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教學科目：中醫內科學、中醫外科學

研究方向：中西醫結合臨床、臨床免疫、抗關節炎創新藥物

潘胡丹，現為澳門科技大學中藥質量研究國家重點實驗室助理教授。於2012年、2014年獲得北京中醫藥大學中醫七年制專業（中西醫結合方向）學士及碩士學位。2017年獲得澳門科技大學中西醫結合專業博士學位。擔任世界中醫藥協會中醫藥免疫專業委員會理事，澳門國際風濕病合作聯盟理事，粵港澳大灣區風濕免疫醫師聯盟第一屆成員。主要從事中醫治療風濕病的臨床和基礎研究，在中醫藥免疫領域發表文章20餘篇，總影響因數（IF）逾110；包括Microbiome, Annals of the Rheumatic Diseases, Pharmacology & Therapeutics, Phytomedicine 和 Engineering 等國際著名學術期刊。獲國際專利3項。在國際知名期刊Pharmacological research、Engineering、Phytomedicine 擔任編委/青年編委。

學歷

2014 - 2017 澳門科技大學/中西醫結合/博士學位

2007 - 2014 北京中醫藥大學/中醫七年制專業（中西醫結合方向）/本科、碩士學位

工作履歷

2019-至今 澳門科技大學中藥質量研究國家重點實驗室 助理教授

學術成果

1. **HD Pan**[#], RJ Guo[#], YM Ju[#], Q Wang[#], Jie Zhu, Ying Xie, YF Zheng, T Li, ZQ Liu, LL Lu, F Li, B Tong, L Xiao, X Xu, Elaine LH Leung, RZ Li, HM Yang, J Wang, H Zhou, HJ Jia^{*}, Liang Liu^{*}. A single bacterium restores the microbiome dysbiosis to protect bones from destruction in a rat model of rheumatoid arthritis. *Microbiome*. 2019 Jul 17;7(1):107.
2. **Pan HD**, Yao XJ, Wang WY, Lau HY, Liu L^{*}. Network pharmacological approach for elucidating the mechanisms of traditional Chinese medicine in treating COVID-19 patients. *Pharmacol Res*. 2020 Jun 20;159:105043.
3. XX Fan[#], **HD Pan**[#], Y Li, RJ Guo, Elaine Leung^{*}, L Liu^{*}. Novel therapeutic strategy for cancer and autoimmune conditions: Modulating cell metabolism and redox capacity. *Pharmacol Ther*. 2018 Nov;191:148-161.
4. **HD Pan**[#], Y Xiao[#], WY Wang, RT Ren, Elaine LH Leung^{*}, L Liu^{*}. Traditional Chinese Medicine as a Treatment for Rheumatoid Arthritis: From Empirical Practice to Evidence-based Therapy. *Engineering*. doi: org/10.1016/j.eng.2019.01.018.
5. **Pan H**[#], Guo R[#], Zhu J[#], Wang Q[#], Ju Y, Xie Y, Zheng Y, Wang Z, Li T, Liu Z, Lu L, Li F, Tong B, Xiao L, Xu X, Li R, Yuan Z, Yang H, Wang J, Kristiansen K, Jia H^{*}, Liu L^{*}. A gene catalogue of the Sprague-Dawley rat gut metagenome. *Gigascience*. 2018 May 1;7(5).
6. **Pan, H.**, Li, R., Li, T., Wang, J., Liu, L^{*}. Whether Probiotic Supplementation Benefits Rheumatoid Arthritis Patients: A Systematic Review and Meta-Analysis. *Engineering*, 115-121, doi:10.1016/j.eng.2017.01.006.
7. **HD Pan**[#], YF Zheng, ZQ Liu, ZW Yuan, RT Ren, H Zhou, Y Xie^{*}, L Liu^{*}. Deciphering the pharmacological mechanism of Guan-Jie-Kang in treating rat adjuvant-induced arthritis using omics analysis. *Front Med*. 2019 May 14. doi: 10.1007/s11684-018-0676-2.
8. Zou B, Zhang Y, Li T, Liu J, Deng W, Tan Y, Yang Q, Ding Z, Liao K, Xu J, **Pan H**, Li X^{*}, Liu L^{*}.

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 11. Wong VKW, Qiu C, Xu SW, Law BYK, Zeng W, Wang H, Michelangeli F, Dias IRSR, Qu YQ, Chan TW, Han Y, Zhang N, Mok SWF, Chen X, Yu L, **Pan H**, Hamdoun S, Efferth T, Yu WJ, Zhang W, Li Z, Xie Y, Luo R, Jiang Q, Liu L*. Ca²⁺ signalling plays a role in celestrol-mediated suppression of synovial fibroblasts of rheumatoid arthritis patients and experimental arthritis in rats. *Br J Pharmacol.* 2019 Aug;176(16):2922-2944.
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 13. Li RZ, Fan XX, Duan FG, Jiang ZB, **Pan HD**, Luo LX, Zhou YL, Li Y, YaoXJ, Leung EL*, Liu L*. Proscillaridin A induces apoptosis and suppresses non-small-cell lung cancer tumor growth via calcium-induced DR4 upregulation. *Cell Death Dis.* 2018 Jun 13;9(6):696.

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15. **HD Pan**, XL Qi, L Wang, JY He, JL Liu, YB Zhang, Y Tian, XW Duan, HY Yang, YP Bai*. Whether Fire-needle Therapy Benefits Plaque Psoriasis: A Multicenter, Randomized, and Controlled Trial. *Chin J Integr Med*. 2019 Apr;25(4):259-263.
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17. Li Y#, Leung EL#, **Pan HD**, Yao XJ, Huang QC, Wu M, Xu T, Wang YW, Cai J, Li RZ, Liu W and Liu L*. Identification of Potential Genetic Causal Variants for Rheumatoid Arthritis by Whole-Exome Sequencing. *Oncotarget*. 2017
18. Wang MF#, Li RZ#, Li Y, Cheng XQ, Yang J, Chen W, Fan XX, **Pan HD**, Yao XJ, RT, XQ, Liu L*, Leung EL* & Tang YJ*. *J Thorac Dis*. Clinical statistics analysis on the characteristics of pneumoconiosis of Chinese miner population. 2016, 8(8): 2203-2211.
19. Wang MF, Li RZ, Li Y, Cheng XQ, Yang J, Chen W, Fan XX, **Pan HD**, Yao XJ, Ren T, Qian X, Liu L, Leung EL* , Tang YJ * . Clinical statistics analysis on the characteristics of pneumoconiosis of Chinese miner population. *J Thorac Dis*. 2016 Aug; 8(8):2203-11.
20. Su X, Huang Q, Chen J, Wang M, **Pan H**, Wang R, Zhou H, Zhou Z, Liu J, Yang F, Li T, Liu L*. Calycosin suppresses expression of pro-inflammatory cytokines via the activation of p62/Nrf2-linked heme oxygenase 1 in rheumatoid arthritis synovial fibroblasts. *Pharmacol Res*. vol. 113, Part A, pp. 695 –704, 2016.
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derived from liquorice suppress murine macrophage activation by up-regulating heme oxygenase-1 independent of Nrf2 activation. *Int Immunopharmacol.* 2015 Oct;28(2):917-24.

成果專利

1. Methods of identifying a gene associated with a disease or pathological condition of the disease. Liu L, Leung EL, Yao XJ, Li Y and **Pan HD**.(US Patent No. 15/647,414 filed on 12 July 2017; Australia patent awarded for 8 year-2017100960)
2. An oral liquid probiotic formulation and method of preventing and/or treating arthritis. Liu L; **Pan HD**; Zheng YF and Li RZ. (Australia patent awarded for 8 year- 2017100632)
3. LIU Liang, **PAN Hu-Dan**, WANG Jing-Rong, WANG Can-Jian, LIANG Yong. Method of diagnosing systemic lupus erythematosus. (系统性红斑狼疮诊断方法).AUS 2019101124. 2019/09/27.

獲獎:

1. **Best Paper Award.** The 10th International Forum on Rheumatoid Arthritis (IFRA 2018)
2. **Best TCM Conference Abstract Award.** The 6th Annual Meeting of Specialty Committee on Immunology of Traditional Chinese Medicine of the World Federation of China Immunology Society

學術及社會機構任職

1. Council Member of the Chinese Medicine and Immunology Association, World Federation of China Immunology Society, 2018 - Present (B06218110151)
2. Council Member of the 1th Board of Specialty Committee of Chinese Medicine Healthcare Products of World Federation of China Immunology Society, 2015-Present
3. 粤港澳大湾区风湿免疫医师联盟第一届成员

4. Council member of the First Council for Macau International Collaboration Alliance for Rheumatology Research.