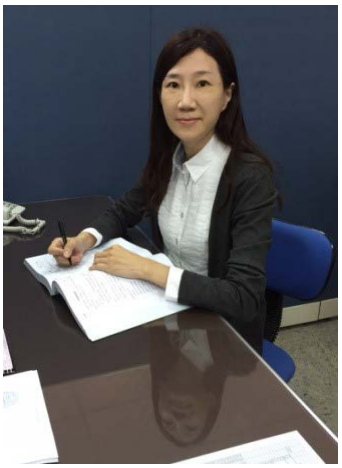
護理學院 院長

謝政蓉 Jeng-Long Hsieh PhD



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學歷

- 成功大學醫學院 基礎醫學研究所 博士
- 紐澤西羅格斯州立大學 微生物與分子基因研究所 碩士
  (Rutgers The State University of New Jersey)
- 高雄醫學大學 醫事技術系 學士

專長

微生物學、免疫學、基因治療、腫瘤生物學、細胞生物學

現職及與專長相關之經歷

服務機關	服務部門 / 系所	職稱	起訖年月
現職			
中華醫事科技大學	護理學院	院長	自 2018 / 08 至今
中華醫事科技大學	護理系	教授	自 2018 / 08 至今
經歷			
中華醫事科技大學	醫學與生命學院	院長	自 2016 / 08 至 2018 / 07 自 2014 / 08 至 2015 / 03
中華醫事科技大學	醫技系	教授	自 2016 / 07 至 2018 / 07
勝浥國際股份有限公司	研發部	總顧問	自 2015 / 07 至 2018 / 12
中華醫事科技大學	護理系	教授	自 2012 / 05 至 2016 / 07
中華醫事科技大學	護理系	副教授	自 2007 / 03 至 2012 / 04
中華醫事學院	護理系	副教授	自 2004 / 05 至 2007 / 02
中華醫事學院	護理系	講師	自 1996 / 02 至 2004 / 04
紐澤西羅格斯州立大學	生物系	教學助教	自 1994 / 09 至 1995 / 06
中央研究院	分子醫學研究所	研究助理	自 1992 / 08 至 1993 / 06

Curriculum Vitae

一、期刊論文

1. Andrew Ke-Ming Lu , Shi-Yen Tsai , Ching-Yi Lin , **Jeng-Long Hsieh** . (2024) Discriminating factors of body composition characteristics for academic performance in nursing college students: a cross-sectional study. *BMC Nurs* 3;23(1):305. doi: 10.1186/s12912-024-01969-y.

2. Shih-Yao Chen 1, Ting-Chien Tsai , Yuan-Tsung Li , Yun-Chiao Ding , Chung-Teng Wang , **Jeng-Long Hsieh** , Chao-Liang Wu, Po-Ting Wu, Ai-Li Shiau .(2022)Interleukin-23 Mediates Osteoclastogenesis in Collagen-Induced Arthritis by Modulating MicroRNA-223. *International Journal of Molecular Sciences* 26;23(17):9718. doi: 10.3390/ijms23179718.

3. Shih-Yao Chen, * **Jeng-Long Hsieh**, * Po-Ting Wu, * Ai-Li Shiau, Chao-Liang Wu. (2022) MicroRNA-133 suppresses cell viability and migration of rheumatoid arthritis fibroblast-like synoviocytes by down-regulation of MET, EGFR, and FSCN1 expression. *Molecular and Cellular Biochemistry* doi: 10.1007/s11010-022-04457-6.

4. Shen PC, Cheng PC, **Hsieh, JL***. (2021) Snail regulation in fibroblast-like synoviocytes by a histone deacetylase or glycogen synthase kinase inhibitor affects cell proliferation and gene expression. *PLoS One* 16(9):e0257839.doi: 10.1371/journal.pone.0257839.

5. Wen-Shuo Kuo, Chia-TseWeng, Chen JH, Wu CL, Shiau AL, **Jeng-Long Hsieh**, So EC, Wu PT, Chen SY. (2020) Amelioration of Experimentally Induced Arthritis by Reducing Reactive Oxygen Species Production through the Intra-Articular Injection of Water-Soluble Fullerenol. *Nanomaterials* (Basel). 27;10(3). pii: E417. doi: 10.3390/nano10030417.

6. Wu PT, Su WR, Li CL, **Jeng-Long Hsieh**, Ma CH, Wu CL, Kuo LC, Jou IM, Chen SY. (2019) Inhibition of CD44 induces apoptosis, inflammation, and matrix metalloproteinase expression in tendinopathy. *The Journal Biological Chemistry.* 294(52):20177-20184. doi: 10.1074/jbc.RA119.009675.

7. Po-Chuan Shen, Po-Chun Chang, I-Ming Jou, Chung-Hwan Chen, Fang-Hsin Lee, **Jeng-Long Hsieh**. Hand tendinopathy risk factors in Taiwan: a population-based cohort study. Medicine 2019, 98(1): e13795. doi: 10.1097/MD.0000000000013795.

8. Shih-Yao Chen, I-Ming Jou, Chao-Liang Wu, Po-Ting Wu, Ai-Li Shiau, Hao-Earn Chong, Yu-Ting Lo, Po-Chuan Shen, and **Jeng-Long Hsieh**. (2018) Estrogen and Mechanical Loading-dependent Regulation of Estrogen Receptor-β and Apoptosis in Tendinopathy. *PLoS One* 13(10): e0204603.

9. **Jeng-Long Hsieh**, Po-Chuan Shen, I-Ming Jou , Chao-Liang Wu , Ai-Li Shiau , Chrong-Reen Wang , Hao-Earn Chong , Su-Han Chuang and Shih-Yao Chen(2017). Knockdown of toll-like receptor 4 signaling pathways ameliorate bone graft rejection in a mouse model of allograft transplantation. Scientific Reports 7:46050. doi: 10.1038/srep46050.

10. Fang-Hsin Lee, Po-Chuan Shen, I-Ming Jou, Chung-Yi Li, **Jeng-Long Hsieh***. (2015) A Population-Based 16-Year Study on the Risk Factors of Surgical Site Infection in Patients after Bone Grafting: A Cross-Sectional Study in Taiwan. *Medicine*, 94(47): e2034. **(SCI, IF=5.7, R/C=15/154, Medicine, General & Internal)**

11. Po-Chuan Shen, Ping-Hui Wang, Po-Ting Wu, Kuo-Chen,Wu, , I-Ming Jou, **Jeng-Long Hsieh***. (2015) The Estrogen Receptor-β Expression in De Quervain's Disease. *International Journal of Molecular Sciences*. 4;16(11):26452-26462. **(SCI, IF=3.26, R/C=51/163, Chemistry, Multidisciplinary)**

12. **Jeng-Long Hsieh**, Chia-Sing Lu, Chia-Yi Lin, Hsiu-Wen Tsai, Bing-Hua Su, Gia-Shing Shieh, Yu-Chu Su, Che-Hsin Lee, Meng-Ya Chang, Chao-Liang Wu and Ai-Li Shiau. (2014) Potent antitumor activity of Oct4 and hypoxia dual-regulated oncolytic adenovirus against bladder cancer. *Gene Therapy*. 22: 305–315. **(SCI, IF=3.24, R/C=44/161, Biotechnology & Applied Microbiology)**
13. Chiang-Liang Lin, Wei-Fan Chiang, Chao-Ling Tung, **Jeng-Long Hsieh,** Hsiao Jenn-Ren, Huang Wen-Tsung, Li-Yia Feng, Chi-Hua Chang, Shyun-Yeu Liu, Chao-Jung Tsao, and Yin-Hsun Feng. (2014) Sprouty2 protein is downregulated in human squamous cell carcinoma of the head and neck and suppresses cell proliferation *in vitro Molecular Medicine Reports*, 11(1): 547-554 **(SCI, IF=1.56, R/C=85/124, Medicine, Research & Experimental)**
14. CH Lee, ST Lin, JJ Liu, WW Chang, **Jeng-Long Hsieh,** WK Wang. (2014) Salmonella induce autophagy in melanoma by the downregulation of AKT/mTOR pathway. *Gene Therapy*, 21(3): 309-16. **(SCI, IF=3.24, R/C=44/161, Biotechnology & Applied Microbiology)**
15. Wei-Kuang Wang, Song-Tao Lin, Wen-Wei Chang, Li-Wen Liu, Tom Yu-Tung Li, Chun-Yu Kuo, **Jeng-Long Hsieh**, Che-Hsin Lee. (2014) Hinokitiol induces autophagy in murine breast and colorectal cancer cells. *Environmental toxicology,* 31(1): 77-84 **(SCI, IF=2.87, R/C=8/80, Water Resources)**
16. Ai-Li Shiau Yu-Ting Shen, **Jeng-Long Hsieh**, Chao-Liang Wu and Che-Hsin Lee. (2014) Scutellaria barbata inhibits angiogenesis through downregulation of HIF-1 α in lung tumor. *Environmental toxicology*, 29(4): 363-70. **(SCI, IF=2.41, R/C=8/80, Water Resources)**
17. Po-Chuan Shen, Chia-Sing Lu, Ai-Li Shiau, Che-Hsin Lee, I-Ming Jou, **Jeng-Long Hsieh***. (2013) Lentiviral small hairpin RNA knockdown of macrophage inflammatory protein-1γ ameliorates experimentally induced osteoarthritis in mice. *Human Gene Therapy*, 24(10): 871-82. **(SCI, IF=4.06, R/C=28/161, Biotechnology & Applied Microbiology)**
18. **Jeng-Long Hsieh**, Ai-Li Shiau, Che-Hsin Lee, Yang SJ, Bih-O Lee, I-Ming Jou, Chiao-Liang Wu, Chen SH, Po-Chuan Shen. (2013) CD8+ T Cell-Induced Expression of Tissue Inhibitor of Metalloproteinses-1 Exacerbated Osteoarthritis*. International Journal of Molecular Sciences*, 14(10): 19951-19970. **(SCI, IF=3.26, R/C=51/163, Chemistry & Multidisciplinary)**
19. Che-Hsin Lee, Yu-Hsin Lin, **Jeng-Long Hsieh**, Man-Chin Chen and Wan-Lin Kuo. (2013) A polymer coating applied to Salmonella prevents the binding of Salmonella-specific antibodies. *International Journal of Cancer* 132(3): 717-25. **(SCI, IF=5.53, R/C=29/213, Oncology)**
20. **Jeng-Long Hsieh**, Chia-Sing Lu, Chin-Ling Hwang, Gia-Shing Shieh, Bing-Hua Su, Yu-Chu Su, Che-Hsin Lee, Meng-Ya Chang, Chao-Liang Wu and Ai-Li Shiau. (2012) Acquisition of an enhanced aggressive phenotype in human lung cancer cells selected by suboptimal doses of cisplatin following cell deattachment and reattachment. *Cancer Letters* 321(1): 36-44. **(SCI, IF=5.99, R/C=23/213, Oncology)**
21. Che-Hsin Lee, **Jeng-Long Hsieh**, Chao-Liang Wu, Hui-Chun Hsu, Ai-Li Shiau.(2011) B cells are required for tumor-targeting *Salmonella* in host. *Applied Microbiology and Biotechnology* 92(6): 1251-60. **(SCI, IF=3.38, R/C=41/161, Biotechnology & Applied Microbiology)**
22. Po-Chuan Shen, Chao-Liang Wu, I-Ming Jou, Che-Hsin Lee, Hsin-Yi Juan, Pei-Ju Lee, Shun-Hua Chen, **Jeng-Long Hsieh*.** (2011) T helper cells promote disease progression of osteoarthritis by inducing macrophage inflammatory protein-1. *Osteoarthritis and cartilage* 19(6): 728-736 **(SCI, IF=4.54, R/C=2/74, Orthopedics)**
23. Che-Hsin Lee, **Jeng-Long Hsieh**, Chao-Liang Wu, Pei-Yu Hsu, Ai-Li Shiau. (2011) T cell augments the antitumor activity of tumor-targeting Salmonella. *Applied Microbiology and Biotechnology* 90(4): 1381-8 **(SCI, IF=3.38, R/C=41/161, Biotechnology & Applied Microbiology)**
24. Po-Chuan Shen, Ai-Li Shiau, I-Ming Jou, Che-Hsin Lee, Ming-Hong Tai, Hsin-Yi Juan, Pey-Ru Lin, Guei-Sheung Liu, Chao-Liang Wu and **Jeng-Long Hsieh***. (2011) Inhibition of cartilage damage by pro-opiomelanocortin prohormone overexpression in a rat model of osteoarthritis. *Experimental Biology and Medicine* 236(3): 334-340. **(SCI, IF=2.54, R/C=57/124, Medicine, Research & Experimental)**

25. **Jeng-Long Hsieh,** Po-Chuan Shen, Ai-Li Shiau, I-Ming Jou, Che-Hsin Lee, Chrong-Reen Wang, Min-Li Teo, Chao-Liang Wu. (2010) Intraarticular Gene Transfer of Thrombospondin-1 Suppresses the Disease Progression of Experimental Osteoarthritis. *Journal of Orthopaedic Research* 28(10): **1300-1306. (SCI, IF=2.81, R/C=9/74, Orthopedics)**

26. Ai-Li Shiau, Min-Li Teo, Shin-Yao Chen, Chrong-Reen Wang, **Jeng-Long Hsieh**, Meng-Ya Chang, Chih-Jui Chang, Julie Chao, Lee Chao, Chao-Liang Wu, Che-Hsin Lee. (2010) Inhibition of experimental lung metastasis by systemic lentiviral delivery of kallistatin. *BMC Cancer* 10: 245-253. **(SCI, IF=3.27, R/C=85/213, Oncology)**

27. **Jeng-Long Hsieh**, Che-Hsin Lee, Min-Li Teo, Yih-Jyh Lin, Yen-Sung Huang, Chao-Liang Wu and Ai-Li Shiau. (2009) Transthyretin Driven Oncolytic Adenovirus Suppressed Tumor Growth in Orthotopic and Ascites Models of Hepatocellular Carcinoma. *Cancer Science* 100(3): 537-545. **(SCI, IF=3.89, R/C=62/213, Oncology)**

28. **Jeng-Long Hsieh,** Po-Chuan Shen, Ai-Li Shiau, I-Ming Jou, Che-Hsin Lee, Min-Li Teo, Chrong-Reen Wang, Julie Chao, Lee Chao, and Chao-Liang Wu. (2009) Adenovirus-Mediated Kallistatin Gene Transfer Ameliorates Disease Progression in a Rat Model of Osteoarthritis Induced by Anterior Cruciate Ligament Transection. *Human Gene Therapy* 20(2): 147-158**. (SCI, IF=4.06, R/C=28/161, Biotechnology & Applied Microbiology)**

29. K-F Hsu, C-L Wu, S-C Huang, **Jeng-Long Hsieh**, Y-S Huang, Y-F Chen, M-R Shen, W-J Chung, C-Y Chou and A-L Shiau. (2008) Conditionally replicating E1B-deleted adenovirus driven by the squamous cell carcinoma antigen 2 promoter for uterine cervical cancer therapy. *Cancer Gene Therapy* 15: 526-34. **(SCI, IF=2.53, R/C=59/161, Biotechnology & Applied Microbiology)**

30. **Jeng-Long Hsieh,** Chao-Liang Wu, Lia Ming-Derg, Ching-Shan Tsai, Che-Hsin Lee, and Ai-Li Shiau. (2003) Gene therapy for bladder cancer using E1B-55 kd-deleted adenovirus in combination with adenoviral vector encoding plasminogen kringles 1-5. *British Journal of Cancer* (88): 1492-1499. **(SCI, IF=5.57, R/C=28/213, Oncology)**

31. **Jeng-Long Hsieh,** Chao-Liang Wu, Che-Hsin Lee, and Ai-Li Shiau. (2003) Hepatitis B X protein sensitizes hepatocellular carcinoma cells to cytolysis induced byE1B-deleted adenovirus through the disruption of p53 function. *Clinical Cancer Research* (9): 338-345. **(SCI, IF=8.74, R/C=12/213, Oncology)**

二、專書及專書論文

謝政蓉、尤封凌等著，2004 年初版，2009 年二版，實用微生物學實驗，實驗 4-實驗 6 (環境微生物、細菌抹片的製作、革蘭氏染色法) 華格納出版社 ISBN 986-7905-43-1

三、研討會論文

1. **謝政蓉** (2022/09/24) Exploring the association between students' mental health and learning outcomes by analyzing the autonomic nervous system function. 中華醫事科技大學 2022 國際學術研討會智慧健康照護之應用趨勢

2. **謝政蓉** (2022/09/24) 智慧科技跨領域課程學習成效評估。中華醫事科技大學 2022 國際學術研討會智慧健康照護之應用趨勢

3. **謝政蓉** (2022/09/24) 從生理資訊大數據分析學生健康狀態與學習成效的關係。中華醫事科技大學 2022 國際學術研討會智慧健康照護之應用趨勢

4. **謝政蓉** (2019/12/04) 從生理資訊大數據分析學生營養狀態與學習成效的關係。崑山科技大學民生電子研討會

5. **謝政蓉** (2019/12/03) 推動智慧科技跨領域課程學生學習成效評估。崑山科技大學民生電子研討會

6. **謝政蓉** (2021/11/26) 探討學生心理健康狀態與學習成效之關係。中華醫事科技大學校務研究研討會暨成果發表會

7. **謝政蓉** (2021/09/27) 高齡照顧與社會實踐的未來。成功大學 USR 相伴 2026 SIG 議題交流系列活動

8. **謝政蓉** (2020/12/29) 推動智慧跨域課程學習成效評估。中華醫事科技大學校務研究研討會暨成果發表會

9. **謝政蓉** (2019/09/04) 物聯式健康照護教育訓練。中華醫事科技大學高教深耕分項 A 子計畫強化學習品保機制研討會

10. **謝政蓉** (2019/11/27) 從生理資訊大數據分析學生營養狀態與學習成效的關係。中華醫事科技大學校務研究研討會暨成果發表會

11. **謝政蓉** (2019/09/16)南臺灣暨日本醫事類學校論壇─銀髮照護，城鄉永續銀髮樂活國際論壇

12. **Jeng-Long Hsieh**, Po-Chuan Shen, Hao-Earn Chong, Ke-Ming Lu, Shin Yao Chen (2019/08/22-2019/08/23)Regulation of estrogen signaling n rheumatoid arthritis, Tokyo, Japan

13. **Jeng-Long Hsieh,** Po-Chuan Shen, Shin Yao Chen, (2018/07/01-2018/07/06) The expression and potential roles of Estrogen Receptor-beta in musculoskeletal diseases. The 18th World Congress of Basic and Clinical Pharmacology Kyoto, Japan.

14. **謝政蓉** (2017/12/14) 儀器設備更新與教學品質改善之關聯性分析。中華醫事科技大學校務研究研討會暨成果發表會

15. **Jeng-Long Hsieh,** Po-Chuan Shen, Hao-Earn Chong, Shin Yao Chen, (2017/08/18-19) The effect of estrogen receptor-β and tensile stress on tendinopathy. Orlando, USA. The ISER international Conference on Science, Health and Medicine.

16. **Jeng-Long Hsieh,** Po-Chuan Shen, Shin Yao Chen, (2016/07/28-2016/07/30) Knockdown of toll like receptor 4 signaling pathway ameliorates bone graft rejection in a mouse model of allograft transplantation. Tokyo, Japan.

17. **Jeng-Long Hsieh,** Po-Chuan Shen, I-Ming Jou, (2015/08/24-27) Targeting of Estrogen Receptor-β Expression has a therapeutic implication for the treatment of De Quervain's Disease. International conference and exhibition of molecular medicine and diagnostics, London, United Kingdom.

18. **Jeng-Long Hsieh** (2013/10/25-28) A new Oct3/4-activated oncolytic adenovirus mediated by hypoxia exerts enhanced antitumor activity in bladder cancers. The 21th Annual Congress of the European society of gene and cell therapy. Versailles, Madrid.

19. **Jeng-Long Hsieh** (2012/10/25-29) Lentiviral shRNA knock-down of Macrophage inflammatory protein-1γ ameliorates experimentally induced osteoarthritis in mice. The 20th Annual Congress of the European society of gene and cell therapy. Versailles, France.

20. **Jeng-Long Hsieh** (2011/10/27-30) Inhibition of cartilage damage by pro-opiomelanocortin prohormone overexpression in a rat model of osteoarthritis. The 19th Annual Congress of the European society of gene and cell therapy. Brighton, United Kingdom.

21.**謝政蓉** (2011/07/03) 退化性關節炎只是單純的退化嗎?-有關其發炎機制的探討與基因治療的二、三事。中華醫事科技大學護理系-國際研討會

22.**Jeng-Long Hsieh** (2009/11/20-25) Intraarticular gene transfer of thrombospodin-1 suppresses disease progression of experimental osteoarthritis. The 17th Annual Congress of the European society of gene and cell therapy. Hannover, Germany.

23.**Jeng-Long Hsieh** (2008/11/13-16) Adenovirus-mediated kallistatin gene transfer ameliorates disease progression in a rat model of osteoarthritis induced by anterior cruciate ligament transaction The 16th Annual Congress of the European society of gene and cell therapy. Brugge, Belgium.

24.**Jeng-Long Hsieh** (2007/10/28-31) Selective targeting of hepatocellular carcinoma with an oncolytic adenovirus regulated transthyretin promoter in orthotopic and ascites tumor models. The 15th Annual Congress of the European society of gene and cell therapy. Rotterdam, Netherlands.

25.**謝政蓉**（2007/6/8）利用癌溶性腺病毒於肝原位癌與腹水的基因治療
中華醫事科技大學護理系-研究發展研習營

26. **Jeng-Long Hsieh** (2006/8/24-26) Tumor targeting of an oncolytic adenovirus regulated by transthyretin promoter on malignant ascites associated with hepatocellular carcinoma. The 12th Annual Meeting of the Japan Society of gene therapy. Tokyo, Japan.

四、研究計畫

科技部計畫

1. 利用高通量篩選類風溼性關節內之治療型微核醣核酸(科技部研究計畫主持人, 110/02/01-111/07/31)
2. 雌激素受體-β於肌腱病變疾病的角色探討與基因治療(科技部三年期研究計畫主持人, 105/08/01-108/07/31)
3. 儀器設備更新與教學品質改善之關聯性分析(教育部大學校務研究計畫主持人, 106/01/01-106/12/31)
4. 研究類鐸受體所媒介的 myeloid differentiation primary response gene 88 依賴性與獨立性訊息傳導路徑在骨移植中扮演的角色(科技部三年期研究計畫主持人 102/08/01-105/07/31)
5. 探討淋巴細胞調控退化性關節炎生成之機轉 (國科會研究計畫主持人, 101/08/01-102/07/31)
6. 退化性關節炎的基因治療與抗發炎因子作用機制的探討(國科會三年期科技部研究計畫主持人, 98/08/01-102/01/31)
7. 探討類鐸受體四號對於腫瘤生長之影響(國科會二年期科技部研究計畫共同主持人, 99/01/01-100/07/31)
8. 以腺病毒攜帶抗發炎和抗血管新生因子作退化性關節炎的基因治療(國科會研究計畫主持人, 97/08/01-98/07/31)
9. 以癌溶性病毒作肝原位癌的基因治療(國科會二年期科技部研究計畫主持人, 95/08/01-97/07/31)
10. 利用肝特異性 E1B 缺失腺病毒作肝腫瘤基因治療 (國科會研究計畫主持人, 94/08/01-95/07/31)

教育部計畫

1. 109-111 年大學社會責任計畫南關線智慧健康幸福扎根計畫計畫主持人
2. 108 年大學社會責任計畫南關線健康幸福扎根計畫計畫主持人
3. 106 年大學社會責任計畫醫護專業營造智樂健康社區共同主持人

產學合作計畫

1. 不同分子量玻尿酸對於介白素-1 □ 誘導軟骨細胞發炎老化之影響(寬崎科技有限公司計畫主持人, 113/12/01-114/11/30)
2. 發展自我監測健康狀態的手機應用程式:設計思維方法和應用程式之建構(台南市立醫院計畫主持人, 113/03/26-114/03/25)
3. 藝術療法對女性乳癌患者焦慮和生理反應的影響研究(台南市立醫院計畫主持人, 113/02/07-114/02/07)
4. 衰弱長者健康識能及健康行為之探討(衛生福利部台南醫院計畫主持人, 112/07/01-113/07/31)
5. 醫護科系學生生理資訊與學習成效相關性分析(郭綜合醫院計畫主持人, 112/05/01-113/04/30)
6. 退化性關節炎中微核醣核酸-133 標的基因之研究-細胞移動誘導蛋白媒介軟骨-肌成纖維細胞去分化過程在軟骨細胞扮演的角色(衛生福利部台南醫院計畫主持人, 111/03/01-112/08/31)
7. 探討第一型和呼吸因子 NRF-1 與粒線體調節對肺炎治療的角色與機轉(台南市立醫院計畫主持人, 109/09/15-110/0914)
8. 連續性生理資訊在健康管理的應用(天鉞智能健康股份有限公司計畫主持人, 109/12/07-111/12/31)
9. 關節與肌腱病變之基因治療(臺南市立安南醫院研究計畫主持人, 107/08/01-108/07/31)
10. 探討雌激素受體-α於肌腱病變疾病的角色(國立成功大學醫學院附設醫院 醫療科技研究計畫共同主持人, 107/01/01-107/12/31)
11. 幹細胞應用於肌肉骨骼關節病變之治療(承洛科技股份有限公司研究計畫主持人, 106/05/01-107/04/30)

12. 探討雌激素接受器β與狄奎凡氏症(橈骨莖突狹窄性腱鞘炎)病理嚴重程度之相關性(國立成功大學醫學院附設醫院 醫療科技研究計畫共同主持人, 104/01/01-105/12/31)
13. 利用慢病毒攜帶 tissue inhibitor of metalloproteinase-1 (TIMP-1)的干擾性 RNA(shRNA)作退化性關節炎的基因治療(衛福部台南醫院產學合作研究計畫主持人, 101/06/10-102/06/09)
14. Sorafenib 合併化學藥物對頭頸部鱗狀上皮癌細胞的療效研究(奇美醫療財團法人奇美醫院產學合作研究計畫主持人, 100/01/01-100/12/31)
15. 類鐸受體四號 TLR4 作為偵測退化性關節炎的炎症指標(明麗骨科診所產學合作研究計畫主持人, 99/11/01-100/04/30)

五、專利

1. Computer Implanted Food Safety Related Management Method (美國 11445738 B2)
2. 利用電腦系統進行食安分析與反饋的方法(新發明第 I635404 號)
3. 擠壓測試裝置(新型第 Z1.201720268558.7 號)
4. 拉伸擠壓測試系統及用於拉伸側試的測試夾具(新型第 Z1.201720314713.4 號)
5. 骨髓內釘裝置與骨髓內釘推拔套件 (新型第 M 514302 號)

六、榮譽與獲獎

1. 111 年科技部補助大專校院獎勵特殊優秀人才獎勵
2. 110 年科技部補助大專校院獎勵特殊優秀人才獎勵
3. 109 年科技部補助大專校院獎勵特殊優秀人才獎勵
4. 108 年科技部補助大專校院獎勵特殊優秀人才獎勵
5. 107 年科技部補助大專校院獎勵特殊優秀人才獎勵
6. 106 年科技部補助大專校院獎勵特殊優秀人才獎勵
7. 105 年科技部補助大專校院獎勵特殊優秀人才獎勵
8. 104 年中華醫事科技大學教學優良教師傑出教學獎
9. 104 年科技部補助大專校院獎勵特殊優秀人才獎勵
10. 103 年國科會補助大專校院獎勵特殊優秀人才獎勵
11. 102 年中華醫事科技大學護理系百合花獎
12. 102 年國科會補助大專校院獎勵特殊優秀人才獎勵
13. 100 年國科會補助大專校院獎勵特殊優秀人才獎勵