Junjie Ma | CV Curriculum Vitae

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Education

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

Skill

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

Scholarship & Reward

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

Competition

- 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

Funding

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)

Patent & Software Copyright

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 Paper

1. Identification of the key gene for hepatocellular carcinoma based on bioinformatics and machine learning and experimental verification, Translational Cancer Research, **2025**, 14 (11): 7995-8011. (**First Author**)
2. Integrated machine learning and deep learning for predicting diabetic nephropathy model construction, validation, and interpretability, Endocrine, **2024**, 85 (2): 615-625. (**First Author**)
3. 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**)
4. Vasculogenic mimicry-associated novel gene signature predicted prognosis and response to immunotherapy in lung adenocarcinoma, Pathology Research and Practice, **2024**, 253: 155048.
5. 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.
6. 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.
7. Topoisomerase IIα Gene as a Marker for Prognostic Prediction of Hepatocellular Carcinoma: A Bioinformatics Analysis, Chinese medical sciences journal, **2022**, 37 (4): 331-339.
8. 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**)

9. 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.
10. 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**)
11. 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.
12. 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.