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學歷：

台灣大學藥理學研究所博士 1992/09 至 1996/06

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中國醫藥學院藥學系學士 1982/09 至 1987/06

現職：

慈濟大學醫學系藥理學科教授 2009/08

經歷：

中華民國海軍陸戰隊野戰醫勤官兼任排長 1989/11 至 1991/06

國立台灣大學附設醫院藥師 1991/08 至 1992/07

嘉南藥理學院藥學系副教授 1996/08 至 2000/07

慈濟大學醫學系藥理學科副教授 2000/08 至 2009/07

慈濟大學教務處註冊組組長 2002/08 至 2003/07

慈濟大學醫學系基礎醫學組組長 2007/08 至 2010/07

慈濟大學醫學系副主任 2010/08 至 2015/01

慈濟大學醫學系藥理學科主任 2016/08 至 2020/07

慈濟大學醫學系藥理暨毒理學碩、博士班主任 2016/08 至 2020/07

台灣醫學院評鑑委員會(Taiwan Medical Accreditation Council, TMAC)訪視委員
2015、2019

研究領域或專長：

基因藥理學、抗血栓藥物研發、蛇毒蛋白研究

最近研究方向：

新穎凝血因子抑制劑、基因藥理學

研究成果發表 (*通訊作者)

Wong MW, Yi CH, Liu TT, Lei WY, Hung JS, **Liu CZ**, Chen CL*. (2021) Effects of phosphodiesterase-5 inhibitor sildenafil on esophageal secondary peristalsis: studies with high-resolution manometry. *Journal of Gastroenterology and Hepatology* 36: 430-435.

Huang HC, Wu SH, Yu SC, Wu BJ, Lua A, Lee SM, **Liu CZ***. (2018) The alpha-2A adrenergic receptor gene -1291C/G single nucleotide polymorphism is associated with the efficacy of methylphenidate in treating Taiwanese children and adolescents with attention deficit/hyperactivity disorder. *Psychiatry Investigation* 15: 306-312.

Huang HC, Chang Luac A, Wu SH, Wu BJ, Lee SM, **Liu CZ***. (2016) Cigarette smoking has a differential effect on the plasma level of clozapine in Taiwanese schizophrenic patients associated with the CYP1A2 gene -163A/C single nucleotide polymorphism. *Psychiatric Genetics* 26: 172-177.

Chen CT, Chen WJ, **Liu CZ**, Chang LY, Chen YC*. (2009) Glutathione-bound gold nanocluster for selective-binding and detection of glutathione S-transferase-fusion protein from cell lysate. *Chemical Communications* 7515-7517.

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- Liu CZ***, Cheng HJ, Chang LY. (2008) A new feasible method for fibrinogen purification based on the affinity of *Staphylococcus aureus* clumping factor A to fibrinogen. *Protein Expression and Purification* 61: 31-35.
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- Liu CZ***, Wang YC, Wang JH, Shaw CK and Lin GL. (2006) Differential expression of platelet glycoprotein Ia/IIa in Taiwan Chinese corresponds to glycoprotein Ia gene polymorphisms. *Journal of Pharmacological Sciences* 101: 103-106.
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- Liu CZ***, Wu TF, Huang TF, Wu DH and Lin GL (2002) Trimucylin, a collagen-like snake venom protein, activates platelets independent of I-domain within α_2 subunit of $\alpha_2\beta_1$ integrin. *Thrombosis Research* 105: 153-160.
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- Yang CH, **Liu CZ**, Huang TF*, Yang CM, Liu KR, Chen MS and Hung PT. (1997) Inhibition of RPE cell-mediated matrix adhesion and collagen gel contraction by crovidisin, a collagen-binding snake venom protein. *Current Eye Research* 16: 1119-1126.
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