Junjie Ma | CV — Curriculum Vitae

Department of Clinical Medicine

Bengbu Medical University

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Education

- ➢ 2025-2028 M.S. in Hepatopancreatobiliary Surgery, Central South University
- ➢ 2020-2025 B.S. in Clinical Medicine, Bengbu Medical University

Skills

- ➢ R   Bioinformatics, Machine Learning, Statistical Analysis
- ➢ Python   Machine Learning
- ➢ AI & PS   Research Drawing

Scholarships & Rewards

- ➢ 2023/2024 The Grand Prize Scholarship
- ➢ 2022/2023 The Yuwell Corporate Scholarship
- ➢ 2021/2022 The First Prize Scholarship
- ➢ 2020/2021 The First Prize Scholarship

Competitions

➢ 2024-08	Chinese Collegiate Computing Competition	Third Prize
➢ 2024-03	Population Health "Sharing Cup" Competition	Third Prize
➢ 2023-08	Chinese Collegiate Computing Competition	Second Prize
➢ 2023-08	Chinese Collegiate 5-Minute Research Presentation	First Prize
➢ 2023-08	China Collegiate Statistical Modeling Competition	Third Prize
➢ 2023-08	Anhui College Students Quality Culture Competition	First Prize
➢ 2022-10	China College Students "Internet+" Competition	Third Prize
➢ 2022-07	Challenge Cup National College Student Competition	Third Prize

Fundings

1. Construction, evaluation, and validation of a diabetic nephropathy risk prediction model based on machine learning, **2023**, National Innovation and Entrepreneurship Training Program for College Students. (202310367071)

2. Screening and verification of prognosis-related genes for head and neck squamous cell carcinoma based on bioinformatics, **2022**, National Innovation and Entrepreneurship Training Program for College Students. (**Host**, 202210367002)

3. Construction and validation of key gene screening and risk prediction model for hepatocellular carcinoma based on bioinformatics and artificial intelligence techniques, **2022**, National Innovation and Entrepreneurship Training Program for College Students. (202210367042)

Patents & Software Copyrights

1. A rehabilitation device for limb flap transplantation, **2024**, Utility Model Patent, ZL202420105433.2

2. Diabetes complicated with nephropathy risk prediction platform, **2024**, Software Copyright, 2024SR0725076 (**First Owner**)

Published & Forthcoming Papers

1. Integrated machine learning and deep learning for predicting diabetic nephropathy model construction, validation, and interpretability, *Endocrine*, **2024**, 85 (2): 615-625. (**First Author**)

2. PPP1R14A is associated with immunotherapy resistance in head and neck squamous cell carcinoma identified by single-cell and bulk RNA-sequencing, *Chinese Medical Sciences Journal*, **2024**, 39 (2): 111-121. (**First Author**)

3. Vasculogenic mimicry-associated novel gene signature predicted prognosis and response to immunotherapy in lung adenocarcinoma, *Pathology Research and Practice*, **2024**, 253: 155048.

4. Analysis of correlation between high expression of nucleoporin 85 (NUP85) and immune cell infiltration in hepatocellular carcinoma, *Chinese journal of cellular and molecular immunology*, **2024**, 340 (6): 508-519.

5. Screen of key characteristic genes of nasopharyngeal carcinoma (NPC) base on machine learning and analysis of their correlation with immune cells, *Chinese journal of cellular and molecular immunology*, **2023**, 39 (11): 988-995.

6. Topoisomerase IIα Gene as a Marker for Prognostic Prediction of Hepatocellular Carcinoma: A Bioinformatics Analysis, *Chinese medical sciences journal*, **2022**, 37 (4): 331-339.

7. 肾透明细胞癌中拓扑异构酶IIα 与免疫浸润的关系及相关基因分析, *中国医科大学学报*, **2023**, 52 (10): 871-878. (**First Author**)

8. 爪蟾驱动蛋白样蛋白2靶蛋白在肝细胞癌的表达及临床预后的意义, *解剖学报*, **2023**, 54 (4): 434-444.

9. PLAU 与 MMP1 在头颈鳞状细胞癌中的表达及临床预后意义, *赣南医学院学报*, **2023**, 43 (1): 17-26. (**First Author**)

10. 糖尿病并发冠心病风险预测模型的构建、评价与验证, *牡丹江医学院学报,* **2024**, 45 (3): 47-54.

11. hsa-miR-106b-5p 调控 ESR1 表达对肝细胞癌患者生存预后的意义, *牡丹江医学院学报,* **2022**, 43 (5): 27-34.