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研究方向：化學計量學在分析化學中的應用；基於現代分析技術的中藥成分分析及質量控制；核苷酸及脫氧核苷酸代謝與 DNA 修復

簡介：張偉博士， 2008 年獲得中國葯科大學哲學博士學位。2008-2012 于美國耶魯大學藥理係從事博士後研究工作 ,2012 年 8 月受聘于澳門科技大藥物與健康應用研究所任助理教授，2017 年 8 月升職為副教授。張偉博士一直从事中药质量控制及复方药剂研究，将化学计量学理论应用于中药分析過程，形成简单、成熟、可控的中药质量控制模式，具有较强的实用性。博士后研究期间，参与中药复方 PHY906 降低化疗药物胃肠道毒副反应的作用机理研究，发表于 Science TranslationalMedicine, 多家世界知名期刊和机构对此研究成果给予了高度肯定。此外張偉博士還系統研究了 DNA 損傷及修復過程中核糖核酸及去氧核糖核酸的變化，及在癌細胞與正常細胞之歧異性，進而以此為基礎並結合化學計量學手段尋找了新的抗癌分子標記物。以核苷酸及去氧核苷酸的平衡為指標，尋找到具有明顯協同作用的中藥有效成份。张伟副教授近五年来主持了澳门科学技术发展基金重大研究项目、澳门科学技术发展基金-国家基金委联合资助项目等课题，在 SCI 收录刊物上发表近 50 篇学术论文，拥有澳大利亚创新专利 6 项。

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(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

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