

Jingyi Yang

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EDUCATION

- **Wuhan University**, Wuhan, Hubei, China Sep 2023 – June 2025
Expected
Master of Medicine, GPA: 3.8/4.0
Relevant Courses: Research Methods and Frontier Technology of Bio-Medical Science (A+), Experimental Technology of Medical Molecular Biology - Protein Study (A+)
- **Wuhan University**, Wuhan, Hubei, China Sep 2018 – June 2023
Bachelor of Medicine, GPA: 3.66/4.0
Relevant Courses: Comprehensive Basic Medical Experiment (99/100); Epidemiology (93/100); Evidence-based medicine (93/100); Surgical Experiment (92/100)

RESEARCH EXPERIENCES

- Exploring the Coagulation-related genes in glioblastoma** Jan 2024 - Mar 2025
Location: Wuhan University Lab; Advisor: Prof. Nanxiang Xiong
- Studied coagulation pathways as drivers of glioblastoma progression
 - Conducted scRNA-seq analyses to define CRGs-based subtypes and prognosis, built a risk model and validated key genes (LEFTY2, SERPINC1) through in vitro assays
- Exploring the Mitochondrial-related genes in low-grade glioma** Jun 2023 - Sep 2024
Location: Wuhan University Lab; Advisor: Prof. Nanxiang Xiong
- Investigated mitochondrial dysfunction as a prognostic marker in LGG
 - Developed a 12-MRGs signature using TCGA/CGGA datasets to predict survival and immunotherapy response and validated OCIAD2 experimentally as a regulator of glioma cell proliferation and migration grade glioma

PUBLICATIONS

- [1] **Jingyi Yang***, Lei Shen, Yuankun Cai, et al. "The Role of Coagulation-Related Genes in Glioblastoma: A Comprehensive Analysis of the Tumor Microenvironment, Prognosis, and Treatment". In: *Biochemical Genetics* (Mar. 2025).
- [2] **Jingyi Yang***, Yixuan Zhou, Yuankun Cai, et al. "Medial temporal lobectomy in the treatment of medial temporal lobe epilepsy: a case series of 12 patients". In: *Neurosurgical Review* 48.1 (Feb. 2025), p. 267.
- [3] **Jingyi Yang***, Lei Shen, Jiabin Zhou, et al. "A Novel Mitochondrial-Related Gene Signature for the Prediction of Prognosis and Therapeutic Efficacy in Lower-Grade Glioma". In: *Biochemical Genetics* (Oct. 2024).
- [4] Lei Shen, **Jingyi Yang***, Runqi Cheng, et al. "Bridge-layered decompression technique for vertebral artery-involved hemifacial spasm: technical note". In: *BMC Surgery* 24.1 (May 2024), p. 154.
- [5] Keyu Chen, Lei Shen, **Jingyi Yang***, et al. "A nomogram based on clinical multivariate factors predicts delayed cure after microvascular decompression for hemifacial spasm". In: *Neurosurgical Review* 47.1 (Jan. 2024), p. 44.
- [6] Songshan Chai, Runqi Cheng, **Jingyi Yang***, et al. "The cerebellopontine angle cistern volumetric differences in trigeminal neuralgia patients with and without vertebrobasilar compression: a case-matched study". In: *Neurosurgical Review* (Sept. 2023).

HONORS

- National Scholarship, 2025

RELEVANT TECHNICAL SKILLS

Dry-lab skills: scRNAseq analysis; NGS analysis, epigenomics analysis, Linux, R

Wet-lab skills cell culture, Western-blotting, RNA immunoprecipitation, multiplex immunohistochemical, et.al

Language: Mandarin Chinese (native), English (Advanced)