

# 個人資料簡介

## CURRICULUM VITAE

<b>基本資料 General Information</b>		
姓名 Name	(中 Chi) 趙永華 (英 Eng) Yong Hua Zhao	
現時職級及職務 Current academic rank and job title	澳門大學 中華醫藥研究院 副教授 珠海澳大科技研究院 研究員 澳門轉化醫學創新研究院 代副院長 澳門註冊中醫生	
出生年月 date of birth	1973 年 6 月	
最高學歷 Highest Education Attained	臨床醫學博士 (中醫內科學)	
學位取得年份及頒授學校 Year Attained and Name of University	2004 年 6 月, 廣州中醫藥大學	
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<b>研究方向 Research Fields</b>		
<ol style="list-style-type: none"><li>1. 心腦血管病中藥藥理及臨床數據挖掘</li><li>2. 外泌體/仿生納米材料治療缺血性腦卒中</li><li>3. 神經認知障礙長者腸菌-腦軸研究</li><li>4. 功能性食品干預代謝綜合征</li></ol>		
<b>工作及學術職稱簡歷 Summary of Academic Work and Experiences</b>		
<ol style="list-style-type: none"><li>1. 2025-8 至現在, 澳門大學, 中華醫藥研究院, 副教授</li><li>2. 2021-10 至現在, 澳門大學, 澳門轉化醫學創新研究院, 代副院長</li><li>3. 2020-2 至 2025-7, 珠海澳大科技研究院, 副研究員</li><li>4. 2019-1 至 2025-7, 澳門大學, 中華醫藥研究院, 助理教授</li><li>5. 2019-9 至 2023-12, 科大醫院, 中醫心血管科, 特約中醫生</li><li>6. 2006-3 至 2018-12, 科大醫院, 中醫心血管科, 主治中醫生</li><li>7. 2004-9 至 2006-2, 澳門科技大學中醫診療中心, 主治中醫生</li><li>8. 2004-9 至 2018-12, 澳門科技大學, 中醫藥學院, 講師、助理教授、副教授</li><li>9. 2001-8 至 2004-8, 遼寧中醫藥大學附屬醫院, 內科急症病房, 住院醫師、主治醫師</li></ol>		

## 教學經驗 Teaching Experiences

### 1. 講授科目

中醫學/生物醫學學士學位課程：中藥學（120 學時）、方劑學（90 學時）、中醫內科學（150 學時）、金匱要略（30 學時）

中藥學學士學位課程：中藥學（60 學時）

藥學學士學位課程：中醫藥基礎（中藥學內容，3 學時）

理學士學位（藥物科學及科技）課程：Chinese Medicine（HSCI3009，36 學時）

中醫學碩士學位課程：中醫內科學專題（75 學時）

中西醫結合臨床醫學碩士學位課程：中醫藥研究進展（臨床部份，45 學時）

中藥學碩士學位課程：Pharmacology and Safety Evaluation（CMED7001，9 學時）

醫藥管理碩士學位課程：Standardization and Quality Management of Chinese Medicine（CMED7019，18 學時）；Medical Technology Management（CMED7003，12 學時）

中醫學博士學位課程：中醫臨床研究進展（45 學時）；臨床綜合能力（90 學時）；專題研究（75 學時）；中醫臨床進展（30 學時）；臨床學科進展（30 學時）；中醫專題導讀（45 學時）

中西醫結合博士學位課程：中西醫結合專題導讀（45 學時）

生物醫藥博士學位課程：Quality Research in Chinese Medicine（CMED8005，12 學時）

選修科目：專題項目—中醫學/生物醫學（三）之「中醫學概論及臨床常見病的預防調養」（60 學時）

### 2. 教學獲獎

2010 年榮獲澳門科技大學第二屆“教學傑出獎”；

2017 年榮獲“中珠醫療生命科學獎——優秀醫藥教師獎”（教學類特等獎）；

2023 年榮獲“Outstanding Teaching Award 2020-2022 of the Centre for Continuing Education”。

## 科研經驗 Research Experiences

### 1. 主持或參加科研項目（課題）：

(1) 澳門科技發展基金，科研項目，0041/2025/RIB1，融合機器學習與血栓空間蛋白質組學構建 LVO-AIS 多功能風險評估與血管內治療決策系統及探索分子靶標，2025-07 至 2028-07，174.64 萬澳門元，在研，主持。

(2) 澳門大學，the 2025 State Key Laboratory of Mechanism and Quality of Chinese Medicine (UM) Internal Research Grant (IRG), SKL-QRCM-IRG2025006, *Siegessbeckia orientalis* attenuates r-tPA thrombolytic resistance by targeting platelet-derived HMGB1 against NETs formation in

acute ischemic stroke, 2025-07 至 2025-12, 12 萬澳門元, 在研, **主持**。

- (3) 澳門大學, the 2024 State Key Laboratory of Quality Research in Chinese Medicine (UM) Internal Research Grant (IRG), SKL-QRCM-IRG2024003, The active compounds of *Siegesbeckia orientalis* target HMGB1 to attenuate inflammatory injury resulted from neutrophil extracellular traps in ischemic stroke, 2024-08 至 2024-12, 12 萬澳門元, 結題, **主持**。
- (4) 澳門科技發展基金, 科研項目, 0065/2023/RIB3, 基於多源異構多模數據融合構建阿爾茨海默病早期識別的智能輔助系統, 2024-05 至 2027-06, 173.6 萬澳門元, 在研, **主持**。
- (5) 澳門大學, the 2023 State Key Laboratory of Quality Research in Chinese Medicine (UM) Internal Research Grant (IRG), SKL-QRCM-IRG2023-020, Study on the anti-inflammation effectiveness and mechanism of *Panax notoginseng* saponins for experimental ulcerative colitis treatment, 2023-04 至 2023-12, 11.1 萬澳門元, 結題, **主持**。
- (6) 澳門大學, Multi-Year Research Grant – Collaborative Research Grant (MYRG-CRG), MYRG-CRG2022-00011-ICMS, Cryo-shocked platelets coupled with ROS-responsive nanomedicine for targeted treatment of thromboembolic stroke, 2023-02-09 至 2025-02-08, 120 萬澳門元, (Co-Investigator, 37.5 萬澳門元), 結題。
- (7) 广东省基础与应用基础研究基金自然科学基金项目 (面上项目, 2023A1515010034): 高表达 miR-21-5p 的工程化 BMSC 来源外泌体靶向 PTEN 通路抑制自噬保护急性缺血性脑卒中神经血管单元的研究, 2023 年 01 月 01 日-2025 年 12 月 31 日, 10 万人民币, **主持**。
- (8) 澳門大學, Multi-Year Research Grant - General Research Grant (MYRG-GRG), MYRG2022-00221-ICMS, The treatment of exosomes derived from bone mesenchymal stem cells attenuates BBB permeability by downregulation of Caveolin-1-mediated autophagy in acute ischemic stroke, 2023-01 至 2024-12, 23 萬澳門元, 結題, **主持**。
- (9) 澳門大學, The State Key Laboratory of Quality Research in Chinese Medicine (UM) Internal Research Grant (IRG) 2022, QRCM-IRG2022-029, Annexin V-modified platelet-biomimetic nanomedicine for targeted therapy of acute ischemic stroke, 2022-04 至 2022-12, 12.5 萬澳門元, 結題, **主持**。
- (10) 广东省科学技术厅 (广东省外国专家局) 2021~2022 年广东省国际及港澳台高端人才交流专项: 专题二“海外名师—个人类”, 立项参与 (5 万元人民币)。
- (11) 澳門科技發展基金, 科研項目, 0045/2021/A1, 中藥豨薟提取物減緩缺血性中風炎症損傷發揮神經保護作用與機制研究, 2021-10 至 2024-10, 193.9 萬澳門元, 結題, **主持**。
- (12) 国家自然科学基金, 面上项目, 82174156, “水盐平衡-心肌能量代谢- $\beta$  肾上腺素受体”多途径调控的温补心肾方治疗 HFpEF 的“多成分-多靶点”分子机制, 2022-01 至 2025-12, 55 万人民币, 在研, **第一参与者**。

- (13) 广州白云山星群（药业）股份有限公司资助项目：基于调整肠道微环境解析星群夏桑菊干预代谢综合征的效用与机制，2021-04 至 2024-03，50 万人民币，結題，**主持**。
- (14) 国家自然科学基金，面上项目，82074051，参归三圣散通过调控 VIP/VIPRs 通路减缓缺血性脑卒中延迟 tPA 溶栓所致血脑屏障加重损害的研究，2021-01 至 2024-12，55 万人民币，結題，**主持**。
- (15) 2020 广东省科技创新战略专项资金（粤港澳联合实验室）项目：粤港澳中医药与免疫疾病研究联合实验室（2020B1212030006），2020-12 至 2023 年 12，500 万人民币，（参与，20 万），結題。
- (16) 澳門科技發展基金，科研項目，0106/2019/A2，澳門認知功能障礙長者中醫“體-病-證”辨識與腸道微生物組學和代謝組學特徵性變化的相關性研究，2019-09 至 2022-09，152.6 萬澳門元，結題，**主持**。
- (17) 澳門大學，START-UP RESEARCH GRANT，SRG2019-00164-ICMS，The study of Chinese herbal pairs with activating blood protective efficacy on intestinal barrier by regulation of caveolin pathway in ulcerative colitis，2019-07 至 2022-07，15 萬澳門元，結題，**主持**。
- (18) 澳門科技發展基金，科研項目，0093/2018/A3，高表達 Caveolin-1 的間充質幹細胞來源 Exosomes 負載中藥活性成份調控缺血性中風血腦屏障通透性的研究，2019-01 至 2022-01，190.6 萬澳門元，結題，**主持**（因離職原單位，後更換主持人）。
- (19) 广东省自然科学基金重点项目，2017A030311017，基于 NLRP3 炎症小体信号通路研究人参配伍当归保护缺血性中风神经血管单元的作用与机制，2017-10 至 2020-10，50 万元人民币，結題，參加（排名第二）。
- (20) 澳門科技發展基金，科研項目，106/2014/A3，以星形膠質細胞 VIP 受體為靶點研究參歸三聖散對缺血性中風神經元-膠質細胞代謝耦聯的作用機制，2015-08 至 2018-08，193.52 萬澳門元，結題，**主持**。
- (21) 澳門科技發展基金，科研項目，089/2012/A3，當歸活性成分聯合 BMSCs 調節 MCAo 大鼠缺血損傷區血管生成的實驗研究，2013-08 至 2016-08，200.94 萬澳門元，結題，**主持**。
- (22) 澳門科技發展基金，科研項目，048/2008/A3，阿魏酸鈉引外源性骨髓基質幹細胞修復局灶性腦缺血大鼠神經組織機制的研究，2009-08 至 2012-08，107.56 萬澳門元，結題，**主持**。
- (23) 澳門科技發展基金，科研項目，105/2005/A，頤年降壓飲對早期原發性高血壓患者臨床療效及血管內皮細胞的保護作用研究，2006-08 至 2009-08，45 萬澳門元，結題，**主持**。
- (24) 澳門科技發展基金，科研項目，089/2005/A，補腎壯骨膠囊增加骨密度作用的開發性研究，2006-11 至 2008-11，31 萬澳門元，結題，參加。

## 2. 已發表的文章 (\*代表通訊作者)

- (1) Longhao Ma, Pan Wang, Dawei Wang, Hongxiang Yao, Bo Zhou, **Yonghua Zhao**, Zhengluan Liao, Yan Chen, Xi Zhang, Ying Han, Jie Lu, Kun Zhao, Yihe Zhang\*, Yong Liu\*. Brain topology alteration in Alzheimer's disease brain networks: A multi-center study. *NeuroImage: Clinical*. 2025, 103919 (IF: 3.6)
- (2) Tingting Zhao, Xi Zhang, Qian Xiang, Yadi Liu, Xuling Li, Junling Gu, Wenqian Zhang, Zhe Wang, Yiran Li, Xiaoshan Lai, **Yonghua Zhao**, Youhua Xu\*. Sodium Butyrate Ameliorated Bile Acid Metabolism in Diabetes Mellitus by PI3K/AKT Signaling Pathway via the Gut-Liver Axis. *Current Issues in Molecular Biology*. 2025, 47(9), 732 (IF: 3.0)
- (3) Wenbo Huang, Han Jiang, Guang-Uei Hung, **Yonghua Zhao**, Ruibing Wang & Greta S. P. Mok\*. Development of a population of digital brain phantoms for radionuclide imaging research in Parkinson's disease. *EJNMMI Physics*. 2025, 12(1):74. (IF: 3.2)
- (4) Yi-Ran Li, Xiao-Shan Lai, Hio-Fai Cheong, Ding-Kun Gui, **Yong-Hua Zhao**, You-Hua Xu\*. Advances in biomaterials and regenerative medicine for diabetic foot ulcer therapy. *Ageing Research Reviews*. 2025, 109: 102779. (IF: 12.5)
- (5) Li Zhang, Shilin Gong, Yilang Zuo, Lili Zhang, Jiaqian Chen, Yuqing Xu, Yuyao Wu, **Yonghua Zhao**, Jian-Lin Wu\*, Na Li\*. Soybean fermentation drives the production of native neuroprotective peptides based on a peptidomics strategy. *Current Research in Food Science*. 2025, 10:101082. (IF: 6.2)
- (6) Jiacheng Hu; Yiyang Li; Xingping Quan; Yan Han; Jinfen Chen; Mengchen Yuan; Ying Chen; Manfei Zhou; Enze Yu; Jiahao Zhou; Dawei Wang; Ruibing Wang; **Yonghua Zhao**\*. Shengui Sansheng San Alleviates the Worsening of Blood-Brain Barrier Integrity Resulted from Delayed tPA administration Through VIP/VIPR1 pathway. *Chinese Medicine*, 2025, 20(1):38. (IF: 5.3)
- (7) Yadi Liu, Zhongyan Sun, Dingkun Gui, **Yonghua Zhao**, Youhua Xu\*. RNA Modification in Metabolism. *MedComm*. 2025, 6:e70135. (IF: 10.7)
- (8) Jinfen Chen; XingPing Quan; Yiyang Li; Junming Chen; Jiacheng Hu; Manfei Zhou; Ying Chen; Jiali Chen; Caisheng Wu; Hua Yu; **Yonghua Zhao**\*. Siegesbeckia orientalis ethanol extract impedes RAGE-CD11b interaction driven by HMGB1 to alleviate neutrophil-involved neuronal injury poststroke. *Phytomedicine*. 2025, 139:156541. (IF: 6.7)
- (9) Liu Bowen, Wan Bingjie, Zhao Xinyue, **Zhao Yonghua**, Yu Hua, Jiang Xuhong\*, Zheng Yanrong\*, Xu Yun\*. The Extract of Siegesbeckia orientalis L. Reverses Pro-inflammatory Status of Microglia for Neuroprotection Following Ischemic Stroke in Mice. *Current Neuropharmacology*. 2025, 23(13):1753-1769. (IF: 5.3)
- (10) Junyan Li, Ziyi Wang, Ruifeng Luo, Xingping Quan, Hong U Fong, Qian Cheng, Jianwen Wei, Leo

- Wang, **Yonghua Zhao**, Ruibing Wang\*. Tumor microenvironment triggered in-situ coagulation of supramolecularly engineered platelets for precise tumor embolization. *Advanced Science*. 2025, 12 (26): 2414879. (IF: 14.3)
- (11) Yiyang Li, Xingping Quan, Jiacheng Hu, Yan Han, Jinfen Chen, Manfei Zhou, Fan Zhang, Yayue Yang, Mingchun Liao, Bin Wang, **Yonghua Zhao\***. BMSCs-derived small extracellular vesicles antagonize cerebral endothelial Caveolin-1 driven autophagic degradation of tight-junction proteins to protect blood-brain barrier post-stroke. *International Journal of Biological Sciences* 2025, 21(2): 842-859. (IF: 8.2)
- (12) Xingping Quan, Chang Liu, Jinfen Chen, Yiyang Li, Zhen Yuan, Ying Zheng, Greta S P Mok, Ruibing Wang\*, **Yonghua Zhao\***. Neutrophil-Mimetic Upconversion Photosynthetic Nanosystem Derived from Microalgae for Targeted Treatment of Thromboembolic Stroke. *ACS Nano*. 2024, 18(44): 30307–30320. (IF: 15.8)
- (13) Xiao Liang, Xingping Quan, Xiaorui Geng, Yujing Huang, **Yonghua Zhao**, Lei Xi, Zhen Yuan\*, Ping Wang\*, Bin Liu\*. A promising approach for quantifying focal stroke modeling and assessing stroke progression: optical resolution photoacoustic microscopy photothrombosis. *Neural Regeneration Research*. 2025, 20(7):2029-2037. (IF: 5.9)
- (14) Han Jiang, Yu Du, Zhonglin Lu, Bingjie Wang, **Yonghua Zhao**, Ruibing Wang, Hong Zhang, Greta S P Mok\*. Radiomics incorporating deep features for predicting Parkinson's disease in 123I-Ioflupane SPECT. *EJNMMI Phys*. 2024, 11(1):60. (IF: 3.0)
- (15) Qian Cheng, Xingping Quan, Ruifeng Luo, Zhiqing Yang, Junyan Li, Ziyi Wang, **Yonghua Zhao**, Chunhai Fan, and Ruibing Wang\*. In Situ Colonization of Trojan-Yeast for Targeted Glucose Starvation and Reconstruction of Tumor Immune Environment. *Advanced Functional Materials*, 2024, 34(34): 2316701. (IF:19.0)
- (16) Chang Liu, Xingping Quan, Xidong Tian, **Yonghua Zhao**, Haifeng Li, Judith Choi Wo Mak, Zhenping Wang, Shirui Mao, Ying Zheng\*. Inhaled macrophage apoptotic bodies-engineered microparticle enabling construction of proregenerative microenvironment to fight hypoxic lung injury in mice. *ACS Nano*, 2024, 18(20):13361-13376. (IF: 17.1)
- (17) Jiali Chen, Yiyang Li, Xingping Quan, Jinfen Chen, Yan Han, Li Yang, Manfei Zhou, Greta Seng Peng Mok, Ruibing Wang, **Yonghua Zhao\***. Utilizing engineered extracellular vesicles as delivery vectors in the management of ischemic stroke: a special outlook on mitochondrial delivery. *Neural Regeneration Research*, 2025, 20(8): 2181-2198. (IF: 5.9)
- (18) Li Yang, Yongchao Gao, Hui Wang, Weizhi Zhong, Jupeng Gong, Mohamed A. Farag, **Yonghua Zhao\***, Jianbo Xiao\*. Myricetin attenuates the inflammatory bowel disease in pre-diabetic mice via

- inflammation inhibition and gut microbiota modulation. *Food Safety and Health*, 2024, 2:303–317.
- (19) Changhao He, Yongcheng An, Lu Shi, Yan Huang, Huilin Zhang, Wanxin Fu, Menglu Wang, Ziyi Shan, Yuhang Du, Jiamei Xie, Zhiyun Huang, Weiguang Sun, **Yonghua Zhao\*** and Baosheng Zhao\*. Xiasangju alleviate metabolic syndrome by enhancing noradrenaline biosynthesis and activating brown adipose tissue. *Frontiers in Pharmacology*, 2024, 15:1371929. (IF: 5.6)
- (20) Pei-Yu Liu, Kin-Fong Hong, Ya-Di Liu, Zhong-Yan Sun, Ting-Ting Zhao, Xu-Ling Li, Chi-Chou Lao, Shu-Feng Tan, Hai-Ying Zhang, **Yong-Hua Zhao**, Ying Xie and You-Hua Xu\*. Total flavonoids of *Astragalus* protects glomerular filtration barrier in diabetic kidney disease. *Chinese Medicine*. 2024, 19 (1):27. (IF: 5.3)
- (21) Yiyang Li, Jiali Chen, Xingping Quan, Ying Chen, Yan Han, Jinfen Chen, Li Yang, Youhua Xu, Xu Shen, Ruibing Wang, **Yonghua Zhao\***. Extracellular Vesicles Maintain Blood-Brain Barrier Integrity by the Suppression of Caveolin-1/CD147/VEGFR2/MMP Pathway After Ischemic Stroke. *International Journal of Nanomedicine*. 2024, 19: 1451–1467. (IF: 8.0)
- (22) Hui Mo, Man-Fei Zhou, Edmundo Patricio Lopes Lao, Ka-Kei Chan, On-Na Lai, Man-In Ho, Kin-Wa Wong, Ka-Meng Ho, Kin-Tim Sio, Keng-Lam Fong, **Yong-Hua Zhao\***, Seng-Ip Cheang \*, Iek-Long Lo\*. The effects of Chinese proprietary medicine and vaccination on patients with COVID-19: a retrospective study in Macao. *Chinese Medicine*. 2024, 19(1): 15. (IF: 5.3)
- (23) Yan Han, Xinglin Zeng, Lin Hua, Xingping Quan, Ying Chen, Manfei Zhou, Yaochen Chuang, Yang Li, Shengpeng Wang, Xu Shen, Lai Wei, Zhen Yuan\*, **Yonghua Zhao\***. The fusion of multi-omics profile and multimodal EEG data contributes to the personalized diagnostic strategy for neurocognitive disorders. *Microbiome*. 2024, 12(1):12. (IF: 15.5)
- (24) Zhongyan Sun, Yadi Liu, **Yonghua Zhao**, Youhua Xu\*. Animal models of type 2 diabetes complications: A review. *Endocrine Research*. 2024, 49(1):46-58.(IF:2.1)
- (25) Li Yang, Yongchao Gao, Mohamed A. Farag, Jupeng Gong, Qiaoling Su, Hui Cao, Wei Zhang\*, **Yonghua Zhao\***, Hui Wang\*. Dietary flavonoids and gut microbiota interaction: A focus on animal and human studies to maximize their health benefits. *Food Frontiers*. 2023;1794–1809 (IF: 9.9)
- (26) Li Yang, Yongchao Gao, Jupeng Gong, Liang Peng, Hesham R. El-Seedi, Mohamed A. Farag, **Yonghua Zhao\*** and Jianbo Xiao\*. A multifaceted review of monosodium glutamate effects on human health and its natural remedies. *Food Materials Research*. 2023, 3:16
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### 3. 學術專著

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- (2) 《中葡英中醫藥簡明辭典》，編委，二十一世紀科技研究中心出版
- (3) 《內科臨床常見病中醫研究要覽》，主編，澳門科技大學出版
- (4) 全国高等学校“十三五”医学规划教材《中医学》，高等教育出版社，编委

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#### 4. 指導本科及研究生獲獎

- (1) 指導 PhD 學生李易陽於“2025 國際神經再生研究論壇”獲得 Outstanding poster award 和 Outstanding oral presentation award
- (2) 指導 PhD 學生韓炎獲得 the Second Prize in the Posters Session of the 5<sup>th</sup> WLA Forum (第五屆世界頂尖科學家論壇)
- (3) 指導 PhD 學生全興萍在“Macau Symposium on Biomedical Science 2022”榮獲 Best Poster Award
- (4) 第十屆“深港澳臺博士生南山學術論壇-生命分論壇學術論文競賽”三等獎
- (5) 第十五屆”挑戰杯”全國大學生課外學術科技作品競賽三等獎
- (6) “草晶華杯”中醫藥論文競賽鼓勵獎
- (7) “中醫藥學生論文競賽”優異獎
- (8) 澳門特別行政區首屆研究生科技研發獎
- (9) 第十一屆”挑戰杯”全國大學生課外學術科技作品競賽三等獎
- (10) 第九屆”挑戰杯”全國大學生課外學術科技作品競賽三等獎

#### 臨床工作經驗 Clinical Experiences

2001 年 8 月~2004 年 8 月在遼寧中醫藥大學附屬醫院內科急症病房和廣州中醫藥大學第一附屬醫院內科及 ICU 病房, 參與內科急症搶救及心血管病的診療工作。

2004 年 9 月來澳門后, 擔任澳門科技大學“中醫診療中心”心腦血管病科主治醫生。

2006 年 3 月開始至 2023 年 12 月, 擔任科大醫院中醫心腦血管病科主治中醫生。

#### 專業資格 Licenses

1. 2001 年獲得遼寧省人事廳頒發的初級專業技術職稱證書
2. 2002 年獲得中華人民共和國衛生部頒發中西醫結合執業醫師資格證書
3. 2003 年獲得中華人民共和國衛生部頒發中級專業技術資格證書
4. 2007 年取得澳門特別行政區衛生局發出中醫生執業牌照

#### 學術機構及社會任職 Professional Societies administrator/member

1. 澳門特別行政區醫務委員會委員
2. 國際中醫藥學會秘書長
3. 世界中醫藥學會聯合會綜合醫院專業委員會副會長
4. 廣東省中西醫結合學會心血管病專業委員會常委
5. 世界中醫藥學會聯合會高血壓專業委員會理事
6. 廣東省本科高校中西醫臨床醫學專業教學指導委員會委員
7. 中西醫結合研究會（澳門）學術顧問
8. 澳門高等教育發展促進會會員
9. 澳門科學技術協進會會員
10. 《澳門中醫藥雜誌》副主編
11. The Centre for Continuing Education Executive Committee of University of Macau, Member
12. 澳門新視角學會理事
13. Chinese Medicine (SCI Journal), Deputy Director
14. 《中药药理与临床》期刊編委
15. 《Chinese Journal of Integrative Medicine》期刊編委
16. 廣東省科學技術廳科技評審專家（the Review Expert of the Guangdong Science and Technology Department）
17. 國家自然科學基金（NSFC）面上、青年及地區項目函評專家
18. 全球 2%頂尖科學家（2025）