

Department of Clinical Medicine  
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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. 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 II $\alpha$  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II $\alpha$  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. PLA $\alpha$  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.