, MEDICINE, RESEARCH & EXPERIMENTAL ranking 90/133=67.6%) (NSC101-2320-B-415-002-MY3). 本人為通訊作者
6. M.Y. Lin, S.Y. Chiang, Y.Z. Li, M.F. Chen, Y.S. Chen, J.Y. Wu*, **Yi-Wen Liu***. Anti-tumor effect of Radix Paeoniae Rubra extract on mice bladder tumors using intravesical therapy. **Oncology Letters**

2016/08, 12:904-910. (SCI, IF 1.664, ONCOLOGY ranking: 194/223=86.9%) (NSC101-2320-B-415-002-MY3). 本人為通訊作者

7. S.C. Wang, C.C. Huang, C.H. Shen, L.C. Lin, P.W. Zhao, S.Y. Chen, Y.C. Deng and **Yi-Wen Liu***. Gene expression and DNA methylation status of glutathione *S*-transferase Mu1 and Mu5 in urothelial carcinoma. **PLOS ONE 2016/07**, 11(7):e0159102 (Epub). (SCI, IF 2.766, MULTIDISCIPLINARY SCIENCES ranking 15/64=23.4%) (MOST 104-2320-B-415-001-MY3). 本人為通訊作者
8. C.H. Shen, S.T. Wang, Y.R. Lee, S.Y. Liu, Y.Z. Li, J.D. Wu, Y.J. Chen, **Yi-Wen Liu***. Biological effect of ketamine in urothelial cell lines and global gene expression analysis in the bladders of ketamine-injected mice. **Molecular Medicine Reports 2015/02**, 11:887-895. (SCI, IF 1.922, MEDICINE, RESEARCH & EXPERIMENTAL ranking 90/133=67.6%) (NSC101-2320-B-415-002-MY3). 本人為通訊作者
9. J.J. Chuang, Y.C. Dai, Y.L. Lin, Y.Y. Chen, W.H Lin, H.L. Chan, **Yi-Wen Liu***. Downregulation of glutathione *S*-transferase M1 protein in *N*-butyl-*N*-(4-hydroxybutyl)nitrosamine-induced mouse bladder carcinogenesis. **Toxicology and Applied Pharmacology 2014/09**, 279:322-330. (SCI, IF 3.616, TOXICOLOGY ranking: 20/94=21.2%) (NSC101-2320-B-415-002-MY3). 本人為通訊作者
10. M.Y. Lin, Y.R. Lee, S.Y. Chiang, Y.Z. Li, Y.S. Chen, C.D. Hsu, **Yi-Wen Liu***. Cortex Moutan induces bladder cancer cell death via apoptosis and retards tumor growth in mouse bladders. **Evidence-Based Complementary and Alternative Medicine 2013/10**, 2013: Article ID 207279 (Epub). (SCI, IF 2.064, INTEGRATIVE & COMPLEMENTARY MEDICINE ranking: 10/27=37.0%) (NSC101-2320-B-415-002-MY3). 本人為通訊作者
11. J.Y. Wu, K.W. Tsai, Y.Z. Li, Y.S. Chang, Y.C. Lai, Y.H. Laio, J.D. Wu, **Yi-Wen Liu***. Anti-bladder tumor effect of baicalein from *Scutellaria baicaleinsis* Georgi and its application in vivo. **Evidence-Based Complementary and Alternative Medicine 2013/05**, 2013: Article ID 579751 (Epub). (SCI, IF 2.064, INTEGRATIVE & COMPLEMENTARY MEDICINE ranking: 10/27=37.0%) (NSC101-2320-B-415-002-MY3). 本人為通訊作者
12. M.H. Chen, M.Y. Lee, J.J. Chuang, Y.Z. Li, S.T. Ning, J.C. Chen, **Yi-Wen Liu***. Curcumin inhibits HCV replication by heme oxygenase-1 induction and AKT inhibition. **International Journal of Molecular Medicine 2012/11**, 30:1021-1028. (SCI, IF 2.784, MEDICINE, RESEARCH & EXPERIMENTAL ranking: 65/133=48.8%) (NSC98-2320-B-415-002-MY3). 本人為通訊作者
13. S.Y. Wu, Y.R. Lee, C.C. Huang, Y.Z. Li, Y.S. Chang, C.Y. Yang, J.D. Wu, **Yi-Wen Liu***. Curcumin-induced heme oxygenase-1 expression plays a negative role for its anti-cancer effect in bladder cancers. **Food and Chemical Toxicology 2012/10**, 50:3530-3536. (SCI, IF 3.977, FOOD SCIENCE & TECHNOLOGY ranking: 10/133=7.5%) (NSC98-2320-B-415-002-MY3). 本人為通訊作者
14. P.Y. Lin, Y.L. Lin, C.C. Huang, S.S. Chen, **Yi-Wen Liu***. Inorganic arsenic in drinking water accelerates *N*-butyl-*N*-(4-hydroxybutyl)nitrosamine-induced bladder tissue damage in mice. **Toxicology and Applied Pharmacology 2012/02**, 259(1):27-37. (SCI, IF 3.616, TOXICOLOGY ranking: 20/94=21.2%) (NSC98-2320-B-415-002-MY3). 本人為通訊作者
15. **Yi-Wen Liu**, S.A. Wang, T.Y. Hsu, T. A. Chen, W.C. Chang*, J.J. Hung*. Inhibition of LPS-induced C/EBPδ by trichostatin A has a positive effect on LPS-induced cyclooxygenase 2 expression in

RAW264.7 cells. **Journal of Cellular Biochemistry 2010/08**, 110(6):1430-1438. (SCI, IF 2.959, BIOCHEMISTRY & MOLECULAR BIOLOGY ranking: 143/293=48.8%). 本人為第一作者

16. C.H. Shen, J.J. Shee, J.Y. Wu, Y.W. Lin, J.D. Wu, **Yi-Wen Liu***. Combretastatin A-4 inhibits cell growth and metastasis in bladder cancer cells and retards tumor growth in a murine orthotopic bladder tumor model. **British Journal of Pharmacology 2010/08**, 160(8):2008-2027. (SCI, IF 6.810, PHARMACOLOGY & PHARMACY ranking: 12/261=4.5%) (NSC98-2320-B-415-002-MY3). 本人為通訊作者
17. J.Y. Wu, K.W. Tsai, J.J. Shee, Y.J. Li, C.H. Chen, J.J. Chuang, **Yi-Wen Liu***. 4'-Chloro-3,5-dihydroxystilbene, a resveratrol derivative, induces lung cancer cell death. **Acta Pharmacologica Sinica 2010/01**, 31:81-92. (SCI, IF 3.562, PHARMACOLOGY & PHARMACY ranking: 63/261=24.1%) (NSC97-2320-B-415-002). 本人為通訊作者
18. M.H. Chen, Q.F. Wang, L.G. Chen, J.J. Shee, J.C. Chen, K.Y. Chen, S.H. Chen, J.G.J. Su, **Yi-Wen Liu***. The inhibitory effect of *Gynostemma pentaphyllum* on MCP-1 and type I procollagen expression in rat hepatic stellate cells. **Journal of Ethnopharmacology 2009/10**, 126:42-49. (SCI, IF 3.115, INTEGRATIVE & COMPLEMENTARY MEDICINE ranking: 4/27=14.8%) (NSC97-2320-B-415-002). 本人為通訊作者
19. L.G. Chen, L.Y. Hung, K.W. Tsai, Y.S. Pan, Y.D. Tsai, Y.Z. Li, **Yi-Wen Liu***. Wogonin, a bioactive flavonoid in herbal tea, inhibits inflammatory cyclooxygenase-2 gene expression in human lung epithelial cancer cells. **Molecular Nutrition & Food Research 2008/11**, 52:1349-1357. (SCI, IF 5.151, FOOD SCIENCE & TECHNOLOGY ranking: 5/133=3.7%) (NSC-95-2320-B-415-004). 本人為通訊作者
20. M.H. Chen, S.H. Chen, Q.F. Wang, J.C. Chen, D.C. Chang, S.L. Hsu, C.H. Chen, C.R. Sheue, **Yi-Wen Liu***. The molecular mechanism of gypenosides-induced G1 growth arrest of rat hepatic stellate cells. **Journal of Ethnopharmacology 2008/05**, 117:309-317. (SCI, IF 3.115, INTEGRATIVE & COMPLEMENTARY MEDICINE ranking: 4/27=14.8%) (NSC95-2320-B-415-004). 本人為通訊作者
21. C.H. Lu, S.H. Chen, Y.S. Chang, **Y.W. Liu**, J.Y. Wu, Y.P. Lim, H.I. Yu, Y.R. Lee*. Honokiol, a potential therapeutic agent, induces cell cycle arrest and program cell death in vitro and in vivo in human thyroid cancer cells. **Pharmacological Research 2017/01,** 115:288-298. (SCI)
22. S.T. Yang, C.J. Yen, C.H. Lai, Y.J. Lin, K.C. Chang, J.C. Lee, Y.W. Liu, P.Y. Chang-Liao, L.S. Hsu, W.C. Chang, W.C. Hung, T. K. Tang, **Y.W. Liu**, L.Y. Hung *. SUMOylated CPAP is required for IKK-mediated NF-κB activation and enhances HBx-induced NF-κB signaling in HCC. **Journal of Hepatology 2013/06**, 58:1157-1164. (SCI)
23. M.Y. Lee, **Y.W. Liu**, M.H. Chen, J.Y. Wu, H.Y. Ho, Q.F. Wang, J.J. Chuang*. Indirubin-3'-monoxime promotes autophagic and apoptotic death in JM1 human acute lymphoblastic leukemia cells and K562 human chronic myelogenous leukemia cells. **Oncology Reports 2013/05**, 29:2072-2078. (SCI)
24. C.C. Fang, F.Y. Chen, C.R. Chen, C.C. Liu, L.C. Wong, **Y.W. Liu**, J.G. Su*. Cyprodinil as an activator of aryl hydrocarbon receptor. **Toxicology 2013/02**, 304:32-40.
25. C.H. Lu, **Y.W. Liu**, S.C. Hua, H.I. Yu, Y.P. Chang and Y.R. Lee*. Autophagy induction in reversine

treated human follicular thyroid cancer cells. **Biomedicine & Pharmacotherapy 2012/12**, 66:642-647. (SCI)

26. S.C. Hua, T.C. Chang, H.R. Chen, C.H. Lu, **Y.W. Liu**, S.H. Chen, H.I. Yu, Y.P. Chang, Y.R. Lee*. Reversine, a 2,6-disubstituted purine, as an anti-cancer agent in differentiated and undifferentiated thyroid cancer cells. **Pharmaceutical Research 2012/07**, 29:1990-2005.
27. J.Y. Wu, C.H. Chen, W.H Chang., K.T. Chung, **Y.W. Liu**, F.J. Lu, C.H. Chen*. Anti-Cancer Effects of Protein Extracts from Calvatia lilacina, Pleurotus ostreatus and Volvariella volvacea. **Evidence-Based Complementary and Alternative Medicine 2011/06**, Article ID 982368. (Epub) (SCI)
28. C.H. Lai, J.T. Tseng, Y.C. Lee, Y.J. Chen, J.C. Lee, B.W. Lin, T.C. Hung, Y.W. Liu, T.H. Leu, **Y.W. Liu**, Y.P. Chen, W.C. Chang, L.Y. Hung*. Translational up-regulation of Aurora-A in EGFR-overexpressed cancer. **Journal of Cellular and Molecular Medicine 2010/06**, 14(6B):1520-1531.
29. M.T. Chou, W.C. Chu, W.F. Hong, M.C. Huang, W.J. Liu, S.C. Lin, S.C. Huang, F.Y. Chen, W.F. Hsiao, **Y.W. Liu**, J.Y. Wu, J.G.J. Su*. 1,10-Phenanthroline stabilizes mRNA of the carcinogen-metabolizing enzyme, cytochrome P450 1a1. **Toxicology Letters 2010/02**, 192(2):252-260. (SCI)
30. Y.J. Chen, W.M. Chang, **Y.W. Liu**, C.Y. Lee, Y.H. Jang, C.D. Kuo*, H.F. Liao*. A small-molecule metastasis inhibitor, norcantharidin, downregulates matrix metalloproteinase-9 expression by inhibiting Sp1 transcriptional activity in colorectal cancer cells. **Chemico-Biological Interactions 2009/10**, 181: 440-446.
31. S.H. Wang, C.T. Liang, **Y.W. Liu**, M.C. Huang, S.C. Huang, W.F. Hong, J.G.J. Su*. Crosstalk between activated forms of the aryl hydrocarbon receptor and glucocorticoid receptor. **Toxicology 2009/08**, 262: 87-97. (SCI, IF 3.817, TOXICOLOGY ranking: 13/89=14.6%). (SCI)
32. S.A. Wang, J.Y. Chuang, S.H. Yeh, Y.T. Wang, **Y.W. Liu**, W.C. Chang*, J.J. Hung*. Heat shock protein 90 is important for Sp1 stability during mitosis. **Journal of Molecular Biology 2009/04**, 387:1106-1119. (SCI)
33. J.Y. Wu, K.T. Chung, **Y.W. Liu**, F.J. Lu, R.S. Tsai, C.H. Chen, C.H. Chen*. Synthesis and biological evaluation of novel C(6) modified baicalein derivatives as antioxidative agents. **Journal of Agricultural and Food Chemistry 2008/04**, 56:2838-2845. (SCI)
34. J.Y. Chuang, Y.T. Wang, S.H. Yeh, **Y.W. Liu**, W.C. Chang*, J.J. Hung*. Phosphorylation by c-Jun NH2-terminal kinase 1 regulates the stability of transcription factor Sp1 during mitosis. **Molecular Biology of the Cell 2008/03**, 19:1139-1151. (SCI)
35. **Yi-Wen Liu***, C.C. Chen, J.M. Wang, W.C. Chang, Y. C. Huang, S.Y. Chung, B.K. Chen, J.J. Hung. Role of transcriptional factors Sp1, c-Rel and c-Jun in LPS-induced C/EBPδ gene expression of mouse macrophages. **Cellular and Molecular Life Sciences 2007/12**, 64:3282-3294. (SCI) (NSC-93-2320-B-415-002). 本人為第一作者
36. C.C.Chen, **Y.W. Liu**, Y.B. Ker, Y.Y. Wu, E.Y. Lai, C.C.Chyau*, T.H. Hseu, R.Y. Peng. Chemical characterization and anti-inflammatory effect of polysaccharide fractionated from submerge-cultured *Antrodia camphorata* mycelia. **Journal of Agricultural and Food Chemistry 2007/06**, 55:5007-5012. (SCI).

37. M.H. Chen*, Q.F. Wang, S.L. Hsu, L.I. Hsu, H.Y. Hsieh, W.C. Wang, **Y.W. Liu**, S.H. Chen, J.C. Chen. The anti-proliferation effect of gypenosides in culture rat hepatic stellate cell. **Journal of Integrated Chinese and Western Medicine 2007/06**, 9: 1-10.
38. Y.C. Huang, W.C. Chang, J.G.J. Su, J.L. Cia, C.C. Chen, J.J. Hung, **Yi-Wen Liu***. Peptidoglycan enhances transcriptional expression of CCAAT/enhancer-binding protein δ gene in mouse macrophages. **Journal of Biomedical Science 2007/05**, 14: 407-418. (SCI) (NSC-93-2320-B-415-002; 94-2815-C-415-007-B). 本人為通訊作者
39. B. Djoko, R.Y.-Y. Chiou, J.J. Shee, **Yi-Wen Liu***. Characterization of immunological activities of peanut stilbenoids, arachidin-1, piceatannol and resveratrol on lipopolysaccharide-induced inflammation of RAW 264.7 macrophages. **Journal of Agricultural and Food Chemistry 2007/03**, 55:2376-2383. (SCI). (NSC-93-2320-B-415-002). 本人為通訊作者
40. Y.Y. Wu, C.C.Chen, C.C.Chyau, S.Y. Chung, **Yi-Wen Liu***. Modulation of inflammation-related genes of polysaccharides fractionated from mycelia of medicinal basidiomycete *Antrodia camphorata*. **Acta Pharmacologica Sinica 2007/02**, 28:258-267. (SCI) (NSC-93-2320-B-415-002). 本人為通訊作者
41. S.H. Kuo, T.Z. Liu, **Y.W. Liu**, W.C. Tsenge, R.H. Liu, F.J. Lu, Y.S. Lin, C.Y. Chen and C.H. Chen*. 6-shogaol (alkanone from Ginger) induces apoptotic cell Death of human hepatoma p53 mutant mahlavu subline via an oxidative stress-mediated caspase-dependent mechanism. **Journal of Agricultural and Food Chemistry 2007/02**, 55:948-954. (SCI).
42. C.Y. Chen*, C.H. Chen, C.H. Wong, **Y.W. Liu**, Y.S. Lin, Y.D. Wang and Y.R. Hsui. Cytotoxic constituents of the stems of *Cinnamomum subavenium*. **Journal of Natural Products 2007/01**, 70:103-106. (SCI).
43. J.C. Chang, Y.H. Lai, B. Djoko, P.L. Wu, C.D. Liu, **Y.W. Liu**, R.Y.-Y. Chiou*. Biosynthesis enhancement and antioxidant and anti-inflammatory activities of peanut (*Arachis hypogaea* L.) arachidin-1, arachidin-3 and isopentadienylresveratrol. **Journal of Agricultural and Food Chemistry 2006/12**, 54:10281-10287. (SCI).
44. B.T. Chiang, **Y.W. Liu**, B.K. Chen, J.M. Wang, W.C. Chang*. Direct interaction of C/EBPδ and Sp1 at the GC-enriched promoter region synergizes the IL-10 gene transcription in mouse macrophage. **Journal of Biomedical Science 2006/09**, 13:621-635. (SCI).
45. **Yi-Wen Liu**, C.C. Chen, H.P. Tseng, W.C. Chang*. Lipopolysaccharide-induced transcriptional activation of interleukin-10 is mediated by MAPK- and NF-κB-induced CCAAT/enhancer-binding protein δ in mouse macrophages. **Cellular Signalling 2006/09**, 18:1492-1500. (SCI) (NSC-91-2320-B-415-003). 本人為第一作者
46. **Yi-Wen Liu**, H.P. Tseng, L.C. Chen, B.K. Chen, W.C. Chang*. Functional cooperation of Sp1 and C/EBP β and δ in lipopolysaccharide-induced gene activation of interleukin-10 in mouse macrophages. **The Journal of Immunology 2003/07**, 171:821-828. (SCI) (NSC-89-B-041-2320-017) (NSC-90-B-041-2320-017). 本人為第一作者
47. L.C. Chen, B.K. Chen, **Y.W. Liu**, W.C. Chang*. Induction of 12-lipoxygenase expression by transforming growth factor-alpha in human epidermoid carcinoma A431 cells. **FEBS Letters 1999**, 455(1-2):105-110. (SCI).

48. Y.W. Liaw, **Y.W. Liu**, B.K. Chen, W.C. Chang*. Induction of 12-lipoxygenase expression by phorbol 12-myristate 13-acetate in human epidermoid carcinoma A431 cells. **Biochimica et Biophysica Acta-Lipids and Lipid Metabolism 1998**, 1389(1):23-33. (SCI).
49. W.C. Chang*, **Y.W. Liu**, Y. Asaoka, H. Suzuki, T. Yoshimoto, S. Yamamoto. Induction of 12-lipoxygenase expression by epidermal growth factor is mediated by protein kinase C in A431 cells. **Adv. Exp. Med. Biol. 1997**, 400A: 525-529.
50. W.C. Chang*, **Y.W. Liu**, B.K. Chen, C.J. Chen. Regulation of 12-lipoxygenase expression by epidermal growth factor in human epidermoid carcinoma A431 cells. **Adv. Exp. Med. Biol. 1997**, 407:33-40.
51. **Yi-Wen Liu**, T. Arakawa, S. Yamamoto, W.C. Chang*. Transcriptional activation of human 12-lipoxygenase gene promoter is mediated through Sp1 consensus sites in A431 cells. **Biochemical Journal 1997**, 324 (Pt 1):133-140. (SCI). 本人為第一作者
52. **Yi-Wen Liu**, B.K. Chen, C.J. Chen, T. Arakawa, T. Yoshimoto, S. Yamamoto, W.C. Chang*. Epidermal growth factor enhances transcription of human arachidonate 12-lipoxygenase in A431 cells. **Biochimica et Biophysica Acta-Lipids and Lipid Metabolism 1997**, 1344(1):38-46. (SCI). 本人為第一作者
53. B.K. Chen, **Y.W. Liu**, S. Yamamoto, W.C. Chang*. Overexpression of Ha-ras enhances the transcription of human arachidonate 12-lipoxygenase promoter in A431 cells. **Biochimica et Biophysica Acta-Lipids and Lipid Metabolism 1997**, 1344(3):270-277. (SCI).
54. W.C. Chang*, H.C. Kao, **Y.W. Liu**. Down-regulation of epidermal growth factor-induced 12-lipoxygenase expression by glucocorticoids in human epidermoid carcinoma A431 cells. **Biochemical Pharmacology 1995**, 50(7):947-952. (SCI).
55. **Yi-Wen Liu**, Y. Asaoka, H. Suzuki, T. Yoshimoto, S. Yamamoto, W.C. Chang*. Induction of 12-lipoxygenase expression by epidermal growth factor is mediated by protein kinase C in A431 cells. **Journal of Pharmacology and Experimental Therapeutics 1994**, 271(1):567-573. (SCI). 本人為第一作者
56. W.C. Chang*, **Y.W. Liu**, C.C. Ning, H. Suzuki, T. Yoshimoto, S. Yamamoto. Induction of arachidonate 12-lipoxygenase mRNA by epidermal growth factor in A431 cells. **Journal of Biological Chemistry 1993**, 268(25):18734-18739. (SCI).

《會議發表》

1. Shou-Tsung Wang (王守琮), Cheng-Huang Shen, Yuan-Chang Dai, Chin-Chin Huang, **Yi-Wen Liu***. (2019/03). Extracellular Matrix Accumulation and Impairment of Calcium Signaling Are Involved in Ketamine-induced Bladder Dysfunction in A Mouse Model. The 34th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
2. Chi-Hung Wang (王琦泓), Lei-Chin Chen , **Yi-Wen Liu***. (2019/03). Analysis of transcription Factors Regulating the Gene Expression of Human *GSTM2*、*M3* in Bladder Cancer Cells. The 34th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
3. Chi-Hung Wang (王琦泓), Yu-Chiao Deng, Ting-Jia, Jhang, Yu-Chun Yen, Chen-Wei Lai and **Yi-Wen Liu***. (2018/06). Functional role and gene promoter regulation of glutathione *S*-transferase Mu 1~5 in human bladder cancer. The 15th Symposium of the Frontiers of Biomedical Sciences,

Taichung, Taiwan。第 15 屆前瞻生物醫學科學新知研討會。

4. Shih-Ying Chen (陳詩穎), Yuan-Chang Dai, Min-Hua Yu, Shin-Hua Shie and **Yi-Wen Liu***. (2018/06). DNA Methylation Level of *GSTM5* and *Wif1* as the Novel Biomarkers for Human Bladder Cancer. The 15th Symposium of the Frontiers of Biomedical Sciences, Taichung, Taiwan。第 15 屆前瞻生物醫學科學新知研討會。
5. Chun-Tzu Lai (賴純資), Pei-Min Ding, Shou-Chieh Wang, Shou-Tsung Wang and **Yi-Wen Liu***. (2018/06). Evaluation of combination effect of current intravesical medicine and non-intravesical marketed drugs in mice orthotopic bladder tumor model. The 15th Symposium of the Frontiers of Biomedical Sciences, Taichung, Taiwan。第 15 屆前瞻生物醫學科學新知研討會。
6. Shih-Ying Chen (陳詩穎), Pei-Wen Zhao, Yu-Chiao Deng, Min-Hua Yu and **Yi-Wen Liu***. (2018/01). Compensation of glutathione *S*-transferase (GST) Mu1-null by a high identical GST superfamily member GSTM5 through DNA demethylation. 第一屆台灣藥學學術聯合研討會。(本論文獲得壁報論文比賽優等獎)。
7. Shih-Ying Chen (陳詩穎), Pei-Wen Zhao and **Yi-Wen Liu***. (2017/03). Effect of inorganic arsenic on the histological and gene expression change of bladder urothelium. The 32th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
8. Yu-Chiao Deng (鄧羽喬) and **Yi-Wen Liu***. (2017/03). Effects of Glutathione *S*-transferase Mu 2, 3 and 5 on the Malignant Phenotype in Human Bladder Cancer Cells. The 32th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
9. Pei-Ching Chen (陳佩青), Shao-Hung Wang and **Yi-Wen Liu***. (2015/03). Analysis of Proinflammatory Response in Human Urinary Epithelial Cells Infected by *Candida albicans*. The 30th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
10. Pei-Wen Zhao (趙珮雯) and **Yi-Wen Liu*** (2015/03). Study of DNA Methylation Affecting Glutathione *S*-Transferase Mu 1 Gene Expression in Bladder cancer. The 30th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
11. Pei-Ching Chen (陳佩青), Ya-Hsien Tseng (曾雅嫻), Shao-Hung Wang, and **Yi-Wen Liu***. (2014/09). Analysis of Proinflammatory Response in Human Urinary Epithelial Cells Infected by *Candida albicans*. Taiwan Yeast Meeting 2014, Taipei, Taiwan.
12. Mei-Yi Lin (林美儀), Su-Yin Chiang and **Yi-Wen Liu*** (2013/05). Cortex Moutan induces bladder cancer cell death via apoptosis and retards tumor growth in mouse bladders. International Conference of Traditional and Complementary Medicine on Health 2013, Taipei, Taiwan.
13. Shiau-Yuan Liu (劉筱媛), Jyan-Gwo J. Su and **Y.W. Liu*** (2012/03). Ketamine abuse-related bladder damage. The 27th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
14. Zhang-Jin Zheng (鄭長晉), Jyan-Gwo J. Su and **Y.W. Liu*** (2012/03). Mechanism of honokiol-potentiated cytoxicity in baicalein-treated bladder cancer cells BFTC 905. The 27th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
15. Yung-Lun Lin (林永倫) and **Yi-Wen Liu*** (2012/02). Inorganic arsenic in drinking water accelerates N-butyl-N-(4-hydroxybutyl)nitrosamine-induced bladder tissue damage in Mice. 20th Symposium on Recent Advances in Cellular and Molecular Biology, Kaohsiung, Taiwan.
16. C.Y. Yang, J.J. Shee, **Y.W. Liu*** (2010/06). The anti-invasive effect of curcumin in human bladder

cancer cells: the role of heme oxygenase-1. BIT's 3rd Annual World Cancer Congress-2010, Singapore EXPO, Singapore.

17. Y.H. Liao, J.J. Shee, Y.W. Liu* (2010/06). Comparative effect of two antioxidants, curcumin and baicalein, on experimental pulmonary metastasis of bladder cancer cells. BIT's 3rd Annual World Cancer Congress-2010, Singapore EXPO, Singapore.
18. Y.H. Liao and **Y.W. Liu*** (2010/03). The effect of curcumin on the expression of superoxide dismutase in human bladder cancer cells. The 25th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
19. C.Y. Yang and **Y.W. Liu*** (2010/03). The effect of curcumin on inhibiting human bladder cancer cell invasion. The 25th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
20. Y.W. Lin, J.J. Shee, C.H. Shen, **Y.W. Liu*** (2009/03). Effect of Anti-Cancer Drug Combretastatin A-4 in Human Bladder Cancer Cells. The 24th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
21. Y.Z. Li, J.Y. Wu, K.W. Tsai, **Y.W. Liu*** (2009/03). Mechanism Study of Resveratrol Analogue 4'-Chloro-3,5-dihydroxystilbene-induced Cell Death in Human Lung Carcinoma Cells. The 24th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
22. K.Y. Chen, M.H. Chen, Q.F. Wang, **Y.W. Liu*** (2009/03). The Molecular Mechanism of *Gynostemma pentaphyllum*-reduced Type1 Procollagen Expression in Rat Hepatic Stellate Cells. The 24th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
23. **Yi-Wen Liu***, Jia-Jen Shee, Ke-Yu Chen, Ming-Ho Chen and Qwa-Fun Wang. (2009/02). The Molecular Mechanism of *Gynostemma pentaphyllum*-reduced Type1 Procollagen Expression in Rat Hepatic Stellate Cells. The 19th Conference of the APASL, **Hong Kong, China.**
24. S.Y. Chung, K.Y. Chen, **Y.W. Liu*** (2008/03). Identification of the different signal pathway between TLR4- and TLR2-induced C/EBPδ gene expression in mouse macrophages. The 23th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
25. 邱義源*、翁博群*、**劉怡文*** (2007/11) 正常小鼠餵食白藜蘆醇或花生芽影響其壽命與免疫力之探討。台灣食品科學技術學會第三十七次年會。Taichung, Taiwan.
26. Y.C. Huang, **Y.W. Liu*** (2007/03). Peptidoglycan enhances transcriptional expression of ccatt/enhancer-binding protein δ gene in mouse macrophages. The 22th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
27. S.H. Chen, M.H. Chen, J.C. Chen, C.C. Tsai, W.C. Wang, D.C. Chang, H.Y. Hsieh, **Y.W. Liu*** (2007/03). Inhibitory effects of gypenosides on the proliferation of rat hepatic stellate cells. The 22th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
28. Y.Z. Li, C.H. Chen, J.Y. Wu, **Y.W. Liu*** (2006/12). The anti-cancer effect of 4'-chloro-3,5-dihydroxystilbene in human lung carcinoma cells. 2006 年彰雲嘉大學校院聯盟學術研討會。Chiayi, Taiwan
29. **Yi-Wen Liu***, Chun-Chia Chen, Ju-Ming Wang, Chia-Lang Wang, Ben-Kuen Chen, and Wen-Chang Chang (2006/04). Essential Role of Transcriptional Factors Sp1, c-Jun and c-Rel in LPS-induced C/EBPδ Gene Expression of Mouse Macrophages. Experimental Biology 2006, **San Francisco, USA.**

30. Yen-Ying Wu, Chin-Chu Chen, Charng-Cherng Chyau*, **Yi-Wen Liu*** (2006/03). Anti-oxidant and anti-inflammatory activity of polysaccharide fractions from *antrodia camphorate* mycelia. The 21th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
31. Chun-Chia Chen, Wen-Chang Chang and **Yi-Wen Liu*** (2006/01). Essential Role of Transcriptional Factors Sp1, c-Jun and c-Rel in LPS-induced C/EBPδ Gene Expression of Mouse Macrophages. 14th Symposium on Recent Advances in Cellular and Molecular Biology, Kentine, Taiwan.
32. B. Djoko, R.Y.-Y. Chiou*, **Y.W. Liu*** (2005/12). Role of resveratrol, piceatannol and arachidin-1 on inflammatory gene expression of mouse macrophage RAW264.7 cells. The 1st Symposium on Phytochemicals: Bioactivity, Genomics, and Proteomics, Chiayi, Taiwan.
33. B. Djoko, R.Y.-Y. Chiou*, **Y.W. Liu*** (2005/11). Role of resveratrol, piceatannol and arachidin-1 on inflammatory gene expression of mouse macrophage RAW264.7 cells. 台灣食品科學技術學會第三十五次年會。Taichung, Taiwan.
34. Chun-Chia Chen, **Yi-Wen Liu*** (2005/03). Analysis of functional region of C/EBPδ gene promoter induced by lipopolysaccharide in mouse macrophages. The 20th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
35. **Yi-Wen Liu***, Chun-Chia Chen, Hui-Ping Tseng, and Wen-Chang Chang. (2004/04). Lipopolysaccharide-induced transcriptional activation of interleukin-10 is mediated by MAPK families-induced CCAAT/enhancer-binding proteins in mouse macrophages. Experimental Biology 2004, **Washington DC, USA.**
36. **Yi-Wen Liu*,** Hui-Ping Tseng, Chun-Chia Chen, Lei-Chin Chen, Ben-Kuen Chen, and Wen-Chang Chang. (2004/04). Role of MAPK pathway, Sp1 and C/EBP in activation of interleukin-10 in mouse macrophages. The 19th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
37. Chun-Chia Chen, **Yi-Wen Liu*** (2004/04). Growth inhibition of Tetrapanax Papyriferus in human carcinoma cells. The 19th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
38. Shin-Ping Chen, **Yi-Wen Liu*** (2003/03). Effect of antioxidants on lipopolysaccharide-induced interleukin-10. The 18th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
39. **Yi-Wen Liu***, Hui-Ping Tseng, Ben-Kuen Chen, Lei-Chin Chen and Wen-Chang Chang*. (2003/03) Functional cooperation of Sp1 and C/EBP β and δ in lipopolysaccharide-induced gene activation of interleukin-10 in mouse macrophages. The 18th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.
40. **Yi-Wen Liu***, Hui-Ping Tseng, Ben-Kuen Chen, Lei-Chin Chen and Wen-Chang Chang*. (2003/01) Functional cooperation of Sp1 and C/EBP β and δ in lipopolysaccharide-induced gene activation of interleukin-10 in mouse macrophages. 11th Symposium on Recent Advances in Cellular and Molecular Biology, Kentine, Taiwan.
41. Hui-Ping Tzeng, Ben-Kuen Chen, Wen-Chang Chang*, and **Yi-Wen Liu*** (2002/11) Role of MAPK pathway, Sp1 and C/EBP leading to activation of interleukin-10 by lipopolysaccharide in RAW264.7 macrophages. The 4th Asian-Pacific Organization for Cell Biology Congress, Taipei, Taiwan.
42. Hui-Ping Tzeng, Ben-Kuen Chen, Wen-Chang Chang*, and **Yi-Wen Liu*** (2002/03) The role of

AP1 in lipopolysaccharide-induced expression of IL-10 in murine macrophages. The 17th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.

43. Sung-Po Tsia, Ben-Kuen Chen, **Yi-Wen Liu**, and Wen-Chang Chang*. (2001/03) Signal transduction of EGF- and PMA-induced gastrin expression in human gastric adenocarcinoma AGS cell. The 16th Joint Annual Conference of Biomedical Science, Taipei, Taiwan.

註：1.請依期刊及會議論文、圖書著作等分類填列。
2.本表若不敷使用請自行影印接附。

三、學術獎勵及其他榮譽事項

授獎單位	獎勵及榮譽事項名稱	時間	備註
國立嘉義大學	95 學年度教學肯定獎	95 學年度	
國立嘉義大學	協辦植物化合物國際研討會之獎勵狀	95 年 3 月	
國立嘉義大學	協辦 2007 植物化合物暨應用微生物國際研討會之獎勵狀	96 年 7 月	
國立嘉義大學	參與嘉義市 96 年毒性化學物質災害防救演練之獎勵狀	96 年 12 月	
國立嘉義大學	擔任本校 98 學年度大一學生服務學習課程授課教師之獎勵狀	98 學年度	
國立嘉義大學	99 學年度教師服務優良獎	99 學年度	
國立嘉義大學	辦理本校 99 年度校慶教學研究產學合作成果發表暨農產品展售會之獎勵狀	100 年 3 月	
國立嘉義大學	擔任本校動物實驗管理小組之執行秘書獎勵狀	101 年 3 月	
國立嘉義大學	執行本校 100 至 101 年度獎勵大學教學卓越計畫之獎勵狀	101 年 3 月	
國立嘉義大學	擔任本校動物照護及使用小組委員之獎勵狀	103 年 11 月	
國立嘉義大學	擔任本校動物照護及使用小組委員之獎勵狀	104 年 10 月	
國立嘉義大學	擔任本校實驗動物舍管理人之獎勵狀	104 年 10 月	

國立嘉義大學研發處	獲本校105年度產學合作績效全校第66名	105年12月	
國科會	國科會補助大專校院獎勵特殊優秀人才	101學年度	
國科會	國科會補助大專校院獎勵特殊優秀人才	102學年度	
科技部	科技部補助大專校院獎勵特殊優秀人才	103學年度	
科技部	科技部補助大專校院獎勵特殊優秀人才	104學年度	
科技部	科技部補助大專校院獎勵特殊優秀人才	106-2學期	
科技部	科技部補助大專校院獎勵特殊優秀人才	107學年度	

註：本表若不敷使用請自行影印接附。

四、系務經營構想與發展計畫

系務經營構想：

嘉義大學微藥系自2005年系所行政合併運作後，至今已有十多年，有賴歷屆系主任的領導，以及全系同仁共同努力耕耘之下，不論在教學、研究、服務及行政上，皆已具一定的規模與制度。在既有紮實的基礎上，謹陳本人的治系構想與理念，以此自勉並戮力以赴，願與系上同仁共同營造更優質之研究學術風氣，以期為社會國家培育優秀的微生物與生物醫藥科技人才。

系務發展計畫：

一、 教學：培養優秀專業的微生物與生物醫藥科技人才為主要目標。透過研究與教學，培育有獨立思考並兼具執行能力的研發人才。依據國家社會之重點發展與人才需求，持續課程改造，提升教學品質，支持教學創新，鼓勵人文與專業並重，提供同學跨領域學習機會。重視學生的生活輔導與心理健康，加強學術倫理及生命教育的學習。積極與校外學術及產業單位合作，增加學生接觸外界的機會，擴展學生就業市場與國際視野。

二、 研究：本系教師研究成果豐碩、專精嚴謹，不論在國家型計畫與產業機構計畫，皆已有亮眼的成績。今後將持續推動並鼓勵個人與跨領域研究計畫的申請。同時努力整合本系老師的專長，在既有基礎上，共同合作爭取外界資源挹注之研究計畫。同時也鼓勵教師結合產業或開發臨床研究之能量，並在生技領域定期發表研究成果，增加系所之研究知名度以利招生，並能長期穩定獲取教師們的研究資源。

三、 服務：本系長期配合院校發展作業，並參與生科院檢驗分析中心之對外服務。今後將繼續建立各項專業師資的檢驗服務及諮詢平台，並積極與生技產業的合作，提供研發成果，產學結盟互助互利。

四、 行政：在原有已建立之行政制度運行之下，秉持公平、公開、效率、關懷的原則，持續系務行政之運作。對內以提升系上各項軟硬體資源之綜合利用，對外以廣闢資源為主，爭取資源用來改善本系硬體設備並充實學生實驗經費。

上述四點淺見為本人對微藥系未來發展的願景，願與本系同仁群策群力，繼往開來，使嘉大微生物免疫與生物藥學系繼續揚帆前進，克服萬難，不論在教學研究或服務行政面向，同仁們皆能更上一層樓。

註：本表若不敷使用請自行影印接附。