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Bengbu Medical University *Website*: <https://junjiema.cn>

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**Education**

* 2025-2028 M.S. in Hepatopancreatobiliary Surgery, [Central South University](https://www.csu.edu.cn/)
* 2020-2025 B.S. in Clinical Medicine, [Bengbu Medical University](https://www.bbmu.edu.cn/)

**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](http://gjcxcy.bjtu.edu.cn/NewLXItemListForStudentDetail.aspx?ItemNo=1094905&year=2023&type=student&IsLXItem=1), ***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](http://gjcxcy.bjtu.edu.cn/NewLXItemListForStudentDetail.aspx?ItemNo=895639&year=2022&type=student&IsLXItem=0), ***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](http://gjcxcy.bjtu.edu.cn/NewLXItemListForStudentDetail.aspx?ItemNo=895638&year=2022&type=student&IsLXItem=1), ***2022***, National Innovation and Entrepreneurship Training Program for College Students. (202210367042)

**Patents & Software Copyrights**

1. [Diabetes complicated with nephropathy risk prediction platform](https://junjiema.shinyapps.io/DN-PRED), ***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](https://doi.org/10.1007/s12020-024-03735-1), ***Endocrine***, 2024, 85 (2): 615-625.
  2. [PPP1R14A is associated with immunotherapy resistance in head and neck squamous cell carcinoma identified by single-cell and bulk RNA-sequencing](https://doi.org/10.24920/004354), ***Chinese Medical Sciences Journal***, 2024, 39 (2): 111-121.
  3. [Vasculogenic mimicry-associated novel gene signature predicted prognosis and response to immunotherapy in lung adenocarcinoma](https://doi.org/10.1016/j.prp.2023.155048), ***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](https://pubmed.ncbi.nlm.nih.gov/38952090), ***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](https://pubmed.ncbi.nlm.nih.gov/37980550), ***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](https://doi.org/10.24920/004006), ***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](https://doi.org/10.12007/j.issn.0258-4646.2023.10.002), ***中国医科大学学报***, 2023, 52 (10): 871-878.
  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](https://doi.org/10.16098/j.issn.0529-1356.2023.04.009), ***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](https://doi.org/10.3969/j.issn.1001-5779.2023.01.004), ***赣南医学院学报***, 2023, 43 (1): 17-26.
  10. [糖尿病并发冠心病风险预测模型的构建、评价与验证](https://doi.org/10.13799/j.cnki.mdjyxyxb.2024.03.015), ***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](https://doi.org/10.13799/j.cnki.mdjyxyxb.2022.05.042), ***牡丹江医学院学报***, 2022, 43 (5): 27-34.