**个 人 简 历**

**个人信息：**

**姓名:** 张 伟 **性别:** 男 **出生年月:** 1978年6月 **现任职务：**澳门科技大学副教授

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**工作及学术职称:**

1996年9月--2000年 6月 中国药科大学药学专业（药物分析方向）攻读学士学位

2003年9月--2008年6月 中国药科大学药物分析专业硕博连读攻读博士学位

2008年8月—2011年7月 美国耶鲁大学医学院从事博士后研究工作

2011年8月—2012年7月 美国耶鲁大学医学院副研究员（Associate Research Scientist）

2011年8月—2012年7月 兼任美国耶鲁大学医学院核心试验室主管（Manager of core lab of Yale Cancer Center, Yale University）

2012年8月—2017/07 澳门科技大学助理教授

2017年8月—至今 澳门科技大学副教授

**学术机构及社会任职:**

世界中医药学会联合会中药免疫专业委员会（常务理事）

澳门化验师公会会员

澳门科学技术协进会会员

广东省药学会生物医药分析专业委员会委员

编委: International Journal of Pharmaceutical Sciences Research,2016- 至今

特约审稿人：Journal of Chromatography B（2012）；Biomedical Chromatography（2014）；Biotechnology Advances（ 2014）；Journal of Separation Science（2016）；Current Pharmaceutical Analysis（2016）；；Phytomedicine（2017）；Analytical Chemistry（2017）；Frontiers in Pharmacology（2016-2018）

**奖项**

2014年度澳門科技大學中銀學術研究優秀獎

**承担主要科研项目**

1. 黄芩汤降低化疗药物毒副反应机制的代谢组学研究, 天然药物活性组分与药效国家重点实验室, RMB 40,000,2012-2014,负责人
2. 黄芩汤中黄酮类成分体内代谢过程的深入研究, 澳门科技大学校内基金, MOP 98,000,2012-2014,负责人
3. 叶下珠联用核苷类药物减毒增效作用机制与药效物质基础研究, 澳门科技发展基金, MOP 1,963,000,2013-2015, 负责人
4. 叶下珠体内代谢及药物动力学基础研究, 广西中药质量标准研究重点实验室, RMB 50,000,2013-2015,负责人
5. 基于内源性核苷酸及脱氧核苷酸组学的补益类中药影响DNA损伤和修复的机制研究, 澳门科技发展基金, MOP 2,820,000,2016-2019, 负责人
6. 纳米多孔功能电极的设计及其CO2能源化，国家自然科学基金委员会-澳门科学技术发展基金联合课题，MOP 1,772,100,2018-2021,负责人
7. 基於Wnt/β-Catenin信號通路的蘆薈整體藥效組分辨識研究, 澳门科技发展基金, MOP 1,112,100,2019-2022, 负责人
8. 靶向調節核苷酸代謝節點增效氟尿嘧啶治療結直腸癌研究, 澳门科技发展基金, MOP 1,434,400,2019-2022, 负责人
9. 融合人工智能和多組學技術開展川貝母等六種中藥的多維度質量控制研究，澳门科技发展基金, MOP 8,000,000,2019-2022, 子课题负责人

**参与的研究项目和工作：**

1. 国家重大科研仪器研制项目,基于光操纵的活体单细胞分析仪, 61827819, ,2019/1-2023/12，776.96万，进行中，参加。
2. 国家自然科学发展基金，81307949，基于脑-肠轴色氨酸代谢通路靶向分析的黄芩汤防治伊立替康胃肠道毒性的作用机制研究，2014/1-2016/12，23万，进行中，参加。
3. 广西中药质量标准研究重点实验室开放研究课题，GXGZZK201404，蓝树莓叶总黄酮对大鼠非酒精性脂肪肝预防作用及机制的研究，5万，进行中，参加。
4. NIH的基金项目Nucleoside analogs as anticancer compounds。（100万美元），（UO1CA63477），已结题。
5. NIH的基金项目Yale comprehensive cancer center。（180万美元），P30CA16359，已结题。
6. NCI的基金项目Chinese Herbal Medicine as a Novel Paradigm for Cancer Chemotherapy。（5P01CA154295-01A1）。
7. PHY906与卡培他滨合用治疗胰腺癌病人的美国二期临床试验，已结题。
8. PHY906与CPT-11合用治疗肠癌病人的美国二期临床试验，已结题。

**获授专利:**

1. Composition for preventing and treating non-alcoholic fatty liver disease，澳大利亚专利创新专利，专利编号：2014100434，第一发明人。
2. Use of karanjin in anti-cancer treatment，澳大利亚专利创新专利，专利编号：2014101242，第一发明人。
3. Method for using artificial neural network to predict effects of nucleoside analogues，澳大利亚专利创新专利，专利编号：2015100975，第一发明人。
4. Method of treating or preventing liver injury induced by acetaminophen，澳大利亚专利创新专利，专利编号：2015101749，第一发明人。
5. Synergistic combination of a Phyllanthus Amarus extract and 5-Fluorouracil for treatment of subject with cancer，澳大利亚专利创新专利，专利编号：2016101447，第一发明人。
6. Treatment of non-small cell lung cancer and pharmaceutical composition for treatment，澳大利亚专利创新专利，专利编号：2018100431，第一发明人。

**代表性著作**

1. X. Wu, Y.L. Chen, Z Xing, C.W.K. Lam, S.S. Pang, **W. Zhang\***, Z.C. Ju\*, Advanced Carbon‐Based Anodes for Potassium‐Ion Batteries, Advanced Energy Materials[, 1900343 (2019)  DOI: 10.1002/aenm.201900343](https://pubs.acs.org/action/showCitFormats?doi=10.1021%2Facs.analchem.8b04281)
2. Z. Li, H.X. Zhang, Y Li, C.W.K. Lam, C.Y. Wang, W.J. Zhang, V.K.W. Wong, S.S Pang, M.C. Yao\*, **W. Zhang\***,Method for Quantification of Ribonucleotides and Deoxyribonucleotides in Human Cells Using (Trimethylsilyl)diazomethane Derivatization Followed by Liquid Chromatography−Tandem Mass Spectrometry,  [Analytical Chemistry., 91(2019)  1019-1026](https://pubs.acs.org/action/showCitFormats?doi=10.1021%2Facs.analchem.8b04281)
3. X Wu, CWK Lam, N Wu, SS Pang, Z Xing, **W Zhang\***, Z Ju\*,Multiple templates fabrication of hierarchical porous carbon for enhanced rate capability in potassium-ion batteries, Materials Today Energy,11(2018) 182-191
4. W. Zhang, J. He, S. Liu, W. Niu, P. Liu, Y. Zhao, F. Pang, W. Xi, M. Chen, **W. Zhang**, S.S. Pang, Y. Ding, Atomic origins of high electrochemical CO2 reduction efficiency on nanoporous gold, Nanoscale, 10 (2018) 8372-8376.
5. M.P. Liu, W. Li, C. Dai, C.W.K. Lam, Z. Li, J.F. Chen, Z.G. Chen, **W. Zhang\***, M.C. Yao\*, Aqueous extract of Sanguisorba officinalis blocks the Wnt/-catenin signaling pathway in colorectal cancer cells, Rsc Advances, 8 (2018) 10197-10206.
6. J.R. Guo, Z. Li, C.Y. Wang, C.W.K. Lam, Q.Q. Chen, W.J. Zhang, V.K.W. Wong, M.C. Yao, **W. Zhang\***, Profiling of ribonucleotides and deoxyribonucleotides pools in response to DNA damage and repair induced by methyl methanesulfonate in cancer and normal cells, Oncotarget, 8 (2017) 101707-101719.
7. C. Dai, M.P. Liu, W.J. Zhang, C.W.K. Lam, J.R. Guo, W. Li, J. Wu, J.F. Chen, Z.G. Chen, **W. Zhang\***, M.C. Yao, A material-basis study of Aloe vera on the wnt/beta-catenin signaling pathway using a knockin/knockout method with high-speed countercurrent chromatography, Rsc Advances, 7 (2017) 38819-38829.
8. J.F. Chen, S.D. Li, M.P. Liu, C.W.K. Lam, Z. Li, X.J. Xu, Z.G. Chen, **W. Zhang\***, M.C. Yao, Bioconcentration and Metabolism of Emodin in Zebrafish Eleutheroembryos, Frontiers in Pharmacology, 8 (2017).
9. J.R. Guo, Q.Q. Chen, C.W.K. Lam, C.Y. Wang, V.K.W. Wong, Z.F. Chang, **W. Zhang\***, Profiling ribonucleotide and deoxyribonucleotide pools perturbed by gemcitabine in human non-small cell lung cancer cells, Scientific Reports, 6 (2016) 9.
10. N. Tsao, M.-H. Lee, **W. Zhang**, Y.-C. Cheng, Z.-F. Chang, The contribution of CMP kinase to the efficiency of DNA repair, Cell Cycle, 14 (2015) 354-363.
11. C. Martin Sanchez, J.M. Perez Martin, J.-S. Jin, A. Davalos, **W. Zhang**, G. de la Pena, J. Martinez-Botas, S. Rodriguez-Acebes, Y. Suarez, M. Jose Hazen, D. Gomez-Coronado, R. Busto, Y.-C. Cheng, M.A. Lasuncion, Disruption of the mevalonate pathway induces dNTP depletion and DNA damage, Biochimica Et Biophysica Acta-Molecular and Cell Biology of Lipids, 1851 (2015) 1240-1253.
12. J. Guo, Q. Chen, C. Wang, H. Qiu, B. Liu, Z.-H. Jiang, **W. Zhang\***, Comparison of two exploratory data analysis methods for classification of Phyllanthus chemical fingerprint: unsupervised vs. supervised pattern recognition technologies, Analytical and Bioanalytical Chemistry, 407 (2015) 1389-1401.
13. J. Guo, Q. Chen, C.W.K. Lam, C. Wang, V.K.W. Wong, F. Xu, Z. Jiang, **W. Zhang\***, Application of artificial neural network to investigate the effects of 5-fluorouracil on ribonucleotides and deoxyribonucleotides in HepG2 cells, Scientific Reports, 5 (2015).
14. H. Fan#, **W. Zhang#**, J. Wang, M. Lv, P. Zhang, Z. Zhang, F. Xu, HPLC-MS/MS method for the determination of four lignans from Phyllanthus urinaria L. in rat plasma and its application, Bioanalysis, 7 (2015) 701-712.
15. **W. Zhang**, J. Guo, B. Xiang, H. Fan, F. Xu, Improving the detection sensitivity of chromatography by stochastic resonance, Analyst, 139 (2014) 2099-2107.
16. **W. Zhang**, J. Guo, H. Qiu, C. Wang, Q.Q. Chen, B. Liu, Quantitation of kudinoside A, kudinoside D and kudinoside F in human plasma using a high performance liquid chromatography-electrospray ionization tandem mass spectrometric method, Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences, 972 (2014) 1-5.
17. **W. Zhang**, S. Tan, E. Paintsil, G.E. Dutschman, E.A. Gullen, E. Chu, Y.-C. Cheng, Analysis of deoxyribonucleotide pools in human cancer cell lines using a liquid chromatography coupled with tandem mass spectrometry technique, Biochemical Pharmacology, 82 (2011) 411-417.
18. **W. Zhang**, G.E. Dutschman, X. Li, Y.-C. Cheng, Quantitation of paclitaxel and its two major metabolites using a liquid chromatography-electrospray ionization tandem mass spectrometry, Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences, 879 (2011) 2018-2022.
19. **W. Zhang**, M.W. Saif, G.E. Dutschman, X. Li, W. Lam, S. Bussom, Z. Jiang, M. Ye, E. Chu, Y.-C. Cheng, Identification of chemicals and their metabolites from PHY906, a Chinese medicine formulation, in the plasma of a patient treated with irinotecan and PHY906 using liquid chromatography/tandem mass spectrometry (LC/MS/MS), Journal of Chromatography A, 1217 (2010) 5785-5793.
20. W. Lam, S. Bussom, F. Guan, Z. Jiang, **W. Zhang**, E.A. Gullen, S.-H. Liu, Y.-C. Cheng, The Four-Herb Chinese Medicine PHY906 Reduces Chemotherapy-Induced Gastrointestinal Toxicity, Science Translational Medicine, 2 (2010).
21. **W. Zhang**, B.-R. Xiang, A Duffing oscillator algorithm to detect the weak chromatographic signal, Analytica Chimica Acta, 585 (2007) 55-59.
22. **W. Zhang**, B.-R. Xiang, A new single-well potential stochastic resonance algorithm to detect the weak signal, Talanta, 70 (2006) 267-271.
23. **W. Zhang**, B.R. Xiang, Y.W. Wu, E.X. Shang, Stochastic resonance is applied to quantitative analysis for weak chromatographic signal of glyburide in plasma, Analytica Chimica Acta, 550 (2005) 77-81.