

## Certificate of Biostatistics

August 21, 2025

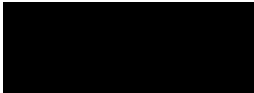
To whom it may concern

Title of study "Hypoxia Facilitates TNBC-CSCs Enrichment and Stemness Maintenance  
through Oxidized ATM-induced One-carbon Metabolism"

Investigator:

This letter is to confirm that I have read the ethics application prepared for this study,  
and that in my opinion the statistical methods and techniques mentioned are appropriate for  
the research.

Please contact me if you have any queries.

Sincerely, Signature: 

Address: Department of Clinical Laboratory, Guizhou Provincial People's Hospital,  
Guiyang, Guizhou, China.

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