

Guolu Tang

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https://jerryguolu.github.io

Education

School of Clinical Medicine, Guangzhou Medical University

Guangzhou, China

Master of Clinical Medicine

Sep. 2021 – Jun. 2024 (Expected)

- Supervisor:** Prof. Dehui Chen
- GPA:** 3.3/ 4.0
- Relevant Courses:**
Biological Experiment Safety and Protection (99/100), Medical Information Retrieval and Utilization (86/100), Theory and Techniques in Immunology Experiments (86/100), Scientific Paper Analysis and Discussion (85/100), Cell Biology Techniques (84/100)

School of Clinical Medicine, Jiujiang University

Jiangxi, China

Bachelor of Clinical Medicine

Sep. 2015 – Jun. 2020

- GPA:** 2.7/ 4.0 (Ranking Top 5%)
- Relevant Courses:**
Medical Ethics (91/100), Anatomy and Clinical Case Discussion (90/100), Physiology Experiment (90/100), Open-ended Experiment (89/100), Surgery (81/100), Internal Medicine (79/100)

Research Experience

Postgraduate Student

Guangzhou Medical University

Sep. 2021 – Present

- Leader of Provincial-level Student Science and Technology Innovation Project (Identification of Neutralizing Antibodies)
- Data Analysis: Specialized in Bioinformatics Data
- Experimental Design: Developed and implemented various research methodologies
- Scientific Illustration: Proficient in GraphPad Prism and Adobe Illustrator for data visualization
- Web Development: Proficient in Markdown language for website construction

Research Intern

State Key Laboratory of Respiratory Disease

Mar. 2021 – Aug. 2021

- Participated in paper writing: Contributed to the drafting and editing of scientific manuscripts
- Developed basic biology experiment skills: Gained hands-on experience in various laboratory techniques
- Participated in the Project of the National Natural Science Foundation of China

Publications & Manuscripts

- Tang, G.**, Liu, Z.* & Chen, D*. (2022). Human coronaviruses: Origin, host and receptor. *Journal of Clinical Virology: the Official Publication of the Pan American Society for Clinical Virology*, 155, 105246. (IF=14.5)
<https://doi.org/10.1016/j.jcv.2022.105246>
- Guolu Tang**, Yinghui Peng, Nanwen Shao, Jixian Lan, Zhenwei Liu*, Dehui Chen*. Circular RNA: The Research Direction of future Virus Vaccines? *Cohesive J Microbiol Infect Dis*. 6(2). CJMI. 000633. 2022. (IF=1.033) DOI: 10.31031/CJMI.2022.06.000633

- **Guolu Tang**, Zhenwei Liu, Yinghui Peng, et al. The knob proteins of human adenovirus in species F elicit cross-neutralizing antibody responses. Authorea. July 07, 2023. **(IF=20.7)**
DOI:10.22541/au.168872078.85087299/v1 (Under Review)
- "A Novel, Sensitive, High-Throughput Flow Cytometry-Based Assay for Measuring Neutralizing Antibodies against BKV". (Experiments in Progress)

Selected Honors

- 2023 Lead, Provincial-level Student Science and Technology Innovation Project
- 2022 Lead, University-level Student Science and Technology Innovation Project
- 2022 Team member, Guangzhou Basic and Applied Basic Research Foundation, Guangdong, China

Skills

Language Skills:

- Mandarin (Native)
- English (IELTS: 7.0)

Lab Skills:

- Cell culture techniques
- TCID₅₀ assays
- Micro-neutralization assay
- Protein expression and purification
- Virus purification
- Plasmid transfection
- Sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE)
- Enzyme-linked immunosorbent assay (ELISA)
- Western blotting
- Immunofluorescence assay (IFA)
- Quantitative polymerase chain reaction (qPCR)
- Flow cytometry
- Establishment and handling of animal models
- RNA sequencing and gene expression profiling
- Immunohistochemistry and immunofluorescence techniques for the detection of proteins
- Web Page Building