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**教學科目：** 基礎化學及實驗、藥學基礎化學及實驗、實驗診斷學、臨床藥理學

**研究方向：**

周娜博士的主要研究方向為精神障礙疾病、腫瘤的發病機制及治療藥物開發研究，主持澳門科學技術發展基金重點研發計劃子課題 1 項，國家重點研發計劃戰略性科技創新合作重點專項（澳門科學技術發展基金與國家科學技術部聯合科研資助項目）1 項，澳門科學技術發展基金科研及創新資助項目 2 項，澳門科技大學研究基金資助項目 1 項，發表 SCI 論文 20 餘篇。

**學 歷：**

2014.06 吉林大學基礎醫學院生物化學與分子生物學專業博士學位

2008.07 東北師範大學生命科學學院細胞生物學專業碩士學位

2006.07 吉林大學藥學院藥學學士學位

**工作經驗：**

2022.07 ~ 至今 澳門科技大學藥學院助理教授

2020.09 ~ 2022.06 澳門科技大學藥學院講師

2010.11 ~ 2020.09 吉林大學口腔醫院臨床藥師

**社會兼職：** 澳門精准醫學會理事、澳門青年科學家協會理事

近 5 年發表文章:

1. Xinzhi Li, Xiaobing Xu, Wenjie Lai, Ai Jiang, **Zhou Na\***, Ying Yu. Prostanoids in Liver Repair and Regeneration: Biosynthesis, Receptors, and Intercellular Communication. *Cell Mol Gastroenterol Hepatol*. 2026, 20:101645.
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3. Jiayu Zheng, Yu Huang, Shi Zhong, Chi-kuan Lio, Sin Ieng Vong, Hanxuan Wang, **Na Zhou\***, Xin Zhang\*. The WT1 protein molecule drives the proliferation and metastasis of anaplastic thyroid carcinoma through the EMT process. *International Journal of Biological Macromolecules*. 2025,330:148170.
4. Manfang Zhu, Hongkui Chen, **Zhou Na\***, Zhang Xin\*. Intestinal Probiotic Lysate Modified Bifunctional Nanoparticle for Efficient Colon Cancer Immunotherapy. *Pharmaceutics*. 2025, 17(2):139.
5. Yu Huang, Hanxuan Wang, Jiayu Zheng, **Na Zhou\***. Relationship of metabolites and metabolic ratios with schizophrenia: a mendelian randomization study. *Annals of General Psychiatry*. 2024,23:34.
6. Bian X#, **Zhou N#**, Zhao Y#, et al. Identification of proline, 1-pyrroline-5-carboxylate and glutamic acid as biomarkers of depression reflecting brain metabolism using carboxylomics, a new metabolomics method. *Psychiatry Clin Neurosci*. 2023, 77(4): 196-204.
7. Zhang Q, Wang H, Jin Y, **Zhou N**, Sun L, Wu H, Chen H, Jiang T. Incidence and predictors of HBV functional cure in patients with HIV/HBV coinfection: A retrospective cohort study. *Front Cell Infect Microbiol*. 2023,8(13):1130485.

8. Sun X, Xue C, Jin Y, Bian C, **Zhou N**, Sun S. Glucose transporter GLUT1 expression is important for oriental river prawn (*Macrobrachium nipponense*) hemocyte adaptation to hypoxic conditions. *J Biol Chem*. 2023,299(1):102748.
9. Huang Y, Suguro R, Hu W, Zheng J, Liu Y, Guan M, **Zhou N\***, Zhang X\*. Nitric oxide and thyroid carcinoma: A review. *Front Endocrinol (Lausanne)*. 2023,9(13): 1050656.9. Yu Huang, Xin Zhang, **Na Zhou\***. The Interrelation between Interleukin-2 and Schizophrenia. *Brain Sci*. 2022,12(9):1154.
10. Zhao Q, Sun X, Zheng C, Xue C, Jin Y, **Zhou N**, Sun S. The evolutionarily conserved hif-1/bnip3 pathway promotes mitophagy and mitochondrial fission in crustacean testes during hypoxia. *Am J Physiol Regul Integr Comp Physiol*. 2023, 324(1):R128-R142.
11. Zhang X, Ritonja JA, **Zhou N**, et al. Omega-3 Polyunsaturated Fatty Acids Intake and Blood Pressure: A Dose-Response Meta-Analysis of Randomized Controlled Trials. *J Am Heart Assoc*. 2022,11(11):e025071.
12. Fu Y, Ren X, Bai W, Yu Q, Sun Y, Yu Y, **Zhou N\***. Association between C-Maf-inducing protein gene rs2287112 polymorphism and schizophrenia. *PeerJ*. 2021,20(9):e11907.