

黎慶 Ching Li

◆ 學 經 歷

- 2006- 國立嘉義大學微生物與免疫學系 教授
- 2005- 2006 國立嘉義大學應用微生物系 教授 (2006年改名為微生物與免疫學系)
- 2004- 2005 中山醫學大學醫學系微生物暨免疫科 教授
- 2002- 2004 中山醫學大學醫學系微生物暨免疫科 教授兼主任
- 2001- 2002 中山醫學大學醫學系微生物暨免疫科 副教授兼主任
- 1998- 2000 國立成功大學醫學院分子醫學研究所 副教授
- 1995- 1998 國立成功大學醫學院醫學系病理科 副教授
- 1993- 1995 美國耶魯大學醫學院感染科 研究助教授
- 1993 - 美國科羅拉多州大學醫學院感染科 研究助教授
- 1989 - 1992 美國加州大學洛杉磯分校醫學院感染科 博士後研究員
- 1987 - 1988 中央研究院分子生物研究所 博士後研究員
- 1981 - 1987 美國喬治亞州大學生物化學研究所 博士學位
- 1980 - 1981 台灣大學農業化學系 研究助理
- 1974 - 1978 中國文化學院家政系食品營養組 學士學位

◆ 專長和理念

- 專長：病毒學、HIV 與免疫、生物晶片、基因表達與疾病
- 理念與理想：教書是老師的天職，教得好是義務。而研究卻是老師的內涵與特色，教書與研究非但不衝突，而且相輔相成。

◆ 研究方向

- Human immunity against viral infections and molecular biology of HIV
- Regulation of gene expression and diseases in huma
- Molecular tumor biology and gene microarray technology

◆ 論文著作：(Total 56)

1. Chung-I Lee, **Ching Li**, and Win-Shun Lin. **1984**. Production and properties of heat stable cellulase from thermophilic fungi, Talaromyces sp.207 and Thermoascus sp.239. **J. Chinese Agril. Chem. Soc.**, 22:183-191.
2. **Ching Li**, Harry D. Peck, Jr., and Alan E. Przybyla. **1986**. Complementation of an E. coli pyrF mutant by Desulfovibrio vulgaris DNA. **J. Bacteriol.**, 165:644-46. (SCI)
3. **Ching Li**, Harry D. Peck, Jr., and Alan E. Przybyla. **1987**. Cloning of 3'-phosphoadenylylsulfate reductase and sulfite reductase genes from E. coli K-12. **Gene**, 53:227-234. (SCI)
4. **Ching Li**, Harry D. Peck, Jr., Jean LeGall, and Alan E. Przybyla. **1987**. Cloning, Characterization, and sequencing of the genes encoding the large and small subunits of the periplasmic [NiFe]hydrogenase of Desulfovibrio gigas. **DNA**, 6:539-551. (SCI)
5. Benet C. Prickril, Shao-Hua He, **Ching Li**, Nanda Menon, Eui-Sung Choi, Alan E. Przybyla, Daniel V. DerVartanian, Harry D. Peck, Jr., Guy Gaugue, Jean LeGall, Miguel Teixeira, Isavel Moura, Jose J. G. Moura, Daulat Patil, and Boi H. Huynh. **1987**. Identification of three distinct classes of hydrogenase in the genus, Desulfovibrio. **Biochem. Biophys. Res. Comm.**, 149:369-377. (SCI)
6. Ru-Chih C. Huang, W. Y. Chow, **Ching Li**, C. W. Yao, M. C. Chen, L. C. Walls, and H. J. Kung. **1989**. Regulation of HIV promoter activities in human embryonal carcinoma cells, NTERA-2. in Takis S. Papas (ed.) *Advances in Applied Biotechnology Series, Vol. 7: Gene Regulation and AIDS*,

pp.147-160.

7. Annette K. Taylor, Ivana Klisak, T. Mohandas, Robert S. Sparkes, **Ching Li**, Richard Gaynor, and Aldons J. Lysis. **1990**. Assignment of the human gene for CREB1 to chromosome 2q32.3-q34. **Genomics**, 7:416-421. (SCI)
8. Masayo Kornuc, Steven Kliewer, Joseph Garcia, David Harrich, **Ching Li**, and Richard Gaynor. **1990**. Adenovirus early region 3 promoter regulation by E1A/E1B is independent of alterations in DNA binding and gene activation of CREB/ATF and AP1. **J. Virol.**, 64:2004-2013. (SCI)
9. Christian Muchardt, **Ching Li**, Masayo Kornuc, and Richard Gaynor. **1990**. CREB regulation of cellular cyclic AMP-responsive and adenovirus early promoters. **J. Virol.**, 64:4296-4305. (SCI)
10. **Ching Li**, Chengfeng Lai, David Sigman, and Richard Gaynor. **1991**. Cloning of a cellular factor ILF that binds to NFAT-like motifs in HIV LTR. **Proc. Natl. Acad. Sci. USA**, 88:7739-7743. (SCI)
11. Ahn Diep, **Ching Li**, Ivana Klisak, T. Mohandas, Robert S. Sparkes, Richard Gaynor, and Aldons J. Lysis. **1991**. Assignment of the gene for cyclic AMP-response element binding protein-2 (CREB2) to human chromosome 2q24.1-q32. **Genomics**, 11:1161-1163. (SCI)
12. **Ching Li**, Aldons J. Lysis, Robert S. Sparkes, Ajay Nirula, and Richard Gaynor. **1992**. Characterization and chromosomal mapping of the cellular DNA binding protein HTLF. **Genomics**, 13:658-664. (SCI)
13. **Ching Li**, Aldons J. Lysis, Robert S. Sparkes, Sanh-Moc Tran, and Richard Gaynor. **1992**. Characterization and chromosomal mapping of the cellular DNA binding protein ILF. **Genomics**, 13:665-671. (SCI)
14. Kuni Takayama, Dawn H. Mitchell, Zafeer Z. Din, Pasupati Mukerjer, **Ching Li**, David L. Coleman. **1994**. Monomeric Re lipopolysaccharide from Escherichia coli is more active than the aggregated form in the Limulus Amebocyte Lysate Assay and in inducing Egr-1 mRNA in murine peritoneal macrophages. **J. Biol. Chem.**, 269:2241-2244. (SCI)
15. Sheng-He Huang, Anne T'ang, Barbara Drisco, Shuang-Quan Zhang, **Ching Li**, Amborse Jong. **1994**. Gene expression and its enzymatic activities coinciding with cell cycle progression and cell growth. **DNA Cell. Biol.**, 13:461-471. (SCI)
16. **Ching Li**, Dawn H. Mitchell, Sukhatme, VP, David L. Coleman DL. **1995**. Lipopolysaccharide induces expression of Egr-1 in macrophages through upstream CArG (serum response) elements. **J. Endotoxin Res.**, 2:239-246. (SCI)
17. **Ching Li**, Dawn H. Mitchell, David L. Coleman. **1995**. Analysis of Egr-1 protein induction in murine peritoneal macrophages treated with granulocyte-macrophage colony-stimulating factor. **Yale J. Biol. Med.**, 67:269-276. (SCI)
18. Ching-Cherng Tzeng, Hsiao-Sheng Liu, **Ching Li**, Ying-Tai Jin, Robert M. Chen, Wen-Horng Yang, Johnny S. Lin. **1996**. Characterization of two urothelium cancer cell lines derived from a blackfoot endemic area in Taiwan. **Anticancer Res.**, 16:1797-1804. (SCI)
19. Ying-Tai Jin, Sen-Tien Tsai, **Ching Li**, Kong-Chao Chang, Jing-Jou Yan, Wen-Yuan Chao, Hock-Liew Eng, Teh-Ying Chou, Ih-Jen Su. **1997**. Prevalence of human papillomavirus in middle ear carcinomas associated with chronic otitis media. **Amer. J. Pathology**, 150:1327-1333. (SCI)
20. Sen-Tien Tsai, **Ching Li**, Ying-Tain Jin, Wen-Yuan Chao, Ih-Jen Su. **1997**. High prevalence of human papillomavirus type 16 and 18 in middle ear carcinomas. **Internat. J. Cancer**, 71:208-212. (SCI)
21. Biehuoy Shieh, Cheng-Ming Lee, Yi-Ming A. Chen, Ih-Jen Su, **Ching Li**. **1997**. Molecular subtyping of the HIV-1 V3 loop sequences detected in HIV-1-positive patients in southern Taiwan. **Chinese J. Microbiol. Immuno.**, 30:106-114.
22. **Ching Li**, Tao-Pei Yan, Biehuoy Shieh, Ching-Ming Lee, Ruey-Yi Lin, Yi-Ming A. Chen. **1997**. Frequency of the CCR5 Δ 32 mutant allele in HIV-1-positive patients, female sex workers, and a

- normal population in Taiwan, **J. Formosan. Med. Assoc.**, 96:979-984. (SCI)
23. Biehuoy Shieh, Ih-Jen Su, Woei-Jer Chuang, **Ching Li**. 1998. Dye-induced denaturation of DNA dissolved in water. **BioTechniques**, 24:60-64. (SCI)
 24. Shih-Hwa Chiou, Yu-Mei Chung, Benjamin Ing-Tian Kuo, Wing-Wei Wong, **Ching Li**, and Jorn-Hon Liu. 1998. Cytomegalovirus retinitis as the first sign in the acquired immune deficiency syndrome - A case report. **Transact. Ophthalmol. Soc. ROC**, 37:229-233 (in Chisese)
 25. Biehuoy Shieh, Yun-Er Liao, Yao-Pei Yan, H. Sunny Sun, Mao-Yuan Chen, Yung-ching Liu, Nai-Ying Ko, **Ching Li**. 1999/4. Alleles that may influence HIV-1 pathogenesis in Chinese subjects. **AIDS**, 13:421-424. (SCI)[DOH88-TD-1086]
 26. Ji-Tzung Liou, Biehuoy Shieh, Shaw-Woan Chen, **Ching Li**. 1999/5. An improved alkaline lysis method for minipreparation of plasmid DNA. **Preparative Biochem. & Biotech.**, 29:49-54. (SCI) [NSC87-2312-B-006-002]
 27. Biehuoy Shieh, Ih-Jen Su, Su-Er Lee, Yi-Chang Tsai, **Ching Li**. 1999/7. Detection of hepatitis B virus genome in hepatocellular carcinoma tissues with PCR-*in situ* hybridization. **J. Virol. Methods**, 80:157-167. (SCI)[NCKUH86-056; NCKUH87-060]
 28. J. Yu-Yun Lee, **Ching Li**, S. C. Chao, Leena Pulkkinen, Jouni Uitto. 2000/4. A de novo glycine substitution domain of COL7A1 in dominant dystrophic epidermolysis. **Arch. Dermatol. Res.**, 292:159-163. (SCI)
 29. Biehuoy Shieh, Yao-Pei Yan, Yun-Er Liao, Shan-Tair Wang, and **Ching Li**. 2000/9. Influence of nucleotide polymorphisms in the CCR2 gene and the CCR5 promoter on the expression of cell surface CCR5 and CXCR4. **Internat. Immunol.**, 12:1311-1318. (SCI) [NSC87-2312-B-006-002; NSC89-2320-B-0060033]
 30. Chin-Chuan Chen, Ying-Tai Jin, Yun-Er Liao, Chia-Hui Huang, Ji-Tzung Liou, Li-Wha Wu, Wenya Huang, Kung-Chia Young, Ming-Derg Lai, Hsiao-Sheng Liu, Biehuoy Shieh, and **Ching Li**. 2001/3. Microarray profiling of gene expression patterns in bladder tumor cells treated with genistein. **J. Biomed. Sci.**, 8:214-222. (SCI) [NSC88-2318-B-006-006-M51; NSC89-2318-B-006-006-M51]
 31. Ying-Jyh Jih, Wen-Hui Lien, Wen-Chi Tsai, Ga-Wen Yang, **Ching Li**, and Li-Wha Wu. 2001/4. Distinct regulation of genes by bFGF and VEGF-A in endothelial cells. **Angiogen.**, 4:313-321.
 32. Biehuoy Shieh, Yao-Pei Yan, Nai-Ying Ko, Yun-Er Liao, Yung-Ching Liu, Hsi-Hsun Lin, Pei-Pei Chen, and **Ching Li**. 2001/8. Detection of elevated serum b-chemokine levels in seronegative Chinese individuals exposed to HIV-1. **Clin. Inf. Dis.**, 33:273-279. (SCI) [NSC89-2320-B-040-021][DOH89-TD-1031]
 33. Shew-Meei Sheu, Bor-Shyang Sheu, Hsiao-Bai Yang, **Ching Li**, Tro-Chen Chu, and Jiunn-Jong Wu. 2002/1. The Presence of iceA1 but not cagA, cagC, cagE, cagF, cagN, cagT, or orf13 Genes of Helicobacter pylori is Associated with a More Severe Gastric Inflammation in Taiwanese. **J. Formosan. Med. Assoc.**, 101:18-23. (SCI)
 34. **Ching Li**, Chin-Chuan Chen, Te-Hsun Yang, Tzong-Shin Tzai, Chia-Hui Huang, Ji-Tzung Liou, Ih-Jen Su, Ching-Cherng Tzeng, Wen-Hsiang Chiu, and Biehuoy Shieh. 2002/2. Establishment of A Mini-Gene Expression Database for Bladder Tumor. **J. Formosan. Med. Assoc.**, 101:104-109. (SCI) [NSC88-2318-B-006-006-M51; NSC89-2318-B-006-006-M51]
 35. Yueling Leon Guo, Hsien-Chang Chang, Jui-He Tsai, Jong-Chi Huang, **Ching Li**, Kung-Chia Young, Li-Wha Wu, Ming-Der Lai, Hsiao-Sheng Liu, and Wenya Huang. 2002/8. Two UVC-induced stress response pathway in HeLa cells identified by cDNA microarray. **Env. Mol. Mutagen.**, 40:122-128. (SCI)
 36. P-P Liu, **C Li**, Y-H Hsieh, S-W Chen, S-H Chen, and W-J Chuang. 2002/12. Solution structure of the

DNA-binding domain of Interleukin Enhancer Binding Factor, a new fold in Winged-helix family.

Proteins: Structure, Function, and Genetics, 49:543-553. (SCI)

37. Li-Kwan Chang, Ta-Tung Wei, Ya-Fang Chiu, Chao-Ping Tung, Jian-Ying Chuang, Shan-Kai Hung, **Ching Li**, and Shih-Tung Liu. **2003/2**. Inhibition of Epstein-Barr virus lytic cycle by (-)-epigallocatechin gallate. **Biochem. Bioph. Res. Co.**, 301:1062-1068. (SCI)[CSMU90-OM-B-018]
38. Biehuoy Shieh, Ming-Jen Chang, Wen-Chien Ko, Enz-Jun Chen, Jaw-Ching Wu, Ting-Tsung Chang, and **Ching Li**. **2003/3**. Effects of multiple virus coinfections on disease progressions in HIV-positive patients. **Intervirolog.**, 46:105-113. (SCI) [NSC89-2320-B-040-021][DOH89-TD-1031]
39. YY Wen, TY Chang, ST Chen, **C Li**, and HS Liu. **2003/5**. Comparative study of enterovirus 71 infection of human cell lines. **J. Med. Virol.**, 70:109-118. (SCI)
40. Biehuoy Shieh and **Ching Li**. Microarray profiling of gene expression patterns of genistein in tumor cells. in *Phytochemicals in Health and Disease* (Y. Bao and R. Fenwick, eds.), pp.77-103 (Chap 4), **2004/1**, Marcel Dekker, Inc., New York, NY. [ISBN: 0-8247-4023-8]
41. Wan-Chi Tsai, Sen-Tien Tsai, Jenq-Yuh Ko, Ying-Tai Jin, **Ching Li**, Wenya Huang, Kung-Chia Young, Ming-Der Lai, Hsiao-Sheng Liu, and Li-Wha Wu. **2004/4**. The mRNA profile of genes in betel-quid chewing oral cancer patients. **Oral Oncology**, 40:418-426. (SCI)
42. **Ching Li** and Biehuoy Shieh. **2004/5**. Multi-faceted, multi-versatile microarray: simultaneous detection of many viruses and their expression profiles. **Retrovirology** (Commentary), 1:11
43. **Ching Li**, Ru-Hsiu Teng, Yi-Chun Tsai, Huang-Shui Ke, Jia-Yan Huang, Chin-Chuan Chen, Yu-Lin Kao, Chia-Cheng Kuo, William R. Bell, and Biehuoy Shieh. **2005/1**. H-ras oncogene counteracts the growth-inhibitory effect of genistein in T24 bladder carcinoma cells. **Br. J. Cancer**, 92:80-88. (SCI)[NSC89-2318-B-006-006-M51]
44. **Ching Li**, Shu-Chuan Lu, Pei-Shan Hsieh, Yi-Hsien Huang, Hsin-I Huang, Tsung-Ho Ying, and Biehuoy Shieh. **2005/3**. Distribution of human chemokine (C-X₃-C) receptor 1 (CX₃CR1) gene polymorphisms and the haplotypes of the CC chemokine receptor 5 (CCR5) promoter in Chinese people, and the effects of the CCR5 haplotypes on CCR5 expression. **Eu. J. Immunogenet.**, 32:99-106. (SCI)[NSC89-2320-B-006-033 and DOH88-TD-1086]
45. Ming-Shiou Jan, Yi-Hsien Huang, Biehuoy Shieh, Ru-Hsiu Teng, Yao-Pei Yan, Ko-Kaung Liao, and **Ching Li**. **2006/1**. CC Chemokines induce neutrophils to chemotaxis, degranulation, and α -defensins release. **JAIDS.**, 41:6-16. (SCI) [NSC92-2320-B-040-053]
46. YC Chiang, CY Yang, **C Li**, YC Ho and HY Tsen. **2006/3**. Identification of *Bacillus* spp., *E. coli*, *Salmonella* spp., *Staphylococcus* spp., and *Vibrio* spp. with 16S rRNA based oligonucleotide-array hybridization. **Int. J. Food Microbiol.**, 107:131-137. (SCI)
47. Ya-Huey Chen, Hua- Lin Wu, **Ching Li**, Yi-Hsien Huang, Chi-Wu Chiang, Ming-Ping Wu, and Li-Wha Wu. **2006/4**. Anti-angiogenesis mediated by angiostatin K1-3, K1-4 and K1-4.5: Involvement of p53, FasL, AKT, and mRNA deregulation. **Thromb. Haemost.**, 95:668-677 (SCI)
48. **Ching Li**, Ruey-Shyang Chen, Shang-Kai Hung, Yuan-Ti Lee, Ching-Yu Yen, Yi-Wen Lai, Ru-Hsiu Teng, Biehuoy Shieh, Chao-Ping Tung, Ta-Tung Wei, and Shih-Tung Liu. **2006/5**. Detection of EBV infection and gene expressions in human tumors by microarray analysis. **J. Virol. Meth.**, 133:158-166. (SCI)
49. BS Tzang, GJ Tsay, YJ Lee, **C Li**, YS Sun, and TC Hsu. **2007/3**. The association of VP1 unique region protein in acute parvovirus B19 infection and anti-phospholipid antibody production. **Clin. Chim. Acta**, 378:59-65. (SCI)
50. You Chan, Chi-Ho Chan, Biehuoy Shieh, Yi-Chun Yeh, and **Ching Li**. **2007/6**. Immunomodulatory effects of *Agaricus blazei* Murill on Balb/cByJ mice. **J. Microbiol. Immunol. Infec.**, 40:201-208.

51. Ya-Fang Chiu, Chao-Ping Tung, Yu-Hisu Lee, Wen-Hung Wang, Wen-Yan Jiang, **Ching Li**, Jia-Yan Hung, Chen-Yu Wang, Shih-Tung Liu. A Comprehensive Library of Mutations of Epstein-Barr Virus. **J. Gen. Virol.**, *in press*. (SCI)
52. Ming-Shiou Jan, Biehuoy Shieh, Pei-Shan Hsieh, Yi-Chi Bau, Yung-Cheng Tang, Ching-Huei Lin, and **Ching Li**. A pro-apoptotic protein BNIP3 is required for all-*trans* retinoic acid-induced differentiation of myelomonocytic U937 cells. **J. Immunol.**, *in revision*. (SCI)
53. Ching-Yu Yen, Ching-Cherng Tzeng, Jia-Yan Huang, Ruey-Shyang Chen, Shih-Tung Liu, Biehuoy Shieh, and **Ching Li**. Microarray analysis of Epstein-Barr virus gene expression pattern in oral cancer. **Oral Onc.**, *submitted*. (SCI)
54. Shih-Heng Chen, Hui-Wen Yao, I-Te Chen, Biehuoy Shieh, Jeffery Milbrandt, **Ching Li** (Co-correspondence), and Shun-Hua Chen. Herpes simplex virus hijacks cellular transcription factor Egr-1 to increase viral replication and fatality of infected mice. **Nature Med.**, *submitted*. (SCI)
55. Min-Chi Lu, I-Te Chen, Yi-Wen Lai, Ching-Huei Lin, Shun-Hua Chen, Hsiao-Sheng Liu, Biehuoy Shieh, and **Ching Li**. CD44 identified by cDNA microarray hybridization influence the infection of enterovirus type 71 to neuroblastoma cells. *in preparation*.
56. Shulhn-Der Wang, Huang-Shui Ke, Biehuoy Shieh, Jia-Yan Huang, Ru-Hsiu Teng, Yi-Wen Lai, Chia-Cheng Kuo, Shung-Te Kao, and **Ching Li**. Growth inhibitory effects of two traditional Chinese herbal medicines on human liver and bladder tumor cell lines and the drug-induced gene expression patterns in bladder tumor cells. *in preparation*. [NSC-91-3112-P-040-001-/DOH91-TD1150]

◆ 研究計畫

計劃年度	補助單位	計劃名稱	計劃時間	補助經費
86	成大醫院	The use of in situ polymerase chain reaction in anatomical pathology	7/1/96-6/30/97	\$140,000
	國科會	The role of Egr-1 in proliferation of murine peritoneal macrophages	8/1/96-7/31/97	\$404,000
	國家衛生研究院	The identification of BFD bladder cancer-related genes(第二子計劃)	10/1/96-6/30/98	\$8,343,000
87	衛生署	Molecular analysis of uninfected health individual in the HIV-1 high risk group and the evaluation of the possible means to block HIV-1	7/1/97-6/30/00	\$2,894,500
	成大醫院	Detection of hepatitic C virus in liver tissue by RT-PCR in situ hybridization	7/1/97-6/30/98	\$160,000
	成大醫院	Loss of heterozygosity in nasal T/NK cell lymphomas	7/1/97-6/30/98	\$140,000
	國科會	The role of interleukin binding factor in regulating human immunodeficiency virus gene expression	8/1/97-7/31/98	\$567,700
88	國科會	Identification of bladder and skin cancer-related genes inpatients with blackfoot disease	8/1/98-7/31/99	\$1,063,400
89	國科會	Identification of bladder cancer-related genes in patients with blackfoot disease	8/1/99-7/31/02	\$3,404,700
	國科會	Genetic, biochemical, molecular, and cellular analyses of CC-chemokine-5 and its nature ligand beta-chemokines	8/1/99-7/31/00	\$710,200
90	中山醫學大學	評估中草藥故有方劑對膀胱癌細胞株生長抑制的效果及運用基因晶片鑑定其參與抑制增生的基因	10/1/01-9/30/02	\$90,000
91	統一食品企業	健康食品之開發—某食品在調節免疫功能之評估	10/15/01-12/31/02	\$1,300,000
	農委會	生物晶片技術應用在豬隻疾病診斷上之研究	1/1/02-12/31/02	\$485,000

	衛生署/國科會	Establishing a molecular model for curing a disease with different administrations of chinese medicine by using cDNA microarray profiling of gene expression patterns	5/1/02-4/30/03	\$1,100,000
92	國科會	The mechanism of innate immunity that suppresses HIV: The neutrophil connection (三年期之第一年)	8/1/03-7/31/04	\$800,000
	中山醫學大學	轉錄因子 Egr-1 在人類單純疱疹病毒感染神經細胞之病理機轉中扮演的角色及其基因表達之調控	10/1/03-9/30/04	\$90,000
	中山醫學大學	評估中草藥故有方劑對膀胱癌細胞株生長抑制的效果及運用基因晶片鑑定其參與抑制增生的基因	10/1/03-9/30/04	\$90,000
	國科會	SARS-CoV proteins induced gene expression patterns: a correlated study to clinical symptoms	11/01/03-10/31/04	\$991,400
93	國科會	The mechanism of innate immunity that suppresses HIV: The neutrophil connection (三年期之第二年)	8/1/04-7/31/05	\$906,300
	奇美醫院	Profiling of EBV Expression patterns in Oral Carcinoma with EBV-chip: The role of EBV in oral carcinogenesis	1/1/04-12/31/04	\$400,000
94	國科會	The mechanism of innate immunity that suppresses HIV: The neutrophil connection (三年期之第三年)	8/1/05-7/31/06	\$878,000
95	國科會	Investigation and characterization of cellular genes that confer the infectivity of human neutrotropic viruses enterovirus 71 and human herpes virus 1	8/1/06-7/31/07	\$1,047,000