

## 楊觀虎



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### 基本資訊：

楊觀虎，男，日本國醫學博士，美國醫學博士後。現任澳門科技大學中醫藥學院教授、博士生導師；兼任俄亥俄大學臨床教授、瑞士中醫藥大學一級教授、博士研究生導師等。

### 教育背景：

- 1985年 浙江中醫學院（現浙江中醫藥大學） 中醫學學士
- 1985—1987年 南京中醫學院（現南京中醫藥大學） 溫病學 碩士
- 1995—1999年 日本金澤醫科大學研究生院 呼吸內科 醫學博士

### 工作與學術經歷：

- 1987—1993年 溫州醫學院附屬第二醫院中醫科 講師
- 1993年起 獲笹川醫學獎學金，由原衛生部派往日本富山醫科藥科大學第一內科，從事糖尿病相關研究；後轉入金澤醫科大學研究生院呼吸內科，完成博士學位
- 1999年起 美國辛辛那提兒童醫療中心(Cincinnati Children's Hospital Medical Center) 博士後，從事呼吸生理學與肺生物學研究
- 2005—2009年 美國俄亥俄州 SHI 針灸學校 校長
- 此後受聘於多所高校與機構擔任客座教授或博士生導師，包括北京中醫藥大學、溫州醫科大學、浙江中醫藥大學、南京中醫藥大學等；曾任溫州醫科大學國際針灸康復研究所外方所長，並在美國、英國等多所中醫藥教育機構承擔博士培養工作

### 學術任職與社會服務：

楊觀虎教授長期活躍於國際中醫藥與針灸學術界，擔任多項重要學術組織職務，包括：

- 美國終病學會 會長
- 美國中藥學會 副會長
- 世界中醫藥學會聯合會（世中聯）監事會執行委員
- 世中聯糖尿病診治標準制定組成員
- 世中聯內科專業委員會 常務理事
- 世中聯消化專業委員會、副會長
- 世中聯內分泌專業委員會、副會長
- 世中聯方藥量效研究會、副會長
- 世中聯態靶辨治專業委員會、副會長

### **臨床資質與實踐：**

持有美國多州中醫針灸執照，包括：俄亥俄州、紐約州、馬里蘭州、維吉尼亞州。長期從事中醫針灸臨床實踐，在內科及婦科疑難病症方面積累了豐富經驗，尤其關注與擅長方向包括：

- 糖尿病及其相關問題
- 纖維肌痛綜合征
- 消化系統疾病
- 不孕不育等生殖健康問題

### **科研方向與學術貢獻：**

楊觀虎教授具備扎實的現代醫學研究訓練與深厚的中醫理論功底，長期致力於中西醫結合與針灸、中藥現代機制研究，重點關注：

- 針灸/中藥在疼痛管理、代謝性疾病、腫瘤免疫、神經退行性疾病等領域的作用機制
- 運用生物資訊學、機器學習、單細胞測序、多組學分析等方法開展機制與轉化研究
- 探索疾病診斷與預後相關生物標誌物，以及針灸在癌症支持治療、術後康復等場景的臨床價值

### **學術論文與著作：**

- 發表學術論文 210 餘篇（以 SCI 論文為主）
- 參與主編、編譯中醫與現代醫學著作 20 部
- 術影響力指標：H-index 29，總被引 2708 次（截至簡歷統計時間）

### **學術成果（近 3 年）：**

1. Luo H, Wu J, Yan Y, Xu D, Zhang J, Zhou X, Yang G\*, Zhong X. Mechanisms and therapeutic strategies to reveal and overcome T-cell dysfunction in gastric cancer: translation from basic research to clinical application. *Front Immunol.* 2025 Sep 30;16:1681539. doi: 10.3389/fimmu.2025.1681539. PMID: 41098737; PMCID: PMC12518355.
2. Wang SY, Li ZM, Zhang MZ, Chen ZM, Liu X, Li YJ, Li PY, Yang GH, Xia YB, Xu TC. Endocrine-related neurological function recovery in pancreatic transplantation[J]. *World Journal of Transplantation*, 2025, 15(4): 106812. <https://doi.org/10.5500/wjt.v15.i4.106812>.
3. Wang SY, Zhang MZ, Chen ZM, Li ZM, Xie CY, Yang GH, Xu B, Xu TC. Intestinal-related substances in obesity regulation: A comprehensive review[J]. *World Journal of Gastrointestinal Pharmacology and Therapeutics*, 2025, 16(4): 111082. <https://doi.org/10.4292/wjgpt.v16.i4.111082>.
4. Zhang S, Wang S, Zhang J, Zhang J, Yang G\*. PICS cognitive paradox: the 19:1 screening mismatch demands dual-track assessment - Letter on Kookken et al. *Intensive Crit Care Nurs.* 2025 Dec;91:104147. doi: 10.1016/j.iccn.2025.104147. Epub 2025 Jul 10. PMID: 40644783.
5. Zhuang Z, Yu Z, Yang G, Xu K, Chi H. Promoting the application of gastric tube tip pressure measurement in neurocritical care - Letter on Chen et al. *Intensive Crit Care Nurs.* 2025 Dec;91:104127. doi: 10.1016/j.iccn.2025.104127. Epub 2025 Jun 21. PMID: 40544724.

6. Wang, Y., Gao, Y., Deng, C., Tang, Y., Liu, Y., Yang, G., Xu, B., Xia, Y., Xu, T. Development and Validation of a Methodology for Establishing Obese Rat Models with Typical Fatty Pancreas. *J. Vis. Exp.* (225), e69553, doi:10.3791/69553 (2025).
7. Jin PK, Zhang JY, Yang GH\*. Clinical Pearl: Treatment of Postural Orthostatic Tachycardia Syndrome with Acupuncture and Chinese Herbs[J]. *Medical Acupuncture*, 2025, 37(5): 412-413. <https://doi.org/10.1177/19336586251383278>
8. Luo H, Wu J, Yan Y, Xu D, Zhang J, Zhou X, Yang G\*, Zhong X. Mechanisms and therapeutic strategies to reveal and overcome T-cell dysfunction in gastric cancer: translation from basic research to clinical application. *Front Immunol.* 2025 Sep 30;16:1681539. doi: 10.3389/fimmu.2025.1681539. PMID: 41098737; PMCID: PMC12518355.
9. Yang GH, Pu T, Tao FX, Quan XM, Cheng K. Yin-yang in modern traditional Chinese medicine: From mechanisms to digital innovation[J]. *Journal of Traditional Chinese Medical Sciences*, 2025, 12(4): 492-498. <https://doi.org/10.1016/j.jtcms.2025.09.005>
10. Huang T, Yuan Z, Liu Y, Gong X, Tang D, Xue C, Feng L, Zhao L, Wang Y, Fan AY, Yang G\*, Wang S. A Preliminary Survey Report on the Use of Acupuncture Methods by Chinese Acupuncturists Worldwide. *Altern Ther Health Med.* 2025 Sep;31(5):14-19. PMID: 40293843.
11. Zhang QH, Liu YJ, Yang G, Zhu MY, Yang JH, Li L, Yan XM, Liu QL, Yue JH, Li XL, Li YM, Xu TC, Jiang F. Efficacy and safety of non-pharmacological therapies for primary insomnia: a network meta-analysis. *Front Neurol.* 2025 Jul 29;16:1607903. doi: 10.3389/fneur.2025.1607903. PMID: 40808922; PMCID: PMC12344310.
12. Yue J, Li X, Huang D, Zhao X, Chen W, Li N, Zhang Q, Zhou X, and Yang G\*. How to Improve Safety in Acupuncture Clinical Practice? *Med Acupunct.* 2025 June 12; DOI: 10.1089/acu.2024.0128.
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14. Chen Z, Zhang S, Jiang C, Jiang L, Chen H, Huang J, Liu J, Yang G, Luo X, Chi H, Fu J. Integrating multi-omics data to identify the role of Aggrephagy-related genes in tumor microenvironment and key tumorigenesis factors of GB from the perspective of single-cell sequencing. *Discov Oncol.* 2025 May 16;16(1):777. doi: 10.1007/s12672-025-02431-4. PMID: 40377747; PMCID: PMC12084465.
15. Zhou X, Sang X, Jiang L, Zhang S, Jiang C, Gu Y, Fu Y, Yang G, Zhang J, Chi H, Wang B, Zhong X. Deciphering the role of acetylation-related gene NAT10 in colon cancer progression and

immune evasion: implications for overcoming drug resistance. *Discov Oncol.* 2025 May 15;16(1):774. doi: 10.1007/s12672-025-02617-w. PMID: 40374962; PMCID: PMC12081795.

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21. Xu T, Yang C, Mao W, Yang G, Xia Y. Smart Education in Acupuncture and Moxibustion: A Perspective from Knowledge Graphs[J/OL]. *Chinese Acupuncture & Moxibustion.*,1-6[2025-04-16].doi:10.13703/j.0255-2930.20250120-0001.

22. Yun L, Yu Z, Wang X, Yuan M, Lu M, Gong M, Li Q, Xia Y, Yang G, Xu B, Litscher G , Xu T. Neurophysiological mechanisms of electroacupuncture in regulating pancreatic function and adipose tissue expansion. *World J Diabetes.* 2025 May 15; 16(5): 101354. doi: 10.4239/wjd.v16.i5.101354.

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Yang G\*. Editorial: Complementary and alternative therapy for pain disorders: from bench to clinical practice. *Front. Neurol.*, 05 December 2024. doi: 10.3389/fneur.2024.1498525.

26. Chi H, Jiang L, Zhou X, Wang L, Yang G, Luo H, Liu X, Xu K, Tian G. Editorial: Immune cell exhaustion: new challenges and opportunities in cancer therapy. *Front. Immunol.*, 02 December 2024. doi: 10.3389/fimmu.2024.1527428.

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34. Yue J, Zhang Q, Zheng GQ, Zhou X, Chi H, Yang HT, Zheng DM, Xu T, Golianu B, Yang G\*. Editorial: Complementary and alternative therapies for sleep disorders: from bench to bedside. *Front Med (Lausanne)*.

2024 Oct 30;11:1510996. doi: 10.3389/fmed.2024.1510996. PMID: 39540042; PMCID: PMC11557458.

35. Jiang L, Zhang S, Jiang C, Chen H, Huang J, Yang J, Chi H, Wu Q, Yang G\*. Integrative biomarker discovery and immune profiling for ulcerative colitis: a multi-methodological approach. *Sci Rep.* 2024 Oct 16;14(1):24290. doi: 10.1038/s41598-024-75797-0. PMID: 39414957; PMCID: PMC11484944.
36. Lu M, Sharmin S, Tao Y, Xia X, Yang G, Cong Y, Yang G, Razavilar N, Aziz R, Jiang J, Xiao Y, Peng L, Xu B. Economic evaluation of acupuncture in treating patients with pain and mental health concerns: the results of the Alberta Complementary Health Integration Project. *Front Public Health.* 2024 Sep 25;12:1362751. doi: 10.3389/fpubh.2024.1362751. PMID: 39386945; PMCID: PMC11461202.
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38. Jiang L, Chi H, Zhou X, Tang J, Zhang J, Zhang Q, Liu S, Shen J, Yang G\*. Editorial: Spotlight on the traditional medicine in prevention and treatment of diabetes in the aging population. *Front Med.* 2024 Sep.; 13:11:1478185. doi: 10.3389/fmed.2024.1478185. PMID: 39346948; PMCID: PMC11427392.
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42. Lu J, Chi H, Yang G, Wu Q. Letter to the Editor for the article 'Comparative dose-response study on the infusion of norepinephrine combined with intravenous ondansetron versus placebo for preventing hypotension during spinal anesthesia for cesarean section: a randomised controlled trial'. *Int J Surg.* 2024 Aug 1;110(8):5288-5289. doi: 10.1097/JS9.0000000000001571. PMID: 38752496; PMCID: PMC11325969.
43. Zhou X, Li B, Yang G\*, Chi H. Letter to the Editor: Comparison of postoperative glomerular

filtration rate between robot-assisted partial nephrectomy (RAPN) and open partial nephrectomy (OPN). *Int J Surg.* 2024 Aug 1;110(8):5252-5253. doi: 10.1097/JS9.0000000000001544. PMID: 38704626; PMCID: PMC11325921.

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擔任多家 SCI 期刊審稿與編輯工作，包括：

- eBioMedicine 等多家 SCI 期刊特約審稿專家
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多次受邀在哈佛中醫講壇等國際知名高校與學術會議作主題演講，積極推動針灸與中醫藥的國際化交流、循證研究與標準化建設。